February 12, 2010

Mr. Leonardo Ceron
On-Scene Coordinator (OSC)
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, SW, 11th Floor
Atlanta, Georgia 30303

Subject: Final CERCLA Removal Action Letter Report
Goodyear Dump
Berea, Rockcastle County, Kentucky
EPA Contract No. EP-W-05-054
TDD No. TTEMI-05-001-0098

Dear Mr. Ceron:

The Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) is submitting this letter report summarizing the removal action conducted at the Goodyear Dump (Goodyear) site located in Berea, Rockcastle County, Kentucky, from June 22 through August 7, 2009. Activities discussed also include use of in situ X-ray fluorescence (XRF) spectrometry for soil screening, use of DataRAM units to provide particulate air monitoring, and collection of confirmation soil samples. Activities were performed in accordance with the sampling and analysis plan submitted on June 17, 2009.

Appendix A contains two figures that illustrate the site location and layout. Appendix B provides tables that summarize the air monitoring results, the in situ XRF screening results, and the laboratory analytical results for confirmation soil samples. Appendix C contains a photographic log of field activities. Appendix D is a copy of Tetra Tech START's field logbook notes for this project. Appendix E contains copies of the drum inventory logs. Appendix F contains a table of witnesses. Appendix G contains a copy of the laboratory analytical data package obtained from SGS North America Inc. (SGS) and the data validation report prepared by Tetra Tech START.

BACKGROUND

The Goodyear site, which is located at 556 Buffalo Hollow Road, encompasses approximately 13 acres in a residential and undeveloped area of Berea, Rockcastle County, Kentucky. Coordinates of the site (measured from the center of the site) are latitude 37° 31' 38" north and longitude 84° 20' 12" west (see Figure 1). The dump is located on a hillside with a small hollow and is bounded on the north, east, south, and west by residential and undeveloped land. The former dump is currently occupied by Mr. Clyde Prichard, Senior (Mr. Prichard), and Mr. Clyde Prichard, Junior. According to Mr. Prichard, the land ownership is divided among his three sons. Clyde Prichard, Junior, owns about 3 acres, while Robert and Tom Prichard collectively own about 10 acres. Mr. Prichard's mobile home is located near the front of the property, and a dirt road allows access to the land. A pond is located on the northwestern side of the property; this pond was historically smaller than its current size. About 3 years ago, Mr. Prichard backfilled and then subsequently reconstructed and enlarged the pond. According to Mr. Prichard, he stocks and fishes the pond, and it is a source of water for his farm animals. Mr. Prichard also grows a garden on the property directly southeast of his residence on the northern side of the access drive. He harvests the garden annually; he did not indicate whether he sells the harvested produce. Mr. Prichard

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burned tires at various locations on the property to reduce the amount of on-site debris, resulting in blackened soil.

The dump was previously owned by Mr. Lee Lanham, who operated the site as a landfill in the 1970s. Mr. Lanham reportedly received sludge waste from Goodyear Aerospace, located in Berea, Kentucky; the sludge waste contained asbestos and metals, including lead. Over a period of about 1 year, Goodyear Aerospace disposed of asbestos- and heavy metals-contaminated sludge into six waste areas at the dump. The sludge contained asbestos, resin, fiberglass, brass chips, copper, sponge iron, tungsten, lead, and carborundum. Approximately one to two 55-gallon drums of sludge, composed of 4 to 6 percent lead and 24 to 28 percent asbestos, were disposed of at the dump per week. Other wastes disposed of at the dump included capacitors, transformers, tires, acetylene tanks, gas tanks, and other solid wastes. According to Mr. Lanham, the dump ceased accepting Goodyear Aerospace waste sludge in August 1977.

During a 1977 inspection, old barrels, drums, and metal shavings were observed throughout the property. Uncovered pits and trenches that contained sludge also were noted. The Kentucky Department of Environmental Protection (KDEP) — formerly the Kentucky Department for Natural Resources and Environmental Protection — and Eastern Kentucky University collected samples from the stream adjacent to the dump. Analytical results for the samples indicated contamination by asbestos and heavy metals.

In April 1978, KDEP notified Mr. Lanham that disposal of hazardous waste sludge that contained asbestos and lead from Goodyear Aerospace was illegal and that the disposal areas must be cleaned up. In September 1978, the KDEP Hazardous Material Management Section (HMMS) inspected the dump. The property had been cleared of barrels and metal shavings observed during the 1977 inspection, and the dump was being used to store junk cars. Also during this investigation, KDEP HMMS noted that two of the six waste areas were undisturbed and covered; however, the remaining four waste areas were exposed. The sludge in the four exposed waste areas had been excavated, along with the surrounding soil. The excavated soil and sludge had been sent to the Clairmont Environmental Reclamation area; further details on the cleanup are not known. Soil samples were collected from the excavated area, and soil and surface water samples were collected from a nearby stream (believed to be Roundstone Creek). Analysis of the samples indicated the presence of trace amounts of copper, lead, and zinc. Asbestos was not detected in the samples collected. However, Goodyear was not satisfied with the analysis of heavy metals. KDEP HMMS noted that continued sampling for analysis of heavy metals may be necessary.

In 1979, KDEP conducted a subsequent inspection of the dump and noted that the former sludge disposal area was satisfactorily covered and cleaned of all surface debris.

In 2005, KDEP Division of Waste Management, Superfund Branch, conducted a site investigation at the dump. During the investigation, KDEP noted a pond, gas tanks, steering wheels, tires, acetylene canisters, rusted drums, ceramic and glass capacitors, and fibrous material scattered throughout the property. A chlorobenzene-like odor emanated from certain areas on the property.

In March 2006, KDEP conducted a site inspection at the dump that included an initial site reconnaissance, field screening for heavy metals using an XRF to better delineate the contamination source, and assessment for the presence of chlorinated contaminants. KDEP noted old appliances, tires, water heaters, electric transmission wire, rusted drums, and other debris in the hollow. The XRF detected lead at concentrations ranging from 8 parts per million (ppm) near rusted drums to 1,649 ppm in a cleared area intended for additional mobile homes. The EPA industrial preliminary remediation goal (PRG) for lead is 800 ppm, and the EPA residential PRG for lead is 400 ppm; thus, both the industrial and residential PRGs were exceeded in the area intended for additional mobile homes. Field screening of composite soil samples collected from several on-site areas identified the presence of chlorinated solvents.

In May 2006, Tetra Tech conducted XRF screening, field hazard characterization, and surface and subsurface soil and sediment sampling as a part of an initial removal assessment (RA) and a preliminary assessment/site inspection (PA/SI). Laboratory results indicated the presence of metals, semivolatile organic compounds (SVOC), pesticides, and polychlorinated biphenyls (PCB) in surface, subsurface, and sediment samples throughout the dump site at concentrations that exceeded residential PRGs. Sample results for on-site surface and subsurface soils also indicated arsenic, lead, and PCBs at concentrations exceeding EPA-established removal action levels (RALs), which were 40 ppm for arsenic, 400 ppm for lead, and 1 ppm for PCBs.

In July 2008, Tetra Tech conducted surface and subsurface soil sampling to further delineate the extent of contamination at the dump site. Laboratory analyses of surface and subsurface soil samples collected from throughout the dump site indicated the presence of lead and PCBs at concentrations that exceeded EPA-established RALs. Analyses of brake pads revealed chrysotile asbestos at concentrations of 10 to 15 percent. These hazardous substances were identified in soils largely at or near the surface, posing potential for exposure to the on-site human population and migration of the contaminants off site.

Under Technical Direction Document (TDD) No. TTEMI-05-001-0098, Tetra Tech START was tasked to assist with removal action activities, including use of XRF spectrometry to pre-screen for lead contamination before soil samples were collected to evaluate the effectiveness of removal activities, the use of DataRAM units to provide particulate air monitoring throughout removal activities, and collection of confirmation soil samples for laboratory analysis.

SITE PREPARATION

On June 22, 2009, EPA, Tetra Tech START, and CMC Inc. (CMC), the Emergency and Rapid Response Services (ERRS) contractor, arrived at the Goodyear site to initiate the removal action. Removal activities included the excavation of soil from 12, 50-foot-square grids and five, 10-foot-square areas based on grab sample locations previously identified as containing lead or PCB concentrations (or both) that exceeded RALs. Figure 2 illustrates the locations of these 50-foot-square grids and 10-foot-square areas. (see Appendix A).

Tetra Tech used a Trimble XP global positioning system (GPS) unit to demarcate the grids to be excavated at the site. Before soil was removed, ERRS personnel used a track-mounted excavator to remove trees, vegetation, and accumulated solid waste associated with past disposal from the grids. Trees and accumulated solid waste removed from the grids were placed into individual piles for the property owner to grind into mulch, recycle, or remove.

EXCAVATION AND SOIL SAMPLING

ERRS began soil removal at the Goodyear site on June 24, 2009. Soil removal from the excavated grids ranged from 6 inches to 3 feet below ground surface based on analytical data, XRF soil screening, and field judgment by On-scene Coordinator (OSC) Leonardo Ceron during removal activities. When excavation was complete in each grid, Tetra Tech collected a five-point composite soil sample from 0 to 6 inches below the excavated ground surface. Each excavated grid that revealed constituents at concentrations that exceeded RALs was excavated an additional 12 inches and then resampled until analytical results indicated concentrations below RALs. GPS coordinates were collected at each sampling location.

Composite soil samples were submitted to SGS in Wilmington, North Carolina for analysis of PCBs using EPA SW-846 Method 8082A or lead using EPA SW-846 Method 6010C, depending on the analyte that

was previously identified to exceed its RAL within each grid. Table 1 (see Appendix B) summarizes the analytical results for samples collected during the removal action, including quality assurance and quality control (QA/QC) samples.

The following list provides a brief summary of excavation activities that were conducted (see Figure 2 of Appendix A):

- Grid D-2: Excavation was completed to a total depth of 12 to 16 inches.
- Grid F-3: Excavation was completed to a total depth of 6 inches.
- Grid F-11: Excavation was completed to a total depth of 6 inches.
- Grid G-7: Excavation was completed to a total depth of 1 foot.
- Grid G-13: Excavation was initially completed to a depth of 1 foot based on the presence of a significant amount of solid waste observed during excavation at grid G-14; XRF field screening of the solid waste indicated the presence of lead at concentrations above the RAL and trees were removed from the grid and excavation was conducted to remove the solid waste and contaminated soil. Laboratory analytical results indicated the presence of PCBs at concentrations above the RAL remaining in the excavation; therefore, OSC Ceron directed ERRS to conduct additional excavation to a total depth of 2 feet.
- Grid G-14: Excavation was initially completed to a depth of 2 feet, but laboratory analytical results indicated the presence of slightly elevated concentrations of PCBs remaining in the excavation; although the concentrations were below the RAL, OSC Ceron directed ERRS to conduct additional excavation to a total depth of 3 feet as a precautionary measure.
- Grid G-15: No excavation was performed at this location based on analytical results for a composite soil sample collected during removal activities that indicated lead and PCBs at concentrations below the RALs.
- Grid H-9: Excavation was completed to a total depth of 6 inches.
- Grid H-12: Excavation was initially completed to a depth of 1 foot; based on its proximity to grid I-11, OSC Ceron directed ERRS to conduct additional excavation to a total depth of 2 feet as a precautionary measure.
- Grid H-13: Excavation was completed to a depth of 2 feet based on analytical results for a composite soil sample collected during removal activities that indicated the presence of lead and PCBs at concentrations above the RALs.
- Grid H-14: Excavation was completed to a depth of 2 feet based on analytical results for a composite soil sample collected during removal activities that indicated the presence of PCBs at concentrations above the RALs.
- Grid I-11: Excavation was initially completed to a depth of 1 foot, but laboratory analytical results indicated the presence of PCBs at concentrations above the RAL remaining in the excavation; therefore, OSC Ceron directed ERRS to conduct additional excavation to a total depth of 2 feet over the entire 50-foot square grid.
- Grid J-11: Excavation was completed to a total depth of 1 foot.
- During the May 2006 PA/SI, Tetra Tech START identified five grab soil sampling locations that indicated the presence of PCBs or lead at concentrations above the RALs. These locations were marked in the field using GPS and ERRS personnel subsequently conducted excavation at each location during removal activities. Soil removal occurred at each location in approximately 10-feet-square sections using the grab sample location as the center of the excavation. Soil was excavated to a total depth of 1 foot from each section.

When excavation was completed, ERRS backfilled each excavation with clean soil. Before the excavations were backfilled, the bottom of each excavation was lined with geo-textile fabric to serve as a

visual indicator to identify the extent of soil removal. Each area was graded level with the surrounding ground surface.

XRF SCREENING

During excavation activities, Tetra Tech START used a Niton XL-700 XRF instrument to screen for lead concentrations to evaluate the effectiveness of the removal. The XRF screening results assisted in determining if additional excavation was necessary within each lead-contaminated grid. When XRF screening results indicated that lead concentrations were below the EPA-established RALs, Tetra Tech START then collected a five-point composite soil sample within the grid from 0 to 6 inches below the excavated ground surface for confirmatory laboratory analysis. XRF screening was not conducted in grid G-14 because OSC Ceron and Tetra Tech START had determined that the depth of removal was believed to be below the area of concern for surface lead contamination. In addition, XRF screening was not conducted in grid H-13 because this grid was added to the removal after the XRF had been removed from the site and returned to the equipment supplier. Table 2 summarizes the XRF screening results (see Appendix B).

AIR MONITORING

Tetra Tech START conducted daily particulate monitoring at the site using DataRAMs. Daily particulate monitoring was conducted for the protection of worker and residential human health. The units were staged along the site boundary and near residential structures at the dump site. Downwind locations were primarily selected for particulate monitoring in an effort to collect activity-based particulate data during on-site activities. However, upwind locations were periodically selected to provide background particulate data. DataRAM particulate monitoring results were tracked daily to ensure that proper personal protective equipment was used by on-site personnel and to identify whether particulate levels were potentially posing a threat to on-site and surrounding residential properties. A particulate emission threshold of 5 milligrams per cubic meter (mg/m^3) or 5,000 micrograms per cubic meter ($\mu g/m^3$) was established for the removal activities based on health and safety concerns. Air monitoring results revealed that this threshold was never exceeded throughout removal activities at the Goodyear site. Table 3 summarizes the daily particulate monitoring results (see Appendix B).

HAZARD CATEGORIZATION TESTING

During removal activities at the Goodyear site, three 55-gallon steel drums were identified by Tetra Tech START and OSC Ceron on the east side of the shop building. OSC Ceron requested that Tetra Tech START collect samples from the drums and conduct hazard categorization testing of the samples. ERRS placed the three drums into polyvinyl overpack containers to prevent a release of the drum contents. The following list provides a summary of the hazard categorization test results:

- Drum 1 was found to be a non-flammable liquid that was soluble in water.
- Drum 2 was found to be an extremely flammable liquid that was soluble in water.
- Drum 3 was found to contain a two-layered liquid that had a water soluble layer that was non-flammable beneath an insoluble layer of lower density material that was combustible.

Drum inventory logs were completed for each drum and are included in Appendix E. ERRS made transportation and disposal arrangements for the drums and on September 9, 2009, they drums were removed from the site by EQ - The Environmental Company, and transported for disposal to Buzzi Unicem USA, Inc. at 3301 S County Road 150 West in Greencastle, Indiana.

TRANSPORTATION AND DISPOSAL

During removal activities, excavated soil was staged on plastic sheeting for subsequent waste profile sampling and removal from the Goodyear site. A total of four stockpiles of soil were generated based on space constraints. ERRS collected composite soil samples from each stockpile for waste characterization. Approximately 3,000 to 4,000 cubic yards of soil were removed from the Goodyear site. A total of 154 truckloads of soil (4,115 tons) were removed from the site for disposal by Red River Ranch Trucking and Rock Trucking. The soil was transported to the Montgomery County Landfill located in Jeffersonville, Kentucky for disposal as nonhazardous waste based on analytical results obtained by ERRS using the toxicity characteristic leaching procedure.

ROAD MAINTENANCE

Because of the large volume of heavy equipment into and out of the site during removal activities, Buffalo Hollow Road was damaged. Areas of the paved road began to crumble and sink because of the weight of the equipment. OSC Ceron coordinated road restoration activities with the Rockcastle County road superintendent and directed ERRS to implement the necessary actions, including repaving Buffalo Hollow Road. OSC Ceron reported to Tetra Tech that the road was repaved from the intersection of Buffalo Hollow Road and Flat Gap Road to the entrance drive of the Goodyear site. OSC Ceron did not request on-site assistance from Tetra Tech START during road restoration activities.

If you have any questions or need additional copies of this report, please contact me at (502) 298-4946, Sherry Weedman at (502) 357-9367, or Brian Croft at (206) 300-0301.

Sincerely,

Todd Curtis
Tetra Tech START III Environmental Scientist

Andrew F. Johnson
Tetra Tech START III Program Manager

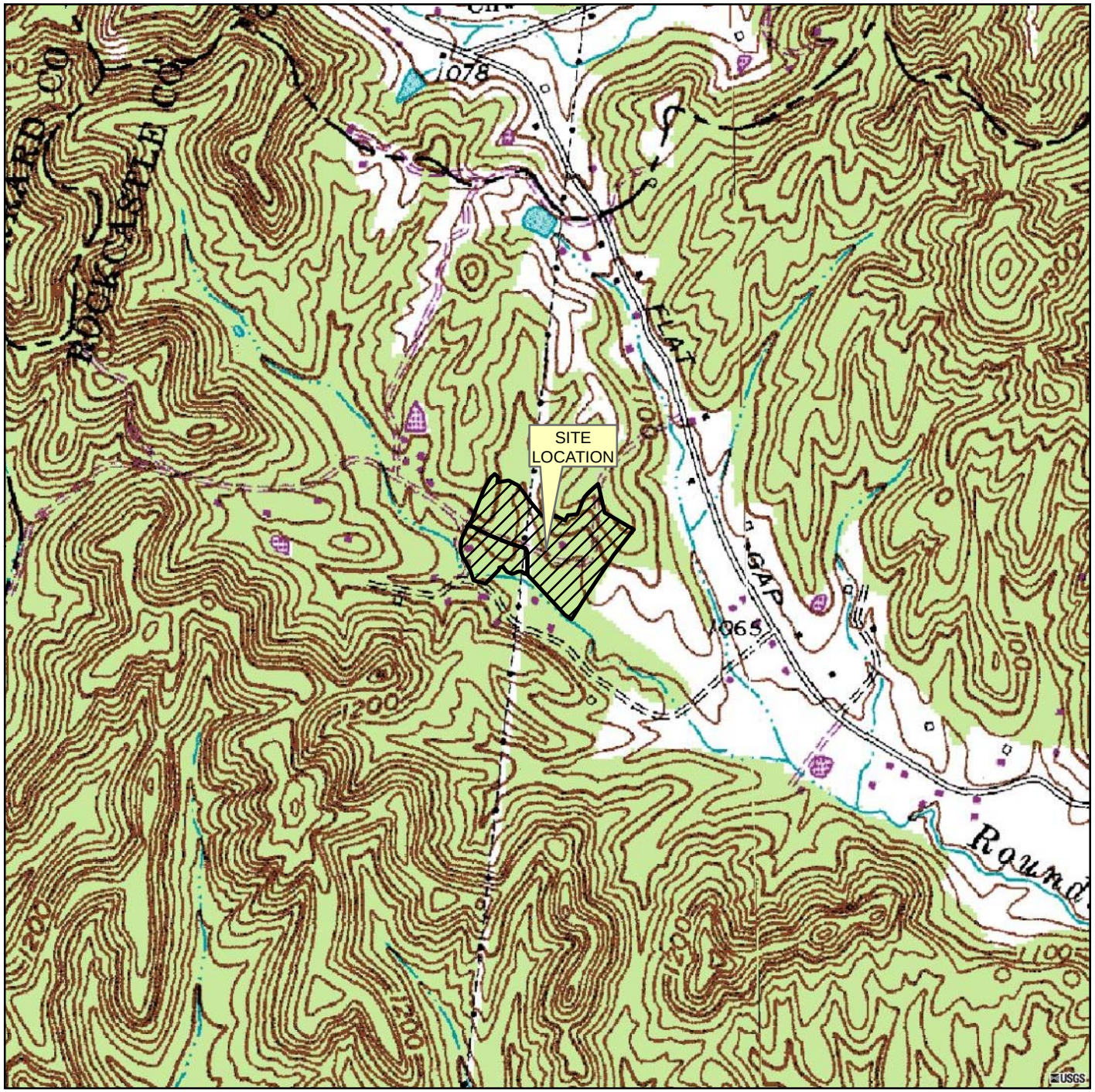
Enclosures (7)

cc: Katrina Jones, EPA Project Officer
Darryl Walker, EPA Alternate Project Officer
Angel Reed, START III Document Control Coordinator

APPENDIX A

FIGURES

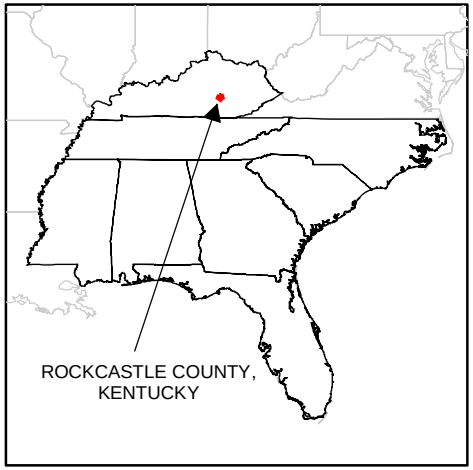
(Two Pages)



0 500 1,000 Feet

1:12,000

MAP SOURCE:
USGS, BEREA, KY
TOPOGRAPHIC QUADRANGLE, 1979



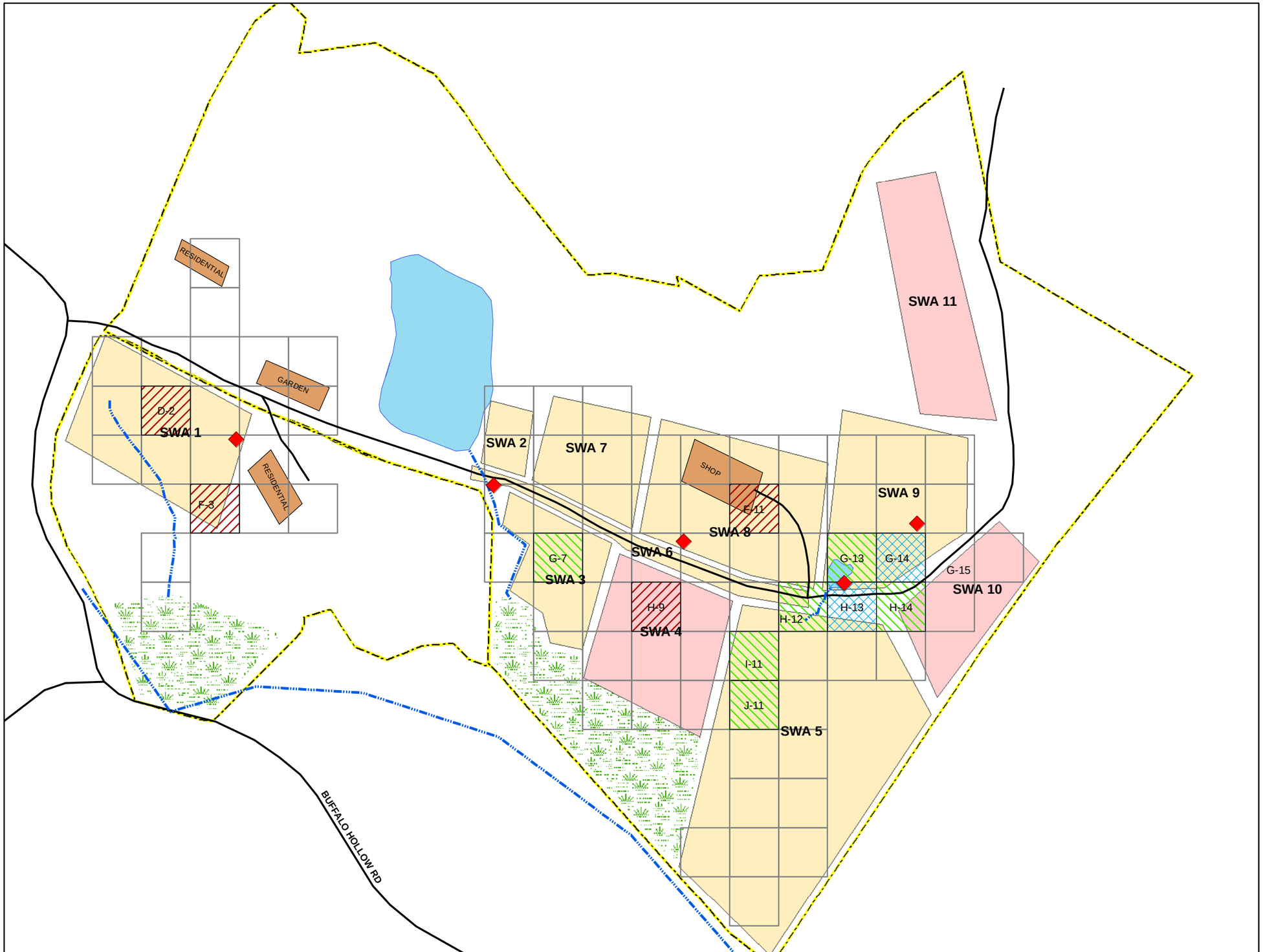
United States Environmental Protection Agency

GOODYEAR DUMP SITE
BEREA,
ROCKCASTLE COUNTY,
KENTUCKY
TDD No: TTEMI-05-001-0098

FIGURE 1
SITE LOCATION

TETRA TECH

2009-06-11 \GIS_Workspace\TTEMI-05-001-0098_Goodyear_Dump\Figures\GIS\MXDs\Site Location Maps\R IV START SITE LOC MAP 6-11-09.mxd TTEMI-KY dale.vonbusch



LEGEND

- Drainage Feature
- Access Drive
- Site Structure
- Pond
- Tetra Tech, 2006 Composite Sampling Area
- Tetra Tech, 2006 Grab Sampling Area
- Approximate Property Line
- Swampy Area
- July, 2008 Sampling Grid
- 10 Square Feet Excavated Area

50 Square Feet Excavated Areas

- Exceed RALs for Pb
- Exceed RALs for PCB
- Exceed RALs for Pb and PCB

Notes:

Pb - Lead
PCB - Polychlorinated biphenyl
RAL - Removal Action Level

0 50 100 Feet
1:1,200

United States Environmental Protection Agency

GOODYEAR DUMP SITE
BEREA,
ROCKCASTLE COUNTY,
KENTUCKY
TDD No: TTEMI-05-001-0098

FIGURE 2
SITE LAYOUT
WITH EXCAVATION
LOCATIONS

TETRA TECH

2009-11-23 \GIS_Workspace\TTEMI-05-001-0098_Goodyear_Dump\Figures\GIS\MXD\42009 Sampling Maps\GYD_2009_GRID_LOCS_EXCEED_RALS_HOT_SPOTS 11-23-09.mxd TTEMI KY dale.vonbusch

APPENDIX B

TABLES

(Five Pages)

TABLE 1
GOODYEAR DUMP
COMPARISON OF VALIDATED LABORATORY ANALYTICAL RESULTS TO SCREENING CRITERIA

Sample Designation	EPA Regional RALs[a]	GYD-CS-001 (Grid D-2)	GYD-CS-02 (Grid F-3)	GYD-CS-03 (Grid F-11)	GYD-CS-04 (Grid G-7)
Polychlorinated Biphenyls (µg/kg)		GYD-CS-001			
Aroclor-1260	NL	NA	NA	NA	71.9
Total Aroclors	1,000	NA	NA	NA	71.9
Metals (mg/kg)					
Lead	400	35.1	118	10.9	NA

Sample Designation	EPA Regional RALs[a]	GYD-CS-05 (Grid G-14)	GYD-CS-05-DUP (Grid G-14)	GYD-CS-05-R1 (Grid G-14)	GYD-CS-06 (Grid H-9)
Polychlorinated Biphenyls (µg/kg)					
Aroclor-1248	NL	225	366	34.0 U	NA
Total Aroclors	1,000	225	366	ND	NA
Metals (mg/kg)					
Lead	400	11.1	11.7	4.02	336

Sample Designation	EPA Regional RALs[a]	GYD-CS-07 (Grid H-12)	GYD-CS-08 (Grid I-11)	GYD-CS-08-R1 (Grid I-11)	GYD-CS-09 (Grid J-11)
Polychlorinated Biphenyls (µg/kg)					
Aroclor-1248	NL	37.4 U	848	35.7 U	113
Aroclor-1254	NL	37.4 U	858	35.7 U	69.5
Aroclor-1260	NL	37.4 U	77.5 U	14.0 J	37.3 U
Total Aroclors	1,000	ND	**1,706**	14.0 J	182.5
Metals (mg/kg)					
Lead	400	NA	NA	NA	NA

Sample Designation	EPA Regional RALs[a]	GYD-CS-10 (Grid G-13)	GYD-CS-11 (Grid H-14)	GYD-CS-12 (Grid H-13)	GYD-CS-13 (Grid G-15)
Polychlorinated Biphenyls (µg/kg)					
Aroclor-1248	NL	1,270	6,480	21,600	365
Total Aroclors	1,000	86.8 U	**6,480**	**21,600**	365
Metals (mg/kg)					
Lead	400	**1,270**	87.4	**415**	116

Sample Designation	EPA Regional RALs[a]	GYD-CS-14 (Grid G-13)	GYD-CS-15 (Grid H-13)	GYD-CS-16 (Grid H-14)
Polychlorinated Biphenyls (µg/kg)				
Aroclor-1248	NL	69.1	64.1	34.3 U
Aroclor-1260	NL	30.0 J	37.1 U	34.3 U
Total Aroclors	1,000	99.1 J	64.1	ND
Metals (mg/kg)				
Lead	400	37.0	10.2	7.21

Notes:

BOLD	The reported value exceeded the EPA Regional RAL
[a]	The RALs are those that were in effect during the initial removal investigation in July 2008
EPA	Environmental Protection Agency
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
NA	Not applicable
ND	Not detected
NL	Not listed
RAL	Removal Action Level
U	The analyte was analyzed for, but was not detected at or above the associated value

TABLE 2
GOODYEAR DUMP
IN SITU X-RAY FLUORESCENCE SCREENING RESULTS

XRF Screening Location	Reading Number	Lead Screening Result	Margin of Error	Units
Grid D-2 (after initial 6 inch excavation)	1	30.4	± 16	mg/kg
	2	1970	± 170	mg/kg
	3	1300	± 170	mg/kg
	4	12900	± 840	mg/kg
	5	528	± 110	mg/kg
	6	236	± 69.6	mg/kg
	7	1298	± 210	mg/kg
	8	468	± 93.1	mg/kg
	9	174	± 77.6	mg/kg
	10	258	± 79.3	mg/kg
	11	9250	± 710	mg/kg
	12	602	± 160	mg/kg
Grid D-2 (after 12-inch excavation)	13	704	± 130	mg/kg
	14	<65	± 55.95	mg/kg
	15	<65	± 59.55	mg/kg
	16	144	± 58.2	mg/kg
	17	<55	± 54.9	mg/kg
	18	178	± 100	mg/kg
	19	<30	± 27.9	mg/kg
	20	77.2	± 46.1	mg/kg
	21	<57	± 53.85	mg/kg
	22	<63	± 62.85	mg/kg
	23	122	± 67.1	mg/kg
	24	<45	± 45.3	mg/kg
	25	262	± 98.5	mg/kg
	26	475	± 100	mg/kg
	27	74.7	± 48	mg/kg
	28	<51	± 49.05	mg/kg
Grid D-2 (after additional 4-inch excavation in the northwest and southeast corners)	29	65.8	± 42.9	mg/kg
	30	62.4	± 39.7	mg/kg

Notes: ± Plus or minus (margin of error reported by instrument)
mg/kg Milligram per kilogram
XRF X-ray fluorescence

TABLE 2 (cont.)
GOODYEAR DUMP REMOVAL
IN SITU X-RAY FLUORESCENCE RESULTS

XRF Screening Location	Reading Number	Lead Screening Result	Error	Units
Grid F-11 (after total 6-inch excavation)	31	30	± 20	mg/kg
	32	<25	± 23.25	mg/kg
	33	29.1	± 17.5	mg/kg
	34	<26	± 25.95	mg/kg
	35	151	± 83.5	mg/kg
	36	103	± 50.8	mg/kg
Grid H-9 (after total 6-inch excavation)	37	279	± 81.9	mg/kg
	38	34.8	± 22.7	mg/kg
	39	192.6	± 77.7	mg/kg
	40	<36	± 32.85	mg/kg
	41	69.6	± 35.7	mg/kg
Grid F-3 (after total 6-inch excavation)	42	53	± 52.8	mg/kg
	43	73	± 77.7	mg/kg
	44	56	± 55.65	mg/kg
	45	55	±55.5	mg/kg
	46	71	±70.95	mg/kg
	47	172	±99.5	mg/kg
	48	70	±70.2	mg/kg
	49	92.6	± 53	mg/kg
Grid G-13 (prior to excavation)	50	152	± 58.2	mg/kg
	51	54.6	± 35.9	mg/kg
	52	110	± 54.2	mg/kg
	53	121	± 66.8	mg/kg
	54	206	± 92	mg/kg
	55	65.5	± 38.9	mg/kg
	56	403	± 110	mg/kg
	57	217	± 79.8	mg/kg
	58	209	± 75.6	mg/kg
	59	<56	± 56.4	mg/kg
	60	180	± 69	mg/kg
	61	105	± 54	mg/kg
	62	<149	± 45.9	mg/kg

Notes: ± Plus or minus (margin of error reported by instrument)
mg/kg Milligrams per kilogram
XRF X-ray fluorescence

TABLE 3
GOODYEAR DUMP REMOVAL
PARTICULATE MONITORING RESULTS

Date	DataRAM Particulate Monitor Location	Min.	Max.	Avg.	Units
06/23/09	Mr. Prichard Sr. Residence, upwind	0.1	0.3	NA	µg/m³
06/23/09	Mr. Prichard Jr. Residence, along site driveway	NA	1247.209	73.509	µg/m³
06/23/09	South of Mr. Prichard Jr. Garden, downwind	NA	21.603	9.700	µg/m³
06/24/09	Mr. Prichard Sr. Residence, upwind	NA	12.410	10.147	µg/m³
06/24/09	Mr. Prichard Jr. Residence, along site driveway	NA	29.105	21.122	µg/m³
06/24/09	South of Mr. Prichard Jr. Garden, downwind	NA	31.435	15.141	µg/m³
06/24/09	South of Grid J-11, downwind	NA	15.576	12.041	µg/m³
06/25/09	Mr. Prichard Jr. Residence, along site driveway	NA	29.658	18.794	µg/m³
06/26/09	No Site Work Due To Rain	NA	NA	NA	µg/m³
06/27/09	No Site Work Due To Rain	NA	NA	NA	µg/m³
06/28/09	No Site Work	NA	NA	NA	µg/m³
06/29/09	Mr. Prichard Sr. Residence, upwind	NA	65.782	6.476	µg/m³
06/29/09	Mr. Prichard Jr. Residence, along site driveway	NA	21.046	5.036	µg/m³
06/29/09	South of Mr. Prichard Jr. Garden, downwind	NA	13.685	5.096	µg/m³
06/29/09	South of Grid J-11, downwind	0.100	0.100	NA	µg/m³
06/30/09	Mr. Prichard Sr. Residence, upwind	NA	12.039	2.646	µg/m³
06/30/09	Mr. Prichard Jr. Residence, along site driveway	NA	26.991	3.664	µg/m³
06/30/09	South of Mr. Prichard Jr. Garden, downwind	NA	17.792	4.797	µg/m³
07/01/09	Mr. Prichard Jr. Residence, along site driveway	NA	14.227	0.254	µg/m³
07/02/09	Partial Work Day – No Air Monitoring	NA	NA	NA	µg/m³
07/03/09	No Site Work	NA	NA	NA	µg/m³
07/04/09	No Site Work	NA	NA	NA	µg/m³
07/05/09	No Site Work	NA	NA	NA	µg/m³
07/06/09	No Site Work	NA	NA	NA	µg/m³
07/07/09	Mr. Prichard Sr. Residence, upwind	1.200	18.500	2.800	µg/m³
07/07/09	South of Grid J-11, downwind	NA	128.221	7.449	µg/m³
07/07/09	Mr. Prichard Jr. Residence, along site driveway	NA	750.735	32.899	µg/m³
07/08/09	Mr. Prichard Jr. Residence, along site driveway	NA	61.174	13.106	µg/m³
07/08/09	Mr. Prichard Sr. Residence, upwind	NA	46.086	13.874	µg/m³
07/08/09	South of Grid J-11, downwind	NA	28.002	11.039	µg/m³
07/09/09	Mr. Prichard Jr. Residence, along site driveway	NA	36.902	15.781	µg/m³
07/09/09	Mr. Prichard Sr. Residence, upwind	NA	61.225	19.135	µg/m³
07/10/09	Mr. Prichard Jr. Residence, along site driveway	NA	69.179	31.083	µg/m³
07/11/09	No Site Work	NA	NA	NA	µg/m³
07/12/09	No Site Work	NA	NA	NA	µg/m³
07/13/09	Mr. Prichard Sr. Residence, upwind	0.100	0.300	NA	µg/m³
07/13/09	Mr. Prichard Jr. Residence, along site driveway	NA	20.069	0.344	µg/m³
07/14/09	Mr. Prichard Sr. Residence, upwind	NA	110.675	0.428	µg/m³
07/14/09	Mr. Prichard Jr. Residence, along site driveway	NA	61.453	0.280	µg/m³
07/15/09	Mr. Prichard Jr. Residence, along site driveway	NA	183.028	18.261	µg/m³
07/16/09	Mr. Prichard Jr. Residence, along site driveway	NA	20.714	9.275	µg/m³
07/16/09	Mr. Prichard Sr. Residence, upwind	NA	52.668	0.299	µg/m³

Notes: Particulate emission threshold of 5 mg/m^3 (5,000 µg/m^3) was established based on health and safety concerns
mg/m³ Milligrams per kilogram
µg/m³ Micrograms per kilogram
NA Not applicable

TABLE 3 (cont.)
GOODYEAR DUMP REMOVAL
PARTICULATE MONITORING RESULTS

Date	DataRAM Particulate Monitor Location	Min.	Max.	Avg.	Units
07/17/09	No Site Work Due To Rain	NA	NA	NA	µg/m³
07/18/09	No Site Work	NA	NA	NA	µg/m³
07/19/09	No Site Work	NA	NA	NA	µg/m³
07/20/09	Mr. Prichard Jr. Residence, along site driveway	NA	40.436	5.028	µg/m³
07/20/09	Mr. Prichard Sr. Residence, upwind	NA	38.349	0.107	µg/m³
07/21/09	Mr. Prichard Jr. Residence, along site driveway	NA	239.847	7.314	µg/m³
07/22/09	No Air Monitoring Due To Rain	NA	NA	NA	µg/m³
07/23/09	No Air Monitoring Due To Rain	NA	NA	NA	µg/m³
07/24/09	No Air Monitoring Due To Rain	NA	NA	NA	µg/m³
07/25/09	No Air Monitoring Due To Rain	NA	NA	NA	µg/m³
07/26/09	No Site Work	NA	NA	NA	µg/m³
07/27/09	South of Grid J-11, downwind	0.100	0.100	NA	µg/m³
07/28/09	Mr. Prichard Jr. Residence, along site driveway	NA	86.506	7.983	µg/m³
07/29/09	No Site Work	NA	NA	NA	µg/m³
07/30/09	No Site Work	NA	NA	NA	µg/m³
07/31/09	No Site Work	NA	NA	NA	µg/m³
08/01/09	No Site Work	NA	NA	NA	µg/m³
08/02/09	No Site Work	NA	NA	NA	µg/m³
08/03/09	No Site Work Due To Rain	NA	NA	NA	µg/m³
08/04/09	No Air Monitoring Due To Rain	NA	NA	NA	µg/m³
08/05/09	No Site Work	NA	NA	NA	µg/m³
08/06/09	No Air Monitoring Due To Rain	NA	NA	NA	µg/m³
08/07/09	Mr. Prichard Jr. Residence, along site driveway	NA	25.994	6.153	µg/m³

Notes: Particulate emission threshold of 5 mg/m^3 (5,000 µg/m^3) was established based on health and safety concerns
mg/m³ Milligrams per kilogram
µg/m³ Micrograms per kilogram
NA Not applicable

APPENDIX C

PHOTOGRAPHIC LOG

(31 Pages)

OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	June 22, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: ERRS personnel assisting with staking excavation grid boundaries.

OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	June 22, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA
Subject:	Excavation grid D-2 after border stakes were placed.		

OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	North	**Date:**	June 22, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Excavation grids J-11 and I-11 after border stakes were placed.

OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	June 23, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: ERRS using track-mounted excavator to remove trees from excavation grids.

OFFICIAL PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	June 23, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: ERRS using skid steer to clear excavation grid H-9 of debris.

OFFICIAL PHOTOGRAPH NO. 6
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	South	**Date:**	June 23, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Solid waste debris removed from excavation grids and staged in piles.

OFFICIAL PHOTOGRAPH NO. 7
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southeast	**Date:**	June 23, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Automotive fuel tanks removed from excavation grids and staged in piles.

OFFICIAL PHOTOGRAPH NO. 8
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	South	**Date:**	June 23, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Excavation grids I-11 and J-11 after tree and brush removal.

OFFICIAL PHOTOGRAPH NO. 9
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	South	**Date:**	June 23, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: DataRAM particulate monitor placed to the south of grid J-11.

OFFICIAL PHOTOGRAPH NO. 10
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	June 24, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Soil stockpile number 1 staged on plastic sheeting.

OFFICIAL PHOTOGRAPH NO. 11
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	June 24, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: ERRS using a track-mounted excavator to remove soil from grid D-2.

OFFICIAL PHOTOGRAPH NO. 12
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	June 24, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA
Subject:	Soil stockpile number 1 staged for waste profile sampling.		

OFFICIAL PHOTOGRAPH NO. 13
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	June 24, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Grid D-2 after initial excavation with orange pin flags marking in situ X-ray fluorescence (XRF) screening locations.

OFFICIAL PHOTOGRAPH NO. 14
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Northwest	**Date:**	June 25, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Soil being removed from excavation and placed in off-road truck.

OFFICIAL PHOTOGRAPH NO. 15
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	June 25, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Soil stockpile number 1 covered with plastic sheeting.

OFFICIAL PHOTOGRAPH NO. 16
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Northeast	**Date:**	June 29, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA
Subject:	Grid G-14 after initial excavation.		

OFFICIAL PHOTOGRAPH NO. 17
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	June 29, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA
Subject:	KEI delivering a load of backfill material to the site.		

OFFICIAL PHOTOGRAPH NO. 18
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	North	**Date:**	June 29, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Off-road truck dumping soil at soil stockpile number 2 location.

OFFICIAL PHOTOGRAPH NO. 19
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	June 30, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Grid D-2 lined with geo-textile fabric prior to placement of backfill.

OFFICIAL PHOTOGRAPH NO. 20
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	June 30, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA
Subject:	ERRS backfilling grid D-2.		

OFFICIAL PHOTOGRAPH NO. 21
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	July 2, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Excavation grids surrounded with silt fencing. Grid H-12, shown in the foreground, is partially backfilled.

OFFICIAL PHOTOGRAPH NO. 22
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	South	**Date:**	July 13, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Red River Ranch on site to transport soils from stockpile number 1 to disposal facility.

OFFICIAL PHOTOGRAPH NO. 23
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	East	**Date:**	July 15, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: ERRS using track-mounted excavator to load Red River truck with soil from stockpile number 2 for transportation to disposal facility.

OFFICIAL PHOTOGRAPH NO. 24
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	East	**Date:**	July 16, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: ERRS using skid steer to place rock onto deteriorated portions of Buffalo Hollow Road.

OFFICIAL PHOTOGRAPH NO. 25
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	North	**Date:**	July 20, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: ERRS preparing stockpile number 3 for transportation of soils to disposal facility.

OFFICIAL PHOTOGRAPH NO. 26
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Northwest	**Date:**	July 21, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Stockpile number 2 after contaminated soil was removed and the area was graded.

OFFICIAL PHOTOGRAPH NO. 27
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	July 27, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA
Subject:	Grid H-14 after soil removal.		

OFFICIAL PHOTOGRAPH NO. 28
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Northeast	**Date:**	July 28, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA
Subject:	ERRS placing 55-gallon steel drum into overpack container for containment and sampling.		

OFFICIAL PHOTOGRAPH NO. 29
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	North	**Date:**	July 28, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA
Subject:	ERRS placing 55-gallon steel drum into overpack container for containment and sampling.		

OFFICIAL PHOTOGRAPH NO. 30
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Northwest	**Date:**	July 28, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA

Subject: Column sample of material in drum number 1 that was collected for hazardous categorization testing.

OFFICIAL PHOTOGRAPH NO. 31
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0098	**Location:**	Goodyear Dump
Orientation:	Southwest	**Date:**	July 28, 2009
Photographer:	Todd Curtis, Tetra Tech	**Witness:**	Leonardo Ceron, EPA
Subject:	Drum samples collected for hazard categorization testing.		

APPENDIX D

LOGBOOK NOTES

(65 Sheets)

(Electronic copy on compact disc)

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TEAM 1

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6-22-09 NOW

1T

TODD CURTIS

0551 START CURTIS DEPARTS LOUISVILLE, KY FOR GOODYEAR DUMP SITE.

0731 START CURTIS ARRIVES @ GOODYEAR DUMP. MEETS W/ MR. PRICHARD AND WALKS THE SITE.

0750 CMC ARRIVES ON SITE AND BEGIN SETTING UP SITE.

0759 START CURTIS STARTS TRIMBLE GEOXT PN # 60950-20 TO BEGIN STAKING THE 9 EXCAVATION CELLS.

0834 BEGIN STAKING EXCAVATION CELL D-X

0840 BEGIN STAKING EXCAVATION CELL F-2.

0906 CMC SETS UP TEMPORARY STRUCTURE (TENT) TO SERVE AS A SHELTER FROM THE WEATHER.

0928 CMC AND EPA DISCUSS ACCESS OPTIONS FOR HEAVY EQUIPMENT LOAD IN / LOAD OUT.

0950 BEGIN STAKING EXCAVATION CELL G-7.

1009 BEGIN STAKING EXCAVATION CELL H-8.

1014 BEGIN STAKING EXCAVATION CELL H-12.

1032 BEGIN STAKING EXCAVATION CELL I-11 AND J-11.

1050 BEGIN STAKING EXCAVATION CELL F-11.

1103 BEGIN STAKING EXCAVATION CELL G-14

1116 OSC CERON INSTRUCTS START THAT HE WOULD LIKE TO ADD EXCAVATION CELL D-4 TO THE REMOVAL LIST. IN ADDITION OSC CERON AND START WEEDMAN DISCUSS VIA TELEPHONE THAT GRID H-11 WILL ALSO BE ADDED.

1142 CMC AND START "SITE" MARK EXCAVATION CELL D-4 BECAUSE IT WAS NOT INCLUDED ON THE TRIMBLE STAKE

6-22-09

6-22-09 MON — Tom Curtis

FILE, OSC CERON AND CMC JACKEL GO TO GET A VISUAL OF THE 9 EXCAVATION CELLS.

1232 EPA, CMC, AND START DISCUSS SCHEDULING OF TASKS TO ESTABLISH THE LEAST AMOUNT OF OVERLAP AND MAXIMIZE EFFICIENCY.

1334 OSC CERON AND START CURTIS TO LUNCH

1428 START CURTIS CONTACTS START WEEDMAN TO DISCUSS GETTING THE 50' x 50' GRID INSERTED OVER THE ENTIRE TRIANGLE SHAPE FILE. WEEDMAN INFORMS CURTIS THAT IT WILL BE DONE IN THE NEXT DAY OR TWO. WEEDMAN INFORMS CURTIS THAT FOUR ADDITIONAL EXCAVATION CELLS MAY BE ADDED TO ADDRESS ANALYTICAL RESULTS FROM 2004 REPORT.

1450 ON-SITE GRADE HAS BEEN DELINEATED TO IMPROVE ENTRANCE TO SITE FOR HEAVY EQUIP. DELIVERY.

1502 EPA AND START WALK SITE TO DISCUSS CLEARING AND EXCAVATION OF THE 9 MARKED EXCAVATION CELLS.

1524 START COLLECTS GPS COORDINATES FOR STAKES @ THE 9 EXCAVATION CELLS.

G-14: NW - 37.52986440°N 84.33694746°W
SW - 37.52967[illegible]°N 84.33696639 W
SE - 37.52967016°N 84.33676114°W
NE - 37.52980494°N 84.33677242°W

6-22-09

6-22-09 MON — Tom Curtis

F-11: NW 37.52994189°N 84.33751991°W (NOT AT CORNER)
SW 37.52981203°N 84.33747253°W
SE 37.52979393°N 84.33727516°W
NE - 37.52979550°N 84.33729095°W

H-12: NW 37.52968350°N 84.33730227°W
SW 37.52953442°N 84.33729294°W
SE 37.52953497°N 84.33711212°W
NE 37.52967555°N 84.33711498°W

E-11 NW 37.52934169°N 84.33746044°W
SW 37.52938038°N 84.33748453°W
SE 37.52940801°N 84.33730120°W
NE 37.52953468°N 84.33730360°W

J-11 NW 37.52938038°N 84.33748453°W
SW 37.52927489°N 84.33748813°W
SE 37.52927217°N 84.33729871°W
NE 37.52940801°N 84.33730120°W

H 9 NW 37.52970708°N 84.33781460°W
SW 37.52951329°N 84.33779491°W
SE 37.52953177°N 84.33764096°W
NE 37.52969043°N 84.33763974°W

G-7: NW 37.52984980°N 84.33716723°W
(12) ~~SE~~ SW 37.52967551°N 84.33809566°W
(12) ~~NW~~ ~~SE~~ SE 37.52985029°N 84.33796060°W
NE · 37.52982467°N 84.33797403°W

6-22-09

6-23-09 Tues — Todd Curtis

1211 EPA, State, and Start walk site to identify the Excavation cells. State informs EPA of PCB contamination in stream at the ~~SE~~ SE corner of the site. EPA tasks start w/ marking a 7' x 50' grid along stream and collecting GPS coordinates.

1234 CAC relocate to Excavation Cells E-11 + F-11 to continue brush clearing activities. Start collects GPS coordinates of current DataRam locations and relocates to work area.

Unit 1: 37.53050310°N 84.33913826°W (1249)

Unit 2: 37.52999364°N 84.33969253°W (1255)

Unit 3: 37.53037738°N 84.33970731°W (1252)

Unit 4: 37.53008463°N 84.33976955°W (1259)

1311 Start relocates DataRam unit 3 to SE of Mr. Richard Jr's garden to address relocation of brush removal activities.

1316 Start relocates DataRam unit 1 to an area east of Excavation cells I-11 and J-11.

1319 Start relocates DataRam unit 2 to an area SE of Excavation cells I-11 and J-11.

1321 CAC continues to work on Excavation cells I-11, J-11, and H-9. Brush is being piled for subsequent chipping. Debris is piled up out of the cut.

Todd 6-23-09

6-23-09 Tues — Todd Curtis

1335 Start, EPA, and State off-site for lunch. Start Curtis took 1 hour for lunch. The remainder of the time was spent gathering supplies and making telephone calls: Start spoke w/ Sherrit Weedman regarding GPS coordinates for 200% sample points. A shapefile including the locations of the 200% sample points, 50 foot grids across the entire site, and 25 foot grids is being created for upload onto Trimble unit. Tripods have been ordered for the DataRam units (tubing included). Tat of 24 hours is available for both PCB and lead analysis. Start Curtis spoke w/ Start Croft regarding DataRam unit 4 and the faulty clock. Croft told Curtis to contact Eagle Instruments. Start Curtis contacted Adam McLellan @ Eagle Instruments to discuss DataRam unit 4 and its non-working clock. Adam indicated that this was consistent w/ a software glitch that has been observed in the past. Once operational, the unit will often work w/ no issues. However he said there were no guarantees.

1500 Start returns to site. CAC has cleared brush from Excavation cells I-11 and J-11. Debris has been removed from H-9 and is being removed from G-7. CAC has begun removing brush from cell

Todd 6-23-09

Sunny 90°

6-23-09 Tues — Todd Curtis

0700 Start Curtis arrives @ Goodyear Dump Site. CMC plans to begin clearing brush from Excavation cell D-2 utilizing the 3126 and improving the driveway w/ DGA utilizing the 257B.

0813 CMC continues clearing brush from Excavation cell D-2. Brush is piled along driveway for subsequent chipping.

0906 CMC completes clearing brush from Excavation cell D-2. CMC Jackel decides additional clearing is required.

0913 A+A Sanitation of Richmond, KY delivers two portable toilets to the site.

0915 CMC clears brush from Excavation cell F-3.

0914 Start warms up data ram units. Start initiates zero/initialize sequence on the four DataRam units.

Unit 2: Source 1: normal
Source 2: normal
Unit 3: Source 1: normal
Source 2: normal
Unit 4: Source 1: normal
Source 2: normal
Unit 1: completed zero

Unit 1 is Thermo Mie DataRam serial # 2624
Unit 2 is Thermo Mie DataRam 4 serial # D256
Unit 3 is Thermo Mie DataRam 4 serial # D710

6-23-09

6-23-09 Tues — Todd Curtis

Unit 4 is Thermo Mie DataRam 4 serial # D040

1035 At approximately 1035/1036 all four DataRams were set to "Run". Winds today are light and variable w/ no prominent direction. At the instruction of OSC Cotton, because of the lack of definitive wind direction, DataRams should be placed one on each side of work area paying particular attention to the residences. As such Unit 1 was placed at the residence of Mr. Richard Sr. Roughly north of the work area of Excavation cells D-2 and F-3. Unit 3 was placed along Buffalo Hollow Rd roughly west of the work area. Unit 2 was placed roughly south of the work area. Unit 4 was placed at Mr. Richard Jr's residence roughly east of the work area.

1059 Unit 4 clock is not progressing. After approx 20 min of operation run time indicates no time has elapsed. Start shuts off run cycle to diagnose issue.

1102 Start initiates run function on unit 4. Clock not progressing and run time not accumulating. Will contact Simcons @ Dublin during lunch break. For now unit 4 will continue to run.

1143 EPA and KY Dept. of Env. Protection (DEP) Division of Waste Mgmt. (DWM) meet to discuss site specifics.

1156 CMC delivers Link Belt 210 track hoe.

6-23-09

6-22-09 AON — Todd Curtis

F-3	NW	37.52997050°N	84.33935745°W
	SW	37.52983635°N	84.33939574°W
	SE	37.52983114°N	84.33917341°W
	NE	37.52998098°N	84.33919120°W
D-2	NW	37.53024499°N	84.33953315°W
	SW	37.53010398°N	84.33952931°W
	SE	37.53010827°N	84.33935585°W
	NE	37.53025021°N	84.33935252°W

1646 START COMPLETES COLLECTION OF GPS COORDINATES FOR THE 9 EXCAVATION CELLS. WHILE START WAS COMPLETING THIS TASK CMC DELIVERED A CAT 257B SKIDSTEER AND A CAT 312CL TRACK HOE. CMC ALSO DELIVERED 5 ROLLS OF GEOTEXTILE FABRIC.

1702 EPA, CMC, AND START DEPART SITE TO VIDEO BUFFALO HOLLOW ROAD TO FLATGAP ROAD TO HWY 25. THEN FLATGAP ROAD TO DOGWOOD RD INTO SKREA. THE PURPOSE OF THE VIDEO IS TO DOCUMENT THE CONDITION OF THE ROADS PRIOR TO HEAVY EQUIPMENT TRAFFIC IN AND OUT OF THE SITE.

1758 EPA, CMC, AND START MEET W/ MR. PRICHARD SR. TO DISCUSS STORAGE OF VEGETATION REMOVED FROM EXCAVATION CELL AREAS, MOVEMENT OF POWER LINES TO ACCOMODATE HEAVY EQUIPMENT, AND

Todd Curtis 6-22-09

6-22-09 AON — Todd Curtis

LOCATION OF SEPTIC TANK, LATERAL LINES, AND WATER MAIN LINE ASSOCIATED W/ MR. PRICHARD SR'S RESIDENCE.

1818 EPA REQUESTS WORK BEGIN @ 0700 TOMORROW (6/23)

SITE SECURED END OF WORK DAY. ALL PERSONNEL OFF-SITE.

PHOTO #	TIME	DESCRIPTION	O	P
3023	0906	EXCAVATION CELL D-2	S	TC
3024	0907	EXCAVATION CELL F-3	S	
3025	1006	EXCAVATION CELL G-7	W	
3026	1007	EXCAVATION CELL G-7	SE	
3027	1020	CMC STAGES EXCAVATION CELL H-9	SW	
3028	1021	EXCAVATION CELL H-9	SW	
3029	1021	EXCAVATION CELL H-9	SW	
3030	1038	EXCAVATION CELLS J-11, I-11, + H-12	N	
3031	1038	EXCAVATION CELLS J-11, I-11, + H-12	N	
3032	1604	CMC UNLOADS ROLLS OF GEOTEXTILE FABRIC	SE	LC
3033	1604	DRIVEWAY PRIOR TO ADDING DGA	NW	
3034	1629	CMC DELIVERS CAT 312CL TRACK HOE	NW	
3035	1629	CMC DELIVERS CAT 312CL TRACK HOE	NW	
3036	1631	GARDEN AT MR. PRICHARD SR'S RESIDENCE	NE	
3037	1641	CAT 257B SKIDSTEER AND 312CL TRACK HOE	SE	
3038	1642	DRIVEWAY PRIOR TO ADDING DGA	SE	
3039	1642	DRIVEWAY PRIOR TO ADDING DGA	SE	
3040	1642	EXCAVATION CELL D-2 AND 257B BUCKET	SW	
3041	1642	EXCAVATION CELL D-2 AND 257B BUCKET	SW	
3042	1650	START AND CMC DISCUSS SITE ACTIVITIES	NE	

Todd Curtis 6-22-09

6-23-09 Tues — Todd Curtis

H-9.

1701 Start Curtis Plots in a Grid Around the Stream @ the SE End of the Property.

37.52877222 °N 84.33762819 °W

37.52872539 °N 84.33762296 °W

37.52854134 °N 84.33742994 °W

37.52847550 °N 84.33742865 °W

1714 Start collects GPS coordinates for current location of DataRam units.

Unit 1: 37.52962532 °N 84.33716141 °W

Unit 2: 37.52902929 °N 84.33744344 °W

Unit 3: 37.52952150 °N 84.33861399 °W

Unit 4: 37.53008463 °N 84.33896955 °W

1722 CMC has completed brush removal of excavation cell H-9. Brush from I-11 and J-11 have been combined w/ H-9 brush and is staged for subsequent chipping. CMC is currently removing brush from cell G-7.

1747 CMC completes brush removal in excavation cell G-7. Brush is staged for chipping.

1754 Start Curtis terminates run cycle on unit 2.

1756 Start Curtis collects DataRam unit 1 run not terminated. Screen black - will take to vehicle to troubleshoot

1804 Start Curtis terminates run cycle on unit 3

6-23-09

6-23-09 Tues — Todd Curtis

1809 Start Curtis terminates run cycle on unit 1

All equipment is packed and secured.

1818 All personnel off site. Site secured. End of work day.

Photo #	Time	Description	O	P
3043	0714	CMC clears vegetation from cell D-2	SW	TWC
3044	0758	Piled vegetation removed from Grid D-2	SW	
3045	0801	CMC clears vegetation from Grid D-2	SW	
3046	0907	CMC clears vegetation from Grid F-3	S	
3047	1056	Piled vegetation removed from Grid F-3	N	
3048	1056	Metal bands encountered during clearing	W	
3049	1057	Grid D-2 after clearing	SW	
3050	1156	CMC delivers a 2nd track excavator	W	
3051	1156	CMC delivers a 2nd track excavator	W	
3052	1201	CMC unloads track excavator	NW	
3053	1213	Grid F-11 prior to excavation	NE	
3054	1213	EPA and KDEP inspect Grid G-14	E	
3055	1213	Pile of debris located in Grid I-11	S	
3056	1214	Staked grids I-11 and J-11	SW	
3057	1214	Grid F-11 prior to vegetation clearing	NW	
3058	1215	Grid G-14 prior to vegetation clearing	NE	
3059	1225	Stream located southwest of property	SE	
3060	1322	CMC clears vegetation from Grid J-11	S	
3061	1322	CMC uses skid steer to remove debris from H-9	SW	
3062	1639	Grid G-7 after vegetation clearing.	S	
3063	1639	Grid G-7 after vegetation clearing	SW	

6-23-09

6-23-09 TUES

PHOTO #	TIME	DESCRIPTION	TODD CURTIS O	P
3064	1639	DEBRIS PILE REMOVED FROM GRID G-7	S	
3065	1639	DEBRIS PILE REMOVED FROM GRID H-9	S	
3066	1640	CMC CLEARS VEGETATION FROM GRID H-9	S	
3067	1640	AUTOMOTIVE FUEL TANKS REMOVED FROM GRID H-9	S	
3068	1641	GRIDS I-11 AND J-11 AFTER VEGETATION CLEARING	S	
3069	1642	GRIDS I-11 AND J-11 AFTER VEGETATION CLEARING	N	
3070	1716	DATATRAK PARTICULATE MONITOR PLACED NEAR GRID J-11	S	
3071	1718	EPA, CMC, AND KDEP INSPECT GRID J-11	S	
3072	1720	VEGETATION PILE REMOVED FROM GRID H-9	SW	
3073	1721	DEBRIS REMOVED FROM GRID G-7	W	
3074	1724	CMC CLEARS VEGETATION FROM GRID G-7	S	
3075	1749	GRID G-7 AFTER VEGETATION CLEARING	S	

6-23-09

SUNNY 90°

6-24-09 WED

TODD CURTIS

0545 START CURTIS @ START WAREHOUSE TO GET 8 OZ SAMPLING JARS. JARS FROM LAB ARE EXPECTED ON THURSDAY (6/25) BUT SAMPLES ARE ANTICIPATED TODAY.

0800 START ARRIVES @ GOODYEAR DUMP SITE, CMC HAS BEGUN SOIL REMOVAL IN EXCAVATION D-2 UTILIZING THE LINK BELT 210 TRACK HOE. CMC JACKSON REQUESTS THAT START WARM UP NITON XL 700 TO BE PREPARED TO CONDUCT SCREENING ACTIVITIES IN THE EXCAVATION CELL TO DETERMINE IF ADEQUATE SOIL HAS BEEN REMOVED.

0826 START WARMS UP NITON XL700 SERIAL NUMBER U2133NW324 AND PERFORMS TEST CALIBRATION. NO SOIL STANDARDS WERE SUPPLIED W/ THE XRF UNIT. START WILL CONTACT EAGLE AND HAVE SOIL STANDARDS SHIPPED ASAP.

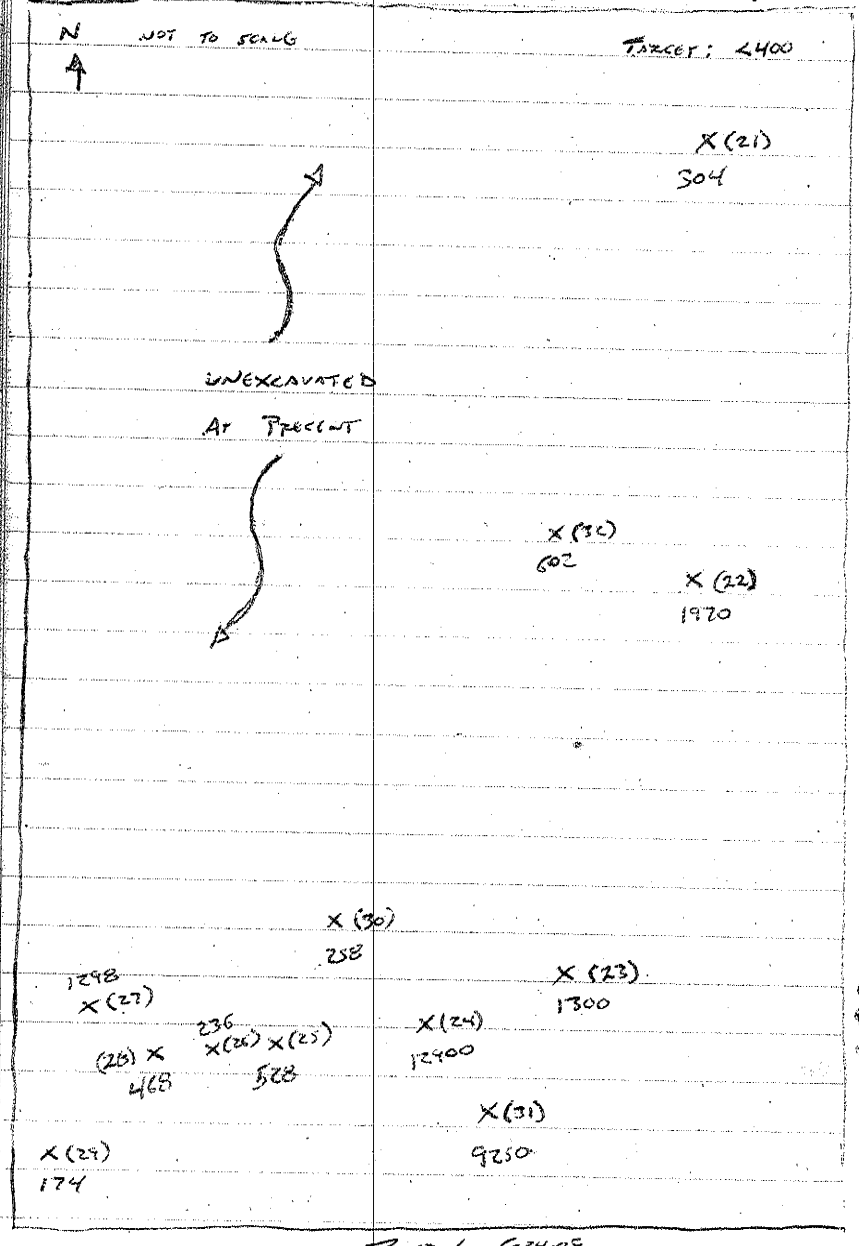
0845 START AND CMC CHECK EXCAVATION CELL D-2 TO BEGIN SAMPLING FOR LEAD. TWELVE INITIAL READINGS ARE TAKEN FROM THE AREA THAT HAS BEEN DUG TO 6".

XRF READING NO	RESULT (PPM)	XRF READING NO	RESULT (PPM)
21	304	28	468
22	1970	29	174
23	1300	30	258
24	12900	31	9250
25	528	32	602
26	236		
27	1298		

* SEE FIGURE ON FOLLOWING PAGE *

6-24-09

6-24-09 WED — XRF SCREENING — EXCAVATION CELL D-2 — TODD CURTIS



TWL 6-24-09

6-24-09 WED — TODD CURTIS

0930 CMC AND START CONTACT OSC CERON TO INFORM HIM OF SCREENING RESULTS IN EXCAVATION CELL D-2. OSC CERON INSTRUCTS CMC TO REMOVE AN ADDITIONAL 6" OF SOIL.

1011 TWO ~20FT LENGTHS OF CORRUGATED PIPE ARE DELIVERED TO THE SITE.

1015 EXCAVATION CELL D-2 SOIL STOCKPILE AREA CONSISTS OF ~~[illegible]~~ NOW POLY COVERED W/ GEOTEXTILE FABRIC. THIS STAGING AREA (SS-1) WILL STAGE ALL LEAD SOILS.

1030 A CAT 730 OFF-ROAD TRUCK ARRIVES TO ASSIST W/ MOVING BRUSH AND SOIL AROUND THE SITE.

1039 BRUSH FROM EXCAVATION CELL D-2 IS LOADED INTO CAT 730 W/ CAT BIRCH TO BE MOVED TO THE BACK OF THE SITE FOR CHIPPING.

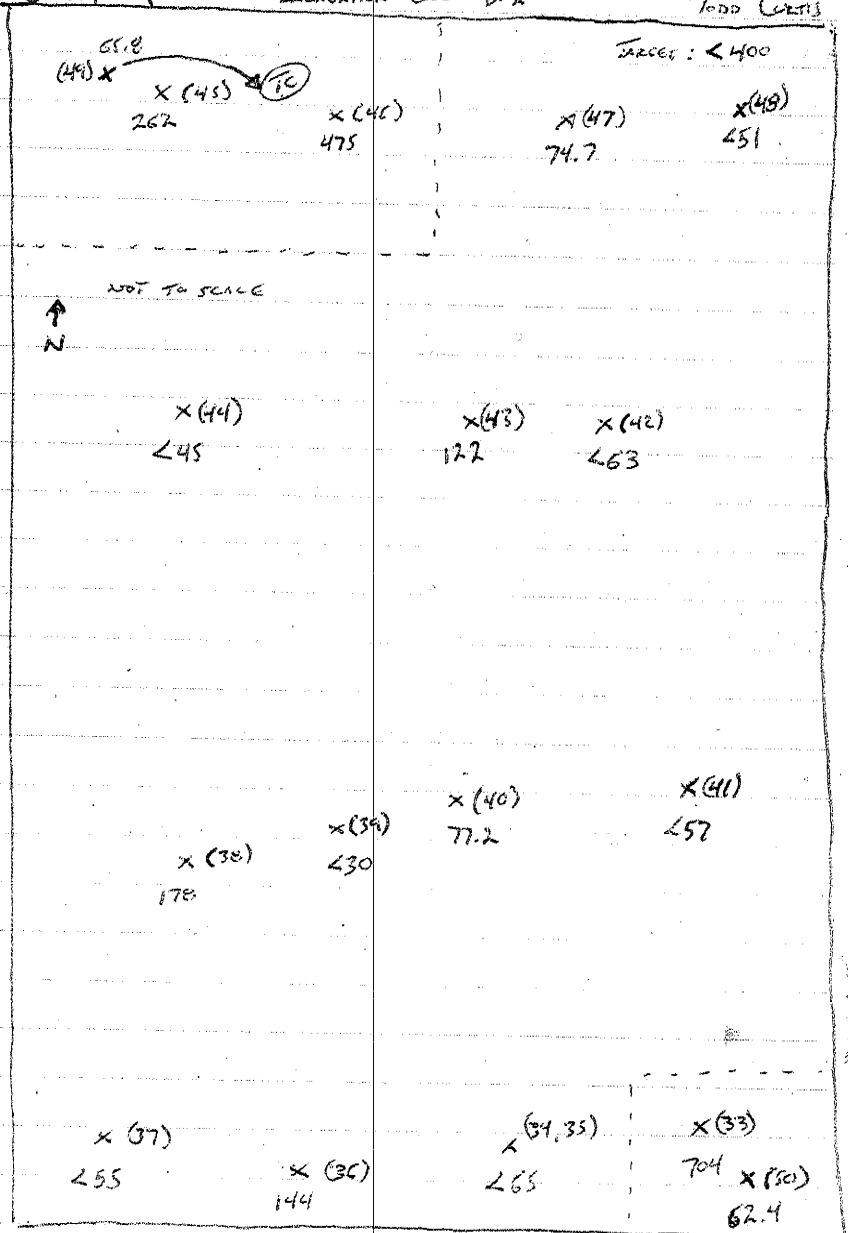
1045 CAT 730 LOADED W/ BRUSH HEADS TO THE BACK OF THE SITE WHERE BRUSH IS STAGED NORTH OF THE TRAILS ACROSS FROM EXCAVATION CELL G-7. CMC CONTINUES LOADING BRUSH FROM CELL D-2.

1058 CMC AND START USE NITON 700XL TO SCREEN SOILS IN THE SOUTHERN HALF OF EXCAVATION CELL D-2 AFTER THE ADDITIONAL 6" OF SOIL HAVE BEEN REMOVED. DURING WHICH 12" OF SOIL IS REMOVED FROM THE NORTHERN HALF OF CELL D-2. AFTER SOIL HAS BEEN REMOVED FROM THE NORTHERN HALF START AND CMC SCREEN THE SOIL W/ XRF XL700. THE FOLLOWING TABLE SUMMARIZES SOIL

TWL 6-24-09

XRF SCREENING II

6-24-09 WED EXCAVATION CELL D-2 TODD CURTIS



T.C. 6-24-09

6-24-09 WED TODD CURTIS

SCREENING RESULTS OBTAINED W/ XRF XL700

XRF READING NO.	READING (PPM)	XRF READING NO.	READING
33	704	42	<63
34	<65	43	122
35	<65	44	<45
36	144	45	262
37	<55	46	475
38	178	47	74.7
39	<30	48	451
40	77.2	49	65.8
41	<57	50	62.4

1200 CMC AND STARC STOP FOR LUNCH

1230 CMC AND STARC RETURN TO WORK. RESULTS OF THE SECOND ROUND OF XRF SCREENING IN CELL D-2 INDICATED ELEVATED LEAD CONCENTRATIONS IN THE NW AND SE CORNERS OF THE CELL. CMC REMOVES ANOTHER 4" OF SOIL IN THESE TWO CORNERS (XRF SAMPLES 33 AND 46) ADDITIONAL XRF SCREENING (XRF READINGS 49 AND 50) INDICATED THAT THE CONTAMINATED SOILS HAD BEEN REMOVED BASED ON THE RESULTS OF THE XRF SCREENING. AFTER REMOVAL OF APPROX. 12" OF SOIL HAVE MINIMIZED CONCENTRATIONS THAT A 5-POINT COMPOSITE SAMPLE WILL BE COLLECTED BY STARC FOR CONFIRMATORY PURPOSES.

1300 CAT BIZCL IS RELOCATED TO BEGIN WORKING ON PCB EXCAVATION CELLS I-11 AND J-11.

T.C. 6-24-09

6-24-09 WED — TODD CURTIS

1302 CMC HAS CONSTRUCTED A DRAINAGE TILE ALONG THE ROAD TO THE BACK of THE PROPERTY TO MINIMIZE DAMAGE TO THIS AREA CAUSED BY HEAVY EQUIPMENT TRAFFIC. THIS WAS CONSTRUCTED FROM THE CORRUGATED PIPE.

1307 CMC BEGINS SOIL REMOVAL IN EXCAVATION CELL J-11. CMC CONTINUES MOVING BRUSH FROM THE EXCAVATION CELLS TO THE LOCATION NORTH of CELL G-7 FOR CHIPPING.

1322 START CURTIS OFF-SITE TO PICK UP SUPPLIES. WHILE OFF SITE START CONTACTED EAGLE INSTRUMENTS TO INQUIRE ABOUT THE TRIPODS FOR THE DATARAM UNITS UNITS HAD BEEN SHIPPED AND WERE TO BE DELIVERED TO THE SITE. START ALSO CONTACTS LOUISVILLE OFFICE TO GET A LOGO EMAILED FOR OSC CERON TO INCLUDE ON A SITE JOB SIGN.

1438 START RETURNS TO SITE. CMC CONTINUES TO REMOVE SOIL FROM EXCAVATION CELLS I-11 AND J-11. A STAGING LOCATION HAS BEEN ESTABLISHED FOR SOILS REMOVED FROM THE PCB EXCAVATION CELLS. THIS IS LOCATED ON TOP of THE HILL NORTH of CELL G-7 AND WEST of THE METAL BARN. THE SOIL STAGING AREA IS LINED w/ MIN POLY UNDER GEOTEXTILE FABRIC. LOADS of SOIL ARE BEING LOADED INTO THE CAT 730 w/ THE LINK BELT 210 AND TRANSFERRED FROM EXCAVATION CELLS I-11 AND J-11 TO THE SOIL STAGING AREA (SS-2). VISIBLE DUST IS

Todd 6-24-09

6-24-09 WED — TODD CURTIS

OBSERVED WHEN VEHICLES TRAVEL THE ACCESS ROAD. NO VISIBLE DUST IS OBSERVED COMING FROM THE SOILS REMOVED FROM THE EXCAVATION CELLS.

1511 TRIPODS FOR DATARAM UNITS HAVE NOT ARRIVED OSC CERON AND START CURTIS INITIATE DATARAM UNITS w/o TRIPODS TO COLLECT SOME DATA FOR THE DAY. AFTER CONVERSATIONS w/ EAGLE INSTRUMENTS AND TETRA TECH PERSONNEL IT APPEARS THAT A MANUFACTURING DEFECT IN THE DATARAM SOFTWARE IS THE CAUSE of UNIT 4 MALFUNCTION. THE INTERNAL CLOCK IS NOT FUNCTIONING A.D IS PREVENTING THE UNIT FROM COLLECTING SEQUENTIAL SAMPLES. ONLY 2 SAMPLES WERE COLLECTED w/ THIS UNIT. OSC CERON HAS REQUESTED THAT THIS UNIT BE REPLACED. EAGLE IS ATTEMPTING TO LOCATE A REPLACEMENT UNIT.

1556 START WARMS UP UNITS 2 AND 3 FOR LIMITED AIR MONITORING of THE RESIDENCES FOR THE REMAINDER of THE DAY. BOTH UNIT ZERO CALIBRATE AND INDICATE NORMAL FUNCTION.

1618 UNIT 2 IS STARTED AND PLACED @ MR. PRICHARD SR'S RESIDENCE

1641 UNIT 3 IS STARTED AND PLACED @ MR. PRICHARD JR.'S RESIDENCE

CMC, DWM, AND START UTILIZE NITON XL700 TO SCREEN THE SE CORNER of CELL J-11.

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XRF Reading No.	Reading (PPM)
52	<47
53	<54
54	<67

(20)

1718 OSC CERON TASKS CMC TO DIG "TEST" PITS TO CONFIRM THAT NO MATERIAL IS PRESENT DEEPER BENEATH THE EXCAVATION CELL D-2.

1750 OSC CERON TASKS START W/ COLLECTING SCREENS IN CELL D-2 TO COMPARE W/ MORNING SCREENING RESULTS.

1756 OSC CERON TASKS START W/ REPLACING DATALOGGER UNIT 4, ACQUIRING LEAD SOIL STANDARDS TO CALIBRATE XRF, AND GETTING A TEMP/HUMIDITY METER.

1758 SITE SECURED ALL PERSONNEL OFF SITE, END OF WORK DAY.

Photo #	Time	Description	O P
3076	0926	CMC UNROLLS GEOTEXTILE FABRIC	NW Face
3077	0928	CMC PLACES GEOTEXTILE FABRIC DOWN IN GRID D-2	NW
3078	0930	POLYURETHANE LINING FOR STOCKPILE #1	S
3079	0930	SOIL REMOVED FROM GRID D-2 IN STOCKPILE #1	SW
3080	0950	CMC UTILIZES TRACK EXCAVATOR IN GRID D-2	S
3081	1016	STEEL PIPE FOR CULVERT INSTALLATION	SE
3082	1025	CAT 730 OFF ROAD TRUCK ARRIVES	W
3083	1037	EXCAVATION OF GRID D-2, BRUSH REMOVAL	S

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6-24-09 WED — Tom Curtis

Photo #	Time	Description	O P
3084	1043	BRUSH DEBRIS IS LOADED INTO OFF ROAD TRUCK	NW Face
3085	1047	OFF ROAD TRUCK DUMPS BRUSH	S
3086	1058	CONTINUED EXCAVATION OF GRID D-2	NW
3087	1122	STOCKPILE #1	W
3088	1231	GRID D-2 AFTER INITIAL EXCAVATION	SW
3089	1232	CMC DISCUSS ADDITIONAL SOIL REMOVAL IN D-2	NW
3090	1234	CMC REMOVES ADDITIONAL SOIL FROM D-2	NW
3091	1302	INSTALLED DRAINAGE CULVERT NORTH OF G-7	SE
3092	1305	CMC PREPARES FOR SOIL REMOVAL @ J-11	S
3093	1307	CMC REMOVES SOIL FROM J-11	S
3094	1309	CMC REMOVES BRUSH PILE FROM G-7	W
3095	1654	CMC DUMPS SOIL AT STOCKPILE #2	NW
3096	1659	SOIL REMOVED FROM J-11 LOADED INTO OFF ROAD	S
3097	1722	CMC PREPARES A "TEST PIT" @ D-2	E
3098	1722	CMC DIGS A "TEST PIT" @ D-2	E
3099	1722	"TEST PIT" IN D-2	E
3100	1724	CMC DIGS "TEST PIT" @ D-2	SE
3101	1724	"TEST PIT" IN D-2	SE
3102	1725	CMC DIGS "TEST PIT" @ D-2	E
3103	1725	"TEST PIT" IN D-2	NE

6-24-09

6-25-09 THURS — TODD CURTIS

0700 (TMC) START CURTIS ARRIVES @ GOODYEAR DIRT SITE.
CMC TO CONTINUE EXCAVATION OF CELLS I-11 AND J-11.
DIRT IS STOCKPILED W/ PCB CONTAMINATED SOILS @ STAGING AREA SS-2.

0738 START CURTIS BEGINS ZEROING/INITIALIZING DATARAM UNITS 1, 2, AND 3 (UNIT 4 IS NON-FUNCTIONAL). UNITS 1 AND 3 INITIALIZE NORMAL. HOWEVER, UNIT 2 IS SHOWING INDICATIONS OF A SOFTWARE GLITCH SIMILAR TO UNIT 4.

0808 UNIT 3 IS STARTED AND PLACED @ MR. RICHARD JR'S RESIDENCE. UNIT 1 IS STARTED AND PLACED @ SE CORNER OF J-11.

0824 START CONTINUES TO TROUBLESHOOT UNIT 2 TO FIGURE OUT WHAT IS CAUSING THE MALFUNCTIONING CLOCK. START CONTACTS MR. WILL COLLINS @ EPA WAREHOUSE TO DISCUSS THE ISSUE. EPA COLLINS WAS NOT FAMILIAR W/ THE GLITCH AND DEFERRED TO ADAM MCCLUSKY @ EAGLE INSTRUMENTS.

0921 START AND OSC CERON CONTACT START SHERRY WEGMAN TO DISCUSS OPTIONS TO GET TWO REPLACEMENT UNITS ON-SITE. SHERRY INDICATES THAT SHE WILL HAVE TWO UNITS ON SITE TOMORROW (6/26). AT THIS TIME OSC CERON TELLS START TO ABANDON THE EFFORTS TO DIAGNOSE THE PROBLEM W/ UNIT 2.

0938 CMC WORKS TO STAGE SOIL REMOVED FROM I-11 AND J-11 @ STOCKPILE 2 (SS-2). CMC CONTINUES

6-25-09

6-25-09 THURS — TODD CURTIS

SOIL REMOVAL FROM EXCAVATION CELLS I-11 AND J-11. CMC IS REMOVING SOIL UTILIZING THE LINKBELT 210 LOADING INTO THE CAT 730 FOR TRANSPORT TO SS-2.

1125 CMC FINISHES SOIL REMOVAL FROM EXCAVATION CELLS I-11 AND J-11. CMC RELOCATES TO EXCAVATION CELL G-14 TO BEGIN SOIL REMOVAL ACTIVITIES. TO BEGIN CMC HAS TO REMOVE TIRES AND DEBRIS FROM THE AREA PRIOR TO SOIL REMOVAL. ALL DEBRIS IS PILED TO THE WEST OF EXCAVATION CELL G-14.

1200-1230 CMC BREAK FOR LUNCH. EPA, STATE, AND START DISCUSS SOIL AREAS FROM THE 2004 REPORT. START LOCATES A COUPLE OF THE POINTS USING THE GPS UNIT.

1312 EPA, STATE, AND START OFF SITE FOR LUNCH

1405 EPA, STATE, AND START RETURN FROM LUNCH. CMC CONTINUES TO WORK ON EXCAVATION GRID G-14.

1412 CMC CONTINUES TO STAGE SOIL IN SS-2.

1503 ~~START~~ CMC PLACES TOLT OVER THE STOCKPILE OF SOIL REMOVED FROM ~~(SS-1)~~ EXCAVATION GRID D-2.

1546 START CURTIS PREPARES BOWLS AND SPOONS NEEDED FOR SAMPLE COLLECTION.

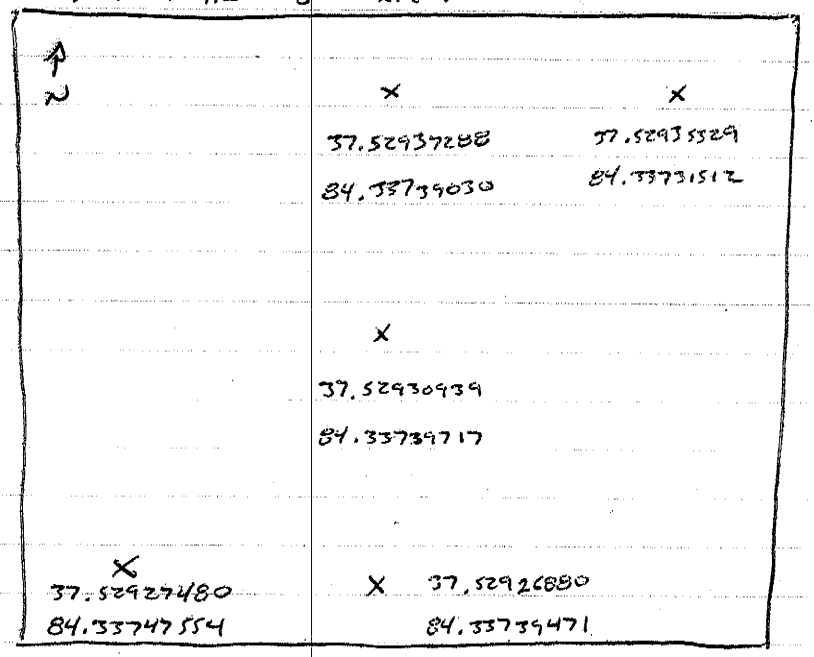
1554 START COLLECTS FIVE ALIQUOTS OF SOIL FROM EXCAVATION CELL J-11. ALIQUOTS ARE PLACED IN AN ALUMINUM BOWL AND MIXED W/ PLASTIC

6-25-09

JUNE 25, 2009 THURS — TODD CURTIS

SPOON.

1603 START COLLECTS SAMPLE GYD-CS-09. THIS SAMPLE IS PLACED ON ICE. START USED GPS UNIT TO LOG COORDINATES. COORDINATES FOR THESE SAMPLE ALIQUOTS FROM I-11 ARE:



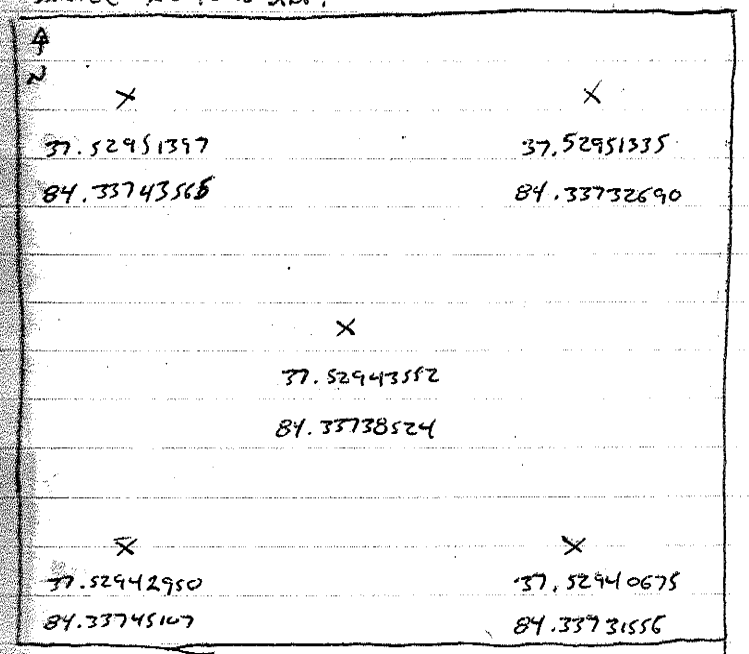
1607 START COLLECTS FIVE ALIQUOTS OF SOIL FROM EXCAVATION CELL I-11. THE ALIQUOTS ARE PLACED IN AN ALUMINUM BOWL AND THOROUGHLY MIXED W/ A PLASTIC SPOON.

1621 START COLLECTS SAMPLE GYD-CS-08. THIS SAMPLE IS PLACED ON ICE. START USED GPS TO LOG COORDINATES. COORDINATES FOR THE I-11

TC 6-25-09

6-25-09 THURS — TODD CURTIS

SAMPLE ALIQUOTS ARE:



1632 START TAKES SAMPLING MATERIALS TO D-2 FOR COLLECTION OF SOIL SAMPLE.

1728 START COLLECTS FIVE ALIQUOTS OF SOIL FROM EXCAVATION CELL D-2. THE ALIQUOTS OF SOIL ARE PLACED IN AN ALUMINUM BOWL AND MIXED THOROUGHLY W/ A STAINLESS STEEL (SS) SPOON.

1741 START COLLECTS GYD-CS-01. THIS SAMPLE IS PLACED ON ICE. START USED GPS TO LOG ALIQUOT SAMPLE COORDINATES. THE COORDINATES FOR THE SAMPLES ALIQUOTS IN EXCAVATION CELL D-2 ARE.

TC 6-25-09

6-25-09 THURS — TODD CURTIS

EXCAVATION DAY — SAMPLE ALIQUOTS

X	X
37.53022316	37.53029969
84.33949780	84.33939444
X	
37.53017711	
84.33944317	
X	X
37.53013924	37.53012848
84.33949002	84.33936215

1748 START COLLECTS ALL SAMPLING MATERIALS. START TERMINATES RUNS ON DATATRAN UNITS AND PLACE THEM IN THEIR CASES.

1815 EPA, CMC, AND START TALK W/ MR. PRICHARD JR AND HIS WIFE ABOUT THE WORK TO REMOVE SOIL FROM EXCAVATION GRID F-3. CMC IS CONCERNED THAT THE LATERAL LINES FOR THE SEPTIC SYSTEM, WHICH UNDERLIE EXCAVATION CELL F-3, MAY BECOME DAMAGED. THIS WOULD REQUIRE SHUTTING DOWN THE WATER TO THE HOUSE FOR SEVERAL DAYS TO REPAIR.

6-25-09

6-25-09 THURS — TODD CURTIS

CMC WOULD LIKE TO RELOCATE THE PRICHARDS TO A HOTEL WHILE THIS WORK IS COMPLETED TO AVOID ANY INCONVENIENCE. THE PRICHARDS AGREE TO THIS PLAN. THE GOAL IS TO BEGIN EXCAVATION ON MONDAY (6/29). THE PRICHARDS WILL BE PUT IN THE HOTEL SUNDAY (6/28).

1824 ALL PERSONNEL OFF-SITE. SITE IS SECURE. END OF WORK DAY @ SITE. START MUST TAKE THE SAMPLES TO LOUISVILLE, KY STOP BY THE LOUISVILLE OFFICE TO GET THE LABORATORY PAPERWORK THAT ARRIVED TODAY.

2015 START ARRIVES @ LOUISVILLE OFF FILLS OUT COC.

2041 START DEPARTS FOR SEDEX TO DELIVER SAMPLES FOR SHIPPING.

PHOTO #	TIME	DESCRIPTION	O ?
[illegible]	0938	STOCKPILE #2	NW NE
[illegible]	0940	CMC REMOVES SOIL FROM J-11	S
[illegible]	0959	OFF ROAD TRUCK HAULS SOIL TO STOCKPILE #2	W
[illegible]	1125	GRIDS I-11 AND J-11	SW
[illegible]	1136	GRIDS I-11 AND J-11	N
[illegible]	1253	OFF ROAD TRUCK HAULS SOIL TO STOCKPILE #2	SE
[illegible]	1254	CMC BEGINS SOIL REMOVAL OF GRID G-14	NW
[illegible]	1255	DEBRIS CLEARED FROM GRID G-14	E
[illegible]	1258	CMC LOADS SOIL FROM GRID G-14	NW

6-25-09

6-25-09 THURS — TODD CURTIS

PHOTO #	TIME	DESCRIPTION	
3113	1301	SOIL REMOVAL FROM GRID G-14	N
3114	1432	CONTINUED SOIL REMOVAL FROM GRID G-14	NW
3115	1439	CMC REMOVES SOIL FROM GRID G-14	E
3116	1523	CMC COVERS STOCKPILE #1 W/ POLY	SW
3117	1523	CMC COVERS STOCKPILE #1 W/ POLY	SW
3118	1524	STOCKPILE #1 COVERED W/ POLY	SW

6-25-09

6-29-09 MON — TODD CURTIS

NOTE: NO SITE WORK WAS CONDUCTED ON FRIDAY (6/26) OR SATURDAY (6/27) DUE TO HEAVY RAINS THAT MADE THE SITE MUDDY AND DANGEROUS TO WORK.

0540 START DEPARTS LOUISVILLE KY FOR BEREA KY.

0604 START PICKUP RENTAL VEHICLE

0740 START ARRIVES @ GOODYEAR DUMP SITE. CMC IS REMOVING SOIL FROM EXCAVATION CELL G-7. EXCAVATION CELL G-14 HAS BEEN COMPLETED. ONE LOAD OF DGA HAS BEEN DELIVERED TO APPLY TO THE ACCESS ROAD.

0814 START ZERO/INITIALIZES DATARAM UNITS.

0817 KEETON EXCAVATING INC (KEI) DELIVERS TWO LOADS OF FILL DIRT TO THE SITE. DIRT IS STAGED @ THE NORTH END OF CELL I-11.

0823 DATARAM UNIT 3 IS SET UP SOUTH OF J-11.

0835 DATARAM UNIT 2 IS SET UP AT MR. PRICHARD'S RESIDENCE.

0847 LOAD OF DGA IS DELIVERED FOR APPLICATION TO ACCESS ROAD BY CLOVER BOTTOM QUARRY / ALLEN INC.

0903 KEI DELIVERS A LOAD OF FILL DIRT AND STAGES @ I-11.

0921 KEI DELIVERS LOAD OF FILL DIRT AND STAGES @ I-11.

0937 ALLEN INC. DELIVERS LOAD OF GRAVEL FOR

6-29-09

6-29-09 MON — TODD CURTIS

APPLICATION TO ACCESS ROAD.

1150 FEDEX DELIVERS DATARAM UNITS.

1200-1230 ALL CREWS BREAK FOR LUNCH

1233 KEI DELIVERS FILL DIRT AND STAGE @ I-11

1248 KEI DELIVERS A LOAD OF FILL DIRT AND STAGES @ I-11.

1250 • SOMETIME BETWEEN 1130 AND 1200 A GARBAGE TRUCK WENT OFF THE ROAD AND INTO A DITCH ALONG FLAT GAP ROAD NEAR PEARL LANE. A TOW TRUCK WAS DISPATCHED TO REMOVE THE GARBAGE TRUCK FROM THE DITCH. A SIGNIFICANT AMOUNT OF DAMAGE TO THE DITCH WAS OBSERVED. START PHOTOGRAPHED THE DITCH TO DOCUMENT THE CONDITION AFTER THE GARBAGE TRUCK WAS REMOVED.

• ON HIS WAY TO THE SITE OSC CERON WITNESSED A MINI VAN W/ A TRAILER OF ROCK TRAVELING ALONG HWY 25. THE VEHICLE TURNED ONTO FLAT GAP ROAD AT WHICH TIME THE TRAILER SPILLED ROCK INTO THE ROADWAY. CMC AND START WERE TASKED W/ CLEANING THE ROAD AND PHOTOGRAPHING THE AREA.

• A POTENTIAL REMOVAL CONTRACTOR ARRIVED ON SITE TO INQUIRE ABOUT THE SITE. UPON LEAVING THE SITE THE TRUCK PULLED TO THE SIDE OF BUFFALOW HOLLOW RD. TO ALLOW A TRUCK TO PASS.

6-29-09

6-29-09 MON — TODD CURTIS

AT THIS TIME THE TRUCK SANK INTO THE MUD AND BECAME STUCK. THE TRUCK WAS PULLED OUT THE DITCH SIGNIFICANT DAMAGE TO THE DITCH WAS NOTED. START PHOTOGRAPHED THE DAMAGE FOR THE DOCUMENTATION PURPOSES.

[illegible] START ZERO/INITIALIZED THE TWO DATARAMS THAT WERE DELIVERED. BOTH UNITS NDT-444 (S/N: D708) AND NDT-445 (S/N: D709) READ NORMAL.

1350 NDT-444 (UNIT 1) AND NDT-445 (UNIT 2) STARTED AND PLACED IN SAMPLING LOCATIONS. UNIT 1 PLACED @ MR. PRICHARD JR'S RESIDENCE. UNIT 2 PLACED SOUTH OF MR. PRICHARD JR'S GARDEN.

1354 KEI DELIVERS ANOTHER LOAD OF FILL DIRT.

WHILE START AND CMC WERE OFFSITE DEALING W/ THE ROAD ISSUES, JACKSON ELECTRIC WAS ON SITE TO DISCONNECT SOME OVERHEAD LINES SO EQUIPMENT COULD GET INTO EXCAVATION AREAS AROUND CELL H-12. CMC COMPLETES EXCAVATION CELL G-7 AND BEGIN REMOVAL OF H-12.

[illegible] KEI DELIVERS A LOAD OF FILL DIRT.

[illegible] CMC MAINTENANCE ON SITE TO REPLACE FUEL PUMP FOR ONE OF THE PICK UP TRUCKS.

[illegible] KEI DELIVERS A LOAD OF FILL DIRT.

[illegible] ANALYTICAL DATA INDICATED THAT I-11 EXCEEDED THE RSL FOR PCBS. OSC CERON HAD CMC DIG I-11

6-29-09

6-29-09 Mon Todd Curtis

And H-12 an additional foot to remove contaminated soil.

1531 KEI delivers load of fill dirt

1535 KEI delivers load of fill dirt

1555 KEI delivers load of fill dirt

1557 Start performs shutter calibration on Niton XL-700 and calibrates using NIST standards.

NIST Standard	Reading
NIST 2709 - Low	421
NIST 2711 - Med	1130
NIST 2710 - High	5220

1747 Start collects soil sample aliquots from Excavation cell G-14. The 5 aliquots are placed in a stainless steel bowl and thoroughly mixed w/ a stainless spoon. Start collects soil sample GTD-CS-05 from Excavation cell G-14.

Sample Points: A duplicate sample is also collected

N

37.52978747	37.52979191
84.33693681	84.33680411
37.52983379	
84.33688871	
37.52967866	37.52968953
84.33692195	84.33680913

6-29-09

6-29-09 Mon Todd Curtis

1805 Start collects 5 aliquots from Excavation cell G-7. The aliquots are placed in a stainless steel bowl and thoroughly mixed w/ a steel spoon. Sample Points:

N

37.52980406	37.52979008
84.33810943	84.33802585
37.52974744	
84.33805948	
37.52970602	37.52969172
84.33811722	84.33801353

1820 CAC is instructed to dig 5 'test' pits to depth of 12" in Excavation cells I-11 and H-12.

1834 Start collects five aliquots of soil from the 'test' pits in Excavation cell H-12. These aliquots are placed in a stainless steel bowl and thoroughly ~~stirred~~ mixed w/ a steel spoon. Start collects sample GTD-CS-07 from cell H-12. Sample location coordinates are described on the following figure.

6-29-09

6-29-09 MON — TODD CURTIS

N

37.52965398 84.33725258	37.52965675 84.33715774
37.52961206 84.33720482	
37.52957714 84.33726422	37.52956108 84.33715739

1900 START COLLECTS FILE ALIQUOTS FROM EXCAVATION CELL I-11. THIS IS A RETAKE SAMPLE BECAUSE CELL I-11 HAD EXCEEDED THE RSC FOR PCBS PREVIOUSLY. THE ALIQUOTS ARE PLACED INTO A STAINLESS STEEL BOWL AND THOROUGHLY MIXED W/ A STEEL SPOON. START COLLECTS SAMPLE GTD-CS-08-R1 FROM EXCAVATION CELL I-11. SAMPLE POINTS:

N

37.52950686 84.33742778	37.52948812 84.33735148
37.52946877 84.33737610	
37.52942147 84.33743122	37.52941373 84.33731049

6-29-09

6-29-09 MON — TODD CURTIS

1914 START COLLECTS THE DATA FROM AND TERMINATES SAMPLING RUNS. EQUIPMENT IS PLACED IN STORAGE CASES.

1921 SITE IS SECURED, ALL PERSONNEL OFF SITE, END OF WORK DAY. SIXTEEN LOADS OF FILL DIRT, EIGHT @ 26 YDS AND EIGHT @ 24 YDS, 416 DELIVERED TO THE SITE.

TRUCK #	TIME	DESCRIPTION	O	?
[illegible]	0822	REI DELIVERS FILL MATERIAL	NW	[illegible]
[illegible]	0826	EXCAVATION COMPLETED ON GRID G-14	NE	
[illegible]	0826	REI DELIVERS FILL MATERIAL	W	
[illegible]	0828	CMC REMOVES SOIL FROM GRID G-7	W	
[illegible]	0830	GRID G-7	S	
[illegible]	0937	SOIL STOCKPILE #2	N	
[illegible]	1252	GRAVEL SPILLED @ FLAT 6/7 RD AND 25	SE	
[illegible]	1252	CMC TAKES GRAVEL	S	
[illegible]	1253	CMC TAKES GRAVEL	N	
[illegible]	1254	GRAVEL IN ROADWAY	E	
[illegible]	1256	AREA WHERE GARBAGE TRUCK WENT OFF ROAD	W	
[illegible]	1259	AREA WHERE TRUCK WENT OFF BUFFALO HOLLOW	N	
[illegible]	1358	GRID G-7 AFTER SOIL REMOVAL	S	
[illegible]	1403	CMC BEGINS SOIL REMOVAL OF GRID H-12	SE	
[illegible]	1429	SOIL IS DELIVERED TO STOCKPILE #2	N	
[illegible]	1435	SOIL FROM GRID H-12 LOADED INTO OFF ROAD	N	
[illegible]	1546	GRID G-14 AFTER RAIN EVENT.	NW	

6-29-09

6-29-09 Mon — Todd Curtis

Photo #	Time	Description
3137	1557	Culvert installed at Grid 6-14 N Tac

1925 Start Curtis travels to Lexington to deliver soil samples to FedEx for delivery to SGS Laboratory. Start stops to package samples for final shipment and complete COC.

2057 Start delivers samples to FedEx.

2203 Start arrives @ Fairfield Inn + Suites.

6-29-09

6-30-09 Tues — Todd Curtis

0700 Start @ Hotel submits weekly work order to start Duluth for review, decons sampling equipment, and downloading datatram files.

0732 Start Curtis discusses weekly work order w/ Start Duluth.

0800 Start arrives @ Goodyear Dump Site. CMC has delivered Case 650K bulldozer to the site.

0815 KKS delivers load of fill dirt and stages @ D-2 for backfill. This is the second load delivered. Excavation cell D-2 has been lined w/ geotextile fabric in preparation of backfill activities.

0830 Start zero/initializes datatram units. Units 1, 3, and 4 check normal. Unit 2 is not functional properly.

0900 Start begins backfilling excavation cell D-2.

0930 Start initiates run on unit 1 @ Mr. Pritchard Sr's residence.

0945 Start initiates run on unit 3 and places @ Mr. Pritchard Sr's residence.

1000 Start runs unit 2 (old unit 1) and places @ SE end of Mr. Pritchard's garden.

1015 Runs unit 4 and places @ SE end of excavation cell J-11.

6-30-09

6-30-09 TUES — TOM CURTIS

1100 KEI DELIVERS LOAD OF FILL DIRT AND STAGES @ CELL D-2.

1130 KEI DELIVERS LOAD OF FILL DIRT AND STAGES @ CELL D-2.

1205 CMC FINISHES SOIL REMOVAL OF EXCAVATION CELL I-11.

1215 KEI DELIVERS LOAD OF FILL DIRT AND STAGES

1230-1300 ALL CREWS TAKE LUNCH.

1300 CMC COMPLETES CLEAN UP ACTIVITIES @ EXCAVATION CELL H-12.

1315 KEI DELIVERS LOAD OF FILL DIRT AND STAGES @ CELL D-2.

1347 KEI DELIVERS LOAD OF FILL DIRT AND STAGES @ CELL D-2.

1415 KEI DELIVERS LOAD OF FILL DIRT AND STAGES @ CELL D-2.

1451 CMC FINISHES SOIL PREP OF EXCAVATION CELL N-12

1507 KEI DELIVERS LOAD OF FILL DIRT AND STAGES @ D-2.

1512 CMC BEGINS REMOVING DEBRIS FROM AROUND EXCAVATION CELL F-11.

1558 KEI DELIVERS LOAD OF FILL DIRT AND STAGES @ CELL D-2.

1705 START COLLECTS A MULTI-SAMPLE COMPOSITE

6-30-09

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PAGE	REFERENCE	DATE
	GOODYEAR DUMP SITE	

6-30-09 TUES

TODD CURTIS

of STOCKPILE #2 FOR DISPOSAL PROFILING.

1708 KEI DELIVERS LOAD of FILL DIRT AND STAGES @ D-2.

1721 START PARKS COOLER w/ PROFILING SAMPLE AND ICE FOR SHIPMENT TO FEDEX.

1729 START COLLECTS DATARAM UNITS AND TERMINATES RUN CYCLES.

1749 SITE SECURED, ALL PERSONNEL off SITE, END of WORK DAY.

1945 - 2030 START CURTIS DELIVERS PROFILING SAMPLES TO FEDEX. TWELVE LOADS (7@ 26405/5@ 24405) FILL

PHOTO #	TIME	DESCRIPTION	O P
3138	0917	KEI DELIVERS FILL MATERIAL	SW
3139	0917	GEOTEXTILE FABRIC IN GRID D2	SW
3140	0932	CMC BACKFILLS GRID D-2	SW
3141	0947	CMC REMOVES SOIL FROM GRID H-12	NW
3142	1130	CMC ADDS A SECOND CELL TO STOCKPILE #2	NW
3143	1131	SECOND CELL off STOCKPILE #2	W
3144	1446	KEI DELIVERS FILL MATERIAL	SW
3145	1512	CMC CLEARS DEBRIS FROM GRID F-11	NE
3146	1520	CMC CLEARS DEBRIS FROM GRID F-11	N
3147	1521	GRID H-12 AFTER SOIL REMOVAL	SE
3148	1521	GRIDS I-11 AND J-11	SW
3149	1708	KEI DELIVERS FILL MATERIAL	

6-30-09

7-1-09 WED

TODD CURTIS

0730 START CURTIS ARRIVES @ GOODYEAR DUMP SITE.

0809 START ZERO / INITIALIZES DATARAM UNITS - 1, 3, 4

ALL UNITS TEST NORMAL.

0812 UNIT 1 STARTED AND PLACED @ MR. PRICHARD JR'S RESIDENCE.

0830 UNIT 3 STARTED AND PLACED @ MR. PRICHARD SR'S GARDEN.

0832 UNIT 4 STARTED AND PLACED @ SE END of EXCAVATION CELL J-11.

0849 UNIT 2 STARTED AND PLACED @ MR. PRICHARD SR'S RESIDENCE.

0847 KEI DELIVERS LOAD of FILL DIRT @ D-2. TWO LOADS DELIVERED PREVIOUSLY ~~DELIVERED~~.

0908 KEI DELIVERS LOAD of FILL DIRT @ D-2.

1005 KEI DELIVERS LOAD of FILL DIRT @ D-2.

1007 START WARMS UP NITON XL700 AND PERFORMS SHUTTER CAL. START PERFORMS CALIBRATION USING NIST STANDARDS.

XRF READING #	STANDARD	READING
63	NIST 2709 - LOW	32.8
64	NIST 2711 - MED	1010
65	NIST 2710 - HIGH	6600

1022 KEI DELIVERS LOAD FILL DIRT AND STAGES @ D-2.

1038 START UTILIZES NITON XL-700 TO SCREEN

7-1-09

7-1-09 WED — Todd Curtis

Excavation Cell F-11. Readings:

XRF Reading #	Reading
66	70
67	<25
68	29.1
69	<26
70	151
71	103

1115 Soil screening results indicate that lead levels are below the RAL of 400 ppm. Excavation ~~Sample~~ cell F-11 is complete. CMC prepares to set up on Excavation Cell N-9.

1120 KEI delivers load of fill dirt and places near G-7.

1130 Start off site to contact SGS Laboratory regarding the results of the samples. Preliminary results indicated:

Sample #	Excavation Cell	Analyzer Cont.	Result
GTD-CS-05	G-14	1248	225 ppb
GTD-CS-05-DUP	G-14	1248	366 ppb
GTD-CS-04	G-7	1260	71 ppb
GTD-CS-07	N-12	N/A	BDL
GTD-CS-08-R1	I-11	1260	14 ppb

1211 Start returns to site. One load of soil delivered.

Todd 7-1-09

7-1-09 WED — Todd Curtis

1215-1245 All crews to lunch.

After lunch CMC continues soil removal of Excavation Cell N-9. A new soil stockpile (SS-3) has been started S/W of Excavation F-11.

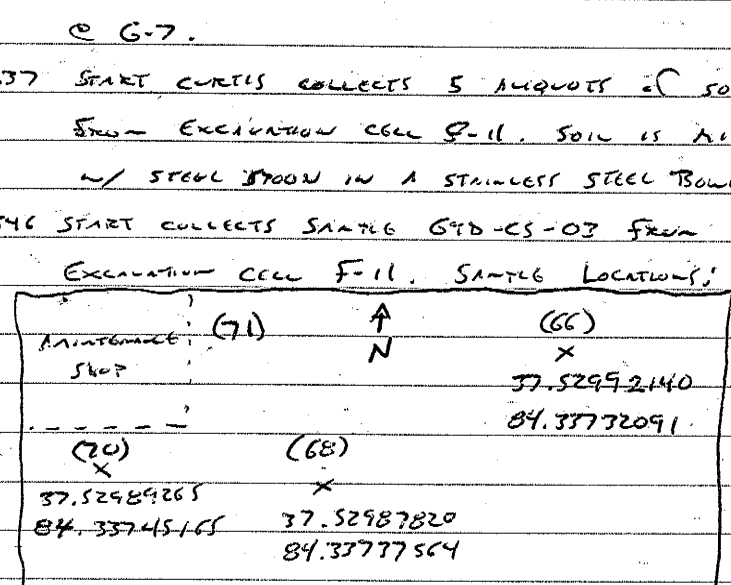
1251 Allied Inc. delivers load of DEA to site.

1256 KEI delivers load of fill dirt and stages @ G-7.

1321 KEI delivers load of fill dirt and stages @ G-7.

1337 Start Curtis collects 5 aliquots of soil from Excavation Cell F-11. Soil is mixed w/ steel spoon in a stainless steel bowl.

1346 Start collects sample GTD-CS-03 from Excavation Cell F-11. Sample locations:



Todd 7-1-09

7-1-09. WED — TODD CURTIS

1421 KEI DELIVERS LOAD FILL DIRT @ G-7.

1439 KEI DELIVERS LOAD FILL DIRT @ G-7.

1440 START CURTIS UTILIZES MOBIL XL700 TO SCREEN SOILS IN EXCAVATION CELL H-9 FOR LEAD.

SCREENING RESULTS:

XRF READING #	READING
72	279
73	34.8
74	19.3
75	438
76	69.6

1536 KEI DELIVERS LOAD FILL DIRT @ G-7.

1608 START COLLECTS 5 ALIQUOTS FROM EXCAVATION CELL G-14. AFTER AN ADDITIONAL FOOT OF SOIL WAS REMOVED DUE TO THE ELEVATED SAMPLE RESULTS FOR PCB'S. THE ALIQUOTS ARE PLACED IN A STAINLESS STEEL BOWL AND MIXED THOROUGHLY W/ STEEL SPOON.

1612 START COLLECTS SAMPLE G4D-CS-08-R1. ALIQUOT LOCATIONS ARE DESCRIBED IN THE FOLLOWING DIAGRAM.

7-1-09

7-1-09 WED — TODD CURTIS

N

37.52978529	37.52579933
84.33689606	84.33679730
37.52973195	
84.33684750	
37.52969700	37.52968905
84.33691604	84.33680425

1618 KEI DELIVERS FILL DIRT @ G-7.

1700 START COLLECTS 5 ALIQUOTS OF SOIL FROM EXCAVATION CELL H-9. ALL ALIQUOTS ARE PLACED IN A STAINLESS STEEL BOWL AND MIXED THOROUGHLY W/ STEEL SPOON.

1704 START COLLECTS SAMPLE G4D-CS-07 FROM H-9. ALIQUOT LOCATION:

N

37.52966219	37.52964922
84.33779389	84.33766977
37.52959888	
84.33773827	
37.52957048	37.52954920
84.33780269	84.33765928

7-1-09

7-1-09 WED — TODD CURTIS

1720 START COLLECTS DATA FROM UNITS AND PRESS THE— MAT. 44 LOADS (7E26/7E24) FILL

1904 SITE SECURED ALL PERSONNEL OFF SITE

2130 - 2215 START DELIVERS SAMPLES TO FEDEX FOR SHIPMENT TO THE LABORATORY. END OF WORK DAY.

~~3150~~ PHOTO #	TIME	DESCRIPTION	O P
3150	0901	CMC REMOVES STUMP FROM GROUND S TMC	
3151	1445	CMC WRAPPING UP CELL N-9 NE	
3152	1678	'TEST' CELLS DUG IN CELL G-14 NE	
3153	1639	CMC BACKFILLS CELL H-12. W	

7-1-09

7-2-09 THURS — TODD CURTIS

0700 START CURTIS ARRIVES @ GOODYEAR DUMP SITE. CMC IS BACKFILLING 'CLEARED' EXCAVATION CELLS W/ FILL DIRT, GRADING THE ACCESS ROAD, AND PERFORMING GENERAL HOUSEKEEPING IN PREPARATION FOR THE JULY 4TH WEEKEND SHUTDOWN.

0751 CMC USES CASE BULLDOZER TO BACKFILL EXCAVATION CELL G-7. SOIL STOCKPILE #2 IS COVERED W/ PLASTIC.

0823 OFF ROAD TRUCK HAS BEEN DECONNED AND IS REMOVED FROM SITE.

0848 CMC BACKFILLS EXCAVATION CELL N-12 W/ CASE BULLDOZER.

0915 CMC ADDS DGA TO MR. PRICKETT SITE'S DRIVEWAY TO FILL IN EROSION RUTS.

0936 CMC CONTINUES TO BACKFILL EXCAVATION CELL N-12. CMC BEGIN TO PUT UP FENCES AROUND OPEN EXCAVATION CELLS.

1109 CMC HAS COMPLETED CONSTRUCTION FENCE AROUND OPEN CELLS.

1118 SOIL STOCKPILE #3 HAS BEEN COVERED W/ POLY.

1124 CMC DELIVERS A YANMAR DUMP TO THE ~~SITE~~ AND THE CAT 312CL IS DECONNED AND LOADED ON TRAILER.

7-2-09

7-2-09 THURS — TODD CURTIS

1134 CAT 325CL off site.

1200 SITE IS SECURED ALL PERSONNEL EXCEPT ETA AND TWO CMC off SITE, START DEPARTS SITE for CMC office IN NICHOLASVILLE, KY to DROP off EQUIPMENT.

1308 START ARRIVES @ CMC office IN ~~NIC~~ NICHOLASVILLE, KY. ALL DAILY WORK, ~~WAT~~, AND TRIMTIME TIMES ON CHANGE.

1324 START DEPARTS CMC office for LOUISVILLE KY.

1551 START ARRIVES @ LOUISVILLE office. END of WORK DAY. NO LUNCH WAS TAKEN TODAY.

PHOTO #	TIME	DESCRIPTION	O	P
3154	0751	CMC BACKFILLS GRID G-7	SE	TWC
3155	0751	STOCKPILE #2 COVERED w/ TOLT	N	
3156	0753	GRID H-12 PARTIALLY BACKFILLED	NE	
3157	0848	CMC USES BULLDOZER TO BACKFILL GRID H-12 S		
3158	0915	CMC REPAIRS DAMAGE TO TRUCKER DRIVEWAY S		
3159	0935	CMC BACKFILLS GRID H-12	SE	
3160	0935	CMC BARRICADES GRID I-11	SW	
3161	1109	BARRICADE FENCE AROUND GRID G-14	NE	
3162	1110	BARRICADE FENCE AROUND GRIDS H-12, I-11, J-11	SW	
3163	1118	STOCKPILE #3 COVERED w/ TOLT	NE	
3164	1124	CMC DELIVERS YANMAR WAGON	W	

7-2-09

~~7-2-09~~ 7-2-09 THURS — TODD CURTIS

PHOTO #	TIME	DESCRIPTION	O	P
3165	1125	YANMAR WAGON AND CASE BULLDOZER	SW	TWC
3166	1127	CMC REMOVES TRACK EXCAVATOR	W	

7-2-09

07/07/09 Tuesday

0705- START Roden arrives on site. Speaks w/ CMC Jaekel. CMC will re-dig cell G-14 and take down fence. START initializes DataRAMs. Only two of the three units seems to be operating properly.

0800- DataRAMs deployed. One of the newer model RAMs is acting quirky. START will try to troubleshoot and replace older model w/ newer DataRAM4.

0814- CMC Jaekel has crewman digging a clean out area around septic tank around grid F-3, the last cell to be excavated. CMC will have someone to come in and drain septic tank and lateral lines for precautionary measures before digging F-3. Crew is digging G-14 to excavate hot hits from analysis. In addition, CMC will dig 'pockets' around G-14 to address concerns from KDEP. Backfill loads are anticipated to come in to cover remaining exposed grids, may not be completed today.

0830- KEI arrives w/ two truck loads of backfill

0840- START replaces older DataRAM model w/ newer model near garden. CMC has five crewman on-site today. Two crewman excavating G-14, one crewman digging around septic, and one crewman guiding dump (backfill) trucks to and from site. CMC Jaekel is the foreman.

0900- START calls TT Jessica Vickers to check on results from analysis on grids F-11, G-14 & H-9. She

C. Roden

07/07/09 Tuesday

has not heard anything from the lab. and proceeds to call lab.

0930- START Roden speaks w/ OSC Ceron. He wants to make sure we check
- damage incurred to roads from dump trucks @ the EOD.
- make sure we have proper PPE for sampling and excavating F-3 tomorrow.
- deploy an additional DataRAM (4th)
- Check amount of trucks coming onto site.
- CMC has per diem sign-off sheets for residents that will be relocated during excavation of F-3.

0945- KEI arrives w/ third truck of backfill

1000- A & A Sanitation arrives to drain septic tank on Mr. Pritchard Jr's property. (Excavation purposes on F-3) KEI arrives w/ fourth truck of backfill.

1050- KEI arrives w/ fifth truck. CMC uses skidsteer to load gravel and place in holes created and worsened by dump trucks.

1117- KEI arrives w/ sixth truck.

1200- START breaks for lunch.

1230- START back on-site. KEI had an additional two trucks making the total = eight trucks today.

1325- KEI arrives w/ ninth truck

1345- KEI arrives w/ tenth truck.

1430- CMC Janice arrives to go over paperwork w/ residents Clyde Pritchard Jr. and Family.

07/07/09 Tuesday

1445- KEI arrives w/ eleventh truck. CMC escorts relocated residents to hotel to check them in and make sure everything goes smoothly for residents. START checks on DataRAMs to make sure units are still working properly. DataRAM S/N # D709 has been placed in front of Clyde Pritchard Jr's house. DataRAM S/N # D708 has been placed north of the garden located SE of Clyde Jr's house DataRAM S/N # D710 has been placed on the SE corner of grid G-7.

1500- KEI arrives w/ twelfth truck.

1510- Older model DataRAM S/N # 2624 has been placed on the SE corner of Mr. Clyde Pritchard Sr's home. All units seem to be operating properly.

1515 CMC Jaekel has received information that Stockpile #2 has passed analysis to be placed in a non-haz landfill.

1600- KEI arrives w/ thirteenth truck.

1615- KEI arrives w/ fourteenth truck.

CMC finishes excavating G-14 and decides to start F-3 first thing in the morning.

1700- CMC off site

1725- START offsite headed to hotel to charge and download DataRAM data.

C. Rodu

07/08/09 Wednesday

0703- START arrives on-site. CMC and one KEI truck already on-site. KEI has delivered first load of backfill this morning. START zero and initializes DataRAMs.

0727- KEI delivers second truck load. CMC Jaekel says the plan today is to excavate F-3 and carry excavated dirt to stockpile #3. START will place DataRAMs in the same locations as yesterday. Although excavation is taking place in another location, the DataRAMs are still set in good locations to catch any stirred up particles between equipment and residents. Five crewman from CMC are on-site today: Bill Jaekel, Foreman; Robbie Neal, equipment; Jarred Neal, digging lateral lines and running smaller piece of equipment; Ricky Welch, main excavator; Wesley ; escorts dump trucks in and out of site. CMC Jarred Neal will dig to the faulty lateral line and CMC will replace it before excavating F-3.

0745- Since DataRAM D708 is acting quirky, START will place D709 north of Clyde Prichard Jr's garden where D708 was placed yesterday. A good unit will need to be in the garden location since it is the buffer zone between F-3 excavation and residential properties SE of site. Once START can troubleshoot D708, it will be placed in front of Prichard Jr's

C. Rodu

07/08/09 Wednesday

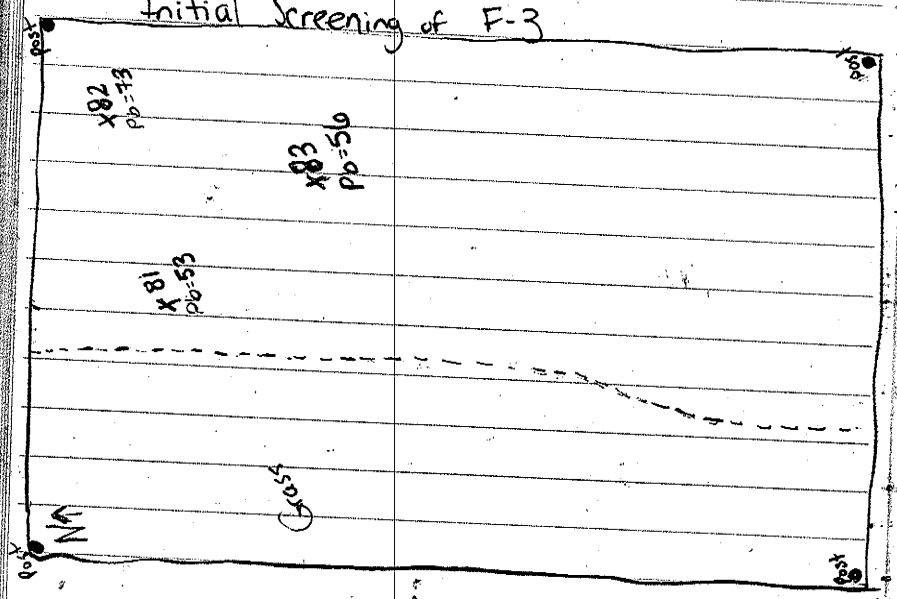
home since residents have been temp. relocated.

0800- CMC Jaekel informs START that the lateral line that is messed up was never installed correctly. He is waiting to consult OSC Ceron that it might be best to replace all lateral lines. This particular lateral line gives good indication the other lateral lines have also been installed incorrectly.

0815- KEI delivers third truck load

0825- START and CMC Jaekel will take XRF readings of the 6" scraped surface of F-3.

Initial Screening of F-3



0845- KEI delivers fourth truck load.

C. Roden

07/08/09 Wednesday ~~Thursday~~

0900- CMC Jaekel has ordered two loads of gravel. One load is to act as filter rock for lateral line correction installation, the other load will be used to fill in holes created by dump trucks. CMC will excavate cell F-3 completely before repairing lateral lines.

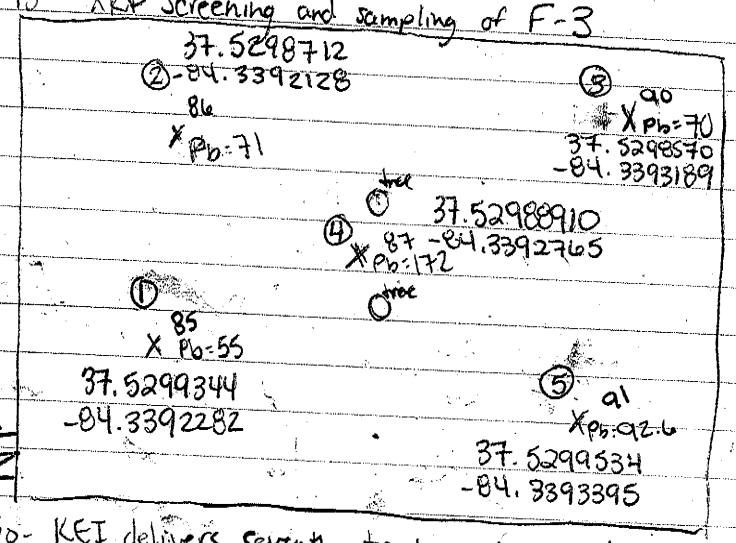
0915 Weather; Sunny high of 86°F

0925 KEI delivers fifth truck load.

0950- KEI delivers sixth truck. Gravel truck arrives with a load of 57's. The Allen Co. Inc. 606-965-3151.

1000- START amends HASP for working near faulty sewage lines

1015- XRF screening and sampling of F-3



1100- KEI delivers seventh truck and The Allen Co delivers 2nd load of gravel = dense grade for road

C. Roden

07/08/09 Wednesday

1150 - KEI delivers eighth truck

1200 - START leaves site to pick up sample equipment shipment from lab sent to hotel.

1230 - START breaks for lunch

1300 - START arrives back on-site and KEI is delivering a truck load of backfill (12th). START decons bowls and spoons then performs a rinsate ~~and field~~ (CR) blank.

1426 - KEI delivers thirteenth truckload.

1440 - Excavation on F-3 has been halted until lab analysis for F-3 have been received. One exception, after sample is collected, START will screen homogenized sample w/ XRF. If XRF screening is below action level then nothing will be done to grid until results are back; however if XRF hits high screening then CMC may excavate further.

1445 - START collects soil sample from F-3. KEI delivers fourteenth truck load.

1550 - CMC crew except Bill Jaekel has left site for the day. All back fill delivered today has been moved into grids I-11 & J-11. START gathers Data RAMs. XRF showed below action levels.

1615 - START leaves site headed to store for sample shipment materials ~~and to hotel to pack coolers w/ samples~~ (CR)

C. Rodd

~~1645~~ 07/08/09 Wednesday

1645 - START leaves store w/ packing supplies headed for FedEx in Lexington.

1725 - START arrives at FedEx and prepares samples for shipment.

1815 - START leaves FedEx headed for hotel.

1835 - START arrives at hotel and unloads equipment, downloads data and puts equipment on charge.

1905 - EOD

C. Rodd

07/09/09 Thursday

0700- START arrives on-site and CMC is here. Initialize and zero out DataRAMs. After speaking w/ CMC Jaekel, CMC will not be excavating any grids or loading and unloading any contaminated soil. Thus, DataRAMs should not be necessary today.

0715- CMC Welch is running skidsteer to smooth out dense grade gravel on road from any damage that may have incurred from backfill trucks. CMC's activities today entail guiding backfill trucks in and out of site, ~~and~~ fixing any damage on roads and back filling the rest of I-11 + J-11.

0745- KEI delivers first truck load of backfill. CMC has two crewman on the site today: Ricky Welch and Robbie Neal. START makes a walk through of site to take pictures and check status of grids. F-3 is approx 6" deep throughout, F-11 is approx 3" deep throughout and uncovered, G-7 is halfway filled w/ backfill the SW corner and the western wall is still completely exposed at 12". H-9 is 3/4 complete the entire grid is approx. 3" deep from surrounding ground surface. I-11 & J-11 are are almost completely filled and covered w/ backfill. H-12- is complete w/ exception of drainage ditch. G-14 is completely exposed at approx 3-4'.

C. Rod

07/09/09 Thursday

0810- KEI delivers second truck load. CMC Welch spreads backfill as it comes in (grids I-11 & J-11).

0830- Weather: High 84°F. cloudy and sprinkling in the a.m.

0900- KEI arrives w/ third truck load.

0925- KEI arrives w/ fourth truck load.

0930- After speaking w/ OSC Ceran, START will deploy two DataRAMs at Mr. Prichard Sr's home and downwind b/t other residential properties. D709 has been placed north of Prichard Jr's garden. D710 is on the SE corner of Prichard Sr's home.

1015- START prepares to sample stockpile #3. KEI delivers fifth truck load.

1030- START samples stockpile #3

1040- KEI delivers sixth truck load.

1130- KEI delivers seventh truck load.

1145- KEI delivers eighth truck load.

1210- START breaks for lunch.

1310- START back on-site.

1315- KEI arrives w/ a truck load. (10th)

1410- KEI arrives w/ a truck load. (11th)

1430- KEI delivers 12th truck load.

1520- KEI delivers 13th truck load

C. Rod

07/09/09 Thursday

1550 - KEI delivers 14th load of the day.

1630 - KEI delivers last truck load of the day (15)

1640 - START gathers DataRAMs.

1645 - CMC off-site.

1700 - START off-site

1730 - START ~~places~~ downloads data off DataRAMs and places them on charge.

07/10/09 Friday

0715 - START arrives on-site. CMC is excavating area around sewage lines. START initializes and zeros out DataRAMs.

0730 - START deploys DataRAMs. D710 is south of I-11 + J-11. D709 is north of Prichard Jr's garden. Older model# 2624 has been placed on SE corner of Mr. Prichard Sr's home. D708 is not operating properly. START will try to troubleshoot problem before Mr. Prichard Jr and family move back into their home after sewage lines have been repaired.

0750 - KEI delivers truck load of backfill (1)

0805 - KEI delivers second truck load. CMC have six men on-site today including Bill Jaekel. Two men are on the sewage lines, one crewman running the large excavator, one crewman obtaining supplies and one crewman guiding trucks in and out of site.

0810 - Weather; High 92°F and humid. Sunny

0830 - CMC ~~Jake~~ Jaekel informs START there is a 70% chance site activities will not take place tomorrow. Lab is indicating there are slightly elevated levels of in stockpile #2. A TCLP will be ordered. Site activities today entail sewage line

07/10/09 Friday

repair and installation, Backfill loads being hauled in and spread to remaining exposed grids, and culvert reparation.

0854. Verbal communication w/ lab; the final result for lead on F-3 is 107

0900 - START prepares Trimble to check that all 'hot' spots have been excavated as instructed by OSC Ceron.

0915 - KEI delivers third truck load.

0930 - KEI delivers fourth truck load.

1025 - KEI delivers fifth truck load.

1040 - START leaves site to check out of hotel in case work will not commence tomorrow.

1145. START back on-site.

1215 - KEI delivers truck load.

1230: START will take photographs and gps coordinates for five small flagged areas that's been designated as hot and needs removal.

Location	Photo	GPS Coords
• South of Stockpile 3	DSCN0043	37.52979404
orientation: North		-84.33763288
• West of G-14	DSCN0032	37.52967071
Orientation: Westerly South		-84.33706996
• North of G-14	DSCN0044	37.52983941
orientation: North		-84.33681028

C. Rod

07/10/09 2 Friday

~~KEI~~ delivers 2 truck loads of gravel. The Allen Co

'Hot' spots cont.

Location	Photo	GPS Coords
• South of road	DSCN0045	37.52995903
at culvert orientation: South		-84.33829730
• West of Prichard	DSCN0042/South	37.53009918
Jr home b/t stockpile #1		-84.33919955

1320 - KEI delivers truck load #10.

1420 - KEI delivers truck load #11 and The Allen Co. delivers two truck loads of gravel.

1430 - KEI delivers truck load #12

1530 - KEI delivers truck load #13

1600 - KEI delivers truck load #14

CMC is finished repairing the sewage lines and covered w/ filter rock. Felt/Liner is placed over gravel so that mud doesn't seep through it.

1610 - START rides the truck route w/ CMC Jaekel to view damages incurred by dump trucks.

1630 - CMC ~~Jaekel~~ Welch back fills sewage trench lines and excavated grid F-3.

1640 START gathers DataRAMs. KEI delivers truck #15.

C. Rodes

07/10/09 Friday

Photo Log for Week ending July 10, 2009

Photo #	Date/Time	Description
DSCN0014 P:CR O:NW	07/07 0940	CMC Jarred Neal carries contaminated soil from G-14 to stockpile #3.
DSCN0015 P:CR O:NE	07/07 0940	CMC Ricky Welch excavates grid G-14
DSCN0016 P:CR O:East	07/07 1429	CMC Janice has resident Brenda Prichard to sign off on perdiem and relocation to hotel.
DSCN0017 P:CR O:North	07/07 1459	KEI dumps a load of backfill North of I-11/J-11
DSCN0018 P:CR O:N/A	07/08 0757	Initial uncovering of Lateral/Sewage lines
DSCN0019 P:CMC BJ O:N/A	07/08 0757	
DSCN0020 P:CMC BJ O:N/A	07/08 0757	
DSCN0021 P:CR O:SE	07/08 0758	CMC Ricky Welch excavates grid F-3
DSCN0022 P:CR O:South Easterly	07/08 1115	CMC Welch ~~[illegible]~~ dumps excavated soil into 'track truck'.
DSCN0023 P:CR O:West	07/09 0728	CMC Welch spreads gravel in drive to help correct damage caused by heavy equipment and dump trucks.

C. Rod

07/10/09 Friday

Photo Log cont.

Photo #	Date/Time	Description
DSCN0024 P:CR O:SE	07/09 0729	Exposed grid F-3
DSCN0025 P:CR O:SW	07/09 0730	Exposed/Excavated grid F-3
DSCN0026 P:CR O:North	07/09 0732	Stockpile #2 completely covered
DSCN0027 P:CR O:		
DSCN0028 P:CR O:	07/09 0736	Exposed/Excavated grid F-11 partially back filled
DSCN0029 P:CR O:East Northerly	07/09 0737	Exposed/Excavated grid G-14 partially back filled.
DSCN0030 P:CR O:	07/09 0737	Grids I-11/J-11 Completely back filled
DSCN0031 P:CR	07/09 0739	
DSCN0032 P:CR O:W	07/09 1326	"Hot Spot" west of G-14
DSCN0033 P:CR O:East	07/09 1326	G-14 partially complete w/ backfill
DSCN0034 P:CR O:SE	07/10 0754	CMC works to repair sewage lines

C. Rod

07/10/09 Friday

Photo Log cont.

Photo #	Date/Time	Description
DSCN0035	07/10 0830	Cmc dig
P.CR O: South		
DSCN0036		
P.CR O: SE		
DSCN0037-0040	07/10 AM	
P.CR O: SE		
DSCN0038	07/10	
P.CR O: South		

1700 - D710 seems to be malfunctioning as START attempts to download data. The unit has j's across the entire interface. Unit cannot be turned off even by holding in the ON/OFF button.

1715 START demobs from site for week. CMC will be leaving shortly.

7-13-09 MON TODD CURTIS

0540 START CURTIS DEPARTS LOUISVILLE, KY FOR GOODYEAR DUMP SITE IN BEREA, KY.

0720 START ARRIVES @ GOODYEAR DUMP SITE. EPA 0-0. CMC ARE PLANNING TO HAVE SOIL ~~SE~~ REMOVED FROM STOCKPILE #1 TO THE MONTGOMERY COUNTY LANDFILL LOCATED @ 30 LARISON ROAD, JEFFERSONVILLE, KY 40339.

0740 TRUCKS FROM RED RIVER RANCH, WASTE HAULER, FROM STANTON, KY ARRIVE ON SITE. TWO TRUCKS ARRIVE, RR-35 AND RR-06. CMC LOADS RR-35 w/ WASTE SOIL.

0752 TRUCK RR-35 DEPARTS SITE FOR THE LANDFILL. CMC BEGINS LOADING TRUCK RR-06 w/ THE SECOND LOAD OF WASTE SOIL.

0800 TRUCK RR-06 DEPARTS SITE FOR THE LANDFILL.

0814 TWO MORE RED RIVER TRUCKS, RR-37 AND RR-03 ARRIVE ON SITE. CMC BEGINS LOADING RR-37.

0828 TRUCK RR-37 DEPARTS SITE FOR THE LANDFILL. CMC LOADS TRUCK RR-03.

0836 TRUCK RR-03 DEPARTS SITE FOR THE LANDFILL.

0841 START ZERO/INITIATES DATARAM UNITS.

0850 START PLACES UNIT 4 @ MR. PRICHARD SR'S. RESIDENCE. UNIT 1 IS PLACED @ MR PRICHARD SR'S. RESIDENCE.

7-13-09

7-13-09 MON — TODD CURTIS

0908 START CALIBRATES NITON XL 700 XRF USING THE FACTORY SUPPLIED NIST STANDARDS.

XRF READING #	NIST STANDARD	READING
96	LOW	27.4
97	MED	1040
98	HIGH	5490

0930 START AND CMC SCREEN SOILS WEST OF EXCAVATION CELL G-14 FOR LEAD.

XRF READING #	READING	XRF READING #	READING
99	152	106	217
100	54.6	107	209
101	110	108	456
102	121	109	180
103	206	110	105
104		111	<149
105	403		

0938 RED RIVER RANCH TRUCK RR-35 AND RR-06 DELIVERED MATERIAL TO MONTGOMERY COUNTY LANDFILL AND ARE RETURNING TO SITE. TRUCK RR-35 WEIGHED 22.4 TONS AND TRUCK RR-06 WEIGHED 21.4 TONS.

1024 OSC CERON DISCUSSES PLAN TO OVEREXCAVATE EXCAVATION CELL G-14 TO THE WEST. THE PURPOSE WILL BE TO REMOVE DISCOLORED SOIL THAT APPEARS TO HAVE ORIGINATED IN CELL G-14.

7-13-09

7-13-09 MON — TODD CURTIS

1038 TWO RED RIVER RANCH TRUCKS ARRIVE ON SITE. TRUCKS RR-35 AND RR-06. CMC LOADS TRUCKS W/ MATERIAL FROM STOCKPILE #1.

1118 TRUCK RR-35 DEPARTS SITE FOR LANDFILL - LOAD #5

1122 TRUCK RR-06 DEPARTS SITE FOR LANDFILL - LOAD #6

1201 FEDEX DELIVERS DATARAM NDT-401. START ZERO/INITIALIZES UNIT.

1208 TRUCK RR-37 RETURNS TO SITE. CMC LOADS TRUCK W/ MATERIAL FROM STOCKPILE #1

1224 START RUNS DATARAM NDT-401 AND PLACES AT BREAK TENT.

1228 TRUCK RR-37 DEPARTS SITE FOR LANDFILL - LOAD #7

1230-1330 START OFF SITE FOR LUNCH.

1330 CMC HAS DUG OUT DRAINAGE CULVERT SOUTH OF FARM POND AS INSTRUCTED BY OSC CERON. AREA WAS NOT ONE OF EXCAVATION CELLS, BUT HAD HIGH PCB LEVELS ACCORDING TO 2004 REPORT. AREA WAS DUG IN ADDITION TO 9 ORIGINAL EXCAVATION CELLS.

1357 CMC PLACES METAL CULVERT INTO TRENCH AND BACKFILLS W/ DGA. ENDS ARE DUG OUT TO FACILITATE DRAINAGE.

1501 TWO ALLEN CO. TRUCKS DELIVER ROCK TO SITE - ONE TRUCK DGA AND ONE TRUCK CHANNEL LINER. CHANNEL LINER

7-13-09

7-13-09 MON — Todd Curtis

IS USED TO SHORE UP DRAINAGE AREAS.

1572 EPA, CMC, AND START DISCUSS NEED FOR OVEREXCAVATION OF EXCAVATION CELL G-14 TO THE WEST TO REMOVE STAINED SOIL SIMILAR TO THAT OBSERVED DURING SOIL REMOVAL OF G-14.

1600 STOCKPILE #1 HAS BEEN REMOVED EXCEPT FOR ~ ½ TRUCKLOAD AND STOCKPILE #2 AND STOCKPILE #3 HAVE NOT BEEN APPROVED FOR DISPOSAL. OSC CERON SENDS CMC HOME FOR THE DAY. START COLLECTS DATATRAN UNITS.

1621 EPA AND START OFF SITE.

1937 START DOWNLOADS DATATRAN UNITS AND PLACES UNITS ON CHARGE

2019 END OF WORK DAY.

PHOTO #	TIME	DESCRIPTION	O	P
3167	0738	LOAD OUT OF STOCKPILE #1	SW	TWC
3168	0743	CMC LOADS RED TAILS RANCH TRUCK	W	
3169	1357	CMC INSTALLS CULVERT INTO SITE ROAD	S	
3170	1357	CMC INSTALLS CULVERT INTO SITE ROAD	S	
3171	1413	CULVERT IS BACKFILLED W/ DGA	NE	
3172	1417	CMC CREATES DRAINAGE BASIN	NW	
3173	1417	CULVERT AREA IS COMPACTED	NW	
3174	1501	CHANNEL LINER DELIVERED TO SITE	NE	

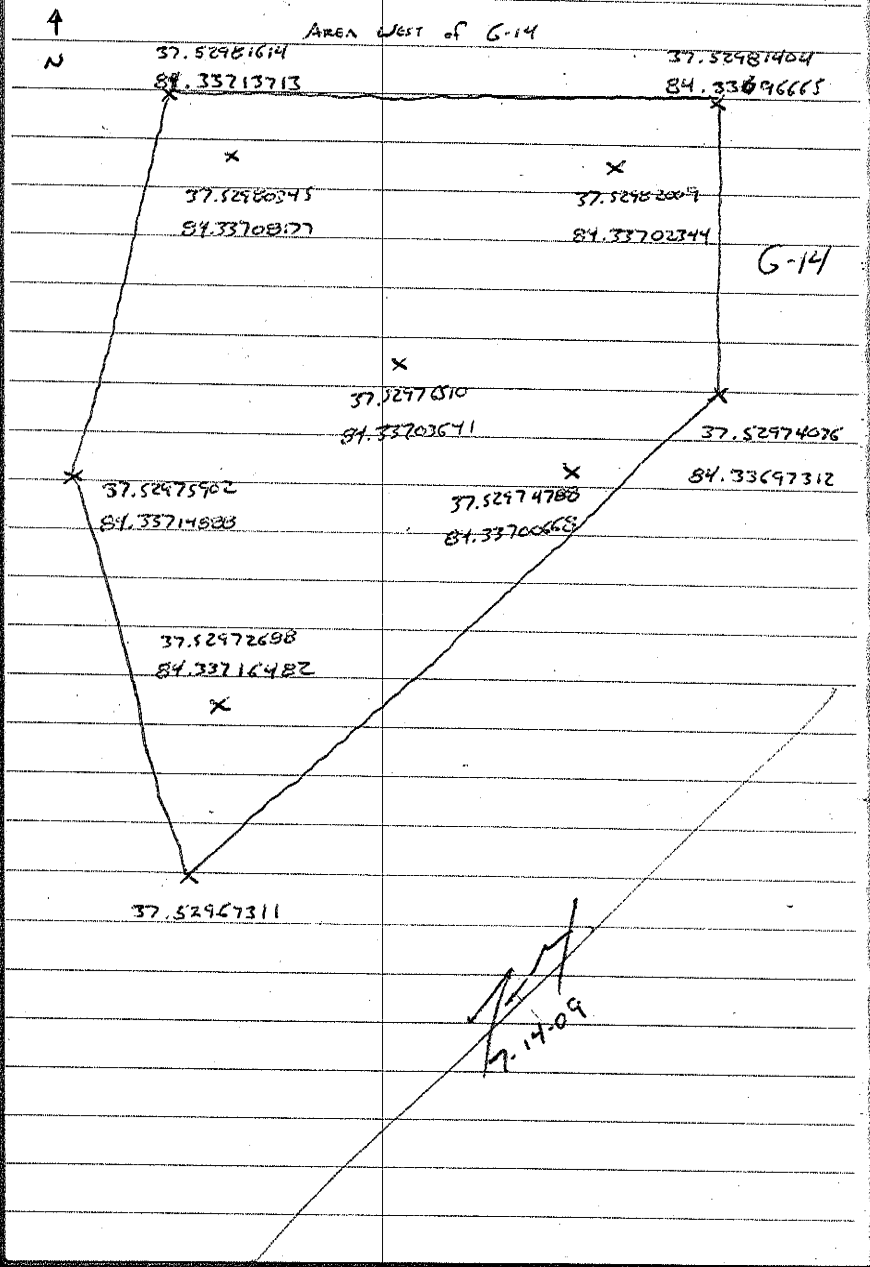
7-13-09

7-13-09 MON — Todd Curtis

PHOTO #	TIME	DESCRIPTION	O	P
3175	1501	CHANNEL LINER IS DELIVERED TO SITE	NE	TWC
3176	1503	CMC FILLS DRAINAGE BASIN W/ CHANNEL LINER		

7-13-09

7-14-09 TUES TODD CURTIS



7-14-09 TUES TODD CURTIS

WHAT APPEARS TO BE A TELEPHONE LINE TURNED ALONG BUFFALO HOLLOW ROAD. THE LOCAL PHONE PROVIDER WINDSTREAM WAS CONTACTED AND NOTIFIED OF THE PROBLEM. A SERVICE MAN WILL BE DISPATCHED BY WINDSTREAM NO LATER THAN 1441 TOMORROW (7/15). STARS PHOTOGRAPHED THE SEVERED TELEPHONE WIRE. CMC COVERED THE AREA W/ DGA TO COMPLETE THE HOLE AND KEEP CARS FROM RUNNING INTO IT.

1451 CMC DELIVERS A GRAPPLE ATTACHMENT TO THE SITE. THIS GRAPPLE WILL BE ATTACHED TO THE LINK BELT AND WILL BE UTILIZED TO CONSOLIDATE THE MISCELLANEOUS DEBRIS PILES THROUGHOUT THE SITE.

1605 DATARAM UNIT 1 RUN TERMINATED

1612 DATARAM UNIT 2 RUN TERMINATED

1614 DATARAM UNIT 3 RUN TERMINATED

1622 DATARAM UNIT 4 RUN TERMINATED

1644 OSC CERON WAS CONTACTED BY JUDGE BUZZ CARLOFTIS BERGA / ROCKCASTLE COUNTY JUDGE IN RESPONSE TO OSC CERON'S CALL TO COT KRAMER 606-256-2955 REGARDING CONCERN FOR THE INTEGRITY OF BUFFALO HOLLOW ROAD AND FLAT GAP ROAD DUE TO HEAVY EQUIPMENT TRAFFIC. JUDGE CARLOFTIS WAS SURPRISED THAT HE WAS NOT CONTACTED PRIOR TO COMMENCEMENT OF THE SUPERFUND ACTIVITIES AND THAT A BOND WOULD BE REQUIRED FOR THE

7-14-09

SUNNY 90°F

7-14-09 TUES

TODD CURTIS

0700 START CURTIS ARRIVE @ GPD

0715 START ZERO/INITIALIZE DATARAM UNITS

0728 START RUNS UNIT NOT-445 AND PLACES @ MR. PRICHARD SR'S RESIDENCE.

0730 START RUNS UNIT AND PLACES @ MR. PRICHARD SR'S RESIDENCE.

0732 START RUNS UNIT 7710 AND PLACES @ SE CORNER OF EXCAVATION CELL 5-11.

0738 CMC SET UP WEST OF 6-14 TO BEGIN SOIL REMOVAL AS AN EXTENSION OF 6-14 PER OSC CERON. CMC WILL USE LONG REET.

0757 CMC BACKFILL EXCAVATION CELL 5-11 TO CREATE A DIRECT PATH FROM 6-14 TO SOIL STOCKPILE #3.

0828 CMC BEGINS CLEARING BRUSH FROM THE AREA WEST OF 6-14.

0843 CMC BEGINS SCRAPING STAINED SOIL FROM AREA WEST OF 6-14.

0858 CMC USES YANMAR TO TRANSPORT SOIL FROM 6-14 AREA TO STOCKPILE #3.

0910 ALTHOUGH NO TRUCKS ARE RUNNING TODAY, STARD PLACES OLDER DATARAM UNIT @ THE SOUTHERN EDGE OF MR. PRICHARD'S SR. GARDEN.

0926 START OFF SITE TO BOREN TO CALL START DULUTH.

7-14-09

7-14-09 TUES

TODD CURTIS

1015 START RETURNS TO SITE. CMC CONTINUES TO SCRAPE SOIL FROM THE AREA WEST OF CELL 6-14.

1132 CMC COMPLETES SCRAPING SOIL FROM THE AREA WEST OF CELL 6-14. APPROX. 12" OF SOIL REMOVED

1223 CREWS BREAK FOR LUNCH.

1238 CMC REMOVES STEEL CORRUGATED PIPE FROM ROAD NEAR CELL 6-7. THE PIPE HAD BECOME CRUSHED BY HEAVY EQUIPMENT TRAFFIC.

1310 STARD PREPARES TO COLLECT SOIL SAMPLE FROM AREA WEST OF CELL 6-14.

1319 CMC PREPARES A PLATFORM OF SOIL AT THE END OF STOCKPILE #2 TO FACILITATE RED RIVER RANCH TRUCK LOAD OUT.

1328 START COLLECTS SOIL SAMPLE FROM THE AREA WEST OF EXCAVATION CELL 6-14. SAMPLE WILL BE SHIPPED TO SGS FOR PCB AND LEAD ANALYSIS. GPS COORDINATES OF THE SCRAPE AREA AND ALIQUOT LOCATIONS ARE IDENTIFIED ON PAGE 36 OF THIS LOGBOOK.

1422 CMC SHORES UP A SOFT AREA AT THE ENTRANCE TO THE SITE. THIS WILL HELP MINIMIZE DAMAGE TO BUFFALO HOLLOW ROAD. A LAYER OF CHANNEL LINER IS PLACED AS A BASE AND IS OVERLAYED W/ GRAVEL. DURING THE EXCAVATION CMC CUT

7-14-09

7-14-09 TUES — Todd Curtis

ROAD AND WE NEED TO CONTACT THE EMERGENCY ~~ATTACHMENT~~ RESPONSE COORDINATOR DAVID COLSON 606-256-8436 BECAUSE HE SHOULD BE INFORMED OF THE SUPERFUND ACTIVITIES. OSC CERON INDICATED HE WOULD NOT BE CALLING MR. COLSON. BECAUSE UNDER FEDERAL SUPERFUND AUTHORITY THIS PROJECT IS NOT REQUIRED TO OBTAIN A BOND OR PERMIT. JUDGE CARLOFTIS INDICATED HE WOULD CALL OSC CERON LATER.

1705 DAVID COLSON CONTACTED OSC CERON AND REQUESTED INFO ON THE PROJECT. OSC CERON DIRECTED MR. COLSON TO THE EPA SITE PAGE ON THE INTERNET. MR. COLSON AGREED TO A MEETING ON SITE @ 0900 ON 7/15.

1730 EPA, CAC, AND START DEPART SITE.

2115-2315 START CURTIS DOWNLOADS DATA FROM UNITS AND TURNS UNITS ON CHARGE. SOIL SAMPLE PACKAGED IN COOLER AND TAKEN TO FEDEX.

PHOTO GRAPH #	TIME	DESCRIPTION	O P
3177	0757	CAC BACKFILLING GRID F-11	N Take
3178	0829	CAC REMOVES DEBRIS FROM GRID G-13	N6
3179	0849	CAC REMOVES DEBRIS FROM GRID G-15	W
3180	1308	GRID G-13 AFTER 6" SCRAPE	W
3181	1422	CAC REPAIRS SITE ENTRANCE ROADWAY	W

7-14-09

7-14-09 — Todd Curtis

PHOTO #	TIME	DESCRIPTION	O P
3182	1440	CAC REPAIRS SITE ENTRANCE ROADWAY	N6 Take
3183	1440	CAC CLIPPED A TELEPHONE WIRE	W
3184	1441	CAC REPAIRS SITE ENTRANCE ROADWAY	SE
3185	1456	CAC DELIVERS GRATING ATTACHMENT	SE

7-14-09

Sunny 90°
Chance of Rain

7-15-09 WED — Todd Curtis

0630 START CURTIS ARRIVES @ 64b

0645 START ZERO / INITIALIZES DATAZAM UNITS

0659 START CURTIS RUNS UNIT @ Pritchard Sr

0702 START CURTIS RUNS UNIT @ Pritchard Jr

0705 START CURTIS RUNS UNIT @ SE of Jill

0715 RED RIVER RANCH TRUCKS ARRIVE T. RECEIVE DIRT FROM STOCKPILE #2.

0729 RR-06 DEPARTS SITE FOR LANDFILL - LOAD 1

0738 RR-35 DEPARTS SITE FOR LANDFILL - LOAD 2

TWO TRUCKS FROM ROCK TRUCKING ARRIVE

0748 RT-003 DEPARTS SITE FOR LANDFILL - LOAD 3

0750 TWO TRUCKS FROM RED RIVER RANCH ARRIVE

0754 RT-00. DEPARTS SITE FOR LANDFILL - LOAD 4

0802 RR-03 DEPARTS SITE FOR LANDFILL - LOAD 5

RR-37 DEPARTS SITE FOR LANDFILL - LOAD 6

0822 ONE TRUCK FROM ROCK TRUCKING ARRIVES

0834 RT-002 DEPARTS SITE FOR LANDFILL - LOAD 7

0915 BUZZ CARLOFTIS, DAVID CARSON, AND HOWELL HOLLBROOK FROM COUNTY EMA ARRIVE ON SITE TO MEET W/ OSC CERON REGARDING DETERIORATION OF BUFFALO HOLLOW AND FLAT GAP ROAD. OSC CERON CMC JAEKEL, AND START ESCORT THE EMA PERSONNEL THROUGH THE SITE TO ALLOW THEM TO SEE THE OPERATIONS. AFTER THE SITE VIST, OSC CERON, ~~STATE~~ CMC JAEKEL, AR. CARLOFTIS, AND

7-15-09

7-15-09 WED — Todd Curtis

START DRIVE FROM THE SITE ALONG BUFFALO HOLLOW AND FLAT GAP ROAD TO VIEW THE CONDITION OF THE ROAD. AR. CARLOFTIS WAS NOT OVERLY CONCERNED W/ THE DETERIORATION, BUT INDICATED THAT HE WOULD HAVE AR. CUT KRAMER, COUNTY ROAD SUPERINTENDENT, CONTACT OSC CERON NEXT WEEK TO DISCUSS.

0959 AR. CARLOFTIS, AR. CARSON, AND AR. HOLLBROOK DEPART SITE.

NOTE: AT 0922 RED RIVER RANCH TRUCK RR-48 ARRIVES ON SITE TO RECEIVE LOAD OF MATERIAL FROM STOCKPILE #2. AT 0937 TRUCK RR-48 DEPARTS SITE FOR LANDFILL - LOAD 8.

0[illegible] TWO TRUCKS ARRIVE FROM RED RIVER TO RECEIVE MATERIAL FROM STOCKPILE #2.

1[illegible]03 RR-06 AND RR-35 DEPART SITE FOR LANDFILL - LOAD 9 AND LOAD 10.

1[illegible]2 TWO ROCK TRUCKING DUMPS ARRIVE ON SITE

1[illegible]5 RT-003 AND RT-00[illegible] DEPART SITE FOR LANDFILL - LOADS 11 AND LOAD 12.

1[illegible] TWO RED RIVER TRUCKS AND ONE ROCK TRUCKING ON SITE T RECEIVE MATERIAL FROM STOCKPILE #2.

1[illegible] RR-37, RR-03, AND RT-002 DEPART SITE FOR LANDFILL LOADS 13, 14, AND 15.

1[illegible] TRIPLE D COMMUNICATIONS ON SITE TO REPAIR SEVERED TELEPHONE CABLE. APPROXIMATE REPAIR TIME IS

7-15-09

7-15-09 WED — TODD CURTIS

2 HOURS

1316 RED RIVER TRUCK RR-48 ON SITE TO RECEIVE MATERIAL FROM STOCKPILE #2.

1338 RR-48 DEPARTS SITE FOR LANDFILL - LOAD 16

1351 LIGHT DRIZZLE BEGINS TO FALL W/ THUNDER IN DISTANCE. AS A PRECAUTIONARY MEASURE, WORK WILL BE HALTED FOR 20 MINUTES. THE 20 MINUTES WILL BE ADDED AFTER EVENT SUBSEQUENT THUNDER OR LIGHTNING BURST. HEAVY RAIN STARTS - DATARAMS PULLED

1405 CAC AND START TO LUNCH

1430 CAC AND START RETURN FROM LUNCH. WHILE OFF SITE, TWO RED RIVER TRUCKS ARRIVED @ SITE. THUNDER AND LIGHTNING HAS BEEN OBSERVED, SO WORK WAS STILL HALTED. TRIPLE D COMMUNICATIONS HAS ALSO FINISHED PHONE CABLE REPAIR AND DEPARTED SITE.

1450 NO THUNDER OR LIGHTNING HAS BEEN HEARD/SEEN FOR 20 MINUTES. CAC BEGINS LOADING RED RIVER TRUCKS W/ MATERIAL FROM STOCKPILE #2.

1524 RR-05 AND RR-35 DEPART SITE FOR LANDFILL - LOAD 17 AND LOAD 18.

1536 TWO ROCK TRUCKING AND ONE RED RIVER TRUCK ON SITE TO RECEIVE MATERIAL FROM STOCKPILE #2.

1549 RT-003 DEPARTS SITE FOR LANDFILL - LOAD 19

1600 RT-001 DEPARTS SITE FOR LANDFILL - LOAD 20

7-15-09

7-15-09 WED — TODD CURTIS

1602 RR-03 DEPARTS SITE FOR LANDFILL - LOAD 21

ONE RED RIVER AND ONE ROCK TRUCKING TRUCK ON SITE TO RECEIVE MATERIAL FROM STOCKPILE #2.

1622 RR-37 AND RT-002 DEPART SITE FOR LANDFILL - LOAD 22 AND LOAD 23

1627 CAC GRADES THE ACCESS ROAD TO PREPARE FOR TOMORROW

1730 EPA, CAC, START DEPART SITE

2014 START PLACES DATARAMS ON CHARGE DOWNLOADS DATA.

2042 END OF WORK DAY

Photo #	Time	Description	O	P
[illegible]	0927	CAC LOADS TRUCKS FROM STOCKPILE #2	N	TWC
[illegible]	1139	G-14 AFTER BACKFILLING	NW	
[illegible]	1146	G-14 AFTER BACKFILLING	W	
[illegible]	1147	GRID H-9 TERTIARY BACKFILLED	SW	
[illegible]	1709	TELEPHONE REPAIRMAN FIXES POWER LINE	W	
[illegible]	0918	LOADOUT OF STOCKPILE #2.	NE	

7-15-09

MOSTLY CLOUDY 80°F

7-16-09 THURS — TODD CURTIS

0630 START CURTIS ARRIVES @ GYD

0640 START ZERO / INITIALIZES DATARAM UNITS

0657 DATARAM NDT-401 STARTED AND PLACED @ MR. PRICHARD SR'S RESIDENCE.

0700 DATARAM 3710 STARTED AND PLACED @ MR. PRICHARD JR'S RESIDENCE.

0705 DATARAM NDT-445 STARTED AND PLACED @ SE CORNER OF S-11.

0714 TWO TRUCKS FROM RED RIVER ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE #2.

0738 RR-35 AND RR-06 DEPART SITE FOR LANDFILL LOAD 1 AND LOAD 2.

0819 TWO TRUCKS ARRIVE FROM ROCK TRUCKING TO RECEIVE MATERIAL FROM STOCKPILE #2.

0843 RT-003 AND RT-001 DEPART SITE FOR LANDFILL LOAD 3 AND LOAD 4.

0852 ONE TRUCK (ROCK TRUCKING) ARRIVES @ SITE TO RECEIVE MATERIAL FROM STOCKPILE #2.

0904 RT-002 DEPARTS SITE FOR LANDFILL - LOAD 5

0919 TWO RED RIVER TRUCKS ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE #2.

0943 TWO ALLEN CO TRUCKS ON SITE TO DELIVER STONE. ONE TRUCK DENSE GRADE AND ONE TRUCK OF #57.

0949 ALLEN CO TRUCKS DEPART SITE. RR-37 AND

Todd 7-16-09

7-16-09 THURS — TODD CURTIS

RR-03 DEPART SITE FOR LANDFILL. LOAD 6 AND LOAD 7.

1000 EPA JIM MCGUIRE ON SITE TO MONITOR PROGRESS AT THE SITE. EPA AND START WALK THE SITE TO SHOW MR. MCGUIRE ACTIVITIES COMPLETED TO DATE.

1028 ONE RED RIVER TRUCK ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE #2.

1043 RR-48 DEPARTS SITE FOR LANDFILL - LOAD 8

1057 EPA OFF SITE TO MONITOR DETERIORATION @ BUFFALO HOLLOW AND FLAT GAP ROAD.

1059 TWO TRUCKS FROM RED RIVER ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE #2.

1123 RR-35 AND RR-06 DEPART SITE FOR LANDFILL LOAD 9 AND LOAD 10.

1142 ONE TRUCK (ROCK TRUCKING) ON SITE TO RECEIVE MATERIAL FROM STOCKPILE #2.

1157 RT-001 DEPARTS SITE FOR LANDFILL - LOAD 11.

1204 ONE TRUCK (ROCK TRUCKING) ON SITE TO RECEIVE MATERIAL FROM STOCKPILE #2.

1214 RT-003 DEPARTS SITE FOR LANDFILL - LOAD 12

1230 START AND CAC TO LUNCH. ONE TRUCK (ROCK TRUCKING) ON SITE TO RECEIVE MATERIAL FROM STOCKPILE #2

1240 RT-002 DEPARTS SITE FOR LANDFILL - LOAD 13

1330 START AND CAC RETURN FROM LUNCH

1345 RR-37 AND RR-03 DEPART SITE FOR LANDFILL

Todd 7-16-09

9-16-09 THURS — TODD CURTIS

LOADS 14 AND 15.

1420 TWO RED RIVER TRUCKS ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE #2.

1442 CMC TAKES CASE BULLDOZER TO CLEAR A PATH UP THE HILL PAST EXCAVATION CELL G-14.

1449 RR-35 AND RR-06 DEPART FOR LANDFILL LOADS 16 AND LOAD 17.

1500 ONE TRUCK (ROCK TRUCKING) ON SITE TO RECEIVE MATERIAL FROM STOCKPILE #2.

1513 RT-001 DEPARTS SITE FOR LANDFILL - LOAD 18

1522 ONE TRUCK (ROCK TRUCKING) ON SITE TO RECEIVE MATERIAL FROM STOCKPILE #2.

1534 RT-003 DEPARTS SITE FOR LANDFILL - LOAD 19

1600 ONE RED RIVER TRUCK ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE #2.

1603 ONE TRUCK (ROCK TRUCKING) ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE #2.

1604 CMC DELIVERS TWO STEEL PLATES TO PLACE IN DAMAGED AREAS OF BUFFALO HOLLOW ROAD.

1611 RR-48 DEPARTS SITE FOR LANDFILL - LOAD 20

1624 RT-002 DEPARTS SITE FOR LANDFILL - LOAD 21

1635 TWO RED RIVER TRUCKS ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE #2.

1656 RR-37 AND RR-03 DEPART SITE FOR LANDFILL ~~1656~~ LOAD 22 AND LOAD 23.

[signature] 9-16-09

9-16-09 THURS — TODD CURTIS

1704 OSC BERON TASKS START WITH COLLECTING INVESTIGATIVE SAMPLES FROM WHAT WOULD BE CELLS H-13 AND H-14.

1707 START COLLECTS 5 ALIQUOTS OF SOIL FROM CELL H-14. DWM JENNIFER CLICK USES TO COLLECT LEAD READINGS FROM THE ALIQUOT LOCATIONS. NO READING WERE OBSERVED ABOVE THE 400 PPM GUIDELINE FOR LEAD.

1716 START COLLECTS 5 ALIQUOTS OF SOIL FROM CELL H-13. DWM USES TO COLLECT LEAD READINGS FROM THE ALIQUOT LOCATIONS. NO READINGS WERE OBSERVED ABOVE THE 400 PPM GUIDELINES FOR LEAD.

1724 START MIXES THE 5 ALIQUOTS OF SOIL FROM H-13 IN A STAINLESS STEEL BOWL W/ STAINLESS STEEL SPOON.

1728 START COLLECTS COMPOSITE SAMPLE GYD-CS-02 FROM CELL H-13.

1734 START MIXES THE 5 ALIQUOTS OF SOIL FROM H-12 IN A STAINLESS STEEL BOWL W/ STAINLESS STEEL SPOON.

1745 START COLLECTS COMPOSITE SAMPLE GYD-CS-11 FROM CELL H-14.

COORDINATES FOR THE ALIQUOTS COLLECTED FROM CELLS H-11 AND H-14 ARE: →

[signature] 9-16-09

7.16.09 Thurs

Tom Curtis

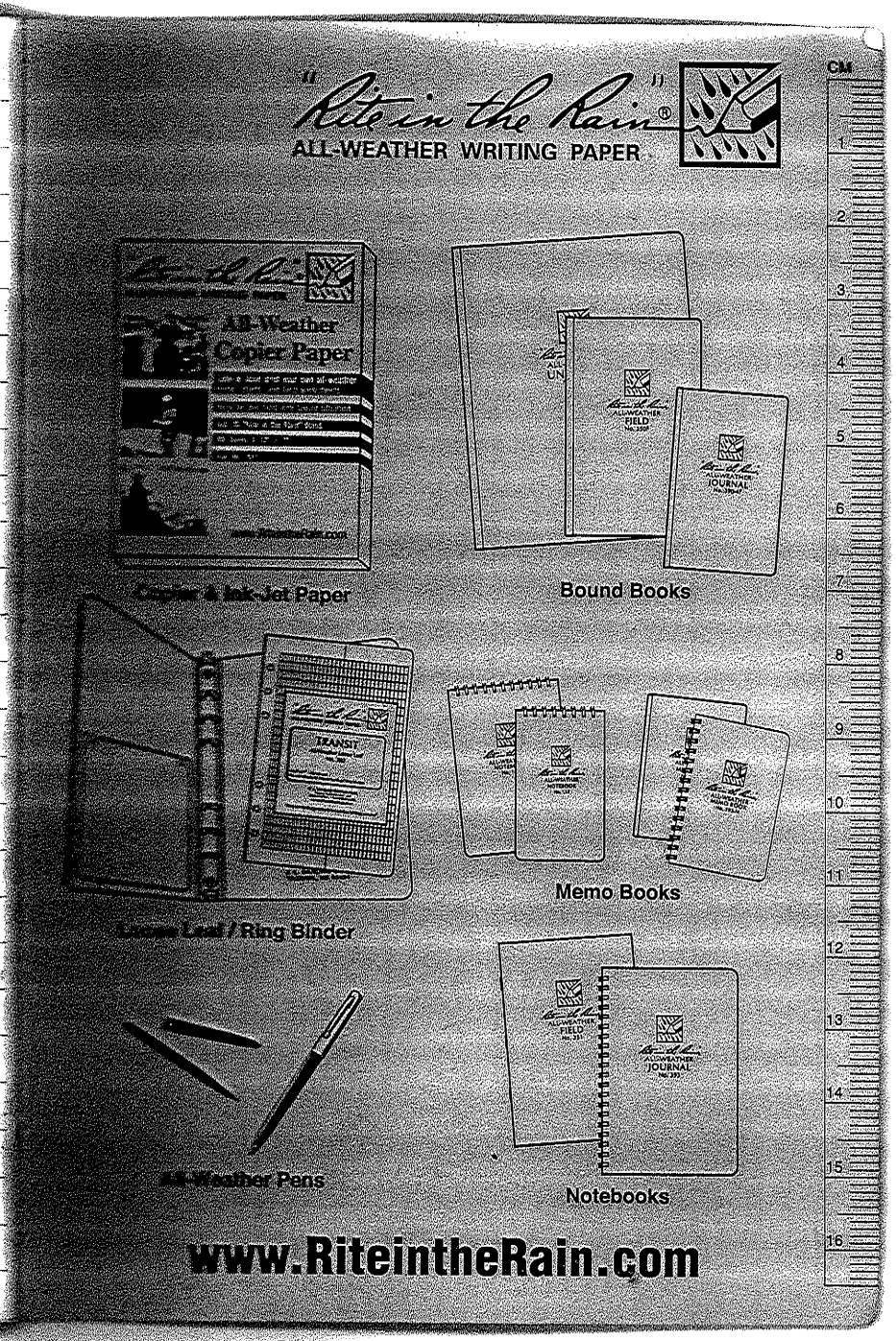
CELL H-13

37.52964425	37.52964970
84.33708922	84.33696995
37.52963060	
84.33704218	
37.52955868	37.52955717
84.33704539	84.33695903

CELL H-14

37.52962503	37.52961560
84.33695611	84.33680987
37.52960554	
84.33689655	
37.52955879	37.52954512
84.33691766	84.33676529

7-7 7-16-09



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CONTENTS

PAGE	REFERENCE	DATE
	GOODYEAR TOMS SITE	

7-16-09 THURS

Todd Curtis

1820 ALL DATARAMS ARE TERMINATED AND COLLECTED

1825 CMC IS APPLYING DGA TO BUFFALO HOLLOW ROAD IN AREAS THAT ARE DETERIORATING DUE TO HEAVY TRUCK TRAFFIC.

1900 SITE SECURED ALL PERSONNEL OFF SITE.

2100 - 2300 START CURTIS DOWNLOADS DATARAM UNITS AND PLACES ON CHARGE. SOIL SAMPLES ARE PACKED IN COOLER AND TAKEN TO FEDEX

PHOTO #	TIME	DESCRIPTION	
3192	0944	ALLEN CO. DELIVERS DGA	SW
3193	0947	ALLEN CO DELIVERS DGA	SW
3194	0947	ALLEN CO DELIVERS DGA	SW
3198	1406	CROSS H-12 AND C-14 AFTER SOIL REMOVAL	NE
3199	1821	CMC REPAIRS DETERIORATING AREAS OF ROAD	E
3200	1822	PATCHED AREAS OF BUFFALO HOLLOW ROAD	E

NOTE: PHOTOS 3195, 3196, AND 3197 WERE ACCIDENTALLY TAKEN IN VIDEO MODE AND DELETED.

7-16-09

SUNNY 75°

7-20-09 MON

Todd Curtis

0630 START ARRIVES @ GYD, NO WORK FRIDAY DUE TO RAIN. SITEWORK CMC PERFORMED WORK ON THE ROADS TO PREPARE FOR TRUCK TODAY.

0642 TWO RED RIVER TRUCKS ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE #2.

0705 TWO TRUCKS (TRUCK TRUCKING) ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE #2.

0706 RR-35 DEPARTS SITE FOR LANDFILL - LOAD 1

0716 RR-06 DEPARTS SITE FOR LANDFILL - LOAD 2

0712 START RERUN/INITIALIZES DATARAM UNITS. NOT-491 NOT WORKING

0726 TWO TRUCKS ONE RED TRUCK ONE TRUCK TRUCKING ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE #2.

~~RT-001~~ (TD)

0731 DATARAM D710 START RUN INITIATED @ AZ. TRUCKING SR's RESIDENCE.

0733 RT-001 AND RT-009 DEPART SITE FOR LANDFILL LOAD 3 AND LOAD 4.

0736 DATARAM NOT-401 START RUN INITIATED @ AZ. TRUCKING SR's RESIDENCE.

0745 ONE RED RIVER TRUCK ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE #2

0748 RT-002 ~~AND RR~~ (TD) DEPARTS SITE FOR LANDFILL - LOAD 5

0759 ONE RED RIVER TRUCK ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE #2.

0805 RR-37 AND RR-48 DEPART SITE FOR LANDFILL

7-20-09

7-20-09 AON

Todd Curtis

Load 6 and Load 7.

0816 RR-03 departs site for Landfill - Load 8

1014 Two Red River Trucks Arrive to Receive Material from Stockpile #2.

1022 RR-35 departs site for Landfill - Load 9

1029 RR-06 departs site for Landfill - Load 10

1041 Two Trucks (Rock Trucking) Arrive to Receive Material from Stockpile #2.

1055 RT-001 departs site for Landfill - Load 11

1102 RT-007 departs site for Landfill - Load 12

Two Trucks one Red River one Rock Trucking Arrive to Receive Material from Stockpile #2

1120 One Red River Truck Arrives to Receive Material from Stockpile #2.

1133 RT-002 and RR-37 depart site for Landfill Load 13 and Load 14.

1146 RR-03 departs site for Landfill - Load 15, one Red River Truck Arrives to Receive Material from Stockpile #2.

1159 RR-48 departs site for Landfill - Load 16

1229 Start Curtis off site to get lunch and contact laboratory to get results from last weeks samples. Analytical results for sample GYD-CS-10 collected from the area west of cell G-14 have a lead concentration of 71.6 ppm and an

7-20-09

7-20-09 AON

Todd Curtis

Aroclor 1248 concentration of 1270 µg/kg (1.27 ppm). Start contacted OSC Ceron to discuss the results. OSC Ceron indicated that he wanted to dig the area west of cell G-14 to 6" more and observe. If native clay is reached stop. If stained soil persists, dig an additional 6" and observe again. OSC Ceron indicated that he would relay the info to CMC.

1322 Start Curtis returns to site. ½ hour for lunch ½ hour for communications.

1402 Two Red River Trucks Arrive to Receive Material from Stockpile #2.

1425 RR-35 departs site for Landfill - Load 17

1438 RR-06 departs site for Landfill - Load 18

Three Trucks, Two Rock Trucking and one Red River, Arrive to Receive Material from Stockpile #2.

1451 RT-001 departs site for Landfill - Load 19

1303 RT-007 departs site for Landfill - Load 20

1305 Two Trucks, one Red River and one Rock Trucking, Arrive to Receive Material from Stockpile #2.

1514 RR-37 departs site for Landfill - Load 21

RR-03 departs site for Landfill - Load 22

One Red River Truck Arrives to Receive Material from Stockpile #2.

1524 RT-002 departs site for Landfill - Load 23.

7-20-09

7-20-09 MON

1537 RR-48 DEPARTS SITE FOR LANDFILL - LOAD 24

1553 CAC PREPARES STOCKPILE # 3 FOR LOAD OUT TOMORROW. A LOADING PLATFORM IS BUILT AND A LOADING AREA FOR TRUCKS IS PREPARED.

1642 SITE SECURED ALL PERSONNEL OFF SITE.

2000 - 2100 START CURTIS DOWNLOADS DATARAM UNITS AND PLACES UNITS ON CHARGE.

PHOTO #	TIME	DESCRIPTION	
3201	1540	STOCKPILE # 2 AFTER LOADOUT	NW
3202	1540	STOCKPILE # 2 AFTER LOADOUT	NW
3203	1546	CAC PREPARES STOCKPILE # 3 FOR LOADOUT	SW
3204	1602	CAC PREPARES LOADING ZONE @ STOCKPILE #3	NW
3205	1602	CAC PREPARES LOADING PLATFORM @ STOCKPILE #3	N

7-20-09

7-21-09 TUES

TODD CURTIS

0645 START CURTIS ARRIVES @ 645.

0647 THREE TRUCKS ONE RED RIVER AND TWO ROCK TRUCKING ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE #2.

0707 RR-03 DEPARTS SITE FOR LANDFILL - LOAD 1

0712 RT-009 DEPARTS SITE FOR LANDFILL - LOAD 2

0723 RT-001 DEPARTS SITE FOR LANDFILL - LOAD 3

THREE RED RIVER TRUCKS ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE # 2.

0727 START ZERO / INITIALIZES DATA RAM UNITS.

0733 DATARAM D760 START RUN INITIATED @ MR. PRICHARD SR'S RESIDENCE.

0737 DATARAM NDT-401 START RUN INITIATED @ MR. PRICHARD JR'S RESIDENCE.

0743 RR-37 DEPARTS SITE FOR LANDFILL - LOAD 4

0753 RR-35 DEPARTS SITE FOR LANDFILL - LOAD 5

0803 RR-05 DEPARTS SITE FOR LANDFILL - LOAD 6

0814 NDT-445 START RUN INITIATED SE OF J-11.

0843 ONE RED RIVER TRUCK ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE #2

0859 RT-002 DEPARTS SITE FOR LANDFILL - LOAD 7.

0900 START OFF SITE TO CONTACT SHERIFF WEEDMAN

START LOUISVILLE AND LABORATORY REGARDING SAMPLES 649-CS-11 AND 649-CS-12.

0945 BUZZ CARLOFTIS AND DAVID COUSON, ROCKCASTLE COUNTY RETURN TO SITE W/ COT CRAMER AND RICHARD

7-21-09

7-21-09 TUES

Tom Curtis

ANDERSON. MR. ANDERSON IS A REPORTER w/ THE MOUNT VERNON SIGNAL. MR. ANDERSON TAKES PHOTOS OF THE SITE

0959 ONE RED RIVER TRUCK ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE # 2.

1015 BUZZ CARLOFTIS, DAVID COUSON, COY CROMER, AND RICHARD ANDERSON DEPART SITE.

1018 RR-03 DEPARTS SITE FOR LANDFILL - LOAD 8

1027 TWO TRUCKS (ROCK TRUCKING) ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE # 2.

1045 RT-001 DEPARTS FOR LANDFILL - LOAD 9

1056 THREE RED RIVER TRUCKS ARRIVE ONE TO RECEIVE MATERIAL FROM STOCKPILE # 2. LAST LOAD FOR STOCKPILE #2. TWO TRUCKS TO RECEIVE MATERIAL FROM STOCKPILE # 3.

1103 RT-007 DEPARTS SITE FOR LANDFILL - LOAD 10

1123 RR-37 DEPARTS SITE FOR LANDFILL - LOAD 11

1134 RR-06 AND RR-35 DEPART SITE FOR LANDFILL LOAD 12 AND LOAD 13. RELIABLE TRUCKING DELIVERS LOAD OF DGA TO SITE.

1205 ONE TRUCK (ROCK TRUCKING) ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE # 3.

1220 RR-002 DEPARTS SITE FOR LANDFILL - LOAD 14

1245 START DEPARTS SITE FOR LUNCH AND TO TALK w/ START SHERRY WEEDMAN AND OSC CERON VIA TELEPHONE

Tom 7-21-09

7-21-09 TUES

Tom Curtis

½ HOUR FOR LUNCH. THE REST OF THE TIME WAS SPENT COMMUNICATING w/ START WEEDMAN AND OSC CERON.

1402 START RETURNS TO G-YD. WHILE OFF SITE ALLEN CO. DELIVERED LOAD OF DGA. ONE RED RIVER TRUCK ARRIVED TO RECEIVE MATERIAL FROM STOCKPILE # 3. RR-03 DEPARTS SITE FOR LANDFILL - LOAD 15.

1405 TWO TRUCKS (ROCK TRUCKING) ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE #3.

1420 RT-007 DEPARTS SITE FOR LANDFILL - LOAD 16

1432 RT-001 DEPARTS SITE FOR LANDFILL - LOAD 17

THREE RED RIVER TRUCKS ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE # 3.

1449 RR-37 DEPARTS SITE FOR LANDFILL - LOAD 18

1501 RR-06 AND RR-35 DEPART SITE FOR LANDFILL LOAD 19 AND LOAD 20.

1513 RED RIVER TRUCK ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE # 3.

1527 RR-48 DEPARTS SITE FOR LANDFILL - LOAD 21.

1545 OSC CERON TASKED START TO COLLECT A COMPOSITE SAMPLE FROM EXCAVATION CELL G-15. START COLLECTS 5 ALIQUOTS OF SOIL FROM CELL G-15.

1553 START MIXES ALIQUOTS IN STAINLESS STEEL BOWL w/ STAINLESS STEEL SPOON. COMPOSITE SAMPLE G4D-CS-13 IS COLLECTED. GPS COORDINATES OF ALIQUOT LOCATIONS COLLECTED FROM G-15 ARE.

Tom 7-21-09

7-21-09 TUES — Todd Curtis

N

37.52979714	37.52978245
84.33673841	84.33664856
37.52972922	
84.33666952	
37.52967023	37.52969931
84.33675107	84.33663714

1618 DATATRAN UNITS TERMINATED AND COLLECTED

1652 SITE SECURED ALL PERSONNEL OFF SITE

2000 - 2200 START CURTIS DOWNLOADS DATATRAN UNITS AND PLACES UNITS ON CHARGE. SOIL SAMPLE PACKAGES IN COOLER AND TAKEN TO FEDEX.

Photo #	Time	Description
3206	1517	SOIL STOCKPILE # 2 LOWER LEVEL - GRADED W [illegible]
3207	1517	SOIL STOCKPILE # 2 UPPER LEVEL - GRADED NW
3208	1529	SOIL STOCKPILE # 3 IS PREPARED FOR LOADOUT N

7-21-09

OVERCAST 70°
HEAVY CHANCE OF RAIN

7-22-09 WED — Todd Curtis

0700 START CURTIS ARRIVES @ SITE. THREE TRUCKS (ROCK TRUCKING) ON SITE TO RECEIVE MATERIAL FROM STOCKPILE # 3. RT-003 DEPARTS SITE FOR LANDFILL - LOAD 1.

0708 RT-001 DEPARTS SITE FOR LANDFILL - LOAD 2

0717 RT-007 DEPARTS SITE FOR LANDFILL - LOAD 3

FOUR RED RIVER TRUCKS ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE # 3.

0734 RR-03 AND RR-05 DEPART SITE FOR LANDFILL - LOAD 4 AND LOAD 5.

0744 RR-35 DEPARTS SITE FOR LANDFILL - LOAD 6

0754 RR-37 DEPARTS SITE FOR LANDFILL - LOAD 7

1013 ONE TRUCK (ROCK TRUCKING) ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE # 3.

1027 RT-001 DEPARTS SITE FOR LANDFILL - LOAD 8

1037 FOUR TRUCKS, TWO ROCK TRUCKING AND TWO RED RIVER, ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE # 3.

1050 RT-003 DEPARTS SITE FOR LANDFILL - LOAD 9

1101 RT-007 DEPARTS SITE FOR LANDFILL - LOAD 10

ONE RED RIVER TRUCK ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE # 3.

1112 RR-03 DEPARTS SITE FOR LANDFILL - LOAD 11

ONE RED RIVER TRUCK ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE # 3.

1116 RR-06 DEPARTS SITE FOR LANDFILL - LOAD 12

7-22-09

7-22-09 WED — TODD CURTIS

1126 RR-35 DEPARTS SITE FOR LANDFILL - LOAD 13

1139 RR-37 DEPARTS SITE FOR LANDFILL - LOAD 14

1336 ONE TRUCK (ROCK TRUCKING) ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE #3. RAIN HAS STARTED.

1350 DT-001 DEPARTS SITE FOR LANDFILL - LOAD 15

1408 ONE RED RIVER TRUCK ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE #3.

1423 RR-06 DEPARTS SITE FOR LANDFILL - LOAD 16

1434 THREE TRUCKS, TWO RED RIVER AND ONE ROCK TRUCKING ARRIVE TO RECEIVE MATERIAL FROM STOCKPILE #3.

1453 RR-03 AND RT-007 DEPART SITE FOR LANDFILL - LOAD 17 AND LOAD 18.

1505 RR-37 DEPARTS SITE FOR LANDFILL - LOAD 19

ONE TRUCK (ROCK TRUCKING) ARRIVES TO RECEIVE MATERIAL FROM STOCKPILE #3. THIS IS THE LAST LOAD FROM STOCKPILE #3. ONCE LOADED, ADDITIONAL MATERIAL FROM STOCKPILE #1 IS ADDED TO THE LOAD

1521 RT-003 DEPARTS SITE FOR LANDFILL - LOAD 20.

1600 ALL PERSONNEL OFF SITE. DUE TO RAIN

7-22-09

MOSTLY CLOUDY 70°

7-23-09 THURS — TODD CURTIS

0700 START CURTIS ARRIVES @ G&D. HEAVY RAINS FELL OVERNIGHT. CMC JAEREL INFORMS START THAT THE SITE IS TOO WET TO BEGIN SOIL REMOVAL FROM EXCAVATION CELLS H-13 AND H-14. TODAY'S WORK WILL CONSIST OF REPAIRING DAMAGE TO BUFFALO HOLLOW ROAD.

0758 TWO ALLEN CO. TRUCKS ON SITE TO DELIVER DGA TO SITE.

08:19 CMC BEGINS HAULING DGA OUT ONTO BUFFALO HOLLOW ROAD TO FILL POT HOLES CREATED BY HEAVY TRUCK TRAFFIC INTO AND OUT OF THE SITE.

10:16 START AND CMC JAEREL SETTLE OUT BOUNDARIES FOR EXCAVATION CELLS G-13, G-15, H-13, AND H-14 USING GPS.

10:45 START CURTIS AND CMC JAEREL OFF SITE.

TOTO #	TIME	DESCRIPTION	OT
3209	0757	ALLEN CO DELIVERS DGA	SW Tim

7-23-09

7/24/09 Friday Kirtwatts

0640 - Start watts on site GYD CMC Bill Jacke
Informs Start that task for day is
to clear Tree's & lay Fabric for staging
area. CMC Bill Jacke informs Start
That 15 loads Remain in stockpile #1 and
will be incorporated in Stockpile #4

0710 - weather: 61°F High of 82°F wind 1-7mph
WSW. Heavy Fog, partly cloudy
possible shower/Thunder Storm
Humidity 96%

0715 - Fabric laid for stock piling area 4

0720 - Spoke with Todd curtis & confirmed
with CMC Bill Jacke that G-15 came
back clean and has been scratched from
list.

0725 - CMC workers Begin moving Stock pile #1
to Stock pile #4

0836 - CMC workers Finish moving From
Stock pile #1 to Stock pile #4

0840 - CMC Bill Jacke explain task
to workers clearing Tree off of H-14

0845 - CMC workers begin clearing trees
in H-14

1010 - CMC workers complete Tree clearing

1025 - CMC workers Begin excavating H-14

7/24/09 Friday Kirtwatts

1130 - CMC & Start take lunch

1200 - Start Returns from lunch
State epa ~~[illegible]~~ (Click) on site take
photo's & XRF Reading

1210 - State EPA off site.

1220 CMC Returns from lunch.

1240 - CMC workers Start back to excavation
of H-14

1405 - State EPA mClick arrives on site
taken XRF Readings

1547 - CMC works Shut down for day.

1550 - CMC works off site. & start

Photo #	time	Direscription	o	p
126-2696	0718	Stock pile #4	NW	Pass
126-2697	0723	Stock pile #1	SW	
126-2698	0735	Stock pile #4	N	
126-2699	0832	Stock pile #1	SW	
126-2700	0858	Stock pile #4	W	
126-2701	0900	H-14 Tree clearing	E	
126-2702	0959	H-14 cleared Trees	E	
126-2703	1540	H-14 half excavated	N	

7/25/09 Saturday Kirt Watts

0630 - Start watts onsite along with CMC Bill Jacke

Weather - currently 68°F high of 85°F wind SSW 7mph 40% chance of Rain 91% humidity

0658 - CMC workers arrive on site. Task continue working on excavation of grid H-14

0715 - CMC workers Begin excavation

0735 - Stop work due to lighten

0750 - Bill Jacke calls off work due to heavy Rain + lightem

0800 every one off site.

Mostly Sunny
80° F

7-27-09 Mon Todd Curtis

0700 START CURTIS ARRIVES @ GYS. CMC TO CONTINUE SOIL REMOVAL & EXCAVATION CELL H-14

0842 SOURD ZERO/INITIALIZES DATARAM UNIT D710

0848 DATARAM D710 START RUN INITIATED @ SE of CELL J-11. CMC CONTINUES SOIL REMOVAL FROM CELL H-14. SOIL IS TRANSPORTED FROM H-14 TO STOCKPILE #4 W/ THE YANMATE.

1200-1230 LUNCH.

1230 CMC CONTINUES SOIL REMOVAL FROM CELL H-14.

1428 CMC BRINGS IN A CATERPILLER 725 off Road DUMP TO SPEED UP THE PROCESS of SOIL REMOVAL CMC FINISHED W/ CELL H-14. CMC BEGINS SOIL REMOVAL FROM CELL G-13. SOIL IS TRANSPORTED TO STOCKPILE #4 W/ CAT 725.

1549 CMC DIGS G-13 TO A DEPTH of 12". WHEN FINISHED, EXCAVATION BEGINS ON H-13.

1616 OSC CERON TASKS CMC W/ REMOVING AREA of WIRE AND DEBRIS FROM G-13. AREAS IN G-13 ARE OVEREXCAVATED TO A DEPTH of 24" TO REMOVE DEBRIS.

1758 SITE SECURED ALL PERSONNEL off SITE.

2011-2045 START CURTIS DOWNLOADS DATARAMS AND PLACES UNITS ON CHARGE.

7-27-09

7-27-09 Mon — Todd Curtis

Photo #	Time	Description	OP
3210	1308	CMC Removes soil from Grid H-14	SE
3211	1437	CMC Loads soil from H-14 into off road	NE
3212	1453	Grid H-14 after soil removal	SW
3213	1454	CMC Removes soil from Grid G-13	SW
3214	1454	CMC Removes soil from Grid G-13	SW
3215	K16	Grid G-13 after soil removal	NE
3216	K35	Debris removed from Grid G-13	NE

7-27-09

7-28-09 Tues — Todd Curtis

0700 Start Curtis arrives @ GAD.

0706 CMC prepares to overpack the three 55-gal steel drums located at the shed. Drums are lifted w/ tow rope and placed into poly overpack drums. A strong solvent odor is observed during overpacking activities.

0748 CMC resumes soil removal from excavation cell H-13. Soil is transported to stockpile #4 w/ cat 325.

0754 KEI delivers load of film material to the site.

0757 Start zero/initializes DataRam units.

0802 DataRam unit ~~D710~~ NDT-401 start run initiated and placed @ air primed 5's.

0810 DataRam unit D710 start run initiated and placed @ SE of J-11.

0830 Start Curtis and CMC Shekel collect samples of material from 3 55-gal drums. Start Curtis collects samples using collimasas. Drum 1 has two layers cloudy tan orange on top of an opaque tan sludge layer. Drum 2 is a gray ~~sludge~~ cloudy liquid w/ some solids. Drum 3 is a tan/orange cloudy material.

0930 KEI delivers load of film material to the site.

1022 HazCat activities completed

1023 KEI delivers load of film material to the site.

7-28-09

7-28-09 TUES — TODD CURTIS

1128 START PREPARES TO COLLECT COMPOSITE SAMPLES FROM GRIDS G-13, H-13 AND H-14 FOR CONFIRMATION THAT ALL CONTAMINATED SOIL HAS BEEN REMOVED.

1136 START COLLECTS 5 ALIQUOTS OF SOIL FROM CELL G-13. ALIQUOTS ARE MIXED IN A STAINLESS STEEL BOWL W/ STAINLESS STEEL SPOON.

1141 COMPOSITE SAMPLE GYD-CS-14 IS COLLECTED FROM CELL G-13.

1148 START COLLECTS 5 ALIQUOTS OF SOIL FROM CELL H-13. ALIQUOTS ARE MIXED IN A STAINLESS STEEL BOWL W/ STAINLESS STEEL SPOON.

1156 COMPOSITE SAMPLE GYD-CS-15 IS COLLECTED FROM CELL H-13.

1204 START COLLECTS 5 ALIQUOTS OF SOIL FROM CELL H-14. ALIQUOTS ARE MIXED IN A STAINLESS STEEL BOWL W/ STAINLESS STEEL SPOON.

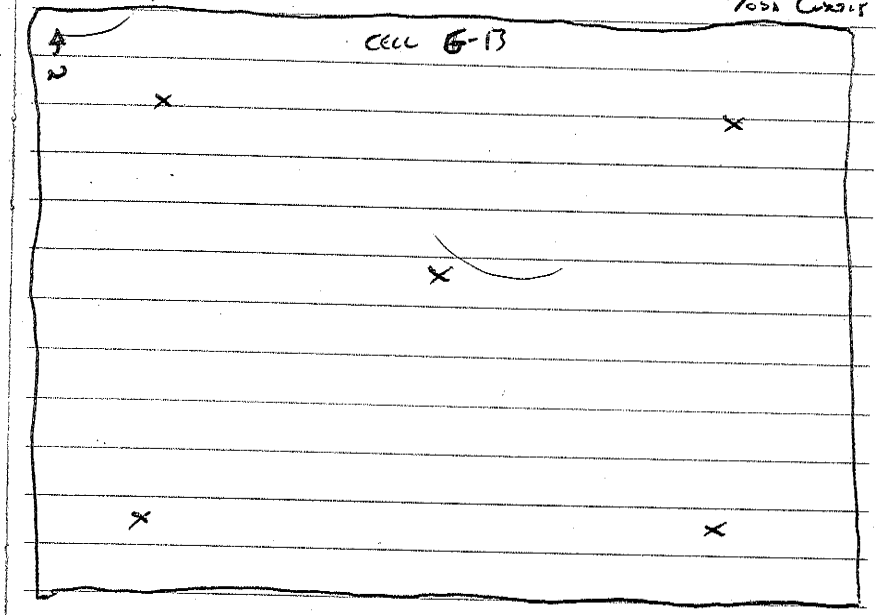
1218 COMPOSITE SAMPLE GYD-CS-16 IS COLLECTED FROM CELL H-14. GPS COORDINATES OF ALIQUOT LOCATIONS ARE DEPICTED ON PAGES 21 AND 22.

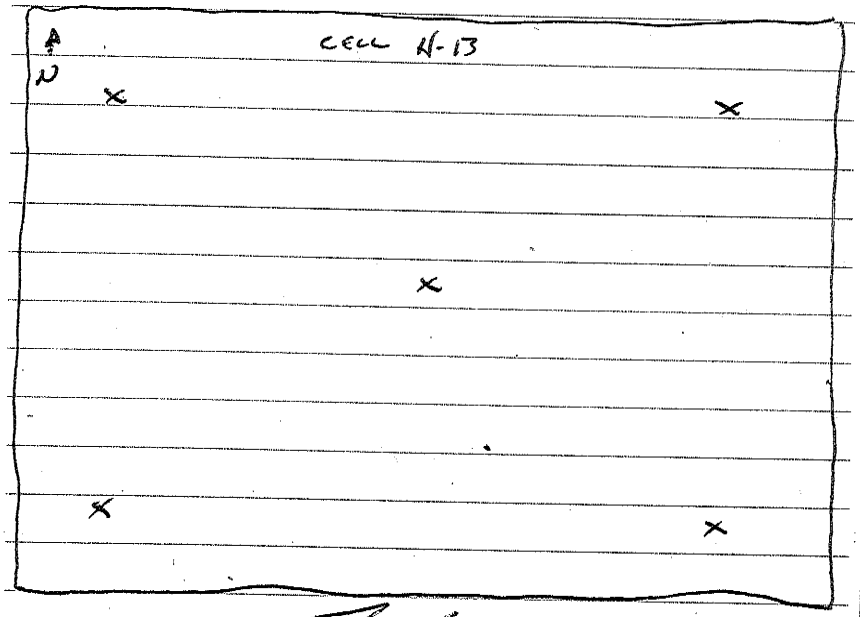
1230 - 1300 START OFF SITE FOR LUNCH.

1342 START COLLECTS COMPOSITE SAMPLE OF STOCKPILE #4 FOR ERES. SAMPLE IS MIXED IN STAINLESS STEEL BOWL W/ STAINLESS STEEL SPOON. PROFILE SAMPLE COMPRISED OF 20 ALIQUOTS.

7-28-09

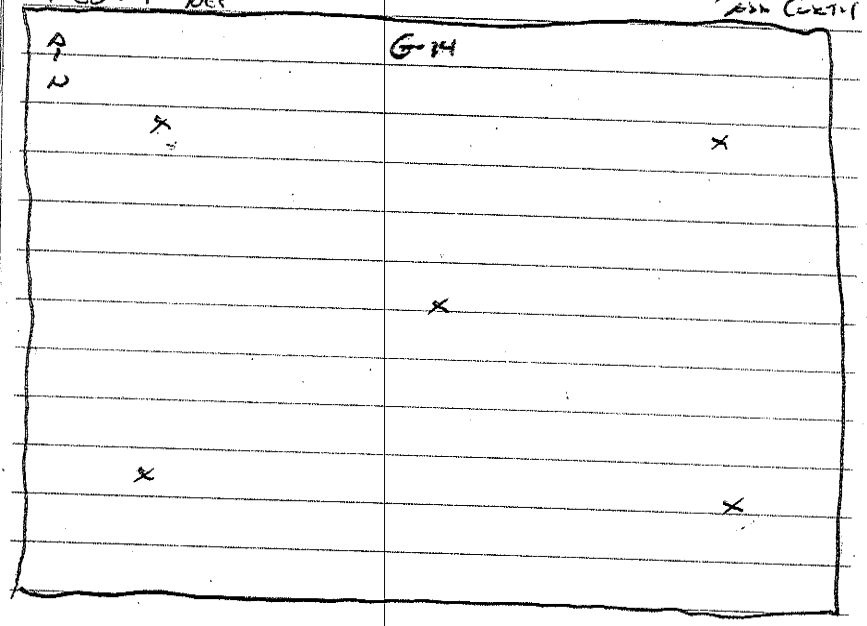
7-28-09 TUES — TODD CURTIS





7-28-09

7-28-09 Tues — Todd Curtis



1349 Errs completes orange fence around open excavations to prevent anyone from stumbling into pits.

1405 Errs covers stockpile #4 w/ poly.

1500 All personnel off-site

Photo #	Time	Description	O P
3217	0710	Crew places 55-gal drum into overpack	NE Tue
3218	0210	Crew places 55-gal drum into overpack	NE
3219	0713	55-gal drum in overpack	N
3220	0714	Crew places 55-gal drum into overpack	N
3221	0754	KEI deliveries from Interim	SW
3222	0755	KEI deliveries from Interim	SW
3223	0828	Palmer take of Interim from 55-gal drum	NW DJ

7-28-09

7-28-09 — Todd Curtis

Photo #	Time	Description	O P
3224	0849	Sample containers from 3 55-gal drums	E Tue
3225	0850	Sample container from Drum #1	E
3226	0850	Sample container from Drum #2	E
3227	1349	Barricade fence is placed around G-13	NE
3228	1349	Barricade fence around H-13 and H-14	E
3229	1349	Grid G-13	NE
3230	1349	Grids H-13 and H-14	E
3231	1405	Stockpile #4 covered w/ poly	NE
3232	1407	Crew clears off road truck for demob	SW
3233	1422	KEI deliveries from Interim	NW

7-28-09

08/04/09 Tues C. Roden

0700- START Roden arrives on-site. CMC already on-site. CMC Jaekel informs START that two truck loads of backfill has been on-site @ 0620 this morning.

0715- START zero/initializes DataRAMs.

0730- DataRAM 0071Ø deployed @ south end of grid I-11 to catch particles between back fill unloading/spreading and residential area.

0740- KEI delivers truck load of material fill. #3

0745- CMC Jaekel informs START that OSC Ceron called and instructed gathering of DataRAMs since radar is showing rain quickly approaching site. KEI delivers fill material, truck #4.

0750- START collects deployed DataRAM.

0850- OSC Ceron arrives on-site and KEI delivers #5 truck of fill material.

0917- CS-14 37.0, CS-15 = 10.2, CS-16 = 7.21 Above are the Pb results for the samples taken last week as communicated by START Vickers.

0930- Weather today; High 85°F, Partly Sunny with Scattered thunderstorms.

0940- KEI delivers #6 truck load of fill material.

1005- KEI delivers #7 truck load of fill material.

1055- CMC Jaekel speaks with KEI owner and is informed that KEI will no longer be

C. Roden

08/04/09 Tues C. Roden

able to make truck loads deliveries to the site for the rest of the day due to weather impacts on the pit located in Richmond, KY.

1100- START speaks w/ CMC Jaekel about possibility of hauling out tomorrow if back fill cannot be hauled in. Jaekel expresses concerns about damage to the roads in wet conditions and the inability to withold work from contracted company to haul contaminated soil from site in case we don't or can't use the trucks tomorrow. (The company may have work elsewhere). Also, CMC is awaiting results on analysis for stockpile.

1110- CMC parks equipment and aborts work for the day.

1120- CMC crew off-site and START off site.

C. Roden

08/06/09 Thurs C. Roden

0700 - START arrives on-site and no one else is here. START will wait on a call back from the OSC on the site status

0715 - START receives call from OSC and is informed that CMC will not be on-site until 1000 this morning.

0730 - START off-site.

1000 - START on-site. The plan today is to haul in back fill from the pit. KEI has just informed CMC that the pit is too wet to dig and load dirt. They anticipate hauling dirt around 1400 or 1500 to give enough time to dry. The lab has cleared constituents of concern except lead. Faulty instrumentation prevented the lab from running lead. CMC hopes to get these results in by EOD. CMC Jaekel has three crew men on-site today.

1100 - CMC spreads gravel on roads throughout roads located on-site. Later today Mr. Cromer, County Road Commissioner will be stopping by to negotiate how, when and who will fix the damages on Buffalo Hollow and Flat Gap Rds.

1135 - Clover Bottom Quarry, Div. of The Allen Co. Inc, hauls in large rock to be placed along the drainage/spring area

C. Roden

08/06/09 C. Roden

around excavated grid G-13. This will help prevent further erosion from the spring. Water is flowing from G-13 through H-12 and south westerly through I & J-11.

1330 - Coy Cromer, County Road Commissioner, arrives on-site to speak w/ CMC and OSC Ceron.

1445 - County Road Commissioner and the OSC came to an agreement that the EPA will pay 75% of the total cost to re-pave the roads from Flat Gap Rd to the entrance of 556 Buffalo Hollow Rd if the County agrees to pave all of Buffalo Hollow Rd w/in 30 days. A rough estimate of total cost to do all of Buffalo Hollow is approx. $80,000, Since 556 Buffalo Hollow is approx the half way point, the EPA should be responsible for 75% of half equaling approximately $30,000.

1500 - CMC continues to spread large rocks over spring bed. CMC Jaekel receives word from lab that the lead analysis has still not ran and should be complete around 1700 or 1800 today. OSC Ceron suggested trucks be on-site this evening ready to haul if and when the lab calls back w/ approval from results. KEI will not be hauling in back fill today but will be back on Saturday.

C. Roden

08/06/09 Thurs C. Roden

1720- CMC Jaekel just got off the phone w/ the lab and still no word on the lead status. CMC instructed the lab to find out exactly why we are not receiving the results and reply ASAP.

1730- Lab called and the TCLP is BDL.

1800- Red River Ranch arrives w/ three trucks to haul out stockpile #4. Truck #'s are: 09, 35 + 22.

1845- START and CMC off-site.

C. Roden

08/07/09 Fri C. Roden

0715- START arrives on-site, CMC already on-site and three trucks from Red River Ranch.

START Roden zero/initializes DataRAMs.

D709 is deployed on the SE corner of Prichard Sr home.

*Date displayed on unit D709 = 28-Jan-2002

D617 is deployed on southwestern area of site, between I & J-11 & residential area. *Date displayed: 24-Jan-2002

START attempts to fix dates on DataRAM units but correct date will not stay in place once the unit runs.

D710 is deployed directly in front (north) of Mr. Prichard Jr's house. *Date is correct on this unit.

0800- Another truck arrives to haul out from stockpile #4. Truck #37 (RRR), Load #4. Some trucks have been sub-contracted by Red River Ranch. Subcontracted trucks are from Rock Inc. A total of three trucks on-site today are Rock Inc and the other five are Red River Ranch trucks.

0845- Three trucks arrive on-site to haul out stockpile #4. Truck #'s 35, 06, & 22 (RRR) Loads #5, 6 + 7

1100- A truck arrives on-site to haul out a load. The Rock Inc truck # is 005 and this is load #8.

1130- Two more trucks arrive, The Rock Inc. #'s 006 + 005. Loads = 9 + 10.

1215- Three trucks arrive on-site. RRR truck #'s: 22, 35, 06. Loads: 11, 12 & 13

C. Roden

08/06/09 C. Roden

1430 - Rock Trucking Inc. truck #005 arrives on site for a load of contaminated soil. This makes the 14th load today.

1450 - Rock Trucking Inc. truck #006 arrives on-site to haul a load out. Load #15

1515 - Red River Ranch truck #'s 37 & 48 arrive on site for two loads making the total 17.

1550 - START confirms w/ CMC the total # of loads today and it's actually a total of 19 loads taken off-site today.
Rock Trucking 003, RRR 035, RRR-06 and RRR-22 arrive onsite making the total # of loads thus far today equal 23.

1600 - CMC informs START that the trucks being loaded right now are not going to the landfill today. They won't make it on time so there may be up to six trucks loading on-site in the morning. In addition to hauling out, KEI will bring in approx 15 loads of back fill material tomorrow.

1630 - Trucks off-site, START gathers DataRAMs and downloads data.

1700 - CMC has stopped work for the day. START off-site headed back to Atlanta w/ a stop at Fed-Ex to ship Units and Trimble

C. Roden

Photo Log For Week Aug. 3-7 2009

Image #	Orientation	Time/Date	Description
100-4142	SE	1630/08/03/09	Site Conditions after weekend of rain.
100-4143	East	1631/08-03-09	Site conditions after weekend rain.
100-4144	North	1635/08-03-09	Stockpile #4 completely covered for weekend.
100-4145	NW	1640/08-03-09	Spring/Small creek bed covered w large rock
100-4146	West	1641/08-03-09	lining near property pond. ↳ South side of culvert. Conditions after laying large rock on small creek bed to prevent erosion.
100-4147	NW	1645/08-03-09	Site cond. after weekend of rain. Location where stockpile was once located.
100-4148	SE	1650/08-03-09	Site Cond. after weekend rain. I & J-11.
100-4149	East	1652/08-03-09	Site Cond. after weekend rain
100-4150	SW	0935/08-04-09	CMC spreads back fill over grid H-13.
100-4151	NE	1135/08-06-09	Clover Bottom Quarry delivers large rock on-site.
100-4152	SW	1530/08-06-09	CMC has spread out large rock over spring bed and partly I-11 to prevent erosion.

Photo Log Cont. week of Aug-3-7 2009

100-4154 NE 1800 08-06-09 Red River Ranch arrives on-site to load contaminated soil to take off-site to approved landfill.

C Rock

APPENDIX E

DRUM INVENTORY LOGS

(Three Pages)

(Electronic copy on compact disc)

START 4	DRUM INVENTORY LOG	Drum Number: 001
Site Name: Goodyear Dump	Location: Berea, KY	Date: 07-28-09
TDD #:	Sampler: T. Curtis	Time: 08:00:00

Weather/Temperature: Partly Cloudy / 71°F +

Drum Type: 55 gal / Poly-lined Fiber Steel X Poly Stainless Steel Nickel

Lid Type: Ring-top X Closed-top | Bungs: Present Missing

Drum Condition: Meet DOT Spec. Good Fair (Poor)

Drum Size: 110 85 (55) 42 30 16 10 5 Other

Drum Contents: Full (3/4) 2/3 1/2 1/3 1/4 <1/4 Other

Overpacked: No (Yes) | Overpack Type: Steel (Poly) Fiber | Overpack Size: 95 gallon

Layers	Physical State: Liquid	Solid	Gel	Sludge	Color: Use standard colors	Clarity: Clear	Cloudy	Opaque	Layer Thickness (Inches)
A	X				Tan/orange			X	
B									
C									

Field Analysis: pH 4 PID ___ CGI ___ OVA / FID ___ Other ___

Drum Labels / Markings: DOT ___ UN / NA ___

Mfg. Name and Address:

Chemical Name:

Additional Information:

Haz-Cat Data

Radiation: Positive * Negative ___ MREM / HR

Hazard Category:

Analyst: T. Curtis

Date Performed: 07-28-09

Layers	Physical State: Liquid	Solid	Gel	Sludge	Color: Use standard colors	Clarity: Clear	Cloudy	Opaque	Water Sol: S, PS, or I; Rel. Dens. H or L	React *: Air or Water	pH: Use std. units	Hex Sol: S or I	Oxid: + or -	Per: + or -	Hal: + or -	Combust: XF, F, C, or NF	Acid: Sul, CN, or As	Sul: + or -	CN: + or -
A	X				Tan/Org			X	S	N	4	I	-	-	N	NF	-	-	-
B																			
C																			

PCB Concentration ___ Other Test ___

Comments

Bulk Group: ___ Waste Stream: ___

Bulk Group Number: ___ Waste Stream Number: ___

* If material is positive for radioactivity or is reactive with air or water, perform no further tests.

START 4	DRUM INVENTORY LOG	Drum Number: 002
Site Name: GOODYEAR DUMP	Location: BEREA, KY	Date: 07-28-09
TDD #:	Sampler: T CURTIS	Time: 09:00:00

Weather/Temperature: PARTLY CLOUDY 75° F

Drum Type: Poly-lined Fiber Steel X Poly Stainless Steel Nickel

Lid Type: Ring-top Closed-top X | Bungs: Present Missing

Drum Condition: Meet DOT Spec. Good Fair (Poor)

Drum Size: 110 85 (55) 42 30 16 10 5 Other

Drum Contents: Full 3/4 2/3 1/2 1/3 (1/4) <1/4 Other

Overpacked: No (Yes) | Overpack Type: Steel (Poly) Fiber | Overpack Size: 95 GALLON

Layers	Liquid	Solid	Gel	Sludge	Color (Use standard colors)	Clear	Cloudy	Opaque	Layer Thickness (Inches)
A	X				GRAY		X		
B									
C									

Field Analysis: pH 5 PID ___ CGI ___ OVA / FID ___ Other ___

Drum Labels / Markings: DOT ___ UN / NA ___

Mfg. Name and Address:

Chemical Name:

Additional Information:

Haz-Cat Data

Radiation: Positive * Negative ___ MREM / HR

Hazard Category:

Analyst: T. CURTIS

Date Performed: 07-28-09

Layers	Liquid	Solid	Gel	Sludge	Color (Use standard colors)	Clear	Cloudy	Opaque	Water Sol (S, PS, or I; Rel. Dens. H or L)	React * (Air or Water)	pH (Use std. units)	Hex Sol (S or I)	Oxid (+ or -)	Per (+ or -)	Hal (+ or -)	Com-bust (XF, F, C, or NF)	Acid (Sul, CN, or As)	Sul (+ or -)	CN (+ or -)
A	X				GRAY		X		S	N	5	S	—	—	—	XF	—	—	—
B																			
C																			

PCB Concentration ___ Other Test ___

Comments

Bulk Group: ___ Waste Stream: ___

Bulk Group Number: ___ Waste Stream Number: ___

* If material is positive for radioactivity or is reactive with air or water, perform no further tests.

START 4	DRUM INVENTORY LOG	Drum Number: 003
Site Name: Goodyear Dump	Location: Tyner, KY	Date: 07-28-09
TDD #:	Sampler: T. Curtis	Time: 09:12:00

Weather/Temperature:

Drum Type: Poly-lined Fiber (Steel) Poly Stainless Steel Nickel

Lid Type: Ring-top Closed-top ✓ | Bungs: Present Missing

Drum Condition: Meet DOT Spec. Good Fair (Poor)

Drum Size: 110 85 (55) 42 30 16 10 5 Other

Drum Contents: (Full) 3/4 2/3 1/2 1/3 1/4 <1/4 Other

Overpacked: No (Yes) | Overpack Type: Steel (Poly) Fiber | Overpack Size: 95 Gallon

Layers	Liquid	Solid	Gel	Sludge	Color (Use standard colors)	Clear	Cloudy	Opaque	Layer Thickness (Inches)
A	X				Tan / Orange		X		24"
B				X	Tan			X	24"
C									

Field Analysis: pH 7 PID; CGI OVA / FID; Other

Drum Labels / Markings: DOT; UN / NA

Mfg. Name and Address:

Chemical Name:

Additional Information:

Haz-Cat Data

Radiation: Positive * Negative MREM / HR

Hazard Category:

Analyst: T. Curtis

Date Performed: 07-28-09

Layers	Liquid	Solid	Gel	Sludge	Color (Use standard colors)	Clear	Cloudy	Opaque	Water Sol (S, PS, or I; Rel. Dens. H or L)	React * (Air or Water)	pH (Use std. units)	Hex Sol (S or I)	Oxid (+ or -)	Per (+ or -)	Hal (+ or -)	Combust (XF, F, C, or NF)	Acid (Sul, CN, or As)	Sul (+ or -)	CN (+ or -)
A	X				Tan/Org		X		S	-	7	I	-	-	-	nf	-	-	-
B				X	Tan			X	I L	-	7	I	-	-	-	E	-	-	-
C																			

PCB Concentration Other Test

Comments

Bulk Group: Waste Stream:

Bulk Group Number: Waste Stream Number:

* If material is positive for radioactivity or is reactive with air or water, perform no further tests.

APPENDIX F

TABLE OF WITNESSES

(One Page)

GOODYEAR DUMP SITE
TABLE OF WITNESSES

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Nicholasville, Kentucky 40356
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APPENDIX G

DATA VALIDATION REPORT

AND

ANALYTICAL DATA PACKAGE

FOR CONFIRMATION SOIL SAMPLES

(49 Pages)
(Electronic copy on compact disc)

Site Name: Goodyear Dump Removal Site
Technical Direction Document Number (No.): TTEMI-05-001-0098
Contract No.: EP-W-05-054 (START III Region 4)
Data Reviewer: Harry Ellis

Quality Assurance (QA) Manager: Jessica A. Vickers
Analyses: Polychlorinated Biphenyls and Lead
Report Date: August 28, 2009

Laboratory Report No.	Samples	Field Duplicate Pairs	Field Blanks
G368-69	GYD-CS-001, GYD-CS-08, and GYD-CS-09	None	None
G368-70	GYD-CS-04, GYD-CS-05, GYD-CS-07, and GYD-CS-08-R1	GYD-CS-05 and GYD-CS-05-DUP	None
G368-71	GYD-CS-03, GYD-CS-05-R1, and GYD-CS-06	None	None
G368-72	GYD-CS-02	None	GYD-EB-001
G368-73	GYD-CS-10	None	None
G368-74	GYD-CS-11 and GYD-CS-12	None	None
G368-75	GYD-CS-13	None	None
G368-76	GYD-CS-14, GYD-CS-15, and GYD-CS-16	None	None

The Tetra Tech EM Inc. Superfund Technical Assessment and Response Team (START) conducted data validation of the analytical results for eighteen soil samples, one field duplicate soil sample, and one equipment blank that were collected at the Goodyear Dump Removal site in Mount Vernon, Rockcastle County, Kentucky, on June 25 through July 28, 2009. The samples were analyzed under laboratory reports Nos. G368-69, G368-70, G368-71, G368-72, G368-73, G368-74, G368-75, and G368-76 by SGS Environmental Services, Inc. (SGS), of Wilmington, North Carolina. The samples were analyzed for polychlorinated biphenyls (PCB) by SW-846 Method 8082 and/or lead by SW-846 Methods 6010B or 6020. Level IV data packages (including raw data) were requested from the laboratory, and a full validation was performed on the data sets.

Analytical data were evaluated in general accordance with applicable data validation guidance documents, including the following: the U.S. Environmental Protection Agency (EPA) Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Superfund Organic Methods Data Review (June 2008) and the EPA CLP NFG for Inorganic Data Review (October 2004). The analytical methods used by SGS during this project provide guidance on procedures and method acceptance criteria that, in some areas, differ from the NFGs. Where the methods and the NFGs differ, the data validators followed the acceptance criteria in the methods. In addition, if laboratory-derived acceptance criteria were presented in the SGS data packages, these criteria were used to evaluate the data unless the criteria were considered inadequate. The following is a list of qualifiers used for the validation of this data package:

J = The analyte was positively identified; the associated value is an approximate concentration of the analyte in the sample.
J+ = The analyte was positively identified; the associated value is an approximate concentration of the analyte in the sample and may be biased high.
U = The analyte was analyzed for, but was not detected above the associated value.

1955 Evergreen Blvd., Suite 300, Duluth, GA 30096
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www.tetratech.com

The laboratory specifications required that the following items be included in the data package:

- Cover page
- Case narrative, including brief descriptions of the analytical methods used and a summary of laboratory or analytical non-conformances, if any
- Field/laboratory sample designation cross-reference table
- Sample container certificates of cleanliness (as provided by the manufacturer)
- Data qualifier, abbreviation, and acronym definition page
- Sample results summary sheets
- Quality control (QC) sample summary forms, for all associated preparation and analytical batches, which present all of the results and QC summary data that are provided on CLP forms for organic and inorganic analyses. These forms should include results for the following:
  - Initial and continuing calibrations
  - Inorganic initial and continuing calibration verifications
  - Gas chromatography (GC) calibration verifications
  - Laboratory control samples (LCS) and LCS duplicates
  - Blanks (method, initial, continuing, and preparation)
  - Matrix spikes/matrix spike duplicates (MS/MSD)
  - System monitoring compound & surrogate results
  - ICP interference check sample results
  - ICP linear ranges
- Signed original chain-of-custody (COC) forms
- Laboratory sample receipt forms
- Sample preparation (extraction, digestion, etc.) logs
- Instrument and analysis run logs
- Raw data (for example, chromatograms, quantitation reports, and mass spectra) for all samples, QC samples, and calibrations.

Data were evaluated based on the following criteria:

- Data completeness
- Sample preservation, receipt, and holding times
- Gas chromatograph with electron capture detector (GC/ECD) instrument performance check
- Initial calibration
- Continuing calibration
- Calibration verification
- Initial and continuing calibration verification
- Field and laboratory blanks
- System monitoring compounds (surrogates)
- Inductively coupled plasma – interference check samples (ICP – ICS)
- Matrix spike/matrix spike duplicates (MS/MSD)
- Laboratory duplicate sample analysis
- Field duplicates
- Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD)
- Sample dilution
- Re-extraction and reanalysis

- Second column confirmation
- Target analyte identification
- Analyte quantitation and reported detection limits
- System performance and instrument stability

The data validation approach that was used should meet the needs of most data users and requirements for limits on uncertainty for decision-making using the data. This approach consisted of a review of all of the data, including the raw data. This data validation effort constituted a full validation of the data and involved a 100 percent check against applicable acceptance criteria of all QC parameter data, including the parameters listed above. In addition, all data that pertain to analyte identification, such as chromatograms and mass spectra, were checked completely (100 percent) to evaluate the accuracy of analyte identification.

The data validation effort also involved an in-depth quantitative check of a fraction of the data; this check involved recalculation of QC results (such as percent recoveries [%R] and relative percent difference [RPD] values) and target analyte results from the raw data. Results were recalculated at a frequency of 10 percent for the data that had been transcribed and generated by hand. Results for data calculated by software were recalculated at varying frequencies and to the extent necessary to confirm the adequacy of the software. If errors or discrepancies were encountered when any data were recalculated and checked, the extent of the data check was expanded, as necessary, to identify the full extent of the problem.

Enclosure 1 presents copies of the sample results sheets from the laboratory data package, with hand-entered qualifications from the data validation effort. Enclosure 2 presents the same data validation-qualified analytical results in table format. Enclosure 3 presents a copy of the chain-of-custody documentation for the data package. The following sections discuss the data package and provide an overall assessment of the data. This discussion concentrates on the irregularities associated with the various parameters.

DATA COMPLETENESS

The data packages for laboratory reports Nos. G368-69, G368-71, G368-72, G368-73, G368-74, G368-75, and G368-76 were complete as submitted. The data package submitted for laboratory report No. G368-70 contained only the first 23 of the 226 pages. The laboratory was contacted and quickly forwarded a complete electronic copy of the data package.

SAMPLE PRESERVATION, RECEIPT, AND HOLDING TIMES

The holding times were met for all sample analyses. The temperatures of the samples were within the QC limit of 4 ± 2 degrees Celsius when they arrived at the laboratory.

GC/ECD INSTRUMENT PERFORMANCE CHECK

All GC/ECD instrument performance checks for the analysis of PCBs met the acceptance criteria.

INITIAL CALIBRATION

The initial calibrations were analyzed at the proper frequencies and concentrations and met all requirements.

CONTINUING CALIBRATION

The continuing calibrations were analyzed at the proper frequencies and concentrations and met all requirements.

CALIBRATION VERIFICATION

The second source calibration verifications for the PCB analyses and the contract-required quantitation limit (CRQL) check standard (referred to as CRI) for the lead analyses were analyzed at the proper frequencies and concentrations and met all requirements.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

The initial and continuing calibration verifications for the lead analyses were analyzed at the proper frequencies and concentrations and met all requirements.

FIELD AND LABORATORY BLANKS

Method blanks and the equipment rinsate blank were free of target analytes, with the following exceptions. In the aqueous lead analysis for data package G368-72, the preparation blank contained lead at a concentration below the reporting limit (RL). Since the equipment rinsate blank contained no measurable lead, no qualifications were warranted. Some continuing calibration blanks analyzed with data packages G368-74 and G368-75 yielded low concentrations (less than the RL) of lead. No qualifications were required because the accompanying field samples contained much higher concentrations of lead.

SYSTEM MONITORING COMPOUNDS (SURROGATES)

Surrogates were diluted out in the PCB analysis for samples GYD-CS-11 and GYD-CS-12, because of dilutions required to bring the target compounds within calibration range. No qualifications were applied because of this situation. All measureable surrogate recoveries were within the laboratory-specified control limits.

INDUCTIVELY COUPLED PLASMA – INTERFERENCE CHECK SAMPLES (ICP – ICS)

All ICP-ICS data were within the QC limits.

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

MS/MSD analyses for PCBs were performed on various samples. All recoveries and the RPD value were within the laboratory-specified QC limits, with the following exceptions. For PCB analyses, the MS/MSD analyses in data package G368-75 were performed on sample GYD-CS-13. Recoveries of the spiked Aroclor 1254 were 138 and 132 percent, versus QC limits of 41 to 116 percent. The irregular recoveries were due to apparent interference (overlapping peaks) from the high content of Aroclor 1248 in the unspiked sample. The accompanying LCS yielded an acceptable recovery for Aroclor 1254. Therefore, no qualifications were applied. All other PCB MS/MSD results were within QC limits.

There were irregularities with many of the lead MS/MSD analyses. In data package G368-69, lead MS/MSD analyses were performed on sample GYD-CS-001. Recoveries were 127 and 112 percent, versus QC limits of 75 to 125 percent. This irregularity may be a result of irregular distribution of lead within the sample. Therefore, the result for lead in sample GYD-CS-001 was qualified as estimated and may be biased high (flagged “J+”).

In data package G368-72, lead MS/MSD analyses were performed on sample GYD-CS-02. Recoveries were 249 and 149 percent, versus QC limits of 75 to 125 percent and the RPD was 24 percent, versus the QC limit of 20 percent. This irregularity may be a result of irregular distribution of lead within the sample. Therefore the result for lead in sample GYD-CS-02 was qualified as estimated and may be biased high (flagged “J+”).

In data package G368-73, lead MS/MSD analyses were performed on sample GYD-CS-10. Recoveries were 183 and 46 percent, versus QC limits of 75 to 125 percent and the RPD was 59 percent, versus the QC limit of 20 percent. This irregularity may be a result of irregular distribution of lead within the sample. Therefore, the result for lead in sample GYD-CS-10 was qualified as estimated (flagged "J").

In data package G368-74, lead MS/MSD analyses were performed on sample GYD-CS-11. Recoveries were 248 and 152 percent, versus QC limits of 75 to 125 percent and the RPD was 29 percent, versus the QC limit of 20 percent. This irregularity may be a result of irregular distribution of lead within the sample. Therefore the results for lead in samples GYD-CS-11 and GYD-CS-12 were qualified as estimated and may be biased high (flagged "J+").

In data package G368-76, lead MS/MSD analyses were performed on sample GYD-CS-14. Recoveries were 118 and 70 percent, versus QC limits of 75 to 125 percent and the RPD was 32 percent, versus the QC limit of 20 percent. This irregularity may be a result of irregular distribution of lead within the sample. Therefore the results for lead in samples GYD-CS-14, GYD-CS-15, and GYD-CS-16 were qualified as estimated (flagged "J").

LABORATORY DUPLICATE SAMPLE ANALYSIS

Laboratory duplicate analyses were performed as required. All results were within specified QC limits.

FIELD DUPLICATES

Samples GYD-CS-05 and GYD-CS-05-DUP were collected as a field duplicate pair. All RPDs were within the QC guideline of 50 percent for soil samples.

LABORATORY CONTROL SAMPLES AND LABORATORY CONTROL SAMPLE DUPLICATES

All LCS and LCSD results were within the QC limits, with the following exceptions. In the PCB analysis of data package G368-73, the LCS recovery for Aroclor 1254 (113 percent) was biased high and outside specified QC limits of 75 to 107 percent. In contrast, the MS/MSD analyses (performed on a sample from another site) yielded recoveries of 99 and 95 percent. The LCS and MS/MSD samples received identical amounts of the same spiking solution. The preceding continuing calibration sample yielded a recovery of 112 percent for Aroclor 1254, within the QC limits of 85 to 115 percent. This slightly high LCS recovery may be a result of the slightly high response of the instrument at the time of analysis. Therefore, no qualifications were applied.

SAMPLE DILUTION

The following results for the listed samples required the indicated dilutions to place the results within the calibration range. This resulted in elevated reporting limits for the non-detect results.

Dilution	Sample Identification	Affected Analytes
2x	GYD-CS-08 and GYD-CS-10	PCBs
10x	GYD-CS-05, GYD-CS-05-DUP, GYD-CS-06, and GYD-CS-12	Lead
20x	GYD-CS-11	PCBs
50x	GYD-CS-12	PCBs

RE-EXTRACTION AND REANALYSIS

No re-extraction or reanalysis was required for the samples analyzed within these data packages.

SECOND COLUMN CONFIRMATION

For the PCBs analyses, the retention time confirmation between the primary and secondary columns for detected results was within QC limits.

TARGET ANALYTE IDENTIFICATION

The relative retention times (RRT) of the reported peaks in the PCB analyses were within ±0.06 RRT units of the standard RRTs. For each Aroclor, one column (the "front" column for some mixtures and the "back" column for others) was used for quantitation and the other column ("back" column or "front" column, as appropriate) was only used for confirmation of the identity of the mixture. Quantitative results between the two columns were always quite similar, so no qualifications were warranted.

ANALYTE QUANTITATION AND REPORTED DETECTION LIMITS

Sample results were checked for proper dilution factors, volumes, masses, and adjustments for moisture content. Sample results and RLs were correctly calculated. Sample results below the calibration range, or less than the laboratory RLs but greater than the method detection limits (MDLs), were qualified (flagged "J") as estimated.

In the PCB analyses, five peaks were used in the calibration for each Aroclor. There are some cases where peaks can be used to quantitate two Aroclors, because the patterns overlap. For example, the third and fifth peaks used for quantitation of Aroclor 1248 are the first and third peaks, respectively, for quantitation of Aroclor 1254. In samples GYD-CS-08 and GYD-CS-09, which contain these two mixtures, the laboratory noted that the fifth peak for Aroclor 1248 and the first peak for Aroclor 1254 indicated considerably higher detected concentrations than the other four peaks for each mixture. Therefore, the peaks were not used to quantitate the results for the two samples. This decision resulted in the use of four peaks for quantitation (the method requires at least three peaks) and gave the best estimate for the true concentrations of the PCB mixtures in the samples, so no qualifications were warranted.

SYSTEM PERFORMANCE AND INSTRUMENT STABILITY

No signs of degraded instrument performance were observed. Analytical systems were judged to have been within control and stable during the analyses.

OVERALL ASSESSMENT OF DATA

The overall quality of this data package was acceptable. Some lead data were qualified because of MS/MSD irregularities and reported results between the MDL and RL. Some PCB data were qualified because of reported results between the MDLs and RLs. All data can be used as qualified.

ENCLOSURE 1

LABORATORY ANALYTICAL RESULTS SHEETS WITH HAND-ENTERED DATA VALIDATION QUALIFIERS FOR SGS ENVIRONMENTAL SERVICES, INC. REPORTS NOS. G368-69, G368-70, G368-71, G368-72, G368-73, G368-74, G368-75, AND G368-76,

(31 Pages)

Print Date: 6/29/2009

Client Sample ID: **GYD-CS-001**
Client Project ID: Goodyear Dump Removal
Lab Sample ID: G368-69-1
Lab Project ID: G368-69

Collection Date: 25-Jun-09 17:41
Received Date: 26-Jun-09
Matrix: SOIL
Solids: 78.65
Basis: Dry

Results by 6010B

Parameter	Result		RL/CL	MDL	Units	DF	Qual	Date Analyzed
Lead	35.1	J+	1.18	0.729	MG/KG	1		26-Jun-09 0:00

Batch Information

Analytical Batch: 062609b.csv
Analytical Method: 6010B
Instrument: ICP
Analyst: PSW

Prep Batch: 14519
Prep Method: 3050
Prep Date/Time: 26-Jun-06 11:45
Initial Prep Wt./Vol.: 0.54
Prep Extract Vol: 50

HVE
12 August 2009

Print Date: 7/10/2009

Client Sample ID: **GYD-CS-02**
Client Project ID: Goodyear Dump
Lab Sample ID: G368-72-1
Lab Project ID: G368-72

Collection Date: 08-Jul-09 15:20
Received Date: 09-Jul-09
Matrix: SOIL
Solids: 75.50
Basis: Dry

Results by 6010B

Parameter	Result		RL/CL	MDL	Units	DF	Qual	Date Analyzed
Lead	**118**	J+	1.20	0.745	MG/KG	1		09-Jul-09 0:00

Batch Information

Analytical Batch: 070909b.csv
Analytical Method: 6010B
Instrument: ICP
Analyst: PSW

HUC
13 Aug 09

Prep Batch: 14604
Prep Method: 3050
Prep Date/Time: 09-Jul-09 11:45
Initial Prep Wt./Vol.: 0.55
Prep Extract Vol: 50

Print Date: 7/6/2009

Client Sample ID: **GYD-CS-03**
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-71-1
Lab Project ID: G368-71

Collection Date: 01-Jul-09 13:46
Received Date: 02-Jul-09
Matrix: SOIL
Solids: 84.71
Basis: Dry

Results by 6010B

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Lead	**10.9**	1.11	0.689	MG/KG	1		02-Jul-09 0:00

Batch Information

Analytical Batch: 070209c.csv
Analytical Method: 6010B
Instrument: ICP
Analyst: PSW

Prep Batch: 14560
Prep Method: 3050
Prep Date/Time: 02-Jul-09 11:45
Initial Prep Wt./Vol.: 0.53
Prep Extract Vol: 50

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13 Aug 09

Results for PCBs
by EPA 8082

Client Sample ID: GYD-CS-04
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-70-3B
Lab Project ID: G368-70
Initial Wt/Vol: 33.37 g
Final Volume: 10 mL
ColumnID: STX-CLPest

Analyzed By: BWS
Date Collected: 6/29/2009 18:08
Date Received: 6/30/2009
Date Extracted: 6/30/2009
Matrix: Soil
%SOLIDS: 79.6
Report Basis: Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	37.6	2.15	1	06/30/09	
Aroclor-1221	BQL	37.6	9.38	1	06/30/09	
Aroclor-1232	BQL	37.6	5.20	1	06/30/09	
Aroclor-1242	BQL	37.6	3.43	1	06/30/09	
Aroclor-1248	BQL	37.6	1.68	1	06/30/09	
Aroclor-1254	BQL	37.6	11.1	1	06/30/09	
Aroclor-1260	71.9	37.6	3.11	1	06/30/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	73.3	73.3
DCBP	100	86.7	86.7

HUE
13 Aug 09

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: [signature]

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Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-05	Analyzed By:	BWS
Client Project ID:	Goodyear Dump Site	Date Collected:	6/29/2009 17:47
Lab Sample ID:	G368-70-1B	Date Received:	6/30/2009
Lab Project ID:	G368-70	Date Extracted:	6/30/2009
Initial Wt/Vol:	33.94 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	84.2
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	35.0	2.00	1	07/01/09	
Aroclor-1221	BQL	35.0	8.72	1	07/01/09	
Aroclor-1232	BQL	35.0	4.83	1	07/01/09	
Aroclor-1242	BQL	35.0	3.19	1	07/01/09	
Aroclor-1248	**225**	35.0	1.56	1	07/01/09	
Aroclor-1254	BQL	35.0	10.3	1	07/01/09	
Aroclor-1260	BQL	35.0	2.89	1	07/01/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	78.4	78.4
DCBP	100	85.0	85.0

HUG
13 Aug 09

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

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Results for Metals

Client Sample ID:	GYD-CS-05			Analyzed By:	PSW
Client Project ID:	Goodyear Dump Site			Date Collected:	6/29/09 17:47
Lab Sample ID:	G368-70-1			Date Received:	6/30/09
Lab Project ID:	G368-70			Matrix:	SOIL
ICP InitWt/Vol:	0.51 g	Final Vol:	50 mL	Solids	84.16
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14543				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	11.1	1.16	0.0312	10	MG/KG	6020	7/1/09	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

HVE
13 Aug 09

Reviewed By: _____
Metals

Results for PCBs
by EPA 8082

Client Sample ID: GYD-CS-05-DUP
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-70-2B
Lab Project ID: G368-70
Initial Wt/Vol: 32.22 g
Final Volume: 10 mL
ColumnID: STX-CLPest

Analyzed By: BWS
Date Collected: 6/29/2009 17:47
Date Received: 6/30/2009
Date Extracted: 6/30/2009
Matrix: Soil
%SOLIDS: 83.4
Report Basis: Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	37.2	2.12	1	07/01/09	
Aroclor-1221	BQL	37.2	9.27	1	07/01/09	
Aroclor-1232	BQL	37.2	5.14	1	07/01/09	
Aroclor-1242	BQL	37.2	3.39	1	07/01/09	
Aroclor-1248	366	37.2	1.66	1	07/01/09	
Aroclor-1254	BQL	37.2	11.0	1	07/01/09	
Aroclor-1260	BQL	37.2	3.07	1	07/01/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	78.4	78.4
DCBP	100	85.0	85.0

HUE
13 Aug 09

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

Results for Metals

Client Sample ID:	GYD-CS-05-DUP			Analyzed By:	PSW
Client Project ID:	Goodyear Dump Site			Date Collected:	6/29/09 17:47
Lab Sample ID:	G368-70-2			Date Received:	6/30/09
Lab Project ID:	G368-70			Matrix:	SOIL
ICP InitWt/Vol:	0.58 g	Final Vol:	50 mL	Solids	83.39
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14543				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	11.7	1.03	0.0277	10	MG/KG	6020	7/1/09	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B = Amount in Prep Blank > MDL

HVE
13Aug 09

Reviewed By: Metals

Print Date: 7/6/2009

Client Sample ID: **GYD-CS-05-R1**
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-71-2D
Lab Project ID: G368-71

Collection Date: 01-Jul-09 16:12
Received Date: 02-Jul-09
Matrix: SOIL
Solids: 86.67
Basis: Dry

Results by 8082

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Aroclor-1016	BQL	34.0	1.94	UG/KG	1		02-Jul-09 16:11
Aroclor-1221	BQL	34.0	8.47	UG/KG	1		02-Jul-09 16:11
Aroclor-1232	BQL	34.0	4.70	UG/KG	1		02-Jul-09 16:11
Aroclor-1242	BQL	34.0	3.10	UG/KG	1		02-Jul-09 16:11
Aroclor-1248	BQL	34.0	1.51	UG/KG	1		02-Jul-09 16:11
Aroclor-1254	BQL	34.0	10.0	UG/KG	1		02-Jul-09 16:11
Aroclor-1260	BQL	34.0	2.81	UG/KG	1		02-Jul-09 16:11
Surrogates							
TCMX	79.8	40-120		%	1		02-Jul-09 16:11
DCBP	78.8	40-120		%	1		02-Jul-09 16:11

Batch Information

Analytical Batch: EC070209
Analytical Method: 8082
Instrument: ECD2
Analyst: BWS

Prep Batch: 14562
Prep Method: 3541
Prep Date/Time: 02-Jul-09 11:45
Initial Prep Wt./Vol.: 33.91
Prep Extract Vol: 10.0

AUG
13 Aug 09

Print Date: 7/6/2009

Client Sample ID: **GYD-CS-05-R1**
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-71-2
Lab Project ID: G368-71

Collection Date: 01-Jul-09 16:12
Received Date: 02-Jul-09
Matrix: SOIL
Solids: 86.67
Basis: Dry

Results by 6010B

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Lead	**4.02**	1.01	0.626	MG/KG	1		02-Jul-09 0:00

Batch Information

Analytical Batch: 070209c.csv
Analytical Method: 6010B
Instrument: ICP
Analyst: PSW

Prep Batch: 14560
Prep Method: 3050
Prep Date/Time: 02-Jul-09 11:45
Initial Prep Wt./Vol.: 0.57
Prep Extract Vol: 50

HVE
13 Aug 09

Print Date: 7/6/2009

Client Sample ID: **GYD-CS-06**
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-71-3
Lab Project ID: G368-71

Collection Date: 01-Jul-09 17:04
Received Date: 02-Jul-09
Matrix: SOIL
Solids: 78.48
Basis: Dry

Results by 6010B

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Lead	336	11.6	7.17	MG/KG	10		06-Jul-09 0:00

Batch Information

Analytical Batch: 070609a.csv
Analytical Method: 6010B
Instrument: ICP
Analyst: PSW

Prep Batch: 14560
Prep Method: 3050
Prep Date/Time: 02-Jul-09 11:45
Initial Prep Wt./Vol.: 0.55
Prep Extract Vol: 50

HJE
13 Aug 09

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-07	Analyzed By:	BWS
Client Project ID:	Goodyear Dump Site	Date Collected:	6/29/2009 18:34
Lab Sample ID:	G368-70-4B	Date Received:	6/30/2009
Lab Project ID:	G368-70	Date Extracted:	6/30/2009
Initial Wt/Vol:	32.39 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	82.5
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	37.4	2.13	1	06/30/09	
Aroclor-1221	BQL	37.4	9.32	1	06/30/09	
Aroclor-1232	BQL	37.4	5.16	1	06/30/09	
Aroclor-1242	BQL	37.4	3.41	1	06/30/09	
Aroclor-1248	BQL	37.4	1.66	1	06/30/09	
Aroclor-1254	BQL	37.4	11.0	1	06/30/09	
Aroclor-1260	BQL	37.4	3.09	1	06/30/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	85.2	85.2
DCBP	100	87.4	87.4

HUE
13 Aug 09

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: [signature]

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Print Date: 6/29/2009

Client Sample ID: **GYD-CS-08**
Client Project ID: Goodyear Dump Removal
Lab Sample ID: G368-69-2B
Lab Project ID: G368-69

Collection Date: 25-Jun-09 16:21
Received Date: 26-Jun-09
Matrix: SOIL
Solids: 80
Basis: Dry

Results by 8082

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Aroclor-1016	BQL	77.5	4.42	UG/KG	2		29-Jun-09 15:14
Aroclor-1221	BQL	77.5	19.3	UG/KG	2		29-Jun-09 15:14
Aroclor-1232	BQL	77.5	10.7	UG/KG	2		29-Jun-09 15:14
Aroclor-1242	BQL	77.5	7.07	UG/KG	2		29-Jun-09 15:14
Aroclor-1248	**848**	77.5	3.45	UG/KG	2		29-Jun-09 15:14
Aroclor-1254	**858**	77.5	22.9	UG/KG	2		29-Jun-09 15:14
Aroclor-1260	BQL	77.5	6.40	UG/KG	2		29-Jun-09 15:14
Surrogates							
TCMX	82.6	40-120		%	2		29-Jun-09 15:14
DCBP	90.7	40-120		%	2		29-Jun-09 15:14

Batch Information

Analytical Batch: EC062909
Analytical Method: 8082
Instrument: ECD2
Analyst: BWS

Prep Batch: 14523
Prep Method: 3541
Prep Date/Time: 26-Jun-09 11:45
Initial Prep Wt./Vol.: 32.24
Prep Extract Vol: 10.0

HJE
12 Aug 09

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-08-R1	Analyzed By:	BWS
Client Project ID:	Goodyear Dump Site	Date Collected:	6/29/2009 19:00
Lab Sample ID:	G368-70-7B	Date Received:	6/30/2009
Lab Project ID:	G368-70	Date Extracted:	6/30/2009
Initial Wt/Vol:	33.22 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	84.3
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	35.7	2.04	1	06/30/09	
Aroclor-1221	BQL	35.7	8.89	1	06/30/09	
Aroclor-1232	BQL	35.7	4.93	1	06/30/09	
Aroclor-1242	BQL	35.7	3.26	1	06/30/09	
Aroclor-1248	BQL	35.7	1.59	1	06/30/09	
Aroclor-1254	BQL	35.7	10.5	1	06/30/09	
Aroclor-1260	14.0	35.7	2.95	1	06/30/09	J

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	77.6	77.6
DCBP	100	86.5	86.5

HUG
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Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: [signature]

8082.xls

Print Date: 6/29/2009

Client Sample ID: **GYD-CS-09**
Client Project ID: Goodyear Dump Removal
Lab Sample ID: G368-69-3B
Lab Project ID: G368-69

Collection Date: 25-Jun-09 16:03
Received Date: 26-Jun-09
Matrix: SOIL
Solids: 81.01
Basis: Dry

Results by 8082

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Aroclor-1016	BQL	37.3	2.13	UG/KG	1		29-Jun-09 11:59
Aroclor-1221	BQL	37.3	9.30	UG/KG	1		29-Jun-09 11:59
Aroclor-1232	BQL	37.3	5.15	UG/KG	1		29-Jun-09 11:59
Aroclor-1242	BQL	37.3	3.40	UG/KG	1		29-Jun-09 11:59
Aroclor-1248	**113**	37.3	1.66	UG/KG	1		29-Jun-09 11:59
Aroclor-1254	**69.5**	37.3	11.0	UG/KG	1		29-Jun-09 11:59
Aroclor-1260	BQL	37.3	3.08	UG/KG	1		29-Jun-09 11:59
Surrogates							
TCMX	76.1	40-120		%	1		29-Jun-09 11:59
DCBP	80.9	40-120		%	1		29-Jun-09 11:59

Batch Information

Analytical Batch: EC062909
Analytical Method: 8082
Instrument: ECD2
Analyst: BWS

Prep Batch: 14523
Prep Method: 3541
Prep Date/Time: 26-Jun-09 11:45
Initial Prep Wt./Vol.: 33.06
Prep Extract Vol: 10.0

HUG
12 Aug 09

Print Date: 7/16/2009

Client Sample ID: **GYD-CS-10**
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-73-1G
Lab Project ID: G368-73

Collection Date: 14-Jul-09 13:28
Received Date: 15-Jul-09
Matrix: SOIL
Solids: 72.78
Basis: Dry

Results by 8082

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Aroclor-1016	BQL	86.8	4.95	UG/KG	2		16-Jul-09 12:06
Aroclor-1221	BQL	86.8	21.6	UG/KG	2		16-Jul-09 12:06
Aroclor-1232	BQL	86.8	12.0	UG/KG	2		16-Jul-09 12:06
Aroclor-1242	BQL	86.8	7.92	UG/KG	2		16-Jul-09 12:06
Aroclor-1248	**1270**	86.8	3.86	UG/KG	2		16-Jul-09 12:06
Aroclor-1254	BQL	86.8	25.6	UG/KG	2		16-Jul-09 12:06
Aroclor-1260	BQL	86.8	7.17	UG/KG	2		16-Jul-09 12:06
Surrogates							
TCMX	75.6	40-120		%	2		16-Jul-09 12:06
DCBP	83.8	40-120		%	2		16-Jul-09 12:06

Batch Information

Analytical Batch: EC071609
Analytical Method: 8082
Instrument: ECD2
Analyst: BWS

Prep Batch: 14646
Prep Method: 3541
Prep Date/Time: 15-Jul-09 11:45
Initial Prep Wt./Vol.: 31.65
Prep Extract Vol: 10.0

HUG
13 Aug 09

Print Date: 7/16/2009

Client Sample ID: **GYD-CS-10**
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-73-1
Lab Project ID: G368-73

Collection Date: 14-Jul-09 13:28
Received Date: 15-Jul-09
Matrix: SOIL
Solids: 72.78
Basis: Dry

Results by 6010B

Parameter	Result		RL/CL	MDL	Units	DF	Qual	Date Analyzed
Lead	71.6	J	1.23	0.759	MG/KG	1		15-Jul-09 0:00

Batch Information

Analytical Batch: 071509a.csv
Analytical Method: 6010B
Instrument: ICP
Analyst: PSW

Prep Batch: 14642
Prep Method: 3050
Prep Date/Time: 15-Jul-09 11:45
Initial Prep Wt./Vol.: 0.56
Prep Extract Vol: 50

HVE
13 Aug 09

Print Date: 7/20/2009

Client Sample ID: **GYD-CS-11**
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-74-1G
Lab Project ID: G368-74

Collection Date: 15-Jul-09 17:30
Received Date: 17-Jul-09
Matrix: SOIL
Solids: 78.62
Basis: Dry

Results by 8082

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Aroclor-1016	BQL	786	44.8	UG/KG	20		20-Jul-09 10:06
Aroclor-1221	BQL	786	196	UG/KG	20		20-Jul-09 10:06
Aroclor-1232	BQL	786	108	UG/KG	20		20-Jul-09 10:06
Aroclor-1242	BQL	786	71.7	UG/KG	20		20-Jul-09 10:06
Aroclor-1248	**6480**	786	35.0	UG/KG	20		20-Jul-09 10:06
Aroclor-1254	BQL	786	232	UG/KG	20		20-Jul-09 10:06
Aroclor-1260	BQL	786	64.9	UG/KG	20		20-Jul-09 10:06
Surrogates							
TCMX	NA	40-120		%	20		20-Jul-09 10:06
DCBP	NA	40-120		%	20		20-Jul-09 10:06

Batch Information

Analytical Batch: EC072009
Analytical Method: 8082
Instrument: ECD2
Analyst: BWS

Prep Batch: 14666
Prep Method: 3541
Prep Date/Time: 17-Jul-09 11:45
Initial Prep Wt./Vol.: 32.36
Prep Extract Vol: 10.0

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13 Aug 09

Print Date: 7/20/2009

Client Sample ID: **GYD-CS-11**
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-74-1
Lab Project ID: G368-74

Collection Date: 15-Jul-09 17:30
Received Date: 17-Jul-09
Matrix: SOIL
Solids: 78.62
Basis: Dry

Results by 6010B

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Lead	87.4 J+	1.06	0.656	MG/KG	1	B	17-Jul-09 0:00

Batch Information

Analytical Batch: 071709a.csv
Analytical Method: 6010B
Instrument: ICP
Analyst: PSW

Prep Batch: 14665
Prep Method: 3050
Prep Date/Time: 17-Jul-09 11:45
Initial Prep Wt./Vol.: 0.60
Prep Extract Vol: 50

HUE
13 Aug 09

Print Date: 7/20/2009

Client Sample ID: **GYD-CS-12**
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-74-2D
Lab Project ID: G368-74

Collection Date: 15-Jul-09 17:45
Received Date: 17-Jul-09
Matrix: SOIL
Solids: 74.6
Basis: Dry

Results by 8082

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Aroclor-1016	BQL	2060	117	UG/KG	50		17-Jul-09 18:39
Aroclor-1221	BQL	2060	512	UG/KG	50		17-Jul-09 18:39
Aroclor-1232	BQL	2060	284	UG/KG	50		17-Jul-09 18:39
Aroclor-1242	BQL	2060	188	UG/KG	50		17-Jul-09 18:39
Aroclor-1248	**21600**	2060	91.6	UG/KG	50		17-Jul-09 18:39
Aroclor-1254	BQL	2060	607	UG/KG	50		17-Jul-09 18:39
Aroclor-1260	BQL	2060	170	UG/KG	50		17-Jul-09 18:39
Surrogates							
TCMX	NA	40-120		%	50		17-Jul-09 18:39
DCBP	NA	40-120		%	50		17-Jul-09 18:39

Batch Information

Analytical Batch: EC071709
Analytical Method: 8082
Instrument: ECD2
Analyst: BWS

Prep Batch: 14666
Prep Method: 3541
Prep Date/Time: 17-Jul-09 11:45
Initial Prep Wt./Vol.: 32.56
Prep Extract Vol: 10.0

AVG
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Print Date: 7/20/2009

Client Sample ID: **GYD-CS-12**
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-74-2
Lab Project ID: G368-74

Collection Date: 15-Jul-09 17:45
Received Date: 17-Jul-09
Matrix: SOIL
Solids: 74.60
Basis: Dry

Results by 6010B

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Lead	415 3+	12.4	7.68	MG/KG	10	B	20-Jul-09 0:00

Batch Information

Analytical Batch: 072009a.csv
Analytical Method: 6010B
Instrument: ICP
Analyst: PSW

Prep Batch: 14665
Prep Method: 3050
Prep Date/Time: 17-Jul-09 11:45
Initial Prep Wt./Vol.: 0.54
Prep Extract Vol: 50

HVE
13 Aug 09

Print Date: 7/23/2009

Client Sample ID: **GYD-CS-13**
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-75-1G
Lab Project ID: G368-75

Collection Date: 21-Jul-09 15:53
Received Date: 22-Jul-09
Matrix: SOIL
Solids: 86
Basis: Dry

Results by 8082

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Aroclor-1016	BQL	36.2	2.07	UG/KG	1		23-Jul-09 11:41
Aroclor-1221	BQL	36.2	9.03	UG/KG	1		23-Jul-09 11:41
Aroclor-1232	BQL	36.2	5.00	UG/KG	1		23-Jul-09 11:41
Aroclor-1242	BQL	36.2	3.31	UG/KG	1		23-Jul-09 11:41
Aroclor-1248	**365**	36.2	1.61	UG/KG	1		23-Jul-09 11:41
Aroclor-1254	BQL	36.2	10.7	UG/KG	1		23-Jul-09 11:41
Aroclor-1260	BQL	36.2	2.99	UG/KG	1		23-Jul-09 11:41
Surrogates							
TCMX	83.2	40-120		%	1		23-Jul-09 11:41
DCBP	88.6	40-120		%	1		23-Jul-09 11:41

Batch Information

Analytical Batch: EC072309
Analytical Method: 8082
Instrument: ECD2
Analyst: BWS

Prep Batch: 14706
Prep Method: 3541
Prep Date/Time: 22-Jul-09 11:45
Initial Prep Wt./Vol.: 32.07
Prep Extract Vol: 10.0

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Print Date: 7/23/2009

Client Sample ID: **GYD-CS-13**
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-75-1
Lab Project ID: G368-75

Collection Date: 21-Jul-09 15:53
Received Date: 22-Jul-09
Matrix: SOIL
Solids: 86.00
Basis: Dry

Results by 6010B

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Lead	**116**	1.16	0.720	MG/KG	1	B	22-Jul-09 0:00

Batch Information

Analytical Batch: 072209a.csv
Analytical Method: 6010B
Instrument: ICP
Analyst: PSW

Prep Batch: 14697
Prep Method: 3050
Prep Date/Time: 22-Jul-09 11:45
Initial Prep Wt./Vol.: 0.50
Prep Extract Vol: 50

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Print Date: 7/30/2009

Client Sample ID: **GYD-CS-14**
Client Project ID: Goodyear Dump 05-001-0098
Lab Sample ID: G368-76-1G
Lab Project ID: G368-76

Collection Date: 28-Jul-09 11:41
Received Date: 29-Jul-09
Matrix: SOIL
Solids: 80.54
Basis: Dry

Results by 8082

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Aroclor-1016	BQL	34.9	1.99	UG/KG	1		29-Jul-09 23:56
Aroclor-1221	BQL	34.9	8.70	UG/KG	1		29-Jul-09 23:56
Aroclor-1232	BQL	34.9	4.82	UG/KG	1		29-Jul-09 23:56
Aroclor-1242	BQL	34.9	3.19	UG/KG	1		29-Jul-09 23:56
Aroclor-1248	**69.1**	34.9	1.55	UG/KG	1		29-Jul-09 23:56
Aroclor-1254	BQL	34.9	10.3	UG/KG	1		29-Jul-09 23:56
Aroclor-1260	**30.0**	34.9	2.88	UG/KG	1	J	29-Jul-09 23:56
Surrogates							
TCMX	72.9	40-120		%	1		29-Jul-09 23:56
DCBP	90.9	40-120		%	1		29-Jul-09 23:56

Batch Information

Analytical Batch: EC072909
Analytical Method: 8082
Instrument: ECD2
Analyst: BWS

Prep Batch: 14760
Prep Method: 3541
Prep Date/Time: 29-Jul-09 11:45
Initial Prep Wt./Vol.: 35.54
Prep Extract Vol: 10.0

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Print Date: 7/30/2009

Client Sample ID: **GYD-CS-14**
Client Project ID: Goodyear Dump 05-001-0098
Lab Sample ID: G368-76-1
Lab Project ID: G368-76

Collection Date: 28-Jul-09 11:41
Received Date: 29-Jul-09
Matrix: SOIL
Solids: 80.54
Basis: Dry

Results by 6010B

Parameter	Result		RL/CL	MDL	Units	DF	Qual	Date Analyzed
Lead	**37.0**	J	1.05	0.651	MG/KG	1		29-Jul-09 0:00

Batch Information

Analytical Batch: 072909b.csv
Analytical Method: 6010B
Instrument: ICP
Analyst: PSW

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Prep Batch: 14758
Prep Method: 3050
Prep Date/Time: 29-Jul-09 11:45
Initial Prep Wt./Vol.: 0.59
Prep Extract Vol: 50

Print Date: 7/30/2009

Client Sample ID: **GYD-CS-15**
Client Project ID: Goodyear Dump 05-001-0098
Lab Sample ID: G368-76-2D
Lab Project ID: G368-76

Collection Date: 28-Jul-09 11:56
Received Date: 29-Jul-09
Matrix: SOIL
Solids: 80.87
Basis: Dry

Results by 8082

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Aroclor-1016	BQL	37.1	2.12	UG/KG	1		30-Jul-09 0:09
Aroclor-1221	BQL	37.1	9.24	UG/KG	1		30-Jul-09 0:09
Aroclor-1232	BQL	37.1	5.12	UG/KG	1		30-Jul-09 0:09
Aroclor-1242	BQL	37.1	3.38	UG/KG	1		30-Jul-09 0:09
Aroclor-1248	64.1	37.1	1.65	UG/KG	1		30-Jul-09 0:09
Aroclor-1254	BQL	37.1	10.9	UG/KG	1		30-Jul-09 0:09
Aroclor-1260	BQL	37.1	3.06	UG/KG	1		30-Jul-09 0:09
Surrogates							
TCMX	84.1	40-120		%	1		30-Jul-09 0:09
DCBP	88.7	40-120		%	1		30-Jul-09 0:09

Batch Information

Analytical Batch: EC072909
Analytical Method: 8082
Instrument: ECD2
Analyst: BWS

Prep Batch: 14760
Prep Method: 3541
Prep Date/Time: 29-Jul-09 11:45
Initial Prep Wt./Vol.: 33.32
Prep Extract Vol: 10.0

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Print Date: 7/30/2009

Client Sample ID: **GYD-CS-15**
Client Project ID: Goodyear Dump 05-001-0098
Lab Sample ID: G368-76-2
Lab Project ID: G368-76

Collection Date: 28-Jul-09 11:56
Received Date: 29-Jul-09
Matrix: SOIL
Solids: 80.87
Basis: Dry

Results by 6010B

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Lead	10.2 J	1.12	0.696	MG/KG	1		29-Jul-09 0:00

Batch Information

Analytical Batch: 072909b.csv
Analytical Method: 6010B
Instrument: ICP
Analyst: PSW

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Prep Batch: 14758
Prep Method: 3050
Prep Date/Time: 29-Jul-09 11:45
Initial Prep Wt./Vol.: 0.55
Prep Extract Vol: 50

Print Date: 7/30/2009

Client Sample ID: **GYD-CS-16**
Client Project ID: Goodyear Dump 05-001-0098
Lab Sample ID: G368-76-3D
Lab Project ID: G368-76

Collection Date: 28-Jul-09 12:18
Received Date: 29-Jul-09
Matrix: SOIL
Solids: 86.21
Basis: Dry

Results by 8082

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Aroclor-1016	BQL	34.3	1.96	UG/KG	1		30-Jul-09 0:22
Aroclor-1221	BQL	34.3	8.54	UG/KG	1		30-Jul-09 0:22
Aroclor-1232	BQL	34.3	4.74	UG/KG	1		30-Jul-09 0:22
Aroclor-1242	BQL	34.3	3.13	UG/KG	1		30-Jul-09 0:22
Aroclor-1248	BQL	34.3	1.53	UG/KG	1		30-Jul-09 0:22
Aroclor-1254	BQL	34.3	10.1	UG/KG	1		30-Jul-09 0:22
Aroclor-1260	BQL	34.3	2.83	UG/KG	1		30-Jul-09 0:22
Surrogates							
TCMX	84.7	40-120		%	1		30-Jul-09 0:22
DCBP	93.8	40-120		%	1		30-Jul-09 0:22

Batch Information

Analytical Batch: EC072909
Analytical Method: 8082
Instrument: ECD2
Analyst: BWS

Prep Batch: 14760
Prep Method: 3541
Prep Date/Time: 29-Jul-09 11:45
Initial Prep Wt./Vol.: 33.80
Prep Extract Vol: 10.0

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Print Date: 7/30/2009

Client Sample ID: **GYD-CS-16**
Client Project ID: Goodyear Dump 05-001-0098
Lab Sample ID: G368-76-3
Lab Project ID: G368-76

Collection Date: 28-Jul-09 12:18
Received Date: 29-Jul-09
Matrix: SOIL
Solids: 86.21
Basis: Dry

Results by 6010B

Parameter	Result		RL/CL	MDL	Units	DF	Qual	Date Analyzed
Lead	7.21	J	1.16	0.718	MG/KG	1		29-Jul-09 0:00

Batch Information

Analytical Batch: 072909b.csv
Analytical Method: 6010B
Instrument: ICP
Analyst: PSW

Prep Batch: 14758
Prep Method: 3050
Prep Date/Time: 29-Jul-09 11:45
Initial Prep Wt./Vol.: 0.50
Prep Extract Vol: 50

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Print Date: 7/10/2009

Client Sample ID: **GYD-EB-001**
Client Project ID: Goodyear Dump
Lab Sample ID: G368-72-2C
Lab Project ID: G368-72

Collection Date: 08-Jul-09 14:15
Received Date: 09-Jul-09
Matrix: WATER

Results by 8082

Parameter	Result	RL/CL	MDL	Units	DF	Qual	Date Analyzed
Aroclor-1016	BQL	0.566 U	0.0713	UG/L	1		10-Jul-09 13:06
Aroclor-1221	BQL	0.566	0.182	UG/L	1		10-Jul-09 13:06
Aroclor-1232	BQL	0.566	0.128	UG/L	1		10-Jul-09 13:06
Aroclor-1242	BQL	0.566	0.0578	UG/L	1		10-Jul-09 13:06
Aroclor-1248	BQL	0.566	0.103	UG/L	1		10-Jul-09 13:06
Aroclor-1254	BQL	0.566	0.167	UG/L	1		10-Jul-09 13:06
Aroclor-1260	BQL	0.566 U	0.0895	UG/L	1		10-Jul-09 13:06
Surrogates							
TCMX	90.5	40-120		%	1		10-Jul-09 13:06
DCBP	52.9	40-120		%	1		10-Jul-09 13:06

Batch Information

Analytical Batch: EC071009
Analytical Method: 8082
Instrument: ECD2
Analyst: BWS

Prep Batch: 14608
Prep Method: 3520
Prep Date/Time: 09-Jul-09 11:45
Initial Prep Wt./Vol.: 883
Prep Extract Vol: 5.0

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Print Date: 7/10/2009

Client Sample ID: **GYD-EB-001**
Client Project ID: Goodyear Dump
Lab Sample ID: G368-72-3
Lab Project ID: G368-72

Collection Date: 08-Jul-09 14:15
Received Date: 09-Jul-09
Matrix: WATER

Results by 6010B

Parameter	Result	RL/CL		MDL	Units	DF	Qual	Date Analyzed
Lead	BQL	0.0100	U	0.00679	MG/L	1	B	10-Jul-09 0:00

Batch Information

Analytical Batch: 071009a.csv
Analytical Method: 6010B
Instrument: ICP
Analyst: PSW

Prep Batch: 14607
Prep Method: 3010
Prep Date/Time: 09-Jul-09 11:45
Initial Prep Wt./Vol.: 50.00
Prep Extract Vol: 50

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ENCLOSURE 2

DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS FOR SGS ENVIRONMENTAL SERVICES, INC. REPORTS NOS. G368-69, G368-70, G368-71, G368-72, G368-73, G368-74, G368-75, AND G368-76

(One Page)

DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS FOR SGS ENVIRONMENTAL SERVICES, INC. REPORT NOS. G368-69 THROUGH G368-76

Sample Designation:	**GYD-CS-001**	**GYD-CS-02**	**GYD-CS-03**	**GYD-CS-04**	**GYD-CS-05**
Sample Collection Date:	**25-Jun-09**	**08-Jul-09**	**01-Jul-09**	**29-Jun-09**	**29-Jun-09**
Polychlorinated Biphenyls	µg/kg, dry weight	µg/kg, dry weight	µg/kg, dry weight	µg/kg, dry weight	µg/kg, dry weight
Aroclor-1016	NA	NA	NA	37.6 U	35.0 U
Aroclor-1221	NA	NA	NA	37.6 U	35.0 U
Aroclor-1232	NA	NA	NA	37.6 U	35.0 U
Aroclor-1242	NA	NA	NA	37.6 U	35.0 U
Aroclor-1248	NA	NA	NA	37.6 U	**225**
Aroclor-1254	NA NA		NA	37.6 U	35.0 U
Aroclor-1260	NA	NA	NA	**71.9**	35.0 U
Metals	mg/kg, dry weight	mg/kg, dry weight	mg/kg, dry weight	mg/kg, dry weight	mg/kg, dry weight
Lead	**35.1 J+**	**118 J+**	**10.9**	NA	**11.1**

Sample Designation:	**GYD-CS-05-DUP**	**GYD-CS-05-R1**	**GYD-CS-06**	**GYD-CS-07**	**GYD-CS-08**
Sample Collection Date:	**29-Jun-09**	**01-Jul-09**	**01-Jul-09**	**29-Jun-09**	**25-Jun-09**
Field Quality Control:	**Field Duplicate**				
Polychlorinated Biphenyls	µg/kg, dry weight	µg/kg, dry weight	µg/kg, dry weight	µg/kg, dry weight	µg/kg, dry weight
Aroclor-1016	37.2 U	34.0 U	NA	37.4 U	77.5 U
Aroclor-1221	37.2 U	34.0 U	NA	37.4 U	77.5 U
Aroclor-1232	37.2 U	34.0 U	NA	37.4 U	77.5 U
Aroclor-1242	37.2 U	34.0 U	NA	37.4 U	77.5 U
Aroclor-1248	**366**	34.0 U	NA	37.4 U	**848**
Aroclor-1254	37.2 U	34.0 U	NA	37.4 U	**858**
Aroclor-1260	37.2 U	34.0 U	NA	37.4 U	77.5 U
Metals	mg/kg, dry weight	mg/kg, dry weight	mg/kg, dry weight	mg/kg, dry weight	mg/kg, dry weight
Lead	**11.7**	**4.02**	**336**	NA	NA

Sample Designation:	**GYD-CS-08-R1**	**GYD-CS-09**	**GYD-CS-10**	**GYD-CS-11**	**GYD-CS-12**
Sample Collection Date:	**29-Jun-09**	**25-Jun-09**	**14-Jul-09**	**15-Jul-09**	**15-Jul-09**
Polychlorinated Biphenyls	µg/kg, dry weight	µg/kg, dry weight	µg/kg, dry weight	µg/kg, dry weight	µg/kg, dry weight
Aroclor-1016	35.7 U	37.3 U	86.8 U	786 U	2060 U
Aroclor-1221	35.7 U	37.3 U	86.8 U	786 U	2060 U
Aroclor-1232	35.7 U	37.3 U	86.8 U	786 U	2060 U
Aroclor-1242	35.7 U	37.3 U	86.8 U	786 U	2060 U
Aroclor-1248	35.7 U	**113**	**1270**	**6480**	**21600**
Aroclor-1254	35.7 U	**69.5**	86.8 U	786 U	2060 U
Aroclor-1260	**14.0 J**	37.3 U	86.8 U	786 U	2060 U
Metals	mg/kg, dry weight	mg/kg, dry weight	mg/kg, dry weight	mg/kg, dry weight	mg/kg, dry weight
Lead	NA	NA	**71.6 J**	**87.4 J+**	**415 J+**

Sample Designation:	**GYD-CS-13**	**GYD-CS-14**	**GYD-CS-15**	**GYD-CS-16**	**GYD-EB-001**
Sample Collection Date:	**21-Jul-09**	**28-Jul-09**	**28-Jul-09**	**28-Jul-09**	**08-Jul-09**
Polychlorinated Biphenyls	µg/kg, dry weight	µg/kg, dry weight	µg/kg, dry weight	µg/kg, dry weight	µg/L
Aroclor-1016	36.2 U	34.9 U	37.1 U	34.3 U	0.566 U
Aroclor-1221	36.2 U	34.9 U	37.1 U	34.3 U	0.566 U
Aroclor-1232	36.2 U	34.9 U	37.1 U	34.3 U	0.566 U
Aroclor-1242	36.2 U	34.9 U	37.1 U	34.3 U	0.566 U
Aroclor-1248	**365**	**69.1**	**64.1**	34.3 U	0.566 U
Aroclor-1254	36.2 U	34.9 U	37.1 U	34.3 U	0.566 U
Aroclor-1260	36.2 U	**30.0 J**	37.1 U	34.3 U	0.566 U
Metals	mg/kg, dry weight	mg/kg, dry weight	mg/kg, dry weight	mg/kg, dry weight	mg/L
Lead	**116**	**37.0 J**	**10.2 J**	**7.21 J**	0.0100 U

Notes:

µg/kg = Micrograms per kilogram
mg/kg = Milligrams per kilogram
µg/L = Micrograms per liter
mg/L = Milligrams per liter
J = The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+ = The analyte was positively identified and biased high; the associated value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at or above the associated value.
NA = Not applicable.

TETRA TECH

ENCLOSURE 3

CHAIN-OF-CUSTODY DOCUMENTATION FOR SGS ENVIRONMENTAL SERVICES, INC. REPORTS NOS. G368-69, G368-70, G368-71, G368-72, G368-73, G368-74, G368-75, AND G368-76,

(Eight Pages)

SGS

CHAIN OF CUSTODY RECORD
SGS North America Inc.

G368-69

Locations Nationwide
- Alaska
- New Jersey
- North Carolina
- Maryland
- New York
- Ohio

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098404

(1)

CLIENT: TETRA TECH

CONTACT: SHERRY WEEDMAN PHONE NO:(502) 568-6688

PROJECT: GOODYEAR DUMP SITE/PWSID#:

REPORTS TO: SHERRY WEEDMAN FAX NO.:(502) 568-6222

INVOICE TO: QUOTE #:

P.O. NUMBER:

SGS Reference:

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C= COMP, G= GRAB)	Analysis Required (3): LEAD, TOTAL GOIOC	PCBS 8082A								REMARKS
							Preservatives Used	ICE	ICE							
	GYD-CS-001	6-25-09	1741	S	1	C	X									* 24 HOUR TAT
	GYD-CS-08	↓	1621	↓	↓	↓		X								
	GYD-CS-09	↓	1603	↓	↓	↓		X								

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
TODD CURTIS	6-25-09	2200	
Relinquished By: (2)	Date	Time	Received By:
	6/26/09	1000	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature°C: 5.9°C

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time:

☒ RUSH 24 Hour (Date Needed) ☐ STD

❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

G368-70

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Locations Nationwide
- Alaska
- New Jersey
- North Carolina
- Maryland
- New York
- Ohio

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098402

(1)

CLIENT: TETRA TECH

CONTACT: SHERRY WEEDMAN PHONE NO:(502) 568-6688

PROJECT: GOODYEAR DUMP SITE/PWSID# :

REPORTS TO:

SHERRY WEEDMAN FAX NO.:(502) 568-6222

INVOICE TO: QUOTE #:

P.O. NUMBER:

SGS Reference:

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C= COMP, G= GRAB)	Preservatives Used: ICE	ICE								REMARKS
							Analysis Required (3): LEAD, TOTAL GOLD	PCB'S 8082A								
	GYD-CS-05	6-29-09	1747	S	1	C	X	X								24 HOUR TAT
	GYD-CS-05-DUP	↓	1747	↓	↓	↓	X	X								
	GYD-CS-04	↓	1808	↓	↓	↓		X								
	GYD-CS-07	↓	1834	↓	↓	↓		X								MS/MSD
	GYD-CS-08-R1	↓	1900	↓	↓	↓		X								

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
TODD CURTIS	6-29-09	2031	
Relinquished By: (2)	6/30/09	1010	
Relinquished By: (3)			
Relinquished By: (4)			

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature°C: 5.9°C

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time:

☐ RUSH _____ Date Needed ☐ STD

❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

G368-71

(C of C) LIMS No: _____

Research

Request for Laboratory Services or CHAIN OF CUSTODY (General)

Environmental Laboratory, 185 Concession St., Lakefield, ON, K0L 2H0 Phone: [illegible] Toll Free: 1-877-848-8060 Fax: 705-652-6365 Web: www.

Laboratory use only

Upon receipt: _____

Received: ____/____/____ mm/d

Logged-in Date: ____/____/____

Temperature upon receipt: _____

Quote #: ENV2004

Attached Parameter List: ☐ NO ☐ YES

Requested Turnaround Time: Lab App.

[illegible] ☒ 7-10 d ☐

5-7 d ☐ Other: ☐ Specify: _____

*Rush TA requests require lab approval

Fax:

Information

PO No.:

Project No.:

Company Name: TETRA TECH

Contact: SHERRY WEEDMAN

Client Lab #:

Address: 2000 WASHINGTON WAY SUITE 245 LOUISVILLE KY 40222

Phone Number: 502-568-6688

After Hours Phone Number:

Fax Number: 502-568-6222

Email: SHERRY.WEEDMAN@TTEMI.COM

Results will be sent via email to an unlimited number of addresses for no additional fee. In the absence of email, fax is available upon request but limited to one fax number free

Format (please check one): Email-PDF ☐ Email-Excel ☐ Fax ☒

	Sample Identifier	Date Sampled	Time	# of Bottles	Analysis: LEAD TOTAL 6010C	TRBS 8082A						
1	GYD-CS-03	7-1-09	1346	2	☒	☐	☐	☐	☐	☐	☐	
2	GYD-CS-05-R1	↓	1612	↓	☒	☒	☐	☐	☐	☐	☐	☐
3	GYD-CS-06	↓	1704	↓	☒	☐	☐	☐	☐	☐	☐	☐
4					☐	☐	☐	☐	☐	☐	☐	☐
5					☐	☐	☐	☐	☐	☐	☐	☐
6					☐	☐	☐	☐	☐	☐	☐	☐
7					☐	☐	☐	☐	☐	☐	☐	☐
8					☐	☐	☐	☐	☐	☐	☐	☐
9					☐	☐	☐	☐	☐	☐	☐	☐
10					☐	☐	☐	☐	☐	☐	☐	☐

Sampled By: TODD CURTIS [signature] Date: 7-1-09 2025

Authorization to Perform Work: _____ Date: ____/____/____ (mm/dd/yy)

Revision #: 1.6

CONFIDENTIAL

Page 1 of 1

Received by: [signature] 5.9 10:00 7/2/09

no seal

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- New Jersey
- North Carolina
- West Virginia

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091365

(1)

CLIENT: Tetra Tech

CONTACT: Jessica Vickers PHONE NO: (678) 983-6655

PROJECT: Goodyear Dump SITE/PWSID#: 05-001-0098

REPORTS TO: Jessica Vickers E-MAIL: jessica.vickers@tetrai.com

FAX NO.: (678) 775-3138

INVOICE TO: Tetra Tech, 1955 Evergreen Blvd, Bldg 200 STE 300, Duluth, GA 30096 QUOTE # 05-001-0098.

P.O. NUMBER

SGS Reference: 5368-72

PAGE ____ OF ____

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C= COMP, G= GRAB)	Lead, Total	Lead Total	8082	REMARKS
						Preservatives Used			HNO3	
	GYD-CS-02	07/08/09	1520	Soil	2	C	X			MS/MSD
	GYD-EB-001	07/08/09	1415	Aqueous	2		X		X	
	GYD-EB-001	07/08/09	1415	Aqueous	1			X		

(3) Analysis Required

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature °C: 5.9°C

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time: ☒ RUSH 07/09/09 Date Needed ☐ STD

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:	Date	Time
[signature]			[signature]	7/9/09	1020
Relinquished By: (2)	Date	Time	Received By:	Date	Time
Relinquished By: (3)	Date	Time	Received By:	Date	Time
Relinquished By: (4)	Date	Time	Received By:	Date	Time

☐ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
☒ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557
☐ 1270 Greenbrier Street **Charleston, WV 25311** Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

SGS

[redacted]

phone 90[redacted]563.[redacted]210

Chain of Custody Record

6368-73

[redacted]

Client Contact		Project Manager: SHERRY WEEDMAN	Site Contact: TODD CURTIS	Date: 7-14-09	COC No:
Your Company Name here	TETRA TECH	Tel/Fax:	Lab Contact:	Carrier:	1 of 1 COCs
Address	2000 WARRINGTON WAY	Analysis Turnaround Time			Job No.
City/State/Zip	LOUISVILLE, KY	Calendar (C) or Work Days (W)			SDG No.
(xxx) xxx-xxxx	Phone	TAT if different from Below 24 HRS			
(xxx) xxx-xxxx	FAX	☐ 2 weeks			
Project Name:	GOODYEAR DUMP SITE	☐ 1 week			
Site:		☐ 2 days			
PO#		☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	LEAD TOTAL	PCB	Sample Specific Notes:
1 GYD-CS-10	7-14-09	1328	~~Grab~~ C	S	2		X	X	

Page 5 of 5

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: REPORTS TO JESSICA VICKERS EMAIL: JESSICA.VICKERS@TTEMI.COM FAX: 678-775-3138
INVOICE TO: TETRA TECH
1955 EVERGREEN BLVD, BLDG 200, STE 300 QUOTE #: 05-001-0098
DULUTH GA 30096

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TETRA TECH	7-14-09 / 2100	[signature]	SGS 3.7°C	7/15/09 1000
Relinquished by:	Company:	Date Time:	Received by: NO CUSTODY	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Anchorage
2[illegible] International Airport Road
[illegible]
Anchorage, AK [illegible]502
phone 907.563.9200 fax 907.563.9210

SGS

Chain of Custody Record

G368-74

TestAmerica Laboratories, Inc.

Client Contact		Project Manager: SHERRY WEEDMAN	Site Contact: TODD CURTIS	Date: 7-16-09	COC No:
Your Company Name here	TETRA TECH	Tel/Fax: 502-568-6688	Lab Contact:	Carrier:	1 of 1 COCs
Address	1955 EVERGREEN BLVD BLDG 200 STE 300	Analysis Turnaround Time			Job No.
City/State/Zip	~~Louisville, KY~~ DULUTH, GA 30096	Calendar (C) or Work Days (W)			SDG No.
(xxx) xxx-xxxx	Phone 678 983 6655	TAT if different from Below 24 HR			
(xxx) xxx-xxxx	FAX 678 775 3138	☐ 2 weeks			
Project Name:	GOODYEAR DUMP SITE	☐ 1 week			
Site:	OS-001-0098	☐ 2 days			
PO#		☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Total Lead	PCBs	Sample Specific Notes:
✓ GYD-CS-11	7-16-09	1738	COMP	S	2		X	X	
✓ GYD-CS-12	↓	1745	↓	↓	2		X	X	

Page 7 of 7

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

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

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

Special Instructions/QC Requirements & Comments: INVOICE TO: TETRA TECH
1955 EVERGREEN BLVD BLDG 200 STE 300
DULUTH, GA 30096

REPORTS TO: JESSICA VICKERS
JESSICA.VICKERS@TTEMI.COM

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TT	7-16-09 2100	[signature]	SGS	7/17/09 1010
Relinquished by:	Company:	Date/Time:	Received by: NO CUSTODY SEAL	Company: 4.2° C	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Anchorage
2000 W. International Airport Road
Suite C10
Anchorage, AK 99502
phone 907.563.9200 fax 907.563.9210

SGS

G368-75

Chain of Custody Record

TestAmerica

TestAmerica Laboratories, Inc.

Client Contact			
Your Company Name here	TETRA TECH	Project Manager:	SHERRY WEEDMAN
Address	1955 EVERGREEN BLVD BLDG 200 STE 300	Tel/Fax:	502-368-6688
City/State/Zip	DULUTH, GA 30096		
(xxx) xxx-xxxx	Phone 678-983-6655		
(xxx) xxx-xxxx	FAX 678-775-3138		
Project Name:	GOODYEAR DUMP		
Site:	OS-001-0098		
P O #			

Analysis Turnaround Time

Calendar (C) or Work Days (W) _____

TAT if different from Below 24

- ☐ 2 weeks
- ☐ 1 week
- ☐ 2 days
- ☐ 1 day

Site Contact: TODD CURTIS
Lab Contact:
Date: 7-21-09
Carrier:

COC No. 1 of 1 COCs

Job No.

SDG No.

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Total Lead	PCBs	Sample Specific Notes:
GYD-CS-13	7-21-09	1553	comp	S	2		X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

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

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

Special Instructions/QC Requirements & Comments: INVOICE TO: TETRA TECH
1955 EVERGREEN BLVD BLDG 200 STE 300
DULUTH, GA 30096

REPORTS TO: JESSICA VICKERS
JESSICA.VICKERS@TTEMI.COM

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TETRA TECH	7/20/09 2300			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by: [signature] 5.0 no seal	Company: SGS	Date/Time: 7/22/09 10:05

SGS TestAmerica

CHAIN OF CUSTODY RECORD

G368-76

☐ Nashville, TN ☐ Dayton, OH ☐ Indianapolis, IN
☐ Orlando, FL ☐ Watertown, WI
☐ Cedar Falls, IA ☐ Pontiac, MI

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? Yes No

Enforcement Action? Yes No

Client Name/Account #: TETRA TECH

Address: 1955 EVERGREEN BLVD BLDG 200 SUITE 300

City/State/Zip: DULUTH, GA 30096

Project Manager: SHERRY WEEDMAN

Telephone Number: 502-568-6688 **Fax No.:** 502-568-6222

Sampler Name: (Print) TODD CURTIS

Sampler Signature:

Report To: JESSICA.VICKERS@TTEMI.COM

Invoice To:

TA Quote #:

Project ID: GOODYEAR DUMP

Project #: 05-001-0098

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H2SO4 Plastic (Yellow Label)	H2SO4 Glass (Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: Lead Total	PCB	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
GYD-CS-14	7-28-09	1141	2		X		X												X		X	X	X			
GYD-CS-15	7-28-09	1156	2		X		X												X		X	X	X			
GYD-CS-16	7-28-09	1218	2		X		X												X		X	X	X			

Special Instructions: 24 HOUR TAT PLEASE.

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	7-28-09	1930		7/29/09	1000
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time

Laboratory Comments:

Temperature Upon Receipt: 4.7°C

VOCs Free of Headspace? Y N

No custody seal

SGS Environmental Services

Analytical Results
Tetra Tech
Project: Goodyear Dump
SGS Laboratory Number: G368-69

SGS Environmental Services
5500 Business Drive
Wilmington, North Carolina 28405
Telephone: 910-350-1903

CASE NARRATIVE
Tetra Tech
Project: Goodyear Dump
SGS Laboratory Number: G368-69

DATE: June 29, 2009

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within. The Laboratory Manager or designee, as verified by the following signature has authorized release of the data contained in the hard copy data package.

SAMPLE RECEIPT OBSERVATIONS:

The samples were received June 26th, 2009 at 1000 via courier in good condition. The samples arrived with a temperature of 5.9° C.

Submitted by,

Linda McWhirter
Project Manager

CASE NARRATIVE
Tetra Tech
Project: Goodyear Dump
SGS Laboratory Number: G368-69

DATE: June 29, 2009

METALS REPORT:

The sample was analyzed for Lead according to the guidelines of Method SW6010B.

The initial calibration verifications met acceptance criteria.

The continuing calibration verifications met acceptance criteria.

The initial and continuing calibration blanks met acceptance criteria.

The method blanks were free of interference at the RL for all the analytes of interest.

The laboratory control sample and duplicate were acceptable.

The matrix spike and matrix spike duplicate met acceptance criteria.

The interference check samples met acceptance criteria for analytes of interest.

The Quantitation Limits (RL) are adjusted for percent solids, sample volumes and dilution factors as applicable.

The sampling to digestion and digestion to analysis holding times were met for the samples.

CASE NARRATIVE
Tetra Tech
Project: Goodyear Dump
SGS Laboratory Number: G368-69

DATE: June 29, 2009

PCB REPORT:

The samples were analyzed for PCB's according to the guidelines of Method SW8082.

The PCB responses were quantitated by the Aroclor multi-component analysis, using at minimum three unique peaks of the pattern.

All initial calibration verifications and continuing calibration verifications met acceptance criteria. The 5-pt. initial calibration consists of Aroclor s 1221, 1232, 1242, 1248, 1254, PCB 1016/1260 and Surrogates.

The surrogate standard percent recoveries were within quality control criteria.

The method blank was free of interferences.

Sample **GYD-CS-08** required a 2X dilution due to the presence of high concentrations of Aroclors 1248 and 1254.

The LCS met all acceptance criteria.

The Quantitation Limits (RL) are adjusted for percent solids, dilution factors and extraction volumes as applicable.

The sampling to extraction holding time and extraction to analysis holding time was met for the samples.

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are 10% < %R < LCL; # of MEs are allowable and compounds are not detected in the sample.

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:
1) Metals and mercury samples are digested with a hot block; see the standard operating procedure document for details.
2) Uncertainty for all reported data is less than or equal to 30 percent.

SGS

CHAIN OF CUSTODY RECORD
SGS North America Inc.

G368-69

Locations Nationwide
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- New Jersey
- North Carolina
- Maryland
- New York
- Ohio

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098404

(1)

CLIENT: TETRA TECH

CONTACT: SHERRY WEEDMAN PHONE NO:(502) 568-6688

PROJECT: GOODYEAR DUMP SITE/PWSID#:

REPORTS TO: SHERRY WEEDMAN FAX NO.:(502) 568-6222

INVOICE TO: QUOTE #:

P.O. NUMBER:

SGS Reference:

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C= COMP, G= GRAB)	Analysis Required (3): LEAD, TOTAL GOLDC	PCBS 8082A								REMARKS
Preservatives Used							ICE	ICE								
	GYD-CS-001	6-25-09	1741	S	1	C	X									* 24 HOUR TAT
	GYD-CS-08	↓	1621	↓	↓	↓		X								
	GYD-CS-09	↓	1603	↓	↓	↓		X								

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
TODD CURTIS	6-25-09	2200	
Relinquished By: (2)	Date 6/26/09	Time 1000	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature°C: 5.9°C

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time:

☒ RUSH 24 Hour (Date Needed) ☐ STD

❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

SGS Environmental Services, Inc.

Cust Proj ID: Goodyear Dump Removal
Client Name: Tetra Tech EM, Inc. PO:

G368-69

Due Date: 2009-06-29 17:00:00
Login Date: 2009-06-26 10:21:26

Sample ID		Cust Sample ID	PRI	Date Collected	Date Received	Date Due	Matrix	LOC	Report	Analysis	Status
G368-69-1	A	GYD-CS-001	**RUSH**	2009-06-25 17:41:00	2009-06-26	2009-06-29	Soil	L1	Full	Pb	PR::NEED
G368-69-2	A	GYD-CS-08	**RUSH**	2009-06-25 16:21:00	2009-06-26	2009-06-29	Soil	W1	Full	8082-Soil	PR::NEED
G368-69-3	A	GYD-CS-09	**RUSH**	2009-06-25 16:03:00	2009-06-26	2009-06-29	Soil	W1	Full	8082-Soil	PR::NEED

* Project Note: 5.9°C
* G368-69-1 Note: 5.9°C
* G368-69-2 Note: 5.9°C
* G368-69-3 Note: 5.9°C

Sample Receipt Checklist (SRC)

SGS Environmental Services

Client: **Tetra Tech EM, Inc.** Lab Proj. ID: **G368-69**

Client Proj. ID: **Goodyear Dump Removal**

1. X Shipped
Hand Delivered
Notes:

2. X Proper, full, and complete documentation
(unique sample identification on durable label with indelible ink, location of collection, date/time of collection, collector's name, preservation type, sample type (method/matrix))
__ Acceptable documentation (but, incomplete)
__ Unacceptable documentation
Notes:

3. x Custody Tape on Container
__ No Custody Tape
Notes:

4. X Samples Intact*
(are in appropriate container, are not damaged, and do not show signs of contamination)
__ Samples Broken / Leaking
__ VOA Vials Checked for Air Bubbles
Notes:

5. X Chilled on Receipt* Actual Temp.(s) in °C: 5.9°C
Ambient on Receipt
__ Walk-in on Ice; Coming down to temp.
__ Received out of temperature protocol
Notes:

6. X Sufficient Sample Submitted
__ Insufficient Sample Submitted
Notes:

7. X Samples Preserved Correctly*
(see preservative checklist where applicable)
__ Improper Preservative(s)
__ None recommended (N/A)
Notes:

8. X Received Within Holding Time
__ Not Received Within Holding Time
__ N/A
Notes:

9. X No Discrepancies Noted
__ Discrepancies Noted
Notes:

Comments:

* = Rejection of sample is required when not marked; Contact client services immediately for a resolution.

Inspected and Logged in by:

DC27.040307.4

Date / Time: Fri-6/26/09 10:35

Results for Metals

Client Sample ID:	GYD-CS-001	Analyzed By:	PSW
Client Project ID:	Goodyear Dump Removal	Date Collected:	6/25/2009 17:41
Lab Sample ID:	G368-69-1	Date Received:	6/26/2009
Lab Project ID:	G368-69	Matrix:	SOIL
ICP InitWt/Vol:	0.54 g Final Vol: 50 mL	Solids	78.65
Hg InitWt/Vol:	Final Vol:	Report Basis:	Dry
Prep Batch:	14519		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**35.1**	1.18	0.729	1	MG/KG	6010B	6/26/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 062609b OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	1072	107.2	2500	2556	102.2	2500	2687	107.5	90-110
Antimony	1000	990	99.0	500	529	105.8	500	542	108.3	90-110
Arsenic	1000	1038	103.8	500	530	105.9	500	550	110.0	90-110
Barium	1000	997	99.7	2500	2515	100.6	2500	2558	102.3	90-110
Beryllium	1000	1048	104.8	500	523	104.6	500	542	108.4	90-110
Boron	500			500			500			90-110
Cadmium	1000	1015	101.5	500	516	103.2	500	536	107.2	90-110
Calcium	1000	1020	102.0	2500	2531	101.3	2500	2743	109.7	90-110
Chromium	1000	1028	102.8	500	505	101.0	500	520	104.0	90-110
Cobalt	1000	1057	105.7	500	518	103.7	500	533	106.5	90-110
Copper	1000	972	97.2	500	488	97.6	500	506	101.1	90-110
Iron	1000	1043	104.3	2500	2561	102.4	2500	2705	108.2	90-110
Lead	1000	1016	101.6	500	511	102.3	500	526	105.2	90-110
Magnesium	1000	1021	102.1	2500	2600	104.0	2500	2698	107.9	90-110
Manganese	1000	1024	102.4	500	511	102.1	500	527	105.4	90-110
Molybdenum	1000			500			500			90-110
Nickel	1000	1059	105.9	500	515	103.0	500	536	107.3	90-110
Potassium	1000	1033	103.3	2500	2523	100.9	2500	2611	104.4	90-110
Selenium	1000	1021	102.1	500	513	102.6	500	536	107.3	90-110
Silver	500	508	101.6	500	506	101.2	500	512	102.4	90-110
Sodium	1000	1038	103.8	2500	2557	102.3	2500	2600	104.0	90-110
Thallium	1000	997	99.7	500	510	102.0	500	525	105.1	90-110
Tin	500			500			500			90-110
Vanadium	1000	1017	101.7	500	506	101.1	500	524	104.9	90-110
Zinc	1000	1003	100.3	500	510	102.0	500	526	105.3	90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 062609b OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV ( )			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	1072	107.2	2500	2693	107.7	2500			90-110
Antimony	1000	990	99.0	500	542	108.4	500			90-110
Arsenic	1000	1038	103.8	500	543	108.7	500			90-110
Barium	1000	997	99.7	2500	2528	101.1	2500			90-110
Beryllium	1000	1048	104.8	500	537	107.5	500			90-110
Boron	500			500			500			90-110
Cadmium	1000	1015	101.5	500	529	105.8	500			90-110
Calcium	1000	1020	102.0	2500	2703	108.1	2500			90-110
Chromium	1000	1028	102.8	500	522	104.4	500			90-110
Cobalt	1000	1057	105.7	500	528	105.7	500			90-110
Copper	1000	972	97.2	500	499	99.8	500			90-110
Iron	1000	1043	104.3	2500	2618	104.7	2500			90-110
Lead	1000	1016	101.6	500	522	104.5	500			90-110
Magnesium	1000	1021	102.1	2500	2696	107.9	2500			90-110
Manganese	1000	1024	102.4	500	521	104.1	500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000	1059	105.9	500	538	107.5	500			90-110
Potassium	1000	1033	103.3	2500	2600	104.0	2500			90-110
Selenium	1000	1021	102.1	500	533	106.5	500			90-110
Silver	500	508	101.6	500	511	102.3	500			90-110
Sodium	1000	1038	103.8	2500	2539	101.5	2500			90-110
Thallium	1000	997	99.7	500	514	102.7	500			90-110
Tin	500			500			500			90-110
Vanadium	1000	1017	101.7	500	521	104.2	500			90-110
Zinc	1000	1003	100.3	500	519	103.9	500			90-110

Comments:

FORM IIA - METALS

Form 2B
CRDL

Lab Name: SGS Environmental Services

Batch ID: 062609b

Concentration Units: ug/L

Analyte	Initial			QC
	True	Found	%R	Limit Range
Aluminum	100	110	110	50-150
Antimony	40.0	40.5	101	50-150
Arsenic	10.0	11.4	114	50-150
Barium	100	110	110	50-150
Beryllium	10.0	11.9	119	50-150
Boron	10.0			50-150
Cadmium	5.00	5.75	115	50-150
Calcium	100	105	105	50-150
Chromium	10.0	10.8	108	50-150
Cobalt	10.0	8.53	85.3	50-150
Copper	10.0	14.2	142	50-150
Iron	100	103	103	50-150
Lead	10.0	11.4	114	50-150
Magnesium	100	109	109	50-150
Manganese	10.0	12.4	124	50-150
Molybdenum	10.0			50-150
Nickel	10.0	11.1	111	50-150
Potassium	200	216	108	50-150
Selenium	20.0	24.1	120	50-150
Silver	10.0	12.1	121	50-150
Sodium	200	204	102	50-150
Thallium	10.0	13.5	135	50-150
Tin	10.0			50-150
Vanadium	50.0	48.2	96.5	50-150
Zinc	20.0	21.1	105	50-150

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 062609b OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C		C		
Aluminum	100	U	100	U	100	U				
Antimony	40	U	40	U	40	U				
Arsenic	10	U	10	U	10	U				
Barium	100	U	100	U	100	U				
Beryllium	10	U	10	U	10	U				
Boron										
Cadmium	10	U	10	U	10	U				
Calcium	100	U	100	U	100	U				
Chromium	10	U	10	U	10	U				
Cobalt	10	U	10	U	10	U				
Copper	10	U	10	U	10	U				
Iron	100	U	100	U	100	U				
Lead	10	U	10	U	10	U				
Magnesium	100	U	100	U	100	U				
Manganese	10	U	10	U	10	U				
Molybdenum										
Mercury										
Nickel	10	U	10	U	10	U				
Potassium	200	U	200	U	200	U				
Selenium	20	U	20	U	20	U				
Silver	10	U	10	U	10	U				
Sodium	200	U	200	U	200	U				
Thallium	10	U	10	U	10	U				
Tin										
Vanadium	50	U	50	U	50	U				
Zinc	20	U	20	U	20	U				

Comments:

FORM III - METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SGS Environmental Services ICS Source: Environmental Express

Batch ID: 062609b ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R	QC Limit Range %
Aluminum	100000	100000	98569.7	100817	100.8	104604	105662	105.7	80 - 120
Antimony	0	300	17.82	309.23	103.1	1.37	317.71	105.9	80 - 120
Arsenic	0	300	10.6	313.3	104.4	6.68	321.41	107.1	80 - 120
Barium	0	1000	10.8	988.55	98.9	10.48	1011.21	101.1	80 - 120
Beryllium	0	300	1.29	302.92	101.0	-2.04	317.54	105.8	80 - 120
Cadmium	0	300	-1.72	283.44	94.5	-1.82	299.12	99.7	80 - 120
Calcium	40000	40000	39418.8	39970.3	99.9	41946.7	42568.6	106.4	80 - 120
Chromium	0	300	3.8	295.98	98.7	4.75	309.64	103.2	80 - 120
Cobalt	0	300	-2.1	284.71	94.9	-2.73	299.17	99.7	80 - 120
Copper	0	300	5.7	306.13	102.0	6.49	309.6	103.2	80 - 120
Iron	100000	100000	99346.3	100555	100.6	103680	103517	103.5	80 - 120
Lead	0	300	-0.3	287.68	95.9	2.73	302.6	100.9	80 - 120
Magnesium	40000	40000	39296.2	39359	98.4	41485	41115.7	102.8	80 - 120
Manganese	0	300	1	294.55	98.2	1.56	299.34	99.8	80 - 120
Nickel	0	300	-1.24	279.87	93.3	0.35	293.18	97.7	80 - 120
Potassium	0	0	10.26	-3.98	n/a	-1.37	-1.84	n/a	80 - 120
Selenium	0	300	30.34	328.37	109.5	30.5	338.78	112.9	80 - 120
Silver	0	300	2.48	294.59	98.2	2.97	303.21	101.1	80 - 120
Sodium	0	0	-2.39	-4.99	n/a	-7.44	-4.8	n/a	80 - 120
Thallium	0	300	8.7	289.36	96.5	3.28	296.02	98.7	80 - 120
Vanadium	0	300	-2.14	295.75	98.6	-3.14	308.56	102.9	80 - 120
Zinc	0	300	-2.21	290.32	96.8	-2.84	300.24	100.1	80 - 120

FORM IV - METALS

Results for Metals

Client Sample ID:	Lab Blank			Analyzed By:	PSW
Client Project ID:				Date Collected:	
Lab Sample ID:	pb14519			Date Received:	
Lab Project ID:				Matrix:	SOIL
ICP InitWt/Vol:	0.59 g	Final Vol:	50 mL	Solids	100.00
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14519				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	0.847	0.525	1	MG/KG	6010B	6/26/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

METALS Results for LCS/LCD

ICP Batch: 14519
HG Batch:
Other:

Matrix: SOIL
Units: MG/KG

Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	35.7	34.8	97.5		34.9	97.8		80	120	0.287		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

MS/MSD Results for METALS

Lab ID: G368-69-1
MS Lab ID: G368-69-1
MSD Lab ID: G368-69-1
ICP Batch: 14519
HG Batch:
Other:

Analyzed By: PSW
Matrix: Soil
Units: MG/KG
Solids: 78.65

Analyte	Sample Result	SA MS	MS Result	MS %REC		SA MSD	MSD Result	MSD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	35.1	45.4	92.8	127	*	50.9	91.9	112		75	125	0.975		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

10 - MOD
Instrument Detection Limits

Lab Name: SGS Environmental Services

Instrument ID: ICP Date: 09/04/08

Analyte	Wavelength (nm)	CRDL ug/L	IDL ug/L	Method
Aluminum	308.214	100	59.3	6010B
Antimony	206.833	60	2.98	6010B
Arsenic	188.978	10	4.87	6010B
Barium	233.523	100	1.82	6010B
Beryllium	313.100	10	7.12	6010B
Cadmium	214.437	10	0.819	6010B
Calcium	317.931	100	8.44	6010B
Chromium	267.708	10	1.32	6010B
Cobalt	228.615	10	2.22	6010B
Copper	324.754	10	0.762	6010B
Iron	259.936	100	47.8	6010B
Lead	220.352	10	4.74	6010B
Magnesium	279.073	100	35.4	6010B
Manganese	257.609	10	0.725	6010B
Mercury	253.700	0.2		7470
Nickel	231.602	10	3.72	6010B
Potassium	766.429	100	18.1	6010B
Selenium	196.028	20	5.72	6010B
Silver	328.071	10	0.525	6010B
Sodium	589.550	200	5.79	6010B
Thallium	190.796	10	9.18	6010B
Vanadium	292.399	50	4.04	6010B
Zinc	213.859	20	1.74	6010B

FORM X - METALS

Prep Report for Batch 14519 (METALS/3050/SOIL) on 2006-06-26 by crn

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time	Balance
G1013-3-1B (627782)		0.56			50	R-1673	R-1671		HB2	1130	pb3002-sb
G1013-3-2B (627783)		0.53			50	R-1673	R-1671		HB2	1130	pb3002-sb
G1053-2-2E (627784)		0.59			50	R-1673	R-1671		HB2	1130	pb3002-sb
G1053-2-4E (627785)		0.53			50	R-1673	R-1671		HB2	1130	pb3002-sb
G1053-2-6E (627786)		0.60			50	R-1673	R-1671		HB2	1130	pb3002-sb
G128-2391-1J (627780)		0.52			50	R-1673	R-1671		HB2	1130	pb3002-sb
G128-2391-2J (627781)		0.51			50	R-1673	R-1671		HB2	1130	pb3002-sb
G368-69-1B (627776)		0.54			50	R-1673	R-1671		HB2	1130	pb3002-sb
G368-69-1C (627777)	ms	0.56	0608-741,0608-742,06	.5,.5,.25	50	R-1673	R-1671		HB2	1130	pb3002-sb
G368-69-1D (627778)	msd	0.50	0608-741,0608-742,06	.5,.5,.25	50	R-1673	R-1671		HB2	1130	pb3002-sb
G368-69-1E (627779)	dup	0.54			50	R-1673	R-1671		HB2	1130	pb3002-sb
lcd14519	lcd	0.59	0608-741,0608-742,06	.5,.5,.25	50	R-1673	R-1671		HB2	1130	pb3002-sb
lcs14519	lcs	0.56	0608-741,0608-742,06	.5,.5,.25	50	R-1673	R-1671		HB2	1130	pb3002-sb
pb14519	pb	0.59			50	R-1673	R-1671		HB2	1130	pb3002-sb

Analytical Sequence

Method : TALmethod_new

0626095

Seq.	Loc.	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3- High	Applied
3	5	Std4- High	Applied
4	6	Std5- High	Applied
5	3	Std2- Mid	Applied
6	2	Std1- Low	Applied
7	7	icv ✓	Analyzed
8	8	icsA1 ✓	Analyzed
9	9	icsB1 ✓	Analyzed
10	2	lowstd	Analyzed
11	3	ccv1 ✓	Analyzed
12	1	ccb1 ✓	Analyzed
13	10	pb14519 ✓	Analyzed
14	11	lcs14519 ✓	Analyzed
15	12	lcd14519 ✓	Analyzed
16	13	G368-69-1B - Mn Fe Mg Al Cu K	Analyzed
17	14	G368-69-1C ms - "	Analyzed
18	15	G368-69-1D msd - "	Analyzed
19	16	G368-69-1E dup - "	Analyzed
20	17	G128-2391-1J - Fe Al Cu	Analyzed
21	18	G128-2391-2J - Fe Mg Al Cu	Analyzed
22	19	G1013-3-1B - Cu	Analyzed
23	3	ccv2 ✓	Analyzed
24	1	ccb2 ✓	Analyzed
25	20	G1013-3-2B - Mn Cr Mg Cu	Analyzed
26	21	G1053-2-2E - Mn Fe Mg Al Cu K	Analyzed
27	22	G1053-2-4E - "	Analyzed
28	23	G1053-2-6E - "	Analyzed
29	24	G368-69-1E dup SDx5 - Fe Al	Analyzed
30	8	icsA2 ✓	Analyzed
31	9	icsB2 ✓	Analyzed
32	3	ccv3 ✓	Analyzed
33	1	ccb3 ✓	Analyzed

0ES067809-1

SGS Laboratory Information Management System

Home Login Prep Samples Reports Reference Audit

Procedure Pass One - Looking for Global Failures ...

Checking ICV for failures...

Checking CCB1 for failures...

Checking ICSA1 for failures ...

Checking ICSB1 for failures ...

Flagging additional CCV/CCB/CVS pairs ...

Flagging additional ICSA/ICSB pairs ...

QC Pass 2 ...
Error Guide: G - Global CCV/ICS - Batch SD - Needs Dilution SAT - Saturated
H - High L - Low IS - Internal Standard

pb14519 - PASS
lcs14519 - PASS
lcd14519 - PASS
G368-69-1B - SD: Al Cu Fe K Mg Mn
G368-69-1C - SD: Al Cu Fe K Mg Mn
G368-69-1D - SD: Al Cu Fe K Mg Mn
G368-69-1E - SD: Al Cu Fe K Mg Mn
G128-2391-1J - SD: Al Ca Fe
G128-2391-2J - SD: Al Fe Mg SAT: Ca
G1013-3-1B - SD: Ca
G1013-3-2B - SD: Ca Cr Mg Mn
G1053-2-2E - SD: Al Ca Fe K Mg Mn
G1053-2-4E - SD: Al Ca Fe K Mg Mn
G1053-2-6E - SD: Al Ca Fe K Mg Mn
G368-69-1E - SD: Al Fe

Return to Upload

Return to PALims

Ca 318	435956.3	2521.23	0.58%	[5] mg/L

==========

Sequence No.: 5
Sample ID: Std2- Mid
Analyst:
Initial Sample Wt:
Dilution:
User canceled analysis.

Autosampler Location: 3
Date Collected: 6/26/2009 04:35:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

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Analysis Begun

Start Time: 6/26/2009 04:36:31 PM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 6/26/2009 07:51:34 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\062609b.sif
Batch ID:
Results Data Set: 062609b
Results Library: C:\pe\Anyone\Results\Results.mdb

==========

Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 6/26/2009 04:36:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	254.0 kPa	0.70 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	347.2	4.23	1.22%	[0.00]	mg/L
Tl 191	-762.8	88.55	11.61%	[0.00]	mg/L
Se 196	-182.4	1.49	0.82%	[0.00]	mg/L
Sb 207	751.1	9.25	1.23%	[0.00]	mg/L
Zn 214	-3793.1	158.15	4.17%	[0.00]	mg/L
Cd 214	2832.5	351.03	12.39%	[0.00]	mg/L
Pb 220	909.7	54.01	5.94%	[0.00]	mg/L
Co 229	-2439.5	131.83	5.40%	[0.00]	mg/L
Ni 232	-3734.4	8.05	0.22%	[0.00]	mg/L
Ba 234	-7455.3	859.92	11.53%	[0.00]	mg/L
Mn 258	-20251.9	905.62	4.47%	[0.00]	mg/L
Fe 260	-15626.3	607.28	3.89%	[0.00]	mg/L
Cr 268	547.7	545.21	99.54%	[0.00]	mg/L
Mg 279	-604.4	63.99	10.59%	[0.00]	mg/L
V 292	5222.0	136.92	2.62%	[0.00]	mg/L
Al 308	-443.1	143.90	32.48%	[0.00]	mg/L
Be 313	-282.0	928.77	329.33%	[0.00]	mg/L
Ca 318	-1551.2	272.11	17.54%	[0.00]	mg/L
Cu 325	34298.9	194.63	0.57%	[0.00]	mg/L
Ag 328	-1964.5	568.00	28.91%	[0.00]	mg/L
Na 590	584.9	339.58	58.05%	[0.00]	mg/L
K 766	-1880.8	469.70	24.97%	[0.00]	mg/L

==========

Sequence No.: 2
Sample ID: Std3- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/26/2009 04:43:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3- High

Analyte	Back Pressure	Flow
All	253.0 kPa	0.70 L/min

Mean Data: Std3- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	18082.0	236.60	1.31%	[1]	mg/L
Se 196	15019.6	42.24	0.28%	[1]	mg/L
Zn 214	520464.4	3077.48	0.59%	[1]	mg/L
Cd 214	786694.7	4810.86	0.61%	[1]	mg/L
Pb 220	42262.4	174.56	0.41%	[1]	mg/L
Ba 234	3887893.1	52968.27	1.36%	[5]	mg/L
Cr 268	560316.9	8283.67	1.48%	[1]	mg/L
Be 313	141308.7	3582.81	2.54%	[1]	mg/L
Cu 325	1169247.8	3794.16	0.32%	[1]	mg/L

Sequence No.: 3
Sample ID: Std4- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/26/2009 04:47:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std4- High

Analyte	Back Pressure	Flow
All	253.0 kPa	0.70 L/min

Mean Data: Std4- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Co 229	239305.8	338.25	0.14%	[1]	mg/L
Ni 232	236418.5	696.68	0.29%	[1]	mg/L
Mn 258	3701059.3	9626.91	0.26%	[1]	mg/L
Fe 260	473355.4	607.28	0.13%	[5]	mg/L
Mg 279	46340.4	250.14	0.54%	[5]	mg/L
V 292	379801.6	9310.57	2.45%	[1]	mg/L
Al 308	86861.4	473.76	0.55%	[5]	mg/L
Ca 318	437856.7	9209.33	2.10%	[5]	mg/L
Na 590	725575.0	1920.70	0.26%	[5]	mg/L
K 766	208082.5	1247.08	0.60%	[5]	mg/L

Sequence No.: 4
Sample ID: Std5- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 6/26/2009 04:51:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std5- High

Analyte	Back Pressure	Flow
All	253.0 kPa	0.70 L/min

Mean Data: Std5- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Tl 191	20456.9	247.13	1.21%	[1]	mg/L
Sb 207	24389.1	89.95	0.37%	[1]	mg/L
Ag 328	816673.1	9777.43	1.20%	[1]	mg/L

Sequence No.: 5
Sample ID: Std2- Mid
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/26/2009 04:53:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std2- Mid

Analyte	Back Pressure	Flow

All	253.0 kPa	0.70 L/min

Mean Data: Std2- Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	9018.9	34.96	0.39%	[0.5]	mg/L
Tl 191	9981.0	141.50	1.42%	[0.5]	mg/L
Se 196	7357.5	104.10	1.41%	[0.5]	mg/L
Sb 207	12794.6	71.05	0.56%	[0.5]	mg/L
Zn 214	259781.0	1883.21	0.72%	[0.5]	mg/L
Cd 214	391386.8	606.21	0.15%	[0.5]	mg/L
Pb 220	20669.3	275.28	1.33%	[0.5]	mg/L
Co 229	121781.6	2214.48	1.82%	[0.5]	mg/L
Ni 232	119464.7	936.44	0.78%	[0.5]	mg/L
Ba 234	1898180.7	28834.16	1.52%	[2.5]	mg/L
Mn 258	1816247.8	4680.96	0.26%	[0.5]	mg/L
Fe 260	239109.5	2125.50	0.89%	[2.5]	mg/L
Cr 268	275052.2	4655.28	1.69%	[0.5]	mg/L
Mg 279	23492.4	9.77	0.04%	[2.5]	mg/L
V 292	188863.0	616.14	0.33%	[0.5]	mg/L
Al 308	43801.0	758.53	1.73%	[2.5]	mg/L
Be 313	71874.2	928.88	1.29%	[0.5]	mg/L
Ca 318	219277.9	530.79	0.24%	[2.5]	mg/L
Cu 325	566912.7	5876.81	1.04%	[0.5]	mg/L
Ag 328	397602.9	1689.58	0.42%	[0.5]	mg/L
Na 590	363341.2	7308.11	2.01%	[2.5]	mg/L
K 766	103975.5	148.29	0.14%	[2.5]	mg/L

Sequence No.: 6
Sample ID: Std1- Low
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 6/26/2009 05:00:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std1- Low

Analyte	Back Pressure	Flow
All	253.0 kPa	0.70 L/min

Mean Data: Std1- Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	180.9	20.77	11.48%	[0.01]	mg/L
Tl 191	142.5	61.04	42.84%	[0.01]	mg/L
Se 196	371.4	1.55	0.42%	[0.02]	mg/L
Sb 207	979.0	28.39	2.90%	[0.04]	mg/L
Zn 214	10491.0	132.70	1.26%	[0.02]	mg/L
Cd 214	4127.9	438.14	10.61%	[0.005]	mg/L
Pb 220	464.5	118.16	25.44%	[0.01]	mg/L
Co 229	2331.6	130.78	5.61%	[0.01]	mg/L
Ni 232	2793.7	0.00	0.00%	[0.01]	mg/L
Ba 234	79144.3	2786.63	3.52%	[0.1]	mg/L
Mn 258	38802.5	532.16	1.37%	[0.01]	mg/L
Fe 260	9232.4	303.64	3.29%	[0.1]	mg/L
Cr 268	5421.8	413.23	7.62%	[0.01]	mg/L
Mg 279	1023.9	2.90	0.28%	[0.1]	mg/L
V 292	19325.6	164.73	0.85%	[0.05]	mg/L
Al 308	1834.6	0.00	0.00%	[0.1]	mg/L
Be 313	1970.3	0.11	0.01%	[0.01]	mg/L
Ca 318	9641.6	93.58	0.97%	[0.1]	mg/L
Cu 325	11880.5	644.99	5.43%	[0.01]	mg/L
Ag 328	7985.8	87.90	1.10%	[0.01]	mg/L
Na 590	30676.1	265.29	0.86%	[0.2]	mg/L
K 766	6866.2	533.67	7.77%	[0.2]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope

As 189	3	Lin, Calc Int	-4.0	18080	0.00000	0.999999
Tl 191	3	Lin, Calc Int	-73.2	20450	0.00000	0.999928
Se 196	3	Lin, Calc Int	4.4	14950	0.00000	0.999921
Sb 207	3	Lin, Calc Int	111.2	24490	0.00000	0.999669
Zn 214	3	Lin, Calc Int	-45.2	520300	0.00000	1.000000
Cd 214	3	Lin, Calc Int	-268.3	786200	0.00000	0.999997
Pb 220	3	Lin, Calc Int	-65.1	42160	0.00000	0.999932
Co 229	3	Lin, Calc Int	359.5	239700	0.00000	0.999957
Ni 232	3	Lin, Calc Int	423.5	236400	0.00000	0.999986
Ba 234	3	Lin, Calc Int	-7711.1	775800	0.00000	0.999923
Mn 258	3	Lin, Calc Int	-5425.8	3694000	0.00000	0.999953
Fe 260	3	Lin, Calc Int	336.7	94780	0.00000	0.999985
Cr 268	3	Lin, Calc Int	-1011.7	559500	0.00000	0.999956
Mg 279	3	Lin, Calc Int	102.7	9269	0.00000	0.999976
V 292	3	Lin, Calc Int	-38.8	379400	0.00000	0.999995
Al 308	3	Lin, Calc Int	111.6	17380	0.00000	0.999991
Be 313	3	Lin, Calc Int	475.0	141200	0.00000	0.999963
Ca 318	3	Lin, Calc Int	464.7	87490	0.00000	0.999998
Cu 325	3	Lin, Calc Int	-3138.1	1166000	0.00000	0.999876
Ag 328	3	Lin, Calc Int	-2035.7	814800	0.00000	0.999908
Na 590	3	Lin, Calc Int	847.8	145000	0.00000	0.999998
K 766	3	Lin, Calc Int	-670.1	41770	0.00000	0.999980

Sequence No.: 7
Sample ID: icv
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/26/2009 05:07:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow
All	253.0 kPa	0.70 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	18600.1	1.04	mg/L	0.007	1.04	mg/L	0.007	0.65%
Tl 191	20264.5	0.997	mg/L	0.0104	0.997	mg/L	0.0104	1.04%
Se 196	15268.4	1.02	mg/L	0.003	1.02	mg/L	0.003	0.33%
Sb 207	24637.0	0.990	mg/L	0.0035	0.990	mg/L	0.0035	0.35%
Zn 214	524065.9	1.00	mg/L	0.018	1.00	mg/L	0.018	1.81%
Cd 214	797989.7	1.02	mg/L	0.011	1.02	mg/L	0.011	1.10%
Pb 220	42744.9	1.02	mg/L	0.004	1.02	mg/L	0.004	0.35%
Co 229	253793.6	1.06	mg/L	0.003	1.06	mg/L	0.003	0.33%
Ni 232	250872.5	1.06	mg/L	0.004	1.06	mg/L	0.004	0.38%
Ba 234	766044.4	0.997	mg/L	0.0057	0.997	mg/L	0.0057	0.57%
Mn 258	3775642.1	1.02	mg/L	0.017	1.02	mg/L	0.017	1.68%
Fe 260	99194.8	1.04	mg/L	0.026	1.04	mg/L	0.026	2.46%
Cr 268	574113.4	1.03	mg/L	0.005	1.03	mg/L	0.005	0.50%
Mg 279	9567.4	1.02	mg/L	0.002	1.02	mg/L	0.002	0.23%
V 292	385716.5	1.02	mg/L	0.013	1.02	mg/L	0.013	1.26%
Al 308	18734.1	1.07	mg/L	0.005	1.07	mg/L	0.005	0.46%
Be 313	148440.0	1.05	mg/L	0.003	1.05	mg/L	0.003	0.27%
Ca 318	89697.8	1.02	mg/L	0.011	1.02	mg/L	0.011	1.04%
Cu 325	1130548.9	0.972	mg/L	0.0139	0.972	mg/L	0.0139	1.43%
Ag 328	411715.5	0.508	mg/L	0.0003	0.508	mg/L	0.0003	0.06%
Na 590	151315.4	1.04	mg/L	0.044	1.04	mg/L	0.044	4.19%
K 766	42466.1	1.03	mg/L	0.003	1.03	mg/L	0.003	0.30%

Sequence No.: 8
Sample ID: icsA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 6/26/2009 05:14:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow

All	254.0 kPa	0.70 L/min

Mean Data: icsA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	187.1	0.0106	mg/L	0.00046	0.0106	mg/L	0.00046	4.38%
Tl 191	104.7	0.0087	mg/L	0.00296	0.0087	mg/L	0.00296	34.04%
Se 196	-286.0	0.0303	mg/L	0.00245	0.0303	mg/L	0.00245	8.06%
Sb 207	548.6	0.0178	mg/L	0.00294	0.0178	mg/L	0.00294	16.52%
Zn 214	5312.3	-0.0022	mg/L	0.00044	-0.0022	mg/L	0.00044	20.09%
Cd 214	2438.1	-0.0017	mg/L	0.00028	-0.0017	mg/L	0.00028	16.12%
Pb 220	-77.6	-0.0003	mg/L	0.00060	-0.0003	mg/L	0.00060	201.69%
Co 229	-142.9	-0.0021	mg/L	0.00021	-0.0021	mg/L	0.00021	10.11%
Ni 232	129.7	-0.0012	mg/L	0.00023	-0.0012	mg/L	0.00023	18.55%
Ba 234	667.2	0.0108	mg/L	0.00058	0.0108	mg/L	0.00058	5.34%
Mn 258	-3079.8	0.0006	mg/L	0.00014	0.0006	mg/L	0.00014	22.68%
Fe 260	9416673.5	99.3	mg/L	0.15	99.3	mg/L	0.15	0.15%
Cr 268	1115.1	0.0038	mg/L	0.00012	0.0038	mg/L	0.00012	3.22%
Mg 279	364346.6	39.3	mg/L	0.17	39.3	mg/L	0.17	0.44%
V 292	-851.7	-0.0021	mg/L	0.00043	-0.0021	mg/L	0.00043	20.27%
Al 308	1712767.1	98.6	mg/L	0.18	98.6	mg/L	0.18	0.18%
Be 313	656.7	0.0013	mg/L	0.00376	0.0013	mg/L	0.00376	292.03%
Ca 318	3449182.5	39.4	mg/L	0.29	39.4	mg/L	0.29	0.74%
Cu 325	3505.8	0.0057	mg/L	0.00040	0.0057	mg/L	0.00040	6.94%
Ag 328	-11.6	0.0025	mg/L	0.00027	0.0025	mg/L	0.00027	10.71%
Na 590	501.5	-0.0024	mg/L	0.00158	-0.0024	mg/L	0.00158	66.13%
K 766	-241.7	0.0103	mg/L	0.00572	0.0103	mg/L	0.00572	55.77%

Sequence No.: 9
Sample ID: icsB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 6/26/2009 05:20:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	254.0 kPa	0.70 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5615.7	0.313	mg/L	0.0026	0.313	mg/L	0.0026	0.82%
Tl 191	5830.3	0.289	mg/L	0.0051	0.289	mg/L	0.0051	1.76%
Se 196	4161.8	0.328	mg/L	0.0019	0.328	mg/L	0.0019	0.57%
Sb 207	7766.4	0.309	mg/L	0.0015	0.309	mg/L	0.0015	0.48%
Zn 214	158238.3	0.290	mg/L	0.0022	0.290	mg/L	0.0022	0.75%
Cd 214	226692.1	0.283	mg/L	0.0004	0.283	mg/L	0.0004	0.13%
Pb 220	12062.7	0.288	mg/L	0.0046	0.288	mg/L	0.0046	1.61%
Co 229	68611.2	0.285	mg/L	0.0016	0.285	mg/L	0.0016	0.56%
Ni 232	66588.7	0.280	mg/L	0.0014	0.280	mg/L	0.0014	0.50%
Ba 234	759205.2	0.989	mg/L	0.0090	0.989	mg/L	0.0090	0.91%
Mn 258	1082603.6	0.295	mg/L	0.0028	0.295	mg/L	0.0028	0.94%
Fe 260	9531257.2	101	mg/L	1.8	101	mg/L	1.8	1.84%
Cr 268	164585.6	0.296	mg/L	0.0042	0.296	mg/L	0.0042	1.41%
Mg 279	364928.3	39.4	mg/L	0.31	39.4	mg/L	0.31	0.79%
V 292	112183.8	0.296	mg/L	0.0047	0.296	mg/L	0.0047	1.57%
Al 308	1751813.6	101	mg/L	0.6	101	mg/L	0.6	0.56%
Be 313	43255.9	0.303	mg/L	0.0038	0.303	mg/L	0.0038	1.24%
Ca 318	3497430.1	40.0	mg/L	0.31	40.0	mg/L	0.31	0.77%
Cu 325	353790.2	0.306	mg/L	0.0052	0.306	mg/L	0.0052	1.70%
Ag 328	238006.5	0.295	mg/L	0.0006	0.295	mg/L	0.0006	0.19%
Na 590	124.9	-0.0050	mg/L	0.00330	-0.0050	mg/L	0.00330	66.16%
K 766	-836.2	-0.0040	mg/L	0.00342	-0.0040	mg/L	0.00342	86.09%

Sequence No.: 10
Sample ID: lowstd
Analyst:

Autosampler Location: 2
Date Collected: 6/26/2009 05:27:43 PM
Data Type: Original

Initial Sample Wt:
Dilution:
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	254.0 kPa	0.70 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	201.5	0.0115	mg/L	0.00115	0.0115	mg/L	0.00115	10.03%
Tl 191	202.8	0.0135	mg/L	0.00112	0.0135	mg/L	0.00112	8.31%
Se 196	363.5	0.0241	mg/L	0.00344	0.0241	mg/L	0.00344	14.28%
Sb 207	1106.8	0.0405	mg/L	0.00303	0.0405	mg/L	0.00303	7.48%
Zn 214	10960.2	0.0211	mg/L	0.00122	0.0211	mg/L	0.00122	5.79%
Cd 214	4256.4	0.0057	mg/L	0.00028	0.0057	mg/L	0.00028	4.84%
Pb 220	415.0	0.0114	mg/L	0.00402	0.0114	mg/L	0.00402	35.28%
Co 229	2403.4	0.0085	mg/L	0.00078	0.0085	mg/L	0.00078	9.15%
Ni 232	3055.8	0.0111	mg/L	0.00121	0.0111	mg/L	0.00121	10.86%
Ba 234	77396.2	0.110	mg/L	0.0016	0.110	mg/L	0.0016	1.50%
Mn 258	40263.4	0.0124	mg/L	0.00045	0.0124	mg/L	0.00045	3.63%
Fe 260	10091.3	0.103	mg/L	0.0032	0.103	mg/L	0.0032	3.11%
Cr 268	5038.0	0.0108	mg/L	0.00049	0.0108	mg/L	0.00049	4.49%
Mg 279	1109.9	0.109	mg/L	0.0142	0.109	mg/L	0.0142	13.06%
V 292	18269.7	0.0483	mg/L	0.00011	0.0483	mg/L	0.00011	0.22%
Al 308	2033.2	0.111	mg/L	0.0010	0.111	mg/L	0.0010	0.93%
Be 313	2157.9	0.0119	mg/L	0.00564	0.0119	mg/L	0.00564	47.30%
Ca 318	9622.1	0.105	mg/L	0.0023	0.105	mg/L	0.0023	2.18%
Cu 325	13478.0	0.0143	mg/L	0.00033	0.0143	mg/L	0.00033	2.30%
Ag 328	7866.0	0.0122	mg/L	0.00022	0.0122	mg/L	0.00022	1.80%
Na 590	30433.5	0.204	mg/L	0.0001	0.204	mg/L	0.0001	0.05%
K 766	8351.7	0.216	mg/L	0.0033	0.216	mg/L	0.0033	1.53%

Sequence No.: 11
Sample ID: ccv1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 6/26/2009 05:34:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	255.0 kPa	0.70 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9494.7	0.530	mg/L	0.0045	0.530	mg/L	0.0045	0.85%
Tl 191	10328.4	0.510	mg/L	0.0013	0.510	mg/L	0.0013	0.26%
Se 196	7658.1	0.513	mg/L	0.0009	0.513	mg/L	0.0009	0.17%
Sb 207	13201.1	0.529	mg/L	0.0003	0.529	mg/L	0.0003	0.05%
Zn 214	266742.5	0.510	mg/L	0.0010	0.510	mg/L	0.0010	0.20%
Cd 214	405686.7	0.516	mg/L	0.0025	0.516	mg/L	0.0025	0.49%
Pb 220	21494.4	0.511	mg/L	0.0072	0.511	mg/L	0.0072	1.40%
Co 229	124633.6	0.518	mg/L	0.0064	0.518	mg/L	0.0064	1.24%
Ni 232	122145.8	0.515	mg/L	0.0043	0.515	mg/L	0.0043	0.84%
Ba 234	1943735.4	2.52	mg/L	0.007	2.52	mg/L	0.007	0.28%
Mn 258	1880670.7	0.511	mg/L	0.0017	0.511	mg/L	0.0017	0.34%
Fe 260	243048.8	2.56	mg/L	0.013	2.56	mg/L	0.013	0.50%
Cr 268	281440.4	0.505	mg/L	0.0015	0.505	mg/L	0.0015	0.29%
Mg 279	24204.1	2.60	mg/L	0.045	2.60	mg/L	0.045	1.72%
V 292	191806.9	0.506	mg/L	0.0052	0.506	mg/L	0.0052	1.03%
Al 308	44524.3	2.56	mg/L	0.024	2.56	mg/L	0.024	0.95%
Be 313	74313.7	0.523	mg/L	0.0141	0.523	mg/L	0.0141	2.70%
Ca 318	221933.7	2.53	mg/L	0.008	2.53	mg/L	0.008	0.31%
Cu 325	565855.4	0.488	mg/L	0.0005	0.488	mg/L	0.0005	0.10%
Ag 328	410340.0	0.506	mg/L	0.0011	0.506	mg/L	0.0011	0.22%
Na 590	371522.4	2.56	mg/L	0.008	2.56	mg/L	0.008	0.33%

K 766	104724.5	2.52 mg/L	0.004	2.52 mg/L	0.004	0.17%

Sequence No.: 12
Sample ID: ccb1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 6/26/2009 05:41:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	255.0 kPa	0.70 L/min

Mean Data: ccb1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	14.0	0.0010	mg/L	0.00088	0.0010	mg/L	0.00088	86.70%
Tl 191	99.3	0.0084	mg/L	0.00052	0.0084	mg/L	0.00052	6.14%
Se 196	56.4	0.0035	mg/L	0.00046	0.0035	mg/L	0.00046	13.24%
Sb 207	14.2	-0.0040	mg/L	0.00151	-0.0040	mg/L	0.00151	37.80%
Zn 214	299.5	0.0007	mg/L	0.00102	0.0007	mg/L	0.00102	152.66%
Cd 214	32.6	0.0004	mg/L	0.00009	0.0004	mg/L	0.00009	22.58%
Pb 220	-65.0	0.0000	mg/L	0.00158	0.0000	mg/L	0.00158	>999.9%
Co 229	-179.6	-0.0022	mg/L	0.00012	-0.0022	mg/L	0.00012	5.41%
Ni 232	290.9	-0.0006	mg/L	0.00027	-0.0006	mg/L	0.00027	48.59%
Ba 234	-340.7	0.0095	mg/L	0.00075	0.0095	mg/L	0.00075	7.87%
Mn 258	-44.3	0.0015	mg/L	0.00029	0.0015	mg/L	0.00029	19.78%
Fe 260	-1073.5	-0.0149	mg/L	0.00961	-0.0149	mg/L	0.00961	64.59%
Cr 268	-0.0	0.0018	mg/L	0.00000	0.0018	mg/L	0.00000	0.24%
Mg 279	6.0	-0.0104	mg/L	0.01145	-0.0104	mg/L	0.01145	109.78%
V 292	-28.7	0.0000	mg/L	0.00061	0.0000	mg/L	0.00061	>999.9%
Al 308	35.7	-0.0044	mg/L	0.01182	-0.0044	mg/L	0.01182	270.72%
Be 313	562.8	0.0006	mg/L	0.00282	0.0006	mg/L	0.00282	453.25%
Ca 318	633.9	0.0019	mg/L	0.00500	0.0019	mg/L	0.00500	258.37%
Cu 325	1686.7	0.0041	mg/L	0.00005	0.0041	mg/L	0.00005	1.20%
Ag 328	91.1	0.0026	mg/L	0.00005	0.0026	mg/L	0.00005	1.81%
Na 590	-215.4	-0.0073	mg/L	0.00119	-0.0073	mg/L	0.00119	16.17%
K 766	-505.0	0.0040	mg/L	0.00622	0.0040	mg/L	0.00622	157.37%

Sequence No.: 13
Sample ID: pb14519
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 6/26/2009 05:48:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14519

Analyte	Back Pressure	Flow
All	255.0 kPa	0.70 L/min

Mean Data: pb14519

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	15.4	0.0011	mg/L	0.00160	0.0011	mg/L	0.00160	146.77%
Tl 191	-49.4	0.0012	mg/L	0.00144	0.0012	mg/L	0.00144	122.79%
Se 196	49.8	0.0030	mg/L	0.00000	0.0030	mg/L	0.00000	0.09%
Sb 207	125.9	0.0006	mg/L	0.00002	0.0006	mg/L	0.00002	2.85%
Zn 214	1613.1	0.0032	mg/L	0.00051	0.0032	mg/L	0.00051	15.99%
Cd 214	648.7	0.0012	mg/L	0.00015	0.0012	mg/L	0.00015	12.88%
Pb 220	94.0	0.0038	mg/L	0.00178	0.0038	mg/L	0.00178	47.08%
Co 229	-13.0	-0.0016	mg/L	0.00071	-0.0016	mg/L	0.00071	45.54%
Ni 232	64.0	-0.0015	mg/L	0.00023	-0.0015	mg/L	0.00023	15.16%
Ba 234	-677.7	0.0091	mg/L	0.00017	0.0091	mg/L	0.00017	1.89%
Mn 258	3054.6	0.0023	mg/L	0.00000	0.0023	mg/L	0.00000	0.00%
Fe 260	-144.7	-0.0051	mg/L	0.00216	-0.0051	mg/L	0.00216	42.50%
Cr 268	288.7	0.0023	mg/L	0.00000	0.0023	mg/L	0.00000	0.00%
Mg 279	35.4	-0.0073	mg/L	0.00196	-0.0073	mg/L	0.00196	27.00%
V 292	-193.6	-0.0004	mg/L	0.00000	-0.0004	mg/L	0.00000	0.00%

Al 308	118.8	0.0004 mg/L	0.00363	0.0004 mg/L	0.00363	873.10%
Be 313	-0.1	-0.0034 mg/L	0.00094	-0.0034 mg/L	0.00094	27.93%
Ca 318	2229.0	0.0202 mg/L	0.00651	0.0202 mg/L	0.00651	32.30%
Cu 325	2336.4	0.0047 mg/L	0.00008	0.0047 mg/L	0.00008	1.78%
Ag 328	-863.5	0.0014 mg/L	0.00002	0.0014 mg/L	0.00002	1.20%
Na 590	6758.8	0.0408 mg/L	0.00450	0.0408 mg/L	0.00450	11.04%
K 766	-168.0	0.0120 mg/L	0.01196	0.0120 mg/L	0.01196	99.50%

Sequence No.: 14
Sample ID: lcs14519
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 6/26/2009 05:54:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs14519

Analyte	Back Pressure	Flow
All	255.0 kPa	0.70 L/min

Mean Data: lcs14519

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7214.2	0.403	mg/L	0.0030	0.403	mg/L	0.0030	0.73%
Tl 191	7572.3	0.375	mg/L	0.0004	0.375	mg/L	0.0004	0.10%
Se 196	5578.6	0.374	mg/L	0.0001	0.374	mg/L	0.0001	0.02%
Sb 207	9849.1	0.393	mg/L	0.0000	0.393	mg/L	0.0000	0.01%
Zn 214	201418.4	0.385	mg/L	0.0006	0.385	mg/L	0.0006	0.14%
Cd 214	302944.3	0.386	mg/L	0.0003	0.386	mg/L	0.0003	0.08%
Pb 220	16365.4	0.390	mg/L	0.0019	0.390	mg/L	0.0019	0.50%
Co 229	102160.6	0.425	mg/L	0.0089	0.425	mg/L	0.0089	2.10%
Ni 232	97249.8	0.410	mg/L	0.0004	0.410	mg/L	0.0004	0.10%
Ba 234	1571099.6	2.04	mg/L	0.000	2.04	mg/L	0.000	0.02%
Mn 258	1482364.8	0.403	mg/L	0.0069	0.403	mg/L	0.0069	1.71%
Fe 260	197815.6	2.08	mg/L	0.011	2.08	mg/L	0.011	0.51%
Cr 268	224755.7	0.404	mg/L	0.0048	0.404	mg/L	0.0048	1.18%
Mg 279	19043.7	2.04	mg/L	0.012	2.04	mg/L	0.012	0.59%
V 292	152450.7	0.402	mg/L	0.0054	0.402	mg/L	0.0054	1.35%
Al 308	35471.9	2.04	mg/L	0.028	2.04	mg/L	0.028	1.39%
Be 313	58644.1	0.412	mg/L	0.0019	0.412	mg/L	0.0019	0.46%
Ca 318	183764.1	2.10	mg/L	0.030	2.10	mg/L	0.030	1.45%
Cu 325	475863.8	0.411	mg/L	0.0063	0.411	mg/L	0.0063	1.53%
Ag 328	311074.4	0.384	mg/L	0.0021	0.384	mg/L	0.0021	0.56%
Na 590	301179.7	2.07	mg/L	0.016	2.07	mg/L	0.016	0.76%
K 766	84823.1	2.05	mg/L	0.010	2.05	mg/L	0.010	0.50%

Sequence No.: 15
Sample ID: lcd14519
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 6/26/2009 06:01:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd14519

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: lcd14519

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7176.0	0.400	mg/L	0.0044	0.400	mg/L	0.0044	1.11%
Tl 191	7547.9	0.374	mg/L	0.0106	0.374	mg/L	0.0106	2.83%
Se 196	5604.0	0.375	mg/L	0.0018	0.375	mg/L	0.0018	0.48%
Sb 207	9837.2	0.393	mg/L	0.0014	0.393	mg/L	0.0014	0.35%
Zn 214	200667.7	0.384	mg/L	0.0036	0.384	mg/L	0.0036	0.94%
Cd 214	301562.5	0.384	mg/L	0.0007	0.384	mg/L	0.0007	0.18%
Pb 220	16435.6	0.391	mg/L	0.0055	0.391	mg/L	0.0055	1.42%
Co 229	102363.1	0.426	mg/L	0.0017	0.426	mg/L	0.0017	0.40%
Ni 232	98964.0	0.417	mg/L	0.0038	0.417	mg/L	0.0038	0.90%

Ba 234	1525743.1	1.98 mg/L	0.017	1.98 mg/L	0.017	0.86%
Mn 258	1486504.0	0.404 mg/L	0.0007	0.404 mg/L	0.0007	0.18%
Fe 260	191015.0	2.01 mg/L	0.022	2.01 mg/L	0.022	1.11%
Cr 268	225189.7	0.404 mg/L	0.0005	0.404 mg/L	0.0005	0.12%
Mg 279	18863.3	2.02 mg/L	0.026	2.02 mg/L	0.026	1.28%
V 292	151830.5	0.400 mg/L	0.0014	0.400 mg/L	0.0014	0.36%
Al 308	35773.9	2.05 mg/L	0.029	2.05 mg/L	0.029	1.39%
Be 313	58268.7	0.409 mg/L	0.0056	0.409 mg/L	0.0056	1.38%
Ca 318	182308.7	2.08 mg/L	0.027	2.08 mg/L	0.027	1.31%
Cu 325	477779.8	0.412 mg/L	0.0043	0.412 mg/L	0.0043	1.03%
Ag 328	306776.0	0.379 mg/L	0.0003	0.379 mg/L	0.0003	0.08%
Na 590	306198.8	2.11 mg/L	0.020	2.11 mg/L	0.020	0.96%
K 766	84775.7	2.05 mg/L	0.013	2.05 mg/L	0.013	0.66%

Sequence No.: 16
Sample ID: G368-69-1B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 6/26/2009 06:08:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-69-1B

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-69-1B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1270.9	0.0720	mg/L	0.00144	0.0720	mg/L	0.00144	2.00%
Tl 191	227.7	0.0185	mg/L	0.00173	0.0185	mg/L	0.00173	9.35%
Se 196	-664.4	0.0725	mg/L	0.00090	0.0725	mg/L	0.00090	1.24%
Sb 207	303.4	0.0058	mg/L	0.00007	0.0058	mg/L	0.00007	1.24%
Zn 214	240809.2	0.433	mg/L	0.0058	0.433	mg/L	0.0058	1.34%
Cd 214	5953.5	-0.0042	mg/L	0.00018	-0.0042	mg/L	0.00018	4.18%
Pb 220	12491.0	0.298	mg/L	0.0079	0.298	mg/L	0.0079	2.66%
Co 229	24757.2	0.102	mg/L	0.0007	0.102	mg/L	0.0007	0.73%
Ni 232	44088.8	0.185	mg/L	0.0012	0.185	mg/L	0.0012	0.65%
Ba 234	509647.3	0.667	mg/L	0.0093	0.667	mg/L	0.0093	1.39%
Mn 258	6655641.8	1.80	mg/L	0.006	1.80	mg/L	0.006	0.35%
Fe 260	22183133.7	234	mg/L	1.5	234	mg/L	1.5	0.65%
Cr 268	101218.8	0.183	mg/L	0.0023	0.183	mg/L	0.0023	1.27%
Mg 279	192369.8	20.7	mg/L	0.05	20.7	mg/L	0.05	0.23%
V 292	114991.5	0.303	mg/L	0.0020	0.303	mg/L	0.0020	0.65%
Al 308	2784392.2	160	mg/L	2.0	160	mg/L	2.0	1.25%
Be 313	1032.1	0.0039	mg/L	0.00000	0.0039	mg/L	0.00000	0.00%
Ca 318	123703.5	1.41	mg/L	0.008	1.41	mg/L	0.008	0.54%
Cu 325	1506905.1	1.30	mg/L	0.030	1.30	mg/L	0.030	2.31%
Ag 328	-106.7	0.0024	mg/L	0.00026	0.0024	mg/L	0.00026	11.05%
Na 590	79819.0	0.545	mg/L	0.0011	0.545	mg/L	0.0011	0.20%
K 766	551850.1	13.2	mg/L	0.22	13.2	mg/L	0.22	1.70%

Sequence No.: 17
Sample ID: G368-69-1C ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 6/26/2009 06:15:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-69-1C ms

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-69-1C ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	8368.3	0.468	mg/L	0.0037	0.468	mg/L	0.0037	0.80%
Tl 191	7474.1	0.376	mg/L	0.0003	0.376	mg/L	0.0003	0.09%
Se 196	4706.4	0.461	mg/L	0.0041	0.461	mg/L	0.0041	0.88%

Sb 207	4418.4	0.169 mg/L	0.0013	0.169 mg/L	0.0013	0.78%
Zn 214	489741.9	0.902 mg/L	0.0026	0.902 mg/L	0.0026	0.29%
Cd 214	309997.2	0.379 mg/L	0.0016	0.379 mg/L	0.0016	0.43%
Pb 220	34390.0	0.817 mg/L	0.0006	0.817 mg/L	0.0006	0.07%
Co 229	126660.3	0.527 mg/L	0.0033	0.527 mg/L	0.0033	0.62%
Ni 232	144833.4	0.611 mg/L	0.0028	0.611 mg/L	0.0028	0.45%
Ba 234	2113273.2	2.73 mg/L	0.003	2.73 mg/L	0.003	0.10%
Mn 258	11283026.5	3.06 mg/L	0.012	3.06 mg/L	0.012	0.40%
Fe 260	27698875.5	292 mg/L	1.5	292 mg/L	1.5	0.50%
Cr 268	337539.0	0.605 mg/L	0.0023	0.605 mg/L	0.0023	0.38%
Mg 279	228924.6	24.7 mg/L	0.36	24.7 mg/L	0.36	1.47%
V 292	277441.6	0.731 mg/L	0.0065	0.731 mg/L	0.0065	0.89%
Al 308	3082440.7	177 mg/L	0.1	177 mg/L	0.1	0.05%
Be 313	57330.4	0.403 mg/L	0.0094	0.403 mg/L	0.0094	2.33%
Ca 318	319382.8	3.65 mg/L	0.110	3.65 mg/L	0.110	3.01%
Cu 325	2535008.7	2.18 mg/L	0.000	2.18 mg/L	0.000	0.02%
Ag 328	313953.7	0.388 mg/L	0.0035	0.388 mg/L	0.0035	0.91%
Na 590	367809.5	2.53 mg/L	0.064	2.53 mg/L	0.064	2.52%
K 766	640639.9	15.4 mg/L	0.08	15.4 mg/L	0.08	0.50%

Sequence No.: 18
Sample ID: G368-69-1D msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 6/26/2009 06:21:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-69-1D msd

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-69-1D msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	8354.1	0.467	mg/L	0.0042	0.467	mg/L	0.0042	0.89%
Tl 191	7660.9	0.383	mg/L	0.0089	0.383	mg/L	0.0089	2.33%
Se 196	4932.5	0.456	mg/L	0.0007	0.456	mg/L	0.0007	0.15%
Sb 207	4434.1	0.170	mg/L	0.0062	0.170	mg/L	0.0062	3.62%
Zn 214	460354.9	0.850	mg/L	0.0064	0.850	mg/L	0.0064	0.75%
Cd 214	307080.3	0.378	mg/L	0.0024	0.378	mg/L	0.0024	0.65%
Pb 220	30411.5	0.723	mg/L	0.0152	0.723	mg/L	0.0152	2.10%
Co 229	124965.3	0.520	mg/L	0.0082	0.520	mg/L	0.0082	1.59%
Ni 232	137838.5	0.581	mg/L	0.0014	0.581	mg/L	0.0014	0.25%
Ba 234	2044804.7	2.65	mg/L	0.026	2.65	mg/L	0.026	0.97%
Mn 258	8734387.5	2.37	mg/L	0.032	2.37	mg/L	0.032	1.37%
Fe 260	23981729.0	253	mg/L	1.7	253	mg/L	1.7	0.67%
Cr 268	314401.4	0.564	mg/L	0.0038	0.564	mg/L	0.0038	0.67%
Mg 279	199780.7	21.5	mg/L	0.25	21.5	mg/L	0.25	1.14%
V 292	262882.8	0.693	mg/L	0.0058	0.693	mg/L	0.0058	0.83%
Al 308	2714033.7	156	mg/L	1.7	156	mg/L	1.7	1.07%
Be 313	58550.2	0.411	mg/L	0.0197	0.411	mg/L	0.0197	4.80%
Ca 318	317979.3	3.63	mg/L	0.030	3.63	mg/L	0.030	0.84%
Cu 325	2130802.4	1.83	mg/L	0.014	1.83	mg/L	0.014	0.79%
Ag 328	316554.0	0.391	mg/L	0.0021	0.391	mg/L	0.0021	0.55%
Na 590	366302.8	2.52	mg/L	0.017	2.52	mg/L	0.017	0.68%
K 766	592922.8	14.2	mg/L	0.02	14.2	mg/L	0.02	0.12%

Sequence No.: 19
Sample ID: G368-69-1E dup
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 6/26/2009 06:28:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-69-1E dup

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-69-1E dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1814.7	0.103	mg/L	0.0003	0.103	mg/L	0.0003	0.30%
Tl 191	44.9	0.0098	mg/L	0.00123	0.0098	mg/L	0.00123	12.54%
Se 196	-669.5	0.0936	mg/L	0.00045	0.0936	mg/L	0.00045	0.48%
Sb 207	410.0	0.0092	mg/L	0.00225	0.0092	mg/L	0.00225	24.31%
Zn 214	266836.3	0.477	mg/L	0.0054	0.477	mg/L	0.0054	1.13%
Cd 214	6410.3	-0.0059	mg/L	0.00025	-0.0059	mg/L	0.00025	4.20%
Pb 220	20264.8	0.482	mg/L	0.0033	0.482	mg/L	0.0033	0.69%
Co 229	28194.6	0.116	mg/L	0.0016	0.116	mg/L	0.0016	1.38%
Ni 232	48175.3	0.202	mg/L	0.0020	0.202	mg/L	0.0020	1.00%
Ba 234	702543.6	0.916	mg/L	0.0082	0.916	mg/L	0.0082	0.90%
Mn 258	7089418.1	1.92	mg/L	0.009	1.92	mg/L	0.009	0.46%
Fe 260	26243518.3	277	mg/L	0.3	277	mg/L	0.3	0.10%
Cr 268	145944.8	0.263	mg/L	0.0031	0.263	mg/L	0.0031	1.17%
Mg 279	206616.2	22.3	mg/L	0.02	22.3	mg/L	0.02	0.11%
V 292	140822.0	0.371	mg/L	0.0008	0.371	mg/L	0.0008	0.22%
Al 308	2979298.6	171	mg/L	3.0	171	mg/L	3.0	1.78%
Be 313	1032.0	0.0039	mg/L	0.00564	0.0039	mg/L	0.00564	142.92%
Ca 318	120138.0	1.37	mg/L	0.002	1.37	mg/L	0.002	0.11%
Cu 325	2145816.6	1.84	mg/L	0.013	1.84	mg/L	0.013	0.71%
Ag 328	-167.2	0.0023	mg/L	0.00012	0.0023	mg/L	0.00012	5.07%
Na 590	85580.9	0.585	mg/L	0.0062	0.585	mg/L	0.0062	1.06%
K 766	584201.7	14.0	mg/L	0.47	14.0	mg/L	0.47	3.33%

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Sequence No.: 20
Sample ID: G128-2391-1J
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 6/26/2009 06:35:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G128-2391-1J

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: G128-2391-1J

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	262.3	0.0153	mg/L	0.00121	0.0153	mg/L	0.00121	7.90%
Tl 191	-61.2	0.0007	mg/L	0.00192	0.0007	mg/L	0.00192	264.40%
Se 196	2.5	0.0198	mg/L	0.00473	0.0198	mg/L	0.00473	23.83%
Sb 207	93.5	-0.0014	mg/L	0.00014	-0.0014	mg/L	0.00014	9.64%
Zn 214	54609.4	0.1000	mg/L	0.00016	0.1000	mg/L	0.00016	0.16%
Cd 214	1867.7	0.0006	mg/L	0.00073	0.0006	mg/L	0.00073	113.63%
Pb 220	4453.1	0.107	mg/L	0.0008	0.107	mg/L	0.0008	0.78%
Co 229	1484.8	0.0047	mg/L	0.00046	0.0047	mg/L	0.00046	9.89%
Ni 232	3834.1	0.0144	mg/L	0.00038	0.0144	mg/L	0.00038	2.65%
Ba 234	124520.0	0.170	mg/L	0.0011	0.170	mg/L	0.0011	0.66%
Mn 258	242918.8	0.0672	mg/L	0.00044	0.0672	mg/L	0.00044	0.66%
Fe 260	3778977.8	39.9	mg/L	0.39	39.9	mg/L	0.39	0.97%
Cr 268	34562.0	0.0636	mg/L	0.00024	0.0636	mg/L	0.00024	0.38%
Mg 279	22248.0	2.39	mg/L	0.020	2.39	mg/L	0.020	0.84%
V 292	32752.9	0.0864	mg/L	0.00025	0.0864	mg/L	0.00025	0.29%
Al 308	1002701.7	57.7	mg/L	0.98	57.7	mg/L	0.98	1.70%
Be 313	281.4	-0.0014	mg/L	0.00376	-0.0014	mg/L	0.00376	274.22%
Ca 318	4382920.3	50.1	mg/L	1.13	50.1	mg/L	1.13	2.26%
Cu 325	24273.1	0.0235	mg/L	0.00015	0.0235	mg/L	0.00015	0.64%
Ag 328	-1308.8	0.0009	mg/L	0.00000	0.0009	mg/L	0.00000	0.33%
Na 590	33958.5	0.228	mg/L	0.0054	0.228	mg/L	0.0054	2.37%
K 766	73826.6	1.78	mg/L	0.012	1.78	mg/L	0.012	0.67%

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Sequence No.: 21
Sample ID: G128-2391-2J
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 6/26/2009 06:42:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G128-2391-2J

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: G128-2391-2J

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	258.3	0.0152	mg/L	0.00168	0.0152	mg/L	0.00168	11.08%
Tl 191	122.4	0.0100	mg/L	0.00005	0.0100	mg/L	0.00005	0.55%
Se 196	-71.9	0.0184	mg/L	0.00051	0.0184	mg/L	0.00051	2.75%
Sb 207	35.3	-0.0040	mg/L	0.00148	-0.0040	mg/L	0.00148	37.06%
Zn 214	67803.5	0.124	mg/L	0.0005	0.124	mg/L	0.0005	0.41%
Cd 214	2790.1	0.0015	mg/L	0.00002	0.0015	mg/L	0.00002	1.32%
Pb 220	4001.8	0.0965	mg/L	0.00248	0.0965	mg/L	0.00248	2.57%
Co 229	2182.6	0.0076	mg/L	0.00132	0.0076	mg/L	0.00132	17.31%
Ni 232	5413.2	0.0211	mg/L	0.00112	0.0211	mg/L	0.00112	5.32%
Ba 234	92243.9	0.129	mg/L	0.0019	0.129	mg/L	0.0019	1.48%
Mn 258	706999.4	0.193	mg/L	0.0006	0.193	mg/L	0.0006	0.31%
Fe 260	4449934.0	46.9	mg/L	0.37	46.9	mg/L	0.37	0.78%
Cr 268	43756.1	0.0800	mg/L	0.00000	0.0800	mg/L	0.00000	0.00%
Mg 279	69101.1	7.44	mg/L	0.111	7.44	mg/L	0.111	1.49%
V 292	35657.4	0.0941	mg/L	0.00170	0.0941	mg/L	0.00170	1.80%
Al 308	1119285.9	64.4	mg/L	0.40	64.4	mg/L	0.40	0.63%
Be 313	375.2	-0.0007	mg/L	0.00470	-0.0007	mg/L	0.00470	664.65%
Ca 318	Saturated4							
Cu 325	18976.2	0.0190	mg/L	0.00007	0.0190	mg/L	0.00007	0.36%
Ag 328	-1109.5	0.0011	mg/L	0.00015	0.0011	mg/L	0.00015	13.52%
Na 590	191843.2	1.32	mg/L	0.005	1.32	mg/L	0.005	0.36%
K 766	104592.9	2.52	mg/L	0.021	2.52	mg/L	0.021	0.85%

Sequence No.: 22
Sample ID: G1013-3-1B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 6/26/2009 06:49:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1013-3-1B

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G1013-3-1B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	-296.3	-0.0157	mg/L	0.00013	-0.0157	mg/L	0.00013	0.83%
Tl 191	-84.2	0.0010	mg/L	0.00590	0.0010	mg/L	0.00590	581.72%
Se 196	369.0	0.0250	mg/L	0.00405	0.0250	mg/L	0.00405	16.22%
Sb 207	-158.9	-0.0117	mg/L	0.00170	-0.0117	mg/L	0.00170	14.54%
Zn 214	119655.9	0.230	mg/L	0.0011	0.230	mg/L	0.0011	0.49%
Cd 214	1377.5	0.0020	mg/L	0.00005	0.0020	mg/L	0.00005	2.28%
Pb 220	4353.1	0.105	mg/L	0.0017	0.105	mg/L	0.0017	1.58%
Co 229	66.5	-0.0012	mg/L	0.00031	-0.0012	mg/L	0.00031	25.45%
Ni 232	3021.5	0.0110	mg/L	0.00049	0.0110	mg/L	0.00049	4.48%
Ba 234	74221.7	0.106	mg/L	0.0002	0.106	mg/L	0.0002	0.20%
Mn 258	2710588.3	0.735	mg/L	0.0137	0.735	mg/L	0.0137	1.86%
Fe 260	116870.9	1.23	mg/L	0.007	1.23	mg/L	0.007	0.61%
Cr 268	31947.9	0.0589	mg/L	0.00024	0.0589	mg/L	0.00024	0.42%
Mg 279	22567.5	2.42	mg/L	0.004	2.42	mg/L	0.004	0.18%
V 292	10872.3	0.0288	mg/L	0.00025	0.0288	mg/L	0.00025	0.88%
Al 308	9672.9	0.550	mg/L	0.0403	0.550	mg/L	0.0403	7.33%
Be 313	469.0	0.0000	mg/L	0.00188	0.0000	mg/L	0.00188	>999.9%
Ca 318	909811.2	10.4	mg/L	0.01	10.4	mg/L	0.01	0.13%
Cu 325	37723.1	0.0350	mg/L	0.00056	0.0350	mg/L	0.00056	1.60%
Ag 328	204.6	0.0027	mg/L	0.00020	0.0027	mg/L	0.00020	7.31%
Na 590	79900.5	0.545	mg/L	0.0080	0.545	mg/L	0.0080	1.47%
K 766	175186.0	4.21	mg/L	0.019	4.21	mg/L	0.019	0.45%

Sequence No.: 23
Sample ID: ccv2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/26/2009 06:55:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: ccv2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9859.2	0.550	mg/L	0.0101	0.550	mg/L	0.0101	1.83%
Tl 191	10648.0	0.525	mg/L	0.0014	0.525	mg/L	0.0014	0.27%
Se 196	8006.4	0.536	mg/L	0.0021	0.536	mg/L	0.0021	0.39%
Sb 207	13517.0	0.542	mg/L	0.0050	0.542	mg/L	0.0050	0.93%
Zn 214	275205.3	0.526	mg/L	0.0026	0.526	mg/L	0.0026	0.49%
Cd 214	421286.6	0.536	mg/L	0.0045	0.536	mg/L	0.0045	0.83%
Pb 220	22114.7	0.526	mg/L	0.0046	0.526	mg/L	0.0046	0.87%
Co 229	128042.7	0.533	mg/L	0.0007	0.533	mg/L	0.0007	0.13%
Ni 232	127254.3	0.536	mg/L	0.0078	0.536	mg/L	0.0078	1.46%
Ba 234	1976544.8	2.56	mg/L	0.040	2.56	mg/L	0.040	1.55%
Mn 258	1941630.2	0.527	mg/L	0.0017	0.527	mg/L	0.0017	0.33%
Fe 260	256715.5	2.70	mg/L	0.003	2.70	mg/L	0.003	0.12%
Cr 268	289816.9	0.520	mg/L	0.0089	0.520	mg/L	0.0089	1.72%
Mg 279	25107.6	2.70	mg/L	0.011	2.70	mg/L	0.011	0.41%
V 292	198915.4	0.524	mg/L	0.0006	0.524	mg/L	0.0006	0.12%
Al 308	46802.3	2.69	mg/L	0.020	2.69	mg/L	0.020	0.74%
Be 313	77034.8	0.542	mg/L	0.0094	0.542	mg/L	0.0094	1.73%
Ca 318	240432.3	2.74	mg/L	0.020	2.74	mg/L	0.020	0.74%
Cu 325	586477.4	0.506	mg/L	0.0083	0.506	mg/L	0.0083	1.65%
Ag 328	415228.9	0.512	mg/L	0.0013	0.512	mg/L	0.0013	0.26%
Na 590	377717.3	2.60	mg/L	0.022	2.60	mg/L	0.022	0.86%
K 766	108381.8	2.61	mg/L	0.013	2.61	mg/L	0.013	0.48%

Sequence No.: 24
Sample ID: ccb2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 6/26/2009 07:02:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	4.4	0.0005	mg/L	0.00129	0.0005	mg/L	0.00129	273.88%
Tl 191	93.6	0.0082	mg/L	0.00123	0.0082	mg/L	0.00123	15.10%
Se 196	47.8	0.0029	mg/L	0.00049	0.0029	mg/L	0.00049	16.74%
Sb 207	18.5	-0.0038	mg/L	0.00073	-0.0038	mg/L	0.00073	19.21%
Zn 214	111.8	0.0003	mg/L	0.00000	0.0003	mg/L	0.00000	0.82%
Cd 214	142.6	0.0005	mg/L	0.00028	0.0005	mg/L	0.00028	54.47%
Pb 220	-98.7	-0.0008	mg/L	0.00123	-0.0008	mg/L	0.00123	153.48%
Co 229	-189.5	-0.0023	mg/L	0.00065	-0.0023	mg/L	0.00065	28.34%
Ni 232	737.9	0.0013	mg/L	0.00038	0.0013	mg/L	0.00038	28.27%
Ba 234	12.1	0.0100	mg/L	0.00032	0.0100	mg/L	0.00032	3.21%
Mn 258	1925.7	0.0020	mg/L	0.00014	0.0020	mg/L	0.00014	7.24%
Fe 260	429.4	0.0010	mg/L	0.00641	0.0010	mg/L	0.00641	655.34%
Cr 268	-433.9	0.0010	mg/L	0.00011	0.0010	mg/L	0.00011	10.99%
Mg 279	74.2	-0.0031	mg/L	0.01394	-0.0031	mg/L	0.01394	452.61%
V 292	-871.4	-0.0022	mg/L	0.00015	-0.0022	mg/L	0.00015	6.68%
Al 308	184.8	0.0042	mg/L	0.00031	0.0042	mg/L	0.00031	7.46%
Be 313	375.2	-0.0007	mg/L	0.00470	-0.0007	mg/L	0.00470	664.65%
Ca 318	-116.7	-0.0066	mg/L	0.00107	-0.0066	mg/L	0.00107	16.09%

Cu 325	2420.4	0.0048 mg/L	0.00002	0.0048 mg/L	0.00002	0.39%
Ag 328	-4.0	0.0025 mg/L	0.00036	0.0025 mg/L	0.00036	14.40%
Na 590	-350.6	-0.0083 mg/L	0.00127	-0.0083 mg/L	0.00127	15.41%
K 766	-645.6	0.0006 mg/L	0.00669	0.0006 mg/L	0.00669	>999.9%

Sequence No.: 25
Sample ID: G1013-3-2B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 6/26/2009 07:09:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1013-3-2B

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G1013-3-2B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-498.5	-0.0110	mg/L	0.00119	-0.0110	mg/L	0.00119	10.75%
Tl 191	-135.0	0.0002	mg/L	0.00169	0.0002	mg/L	0.00169	>999.9%
Se 196	361.2	0.0248	mg/L	0.00009	0.0248	mg/L	0.00009	0.37%
Sb 207	905.9	0.0102	mg/L	0.00399	0.0102	mg/L	0.00399	39.21%
Zn 214	126823.0	0.243	mg/L	0.0003	0.243	mg/L	0.0003	0.12%
Cd 214	2069.2	0.0029	mg/L	0.00009	0.0029	mg/L	0.00009	3.25%
Pb 220	6214.2	0.149	mg/L	0.0019	0.149	mg/L	0.0019	1.26%
Co 229	6388.7	0.0252	mg/L	0.00025	0.0252	mg/L	0.00025	1.00%
Ni 232	7642.9	0.0305	mg/L	0.00058	0.0305	mg/L	0.00058	1.90%
Ba 234	378279.4	0.498	mg/L	0.0036	0.498	mg/L	0.0036	0.73%
Mn 258	5580257.2	1.51	mg/L	0.001	1.51	mg/L	0.001	0.09%
Fe 260	170118.4	1.79	mg/L	0.005	1.79	mg/L	0.005	0.30%
Cr 268	1108236.1	1.98	mg/L	0.001	1.98	mg/L	0.001	0.06%
Mg 279	91993.2	9.91	mg/L	0.165	9.91	mg/L	0.165	1.66%
V 292	77618.6	0.205	mg/L	0.0013	0.205	mg/L	0.0013	0.65%
Al 308	69587.3	4.00	mg/L	0.000	4.00	mg/L	0.000	0.01%
Be 313	-94.0	-0.0040	mg/L	0.00188	-0.0040	mg/L	0.00188	46.63%
Ca 318	1753021.1	20.0	mg/L	0.13	20.0	mg/L	0.13	0.63%
Cu 325	39840.3	0.0369	mg/L	0.00029	0.0369	mg/L	0.00029	0.80%
Ag 328	1822.3	0.0047	mg/L	0.00047	0.0047	mg/L	0.00047	9.89%
Na 590	25203.2	0.168	mg/L	0.0004	0.168	mg/L	0.0004	0.26%
K 766	134814.6	3.24	mg/L	0.008	3.24	mg/L	0.008	0.24%

Sequence No.: 26
Sample ID: G1053-2-2E
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 6/26/2009 07:16:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1053-2-2E

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G1053-2-2E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1648.9	0.0923	mg/L	0.00338	0.0923	mg/L	0.00338	3.66%
Tl 191	-58.9	0.0071	mg/L	0.00350	0.0071	mg/L	0.00350	49.43%
Se 196	-315.5	0.0509	mg/L	0.00416	0.0509	mg/L	0.00416	8.17%
Sb 207	46.6	-0.0039	mg/L	0.00197	-0.0039	mg/L	0.00197	51.08%
Zn 214	275883.9	0.512	mg/L	0.0012	0.512	mg/L	0.0012	0.23%
Cd 214	4312.0	-0.0017	mg/L	0.00026	-0.0017	mg/L	0.00026	15.81%
Pb 220	9975.1	0.238	mg/L	0.0022	0.238	mg/L	0.0022	0.93%
Co 229	15204.6	0.0619	mg/L	0.00029	0.0619	mg/L	0.00029	0.47%
Ni 232	28582.3	0.119	mg/L	0.0005	0.119	mg/L	0.0005	0.41%
Ba 234	467599.1	0.613	mg/L	0.0120	0.613	mg/L	0.0120	1.96%
Mn 258	11163955.6	3.02	mg/L	0.018	3.02	mg/L	0.018	0.60%
Fe 260	13682388.5	144	mg/L	2.5	144	mg/L	2.5	1.73%

Cr 268	59732.7	0.109 mg/L	0.0005	0.109 mg/L	0.0005	0.45%
Mg 279	296573.8	32.0 mg/L	0.03	32.0 mg/L	0.03	0.09%
V 292	44777.9	0.118 mg/L	0.0016	0.118 mg/L	0.0016	1.37%
Al 308	1154837.0	66.5 mg/L	0.04	66.5 mg/L	0.04	0.06%
Be 313	-0.1	-0.0034 mg/L	0.00282	-0.0034 mg/L	0.00282	83.76%
Ca 318	26152352.8	299 mg/L	5.7	299 mg/L	5.7	1.90%
Saturated within survey window (code 5)						
Cu 325	346266.5	0.300 mg/L	0.0034	0.300 mg/L	0.0034	1.14%
Ag 328	-111.0	0.0024 mg/L	0.00047	0.0024 mg/L	0.00047	19.77%
Na 590	266385.9	1.83 mg/L	0.021	1.83 mg/L	0.021	1.16%
K 766	244859.1	5.88 mg/L	0.043	5.88 mg/L	0.043	0.74%

Sequence No.: 27
Sample ID: G1053-2-4E
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 6/26/2009 07:23:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1053-2-4E

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G1053-2-4E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	491.6	0.0282	mg/L	0.00000	0.0282	mg/L	0.00000	0.01%
Tl 191	-161.8	0.0063	mg/L	0.00529	0.0063	mg/L	0.00529	83.39%
Se 196	-718.4	0.0636	mg/L	0.00648	0.0636	mg/L	0.00648	10.19%
Sb 207	184.5	0.0019	mg/L	0.00160	0.0019	mg/L	0.00160	85.46%
Zn 214	312366.0	0.571	mg/L	0.0033	0.571	mg/L	0.0033	0.57%
Cd 214	6017.8	-0.0036	mg/L	0.00095	-0.0036	mg/L	0.00095	26.43%
Pb 220	4032.1	0.0972	mg/L	0.00105	0.0972	mg/L	0.00105	1.08%
Co 229	25811.0	0.106	mg/L	0.0011	0.106	mg/L	0.0011	0.99%
Ni 232	48327.1	0.203	mg/L	0.0009	0.203	mg/L	0.0009	0.46%
Ba 234	115527.7	0.159	mg/L	0.0001	0.159	mg/L	0.0001	0.07%
Mn 258	18703946.3	5.06	mg/L	0.004	5.06	mg/L	0.004	0.07%
Fe 260	21174792.8	223	mg/L	5.3	223	mg/L	5.3	2.37%
Cr 268	54839.9	0.0998	mg/L	0.00062	0.0998	mg/L	0.00062	0.62%
Mg 279	398731.6	43.0	mg/L	0.07	43.0	mg/L	0.07	0.16%
V 292	34515.3	0.0911	mg/L	0.00321	0.0911	mg/L	0.00321	3.53%
Al 308	1753990.4	101	mg/L	0.5	101	mg/L	0.5	0.45%
Be 313	187.6	-0.0020	mg/L	0.00094	-0.0020	mg/L	0.00094	46.17%
Ca 318	1247283.8	14.3	mg/L	0.12	14.3	mg/L	0.12	0.83%
Cu 325	323715.7	0.280	mg/L	0.0053	0.280	mg/L	0.0053	1.89%
Ag 328	-425.5	0.0020	mg/L	0.00008	0.0020	mg/L	0.00008	4.29%
Na 590	47986.3	0.325	mg/L	0.0131	0.325	mg/L	0.0131	4.02%
K 766	218515.9	5.25	mg/L	0.037	5.25	mg/L	0.037	0.70%

Sequence No.: 28
Sample ID: G1053-2-6E
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 6/26/2009 07:30:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1053-2-6E

Analyte	Back Pressure	Flow
All	255.0 kPa	0.70 L/min

Mean Data: G1053-2-6E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	669.0	0.0383	mg/L	0.00265	0.0383	mg/L	0.00265	6.93%
Tl 191	-313.9	0.0017	mg/L	0.00031	0.0017	mg/L	0.00031	18.09%
Se 196	-859.6	0.0764	mg/L	0.00074	0.0764	mg/L	0.00074	0.96%
Sb 207	168.8	0.0009	mg/L	0.00000	0.0009	mg/L	0.00000	0.43%
Zn 214	334657.9	0.609	mg/L	0.0003	0.609	mg/L	0.0003	0.05%

Cd 214	7298.4	-0.0043 mg/L	0.00045	-0.0043 mg/L	0.00045	10.51%
Pb 220	5505.3	0.132 mg/L	0.0005	0.132 mg/L	0.0005	0.41%
Co 229	26185.5	0.108 mg/L	0.0011	0.108 mg/L	0.0011	1.00%
Ni 232	52342.2	0.220 mg/L	0.0009	0.220 mg/L	0.0009	0.41%
Ba 234	143266.9	0.195 mg/L	0.0033	0.195 mg/L	0.0033	1.71%
Mn 258	23644548.8	6.40 mg/L	0.017	6.40 mg/L	0.017	0.26%
Fe 260	25395064.5	268 mg/L	2.0	268 mg/L	2.0	0.74%
Cr 268	70958.2	0.129 mg/L	0.0015	0.129 mg/L	0.0015	1.14%
Mg 279	460175.2	49.6 mg/L	0.36	49.6 mg/L	0.36	0.73%
V 292	40702.5	0.107 mg/L	0.0014	0.107 mg/L	0.0014	1.34%
Al 308	1948926.0	112 mg/L	0.3	112 mg/L	0.3	0.30%
Be 313	-93.9	-0.0040 mg/L	0.00000	-0.0040 mg/L	0.00000	0.00%
Ca 318	959107.3	11.0 mg/L	0.07	11.0 mg/L	0.07	0.67%
Cu 325	325998.5	0.282 mg/L	0.0026	0.282 mg/L	0.0026	0.92%
Ag 328	-80.3	0.0024 mg/L	0.00007	0.0024 mg/L	0.00007	2.87%
Na 590	47416.1	0.321 mg/L	0.0108	0.321 mg/L	0.0108	3.37%
K 766	255697.8	6.14 mg/L	0.011	6.14 mg/L	0.011	0.18%

Sequence No.: 29
Sample ID: G368-69-1E dup SDx5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 6/26/2009 07:36:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-69-1E dup SDx5

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-69-1E dup SDx5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	325.6	0.0187	mg/L	0.00056	0.0187	mg/L	0.00056	2.98%
Tl 191	106.8	0.0096	mg/L	0.00115	0.0096	mg/L	0.00115	11.95%
Se 196	-157.0	0.0199	mg/L	0.00032	0.0199	mg/L	0.00032	1.60%
Sb 207	87.1	-0.0016	mg/L	0.00030	-0.0016	mg/L	0.00030	18.81%
Zn 214	62209.7	0.112	mg/L	0.0009	0.112	mg/L	0.0009	0.84%
Cd 214	1826.3	-0.0005	mg/L	0.00010	-0.0005	mg/L	0.00010	18.86%
Pb 220	4185.2	0.101	mg/L	0.0003	0.101	mg/L	0.0003	0.34%
Co 229	5672.7	0.0222	mg/L	0.00037	0.0222	mg/L	0.00037	1.69%
Ni 232	10297.0	0.0418	mg/L	0.00087	0.0418	mg/L	0.00087	2.08%
Ba 234	144285.3	0.196	mg/L	0.0016	0.196	mg/L	0.0016	0.81%
Mn 258	1468317.9	0.399	mg/L	0.0061	0.399	mg/L	0.0061	1.52%
Fe 260	5799011.1	61.2	mg/L	0.19	61.2	mg/L	0.19	0.31%
Cr 268	28752.9	0.0532	mg/L	0.00049	0.0532	mg/L	0.00049	0.92%
Mg 279	44924.8	4.84	mg/L	0.030	4.84	mg/L	0.030	0.62%
V 292	27903.0	0.0736	mg/L	0.00079	0.0736	mg/L	0.00079	1.08%
Al 308	644612.9	37.1	mg/L	0.01	37.1	mg/L	0.01	0.03%
Be 313	1219.6	0.0053	mg/L	0.00000	0.0053	mg/L	0.00000	0.00%
Ca 318	31358.9	0.353	mg/L	0.0072	0.353	mg/L	0.0072	2.04%
Cu 325	407531.3	0.352	mg/L	0.0079	0.352	mg/L	0.0079	2.24%
Ag 328	-194.4	0.0023	mg/L	0.00035	0.0023	mg/L	0.00035	15.39%
Na 590	20259.5	0.134	mg/L	0.0007	0.134	mg/L	0.0007	0.53%
K 766	127803.4	3.08	mg/L	0.016	3.08	mg/L	0.016	0.52%

Sequence No.: 30
Sample ID: icsA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 6/26/2009 07:43:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: icsA2

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	116.0	0.0067	mg/L	0.00027	0.0067	mg/L	0.00027	4.10%
Tl 191	-6.1	0.0033	mg/L	0.00485	0.0033	mg/L	0.00485	147.79%
Se 196	-316.1	0.0305	mg/L	0.00229	0.0305	mg/L	0.00229	7.49%
Sb 207	146.2	0.0014	mg/L	0.00073	0.0014	mg/L	0.00073	52.76%
Zn 214	5272.5	-0.0028	mg/L	0.00021	-0.0028	mg/L	0.00021	7.53%
Cd 214	2532.2	-0.0018	mg/L	0.00024	-0.0018	mg/L	0.00024	13.08%
Pb 220	50.2	0.0027	mg/L	0.00072	0.0027	mg/L	0.00072	26.23%
Co 229	-295.0	-0.0027	mg/L	0.00017	-0.0027	mg/L	0.00017	6.28%
Ni 232	505.8	0.0003	mg/L	0.00043	0.0003	mg/L	0.00043	124.64%
Ba 234	418.7	0.0105	mg/L	0.00004	0.0105	mg/L	0.00004	0.39%
Mn 258	349.5	0.0016	mg/L	0.00053	0.0016	mg/L	0.00053	34.15%
Fe 260	9827404.3	104	mg/L	0.3	104	mg/L	0.3	0.30%
Cr 268	1645.9	0.0047	mg/L	0.00024	0.0047	mg/L	0.00024	5.06%
Mg 279	384634.4	41.5	mg/L	0.06	41.5	mg/L	0.06	0.15%
V 292	-1229.9	-0.0031	mg/L	0.00134	-0.0031	mg/L	0.00134	42.57%
Al 308	1817620.7	105	mg/L	1.3	105	mg/L	1.3	1.23%
Be 313	187.5	-0.0020	mg/L	0.00094	-0.0020	mg/L	0.00094	46.12%
Ca 318	3670341.3	41.9	mg/L	0.20	41.9	mg/L	0.20	0.49%
Cu 325	4425.6	0.0065	mg/L	0.00067	0.0065	mg/L	0.00067	10.34%
Ag 328	381.8	0.0030	mg/L	0.00007	0.0030	mg/L	0.00007	2.32%
Na 590	-231.4	-0.0074	mg/L	0.00070	-0.0074	mg/L	0.00070	9.45%
K 766	-727.4	-0.0014	mg/L	0.01702	-0.0014	mg/L	0.01702	>999.9%

Sequence No.: 31
Sample ID: icsB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 6/26/2009 07:50:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: icsB2

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	5760.4	0.321	mg/L	0.0013	0.321	mg/L	0.0013	0.42%
Tl 191	5966.2	0.296	mg/L	0.0028	0.296	mg/L	0.0028	0.94%
Se 196	4295.3	0.339	mg/L	0.0014	0.339	mg/L	0.0014	0.41%
Sb 207	7977.9	0.318	mg/L	0.0021	0.318	mg/L	0.0021	0.67%
Zn 214	163622.6	0.300	mg/L	0.0010	0.300	mg/L	0.0010	0.33%
Cd 214	239140.1	0.299	mg/L	0.0010	0.299	mg/L	0.0010	0.32%
Pb 220	12691.6	0.303	mg/L	0.0036	0.303	mg/L	0.0036	1.20%
Co 229	72076.1	0.299	mg/L	0.0011	0.299	mg/L	0.0011	0.36%
Ni 232	69735.5	0.293	mg/L	0.0013	0.293	mg/L	0.0013	0.43%
Ba 234	776782.8	1.01	mg/L	0.002	1.01	mg/L	0.002	0.15%
Mn 258	1100323.4	0.299	mg/L	0.0032	0.299	mg/L	0.0032	1.06%
Fe 260	9811945.4	104	mg/L	2.4	104	mg/L	2.4	2.29%
Cr 268	172232.4	0.310	mg/L	0.0020	0.310	mg/L	0.0020	0.63%
Mg 279	381211.8	41.1	mg/L	0.50	41.1	mg/L	0.50	1.23%
V 292	117044.4	0.309	mg/L	0.0005	0.309	mg/L	0.0005	0.15%
Al 308	1836000.5	106	mg/L	0.8	106	mg/L	0.8	0.71%
Be 313	45320.1	0.318	mg/L	0.0019	0.318	mg/L	0.0019	0.59%
Ca 318	3724757.5	42.6	mg/L	0.44	42.6	mg/L	0.44	1.03%
Cu 325	357836.1	0.310	mg/L	0.0038	0.310	mg/L	0.0038	1.21%
Ag 328	245027.8	0.303	mg/L	0.0026	0.303	mg/L	0.0026	0.84%
Na 590	152.6	-0.0048	mg/L	0.00462	-0.0048	mg/L	0.00462	96.27%
K 766	-747.0	-0.0018	mg/L	0.00648	-0.0018	mg/L	0.00648	351.79%

Sequence No.: 32
Sample ID: ccv3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/26/2009 07:57:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv3

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: ccv3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9740.7	0.543	mg/L	0.0028	0.543	mg/L	0.0028	0.51%
Tl 191	10405.0	0.514	mg/L	0.0020	0.514	mg/L	0.0020	0.39%
Se 196	7951.2	0.533	mg/L	0.0003	0.533	mg/L	0.0003	0.05%
Sb 207	13529.0	0.542	mg/L	0.0027	0.542	mg/L	0.0027	0.49%
Zn 214	271527.9	0.519	mg/L	0.0003	0.519	mg/L	0.0003	0.06%
Cd 214	415636.0	0.529	mg/L	0.0006	0.529	mg/L	0.0006	0.10%
Pb 220	21954.9	0.522	mg/L	0.0065	0.522	mg/L	0.0065	1.24%
Co 229	127008.0	0.528	mg/L	0.0088	0.528	mg/L	0.0088	1.67%
Ni 232	127536.4	0.538	mg/L	0.0032	0.538	mg/L	0.0032	0.59%
Ba 234	1953474.6	2.53	mg/L	0.011	2.53	mg/L	0.011	0.42%
Mn 258	1917923.7	0.521	mg/L	0.0024	0.521	mg/L	0.0024	0.47%
Fe 260	248486.6	2.62	mg/L	0.017	2.62	mg/L	0.017	0.65%
Cr 268	291168.8	0.522	mg/L	0.0013	0.522	mg/L	0.0013	0.26%
Mg 279	25095.3	2.70	mg/L	0.011	2.70	mg/L	0.011	0.41%
V 292	197567.5	0.521	mg/L	0.0065	0.521	mg/L	0.0065	1.25%
Al 308	46900.2	2.69	mg/L	0.003	2.69	mg/L	0.003	0.11%
Be 313	76378.1	0.537	mg/L	0.0047	0.537	mg/L	0.0047	0.87%
Ca 318	236989.0	2.70	mg/L	0.007	2.70	mg/L	0.007	0.27%
Cu 325	578808.5	0.499	mg/L	0.0125	0.499	mg/L	0.0125	2.51%
Ag 328	414728.0	0.511	mg/L	0.0035	0.511	mg/L	0.0035	0.69%
Na 590	368852.1	2.54	mg/L	0.019	2.54	mg/L	0.019	0.75%
K 766	107904.1	2.60	mg/L	0.022	2.60	mg/L	0.022	0.85%

Sequence No.: 33
Sample ID: ccb3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 6/26/2009 08:03:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb3

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: ccb3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	56.3	0.0034	mg/L	0.00031	0.0034	mg/L	0.00031	9.26%
Tl 191	-31.6	0.0020	mg/L	0.00571	0.0020	mg/L	0.00571	280.20%
Se 196	50.6	0.0031	mg/L	0.00138	0.0031	mg/L	0.00138	44.76%
Sb 207	27.4	-0.0034	mg/L	0.00172	-0.0034	mg/L	0.00172	49.94%
Zn 214	-133.7	-0.0002	mg/L	0.00025	-0.0002	mg/L	0.00025	148.39%
Cd 214	468.2	0.0009	mg/L	0.00000	0.0009	mg/L	0.00000	0.11%
Pb 220	25.2	0.0021	mg/L	0.00004	0.0021	mg/L	0.00004	1.86%
Co 229	-245.3	-0.0025	mg/L	0.00019	-0.0025	mg/L	0.00019	7.69%
Ni 232	256.5	-0.0007	mg/L	0.00237	-0.0007	mg/L	0.00237	335.20%
Ba 234	238.1	0.0102	mg/L	0.00055	0.0102	mg/L	0.00055	5.41%
Mn 258	-420.6	0.0014	mg/L	0.00014	0.0014	mg/L	0.00014	10.63%
Fe 260	70.1	-0.0028	mg/L	0.02027	-0.0028	mg/L	0.02027	720.27%
Cr 268	238.5	0.0022	mg/L	0.00013	0.0022	mg/L	0.00013	5.67%
Mg 279	196.4	0.0101	mg/L	0.00880	0.0101	mg/L	0.00880	87.04%
V 292	-910.7	-0.0023	mg/L	0.00108	-0.0023	mg/L	0.00108	47.11%
Al 308	333.9	0.0128	mg/L	0.01182	0.0128	mg/L	0.01182	92.38%
Be 313	-0.1	-0.0034	mg/L	0.00282	-0.0034	mg/L	0.00282	83.80%
Ca 318	137.1	-0.0037	mg/L	0.00000	-0.0037	mg/L	0.00000	0.00%
Cu 325	2932.5	0.0052	mg/L	0.00015	0.0052	mg/L	0.00015	2.91%
Ag 328	-128.3	0.0023	mg/L	0.00065	0.0023	mg/L	0.00065	27.63%
Na 590	5.4	-0.0058	mg/L	0.00351	-0.0058	mg/L	0.00351	60.37%
K 766	-197.0	0.0113	mg/L	0.00227	0.0113	mg/L	0.00227	20.06%

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 062609b

Case No: G368-69

Instrument ID: ICP Analysis Method: 6010B

Start Date: 6/26/2009 End Date: 6/26/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
1	CalBlank	1	16:36		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2	Std3-	1	16:43		X	X	X	X	X		X	X		X					X	
3	Std4-	1	16:47							X			X					X		
4	Std5-	1	16:51												X	X	X			
5	Std2-	1	16:53		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6	Std1-	1	17:00		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7	icv	1	17:07		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8	icsA1	1	17:14		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
9	icsB1	1	17:20		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10	lowstd	1	17:27		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11	ccv1	1	17:34		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12	ccb1	1	17:41		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13	pb14519	1	17:48		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14	lcs14519	1	17:54		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15	lcd14519	1	18:01		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16	**GYD-CS-001**	1	18:08		X	X	X	X	X	X		X	X	X	X	X	X	X	X	
17	**GYD-CS-001**	1	18:15		X	X	X	X	X	X		X	X	X	X	X	X	X	X	
18	**GYD-CS-001**	1	18:21		X	X	X	X	X	X		X	X	X	X	X	X	X	X	
19	**GYD-CS-001**	1	18:28		X	X	X	X	X	X		X	X	X	X	X	X	X	X	
20	G128-2391-1J	1	18:35		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21	G128-2391-2J	1	18:42		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22	G1013-3-1B	1	18:49		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23	ccv2	1	18:55		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
24	ccb2	1	19:02		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
25	G1013-3-2B	1	19:09		X	X	X	X		X	X	X	X	X	X	X	X	X	X	
26	G1053-2-2E	1	19:16		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
27	G1053-2-4E	1	19:23		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
28	G1053-2-6E	1	19:30		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
29	**GYD-CS-001**	5	19:36		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
30	icsA2	1	19:43		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
31	icsB2	1	19:50		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
32	ccv3	1	19:57		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
33	ccb3	1	20:03		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

8082 Prep, Standard, Run Logs

Prep Report for Batch 14523 (8082/3541/SOIL) on 2009-06-26 by dtf

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot	HexaneLot	Balance
G1053-2-1B (628235)		32.78			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY382	PB3002-SA
G1053-2-2F (628236)		33.43			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY382	PB3002-SA
G1053-2-4F (628237)		31.98			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY382	PB3002-SA
G1053-2-6F (628238)		32.37			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY382	PB3002-SA
G1053-2-8B (628239)		32.04			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY382	PB3002-SA
G1053-2-8C (628240)	MS	34.73	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ179	CY382	PB3002-SA
G1053-2-8D (628241)	MSD	31.61	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ179	CY382	PB3002-SA
G368-69-2B (628231)		32.24			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY382	PB3002-SA
G368-69-3B (628232)		33.06			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY382	PB3002-SA
G885-49-1B (628233)		32.99			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY382	PB3002-SA
G885-49-2B (628234)		30.70			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY382	PB3002-SA
LCS14523	LCS	32.0	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ179	CY382	PB3002-SA
PB14523	PB	32.0			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY382	PB3002-SA

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	6/16/2009 12:07					BWS	
001B0102.D	b	6/16/2009 12:19					BWS	
001B0103.D	b	6/16/2009 12:32					BWS	
001B0104.D	b	6/16/2009 12:45					BWS	
001B0105.D	b	6/16/2009 12:58					BWS	
002B0201.D	PCB 2000	6/16/2009 13:11					BWS	
002B0202.D	PCB 2000	6/16/2009 13:24					BWS	
002B0203.D	PCB 2000	6/16/2009 13:37					BWS	
002B0204.D	PCB 2000	6/16/2009 13:50					BWS	
002B0205.D	PCB 2000	6/16/2009 14:02					BWS	
003B0301.D	b	6/16/2009 14:15					BWS	
003B0302.D	b	6/16/2009 14:28					BWS	
003B0303.D	b	6/16/2009 14:40					BWS	
003B0304.D	b	6/16/2009 14:53					BWS	
003B0305.D	b	6/16/2009 15:06					BWS	
004B0401.D	A1221 x2000 ICAL	6/16/2009 15:19	Good curve F+B	✓	✓		BWS	
005B0501.D	A1221 x1000 ICAL	6/16/2009 15:32	↓	↓	↓		BWS	
006B0601.D	A1221 x500 ICAL	6/16/2009 15:45	↓	↓	↓		BWS	
007B0701.D	A1221 x200 ICAL	6/16/2009 15:57	↓	↓	↓		BWS	
008B0801.D	A1221 x100 ICAL	6/16/2009 16:10	↓	↓	↓		BWS	
009B0901.D	A1221 x40 ICAL	6/16/2009 16:23	↓	↓	↓		BWS	
010B1001.D	A1232 x2000 ICAL	6/16/2009 16:36	Good curve F+B	✓	✓		BWS	
011B1101.D	A1232 x1000 ICAL	6/16/2009 16:49	↓	↓	↓		BWS	
012B1201.D	A1232 x500 ICAL	6/16/2009 17:02	↓	↓	↓		BWS	

Analyst: [illegible]

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
013B1301.D	A1232 x200 ICAL	6/16/2009 17:15	Good Curve F + B	✓	✓		BWS	
014B1401.D	A1232 x100 ICAL	6/16/2009 17:28		↓	↓		BWS	
015B1501.D	A1232 x40 ICAL	6/16/2009 17:40		↓	↓		BWS	
016B1601.D	A1242 x2000 ICAL	6/16/2009 17:53	Good Curve F+B	✓	✓		BWS	
017B1701.D	A1242 x1000 ICAL	6/16/2009 18:06		↓	↓		BWS	
018B1801.D	A1242 x500 ICAL	6/16/2009 18:19		↓	↓		BWS	
019B1901.D	A1242 x200 ICAL	6/16/2009 18:32		↓	↓		BWS	
020B2001.D	A1242 x100 ICAL	6/16/2009 18:45		↓	↓		BWS	
021B2101.D	A1242 x40 ICAL	6/16/2009 18:58		↓	↓		BWS	
022B2201.D	A1248 x2000 ICAL	6/16/2009 19:11	Good Curve F + B	✓	✓		BWS	
023B2301.D	A1248 x1000 ICAL	6/16/2009 19:24		↓	↓		BWS	
024B2401.D	A1248 x500 ICAL	6/16/2009 19:37		↓	↓		BWS	
025B2501.D	A1248 x200 ICAL	6/16/2009 19:49		↓	↓		BWS	
026B2601.D	A1248 x100 ICAL	6/16/2009 20:02		↓	↓		BWS	
027B2701.D	A1248 x40 ICAL	6/16/2009 20:15		↓	↓		BWS	
028B2801.D	A1254 x2000 ICAL	6/16/2009 20:28	Good Curve F + B	✓	✓		BWS	
029B2901.D	A1254 x1000 ICAL	6/16/2009 20:41		↓	↓		BWS	
030B3001.D	A1254 x500 ICAL	6/16/2009 20:54		↓	↓		BWS	
031B3101.D	A1254 x200 ICAL	6/16/2009 21:07		↓	↓		BWS	
032B3201.D	A1254 x100 ICAL	6/16/2009 21:20		↓	↓		BWS	
033B3301.D	A1254 x40 ICAL	6/16/2009 21:33		↓	↓		BWS	
034B3401.D	PCB x2000 ICAL	6/16/2009 21:46	Good Curve F+ B	✓	✓		BWS	
035B3501.D	PCB x1000 ICAL	6/16/2009 21:58		↓	↓		BWS	

Analyst: [illegible]

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 2

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082 | Initial Cal. Curve: 06/16/09

Matrix: Soil/Water | Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
036B3601.D	PCB x500 ICAL	6/16/2009 22:11	Good Curve F + B	✓	✓		BWS	
037B3701.D	PCB x200 ICAL	6/16/2009 22:24					BWS	
038B3801.D	PCB x100 ICAL	6/16/2009 22:37					BWS	
039B3901.D	PCB x40 ICAL	6/16/2009 22:50					BWS	
040B4001.D	cvs-1221-1000	6/16/2009 23:03			✓		BWS	
041B4101.D	cvs-1232-1000	6/16/2009 23:16			✓		BWS	
042B4201.D	cvs-1242-1000	6/16/2009 23:29			✓		BWS	
043B4301.D	cvs-1248-1000	6/16/2009 23:42			✓		BWS	
044B4401.D	cvs-1254-1000	6/16/2009 23:55			✓		BWS	
045B4501.D	cvs-PCB-1000	6/17/2009 0:07			✓		BWS	
046B4601.D	PB14434 x1	6/17/2009 0:20			✓		BWS	
047B4701.D	LCS14434 x1	6/17/2009 0:33			✓		BWS	
048B4801.D	LCSD14434 x1	6/17/2009 0:46			✓		BWS	
049B4901.D	G582-382-1O x100	6/17/2009 0:59	54-5; 60-3 (54,60)		~~X250~~ ✓		BWS	
050B5001.D	G582-386-1J x1	6/17/2009 1:12	54-5; 60-3 (54,60)		✓		BWS	
051B5101.D	G582-387-1I x1	6/17/2009 1:25			X5		BWS	
052B5201.D	G100-1090-6D x1	6/17/2009 1:38			✓		BWS	
044B5301.D	cvs-1254-1000	6/17/2009 1:50			✓		BWS	
045B5401.D	cvs-PCB-1000	6/17/2009 2:03			✓		BWS	
		BWS	6.17.09					

Analyst: BWS | Standards: Curve = ECD04-W9T QC = ECD04-W10A | Page Number: 3

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec062909

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	6/29/2009 8:39					BWS	
002B0201.D	b	6/29/2009 8:52					BWS	
003B0301.D	b	6/29/2009 9:05					BWS	
004B0401.D	cvs-1221-1000	6/29/2009 9:18			✓		BWS	
005B0501.D	cvs-1232-1000	6/29/2009 9:31			✓		BWS	
006B0601.D	cvs-1242-1000	6/29/2009 9:44			✓		BWS	
007B0701.D	cvs-1248-1000	6/29/2009 9:57			✓		BWS	
008B0801.D	cvs-1254-1000	6/29/2009 10:09			✓		BWS	
009B0901.D	cvs-PCB-1000	6/29/2009 10:22			✓		BWS	
010B0101.D	PB14523 x1	6/29/2009 11:21			✓		BWS	
011B0201.D	LCS14523 x1	6/29/2009 11:34			✓		BWS	
012B0301.D	G368-69-2B x1	6/29/2009 11:46	48,54		X2		BWS	
013B0401.D	G368-69-3B x1	6/29/2009 11:59	48-5; 54-1 (48,54)		✓		BWS	
014B0501.D	G885-49-1B x1	6/29/2009 12:12	1248		X5		BWS	
015B0601.D	G885-49-2B x1	6/29/2009 12:25	(1260)		✓		BWS	
016B0701.D	G1053-2-1B x1	6/29/2009 12:38			CU		BWS	
017B0801.D	G1053-2-2F x1	6/29/2009 12:51	1260		X200		BWS	
018B0901.D	G1053-~~2~~ 2-4F x1 BWS 6-29-09	6/29/2009 13:04	Peak 4 1260 (1260)		✓		BWS	
019B1001.D	G1053-2-6F x1	6/29/2009 13:17	1260-4 (1260)		✓		BWS	
020B1101.D	cvs-1254-1000	6/29/2009 13:30			✓		BWS	
021B1201.D	cvs-PCB-1000	6/29/2009 13:42			✓		BWS	
022B1301.D	G1053-2-~~8F~~ 8B x1 BWS 6-29-09	6/29/2009 13:55	1260-4 (1260)		✓		BWS	
023B1401.D	G1053-2-8C MS x1	6/29/2009 14:08	Peak 5 cid= 628240		✓		BWS	

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

8082 Calibration Raw Data

PCB Initial Calibration Summary

Sample ID: A1221 Date: 16-Jun-09
Inst: ECD2 Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	245.3261566	2.81282
		2	155.8206329	2.9226999
		3	638.8563843	2.9537599
		4	0	0
		5	0	0
	100	1	500.9041748	2.8134401
		2	303.3854675	2.92314
		3	1263.362671	2.9544599
		4	0	0
		5	0	0
	200	1	1008.540039	2.8132801
		2	614.2987671	2.9228699
		3	2581.186279	2.9542
		4	0	0
		5	0	0
	500	1	2391.794678	2.8136101
		2	1448.612183	2.9233999
		3	5996.157715	2.9551401
		4	0	0
		5	0	0
	1000	1	5249.20459	2.8127799
		2	2938.137451	2.92238
		3	12695.41699	2.9535899
		4	0	0
		5	0	0
	2000	1	10792.90527	2.81248
		2	5933.97168	2.92207
		3	25705.44531	2.9533701
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	2.7831	2.8431
2	2.8928	2.9528
3	2.9241	2.9841
4		
5		

Peak	Correlation Coefficient (r)
1	0.999547291
2	0.99993285
3	0.999800257
4	
5	

Peak	Slope (y)
1	0.184846976
2	0.338626207
3	0.077910074
4	
5	

Peak	Intercept (b)
1	18.03074848
2	-3.063931603
3	5.287071647
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232 Date: 16-Jun-09
Inst: ECD2 Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	128.4451447	3.47328
		2	130.5376434	3.7929001
		3	138.2742157	4.1808
		4	77.82170105	4.6981201
		5	96.44385529	5.0638099
	100	1	216.2887573	3.4734199
		2	200.2416382	3.79285
		3	210.9858551	4.1808701
		4	116.2147293	4.6984401
		5	142.0018921	5.0647101
	200	1	486.6502991	3.4735601
		2	427.340332	3.7934599
		3	469.4269409	4.1813598
		4	247.6925964	4.6983299
		5	301.9916687	5.0646
	500	1	1370.64856	3.4731901
		2	1150.080566	3.7936101
		3	1341.419922	4.1807799
		4	687.4240723	4.6979799
		5	817.4537964	5.0646801
	1000	1	2691.677979	3.4730201
		2	2218.20874	3.7932701
		3	2850.830322	4.1803799
		4	1341.828247	4.6978002
		5	1594.224243	5.0641999
	2000	1	5829.130859	3.4735501
		2	4788.60791	3.7937801
		3	7059.396484	4.1809101
		4	2918.447266	4.6979399
		5	3467.224609	5.06462

Peak	RT Window From	RT Window To
1	3.4433	3.5033
2	3.7633	3.8233
3	4.1508	4.2108
4	4.6681	4.7281
5	5.0344	5.0944

Peak	Correlation Coefficient (r)
1	0.999266493
2	0.999219182
3	0.995103716
4	0.999080518
5	0.999057834

✓

Peak	Slope (y)
1	0.342282466
2	0.419088189
3	0.280616234
4	0.686112548
5	0.578432121

Peak	Intercept (b)
1	28.29322338
2	17.30362431
3	75.4780663
4	23.70756688
5	21.14125161

PCB Initial Calibration Summary

Sample ID: A1242 Date: 16-Jun-09
Inst: ECD2 Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	113.9381485	3.47331
		2	252.1701965	3.7927699
		3	246.2476196	4.1816001
		4	149.9369507	4.69876
		5	173.3050385	5.0646601
	100	1	207.6104431	3.4740601
		2	414.2875061	3.7943499
		3	543.1567383	4.1816502
		4	276.8204651	4.6985002
		5	336.6770325	5.06496
	200	1	395.3930054	3.4739399
		2	780.1361694	3.79441
		3	1045.235474	4.18186
		4	536.1246948	4.6989398
		5	648.7318115	5.0650902
	500	1	960.0159912	3.47364
		2	1938.765625	3.79444
		3	2829.961426	4.1811299
		4	1360.825806	4.6981301
		5	1634.499023	5.06464
	1000	1	2033.830322	3.4737101
		2	4071.440674	3.7948501
		3	6488.691406	4.18156
		4	2958.269775	4.6987901
		5	3563.592041	5.0651002
	2000	1	3962.707275	3.4741099
		2	7946.291992	3.79532
		3	12468.87988	4.1816802
		4	5915.206055	4.6987801
		5	7151.570801	5.0652599

Peak	RT Window From	RT Window To
1	3.4438	3.5038
2	3.7644	3.8244
3	4.1516	4.2116
4	4.6687	4.7287
5	5.0350	5.0950

Peak	Correlation Coefficient (r)
1	0.999808258
2	0.999804811
3	0.999330689
4	0.999726656
5	0.999718569

✓

Peak	Slope (y)
1	0.504723015
2	0.251962874
3	0.157819658
4	0.336631004
5	0.278421794

Peak	Intercept (b)
1	-5.498271349
2	-6.834562602
3	18.65946912
4	11.78013154
5	13.16229906

PCB Initial Calibration Summary

Sample ID: A1248
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	180.3321991	4.46912
		2	266.9612122	4.6998501
		3	314.8575134	5.0650902
		4	283.4669495	5.2547898
		5	125.6370163	5.6012502
	100	1	311.6848145	4.4682598
		2	390.6215515	4.6981702
		3	563.4898682	5.0645099
		4	539.5948486	5.2544198
		5	232.8683472	5.6003799
	200	1	701.99823	4.4685998
		2	905.8077393	4.6981902
		3	1303.56958	5.0648398
		4	1268.165771	5.2543702
		5	535.5101318	5.6005902
	500	1	1901.684937	4.4695501
		2	2512.919678	4.69941
		3	3658.345947	5.0655298
		4	3585.534424	5.2551899
		5	1494.218994	5.6015201
	1000	1	4111.20459	4.4686298
		2	5394.391602	4.6985502
		3	7994.771484	5.0648599
		4	7896.041504	5.2544498
		5	3272.715576	5.60109
	2000	1	8806.677734	4.4691
		2	11836.07129	4.6990199
		3	17186.01758	5.0652699
		4	17175.9707	5.25488
		5	7110.137695	5.6010199

Peak	RT Window From	RT Window To
1	4.4389	4.4989
2	4.6689	4.7289
3	5.0350	5.0950
4	5.2247	5.2847
5	5.5710	5.6310

Peak	Correlation Coefficient (r)
1	0.999214642
2	0.998741491
3	0.9991701
4	0.99898148
5	0.998990615

Peak	Slope (y)
1	0.225261722
2	0.167686467
3	0.115080361
4	0.114998218
5	0.278205875

Peak	Intercept (b)
1	38.79213832
2	44.52374958
3	45.01435743
4	50.65762646
5	47.83472661

PCB Initial Calibration Summary

Sample ID: A1254
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	229.1189117	5.0585999
		2	249.3790131	5.2213602
		3	330.6585693	5.60078
		4	261.4362183	5.7873101
		5	341.5723877	6.2081499
	100	1	447.2060547	5.0588102
		2	505.8791199	5.22156
		3	680.1452026	5.6012301
		4	629.8706055	5.7874298
		5	720.9144897	6.20858
	200	1	926.4535522	5.0589399
		2	987.8835449	5.2212801
		3	1473.576904	5.60076
		4	1242.702637	5.78721
		5	1477.556396	6.2087498
	500	1	2630.861328	5.0586801
		2	2990.208008	5.2210898
		3	4376.578613	5.6012101
		4	3507.077637	5.7876501
		5	4512.064941	6.20889
	1000	1	5308.978027	5.0584302
		2	6097.466797	5.2210202
		3	8935.365234	5.6009202
		4	7195.558105	5.7871099
		5	9338.537109	6.2082801
	2000	1	10664.68945	5.0589399
		2	10872.67285	5.2214198
		3	18025.05078	5.60109
		4	14417.08203	5.7869501
		5	17500.42969	6.2084498

Peak	RT Window From	RT Window To
1	5.0287	5.0887
2	5.1913	5.2513
3	5.5710	5.6310
4	5.7573	5.8173
5	6.1785	6.2385

Peak	Correlation Coefficient (r)
1	0.999915636
2	0.99777029
3	0.999890888
4	0.99993799
5	0.999128405

✓

Peak	Slope (y)
1	0.186334645
2	0.180272726
3	0.1097659
4	0.137621182
5	0.112275523

Peak	Intercept (b)
1	12.44642635
2	-12.09119839
3	21.26104952
4	14.88497466
5	5.810303883

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	121.0674515	3.47349
		2	251.3697815	3.79391
		3	263.068573	4.1812401
		4	195.8108978	4.2961798
		5	160.0380554	4.6985602
	100	1	217.4214935	3.47403
		2	437.2928162	3.79476
		3	485.585144	4.1816101
		4	360.8550415	4.2965102
		5	295.4402771	4.69875
	200	1	459.3583984	3.47331
		2	925.944458	3.7941699
		3	1129.475098	4.18115
		4	785.0092773	4.2961998
		5	634.2442017	4.6986198
	500	1	1173.999146	3.4734199
		2	2337.430176	3.7948301
		3	3116.475342	4.1812501
		4	2094.157959	4.29603
		5	1677.998413	4.6981301
	1000	1	2033.769165	3.47434
		2	4170.358398	3.7955101
		3	5876.343262	4.1814098
		4	4022.451172	4.2962298
		5	3104.989746	4.6984301
	2000	1	4519.233398	3.4735301
		2	9469.867188	3.79459
		3	14670.11328	4.1814399
		4	8460.355469	4.2961302
		5	6825.107422	4.6985202

Peak	RT Window From	RT Window To
1	3.4437	3.5037
2	3.7646	3.8246
3	4.1513	4.2113
4	4.2662	4.3262
5	4.6685	4.7285

Peak	Correlation Coefficient (r)
1	0.998355568
2	0.997966813
3	0.995224524
4	0.999664696
5	0.99891501

Peak	Slope (y)
1	0.448394325
2	0.213628789
3	0.135993496
4	0.236777332
5	0.294674522

Peak	Intercept (b)
1	2.917677126
2	13.63103358
3	61.09697749
4	11.80448894
5	16.37941922

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	317.7681885	5.7591901
		2	382.4143982	5.9278698
		3	472.3563538	6.20647
		4	666.4926147	6.69345
		5	445.2432251	6.9662399
	100	1	561.5331421	5.75875
		2	743.8937378	5.9271998
		3	927.6226196	6.2058802
		4	1324.988892	6.6930399
		5	870.4468384	6.9654398
	200	1	1251.001831	5.7593498
		2	1690.699341	5.9280801
		3	2103.305664	6.20682
		4	3117.929688	6.6939502
		5	2021.848267	6.9668102
	500	1	3357.37085	5.7589998
		2	4654.072754	5.9275799
		3	5743.004883	6.2065001
		4	8792.444336	6.6933098
		5	5652.148438	6.96594
	1000	1	6291.233887	5.7596598
		2	9044.022461	5.9281502
		3	10616.62402	6.2068701
		4	17067.61328	6.6947699
		5	11121.81738	6.9676399
	2000	1	13629.30078	5.7596002
		2	19083.54102	5.9280601
		3	24213.02539	6.2066202
		4	36985.36719	6.6940398
		5	23803.99414	6.9664102

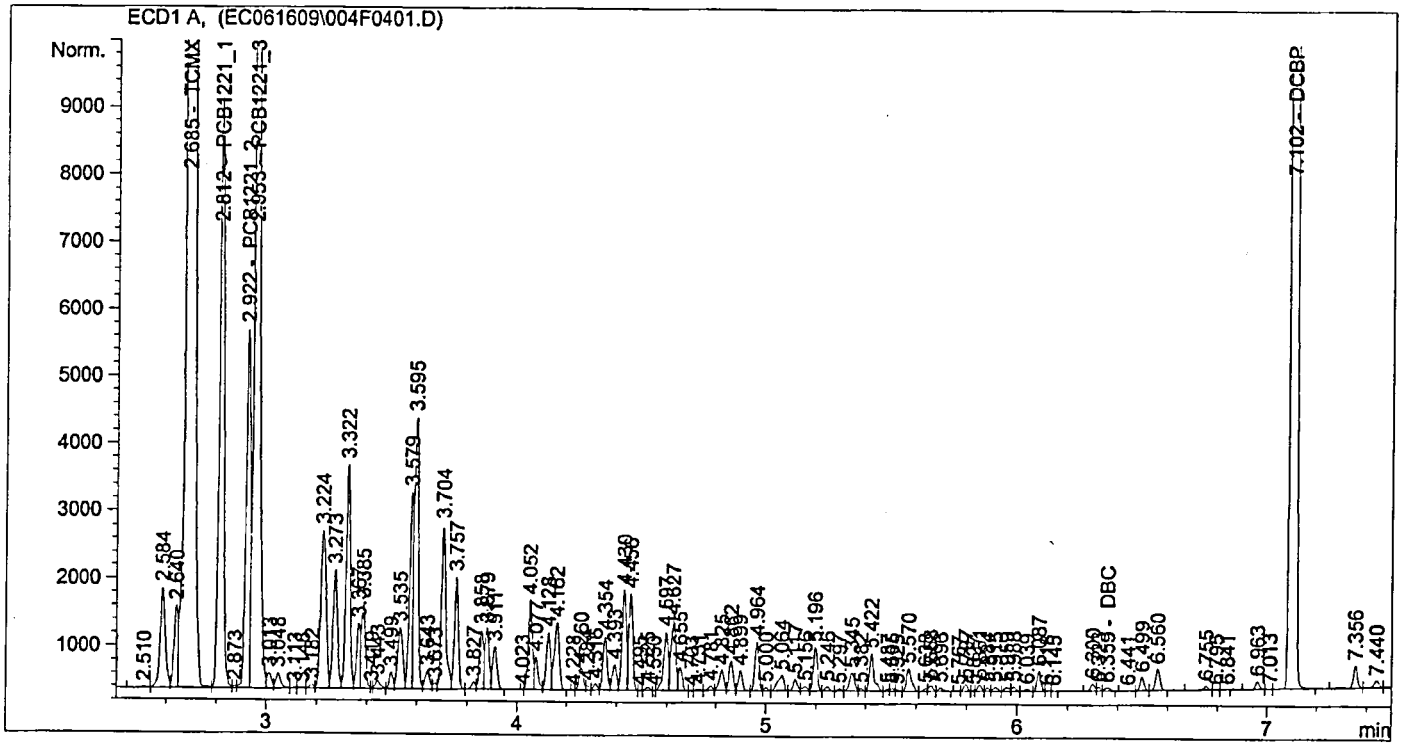
Peak	RT Window From	RT Window To
1	5.7293	5.7893
2	5.8978	5.9578
3	6.1765	6.2365
4	6.6638	6.7238
5	6.9364	6.9964

Peak	Correlation Coefficient (r)
1	0.999213429
2	0.999670366
3	0.99816869
4	0.999340639
5	0.999516287

Peak	Slope (y)
1	0.147230058
2	0.104555885
3	0.082761897
4	0.053867902
5	0.083666593

Peak	Intercept (b)
1	16.52465945
2	19.65871446
3	32.03194905
4	29.90259793
5	27.62331452

```
==================================================================
Injection Date  : 6/16/2009 2:53:36 PM          Seq. Line :   4
Sample Name     : A1221 x2000 ICAL               Location : Vial 4
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.25626e5	1.61557e-3	202.95710		TCMX
2.812	VV	1.07929e4	1.86633e-1	2014.31070		PCB1221_1
2.922	VV	5933.97168	3.38141e-1	2006.51791		PCB1221_2
2.953	VV	2.57054e4	7.81370e-2	2008.54689		PCB1221_3
6.359	VBA	68.02941	0.00000	0.00000		DBC
7.102	VB	1.02589e5	1.98494e-3	203.63239		DCBP

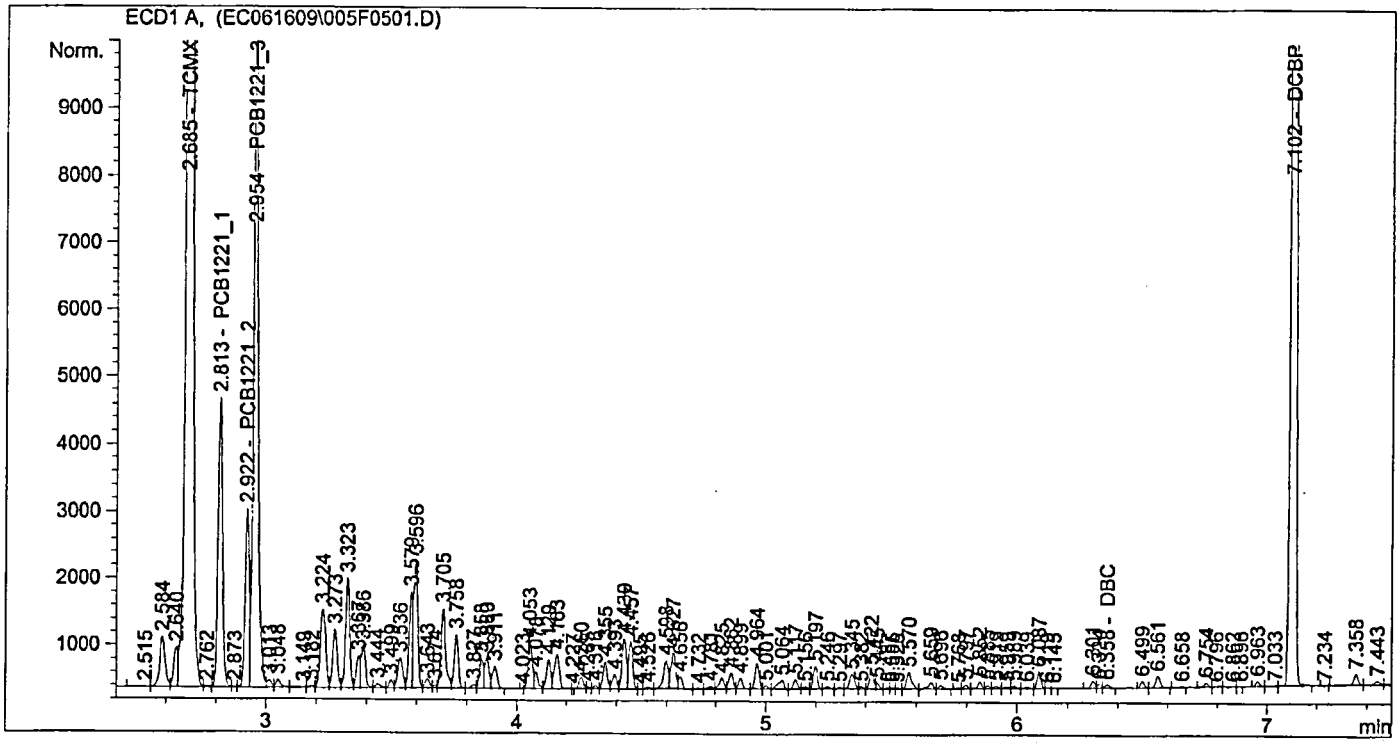
BWS
6.17.09

Totals : 6435.96498

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:06:27 PM          Seq. Line :   5
Sample Name     : A1221 x1000 ICAL               Location : Vial 5
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

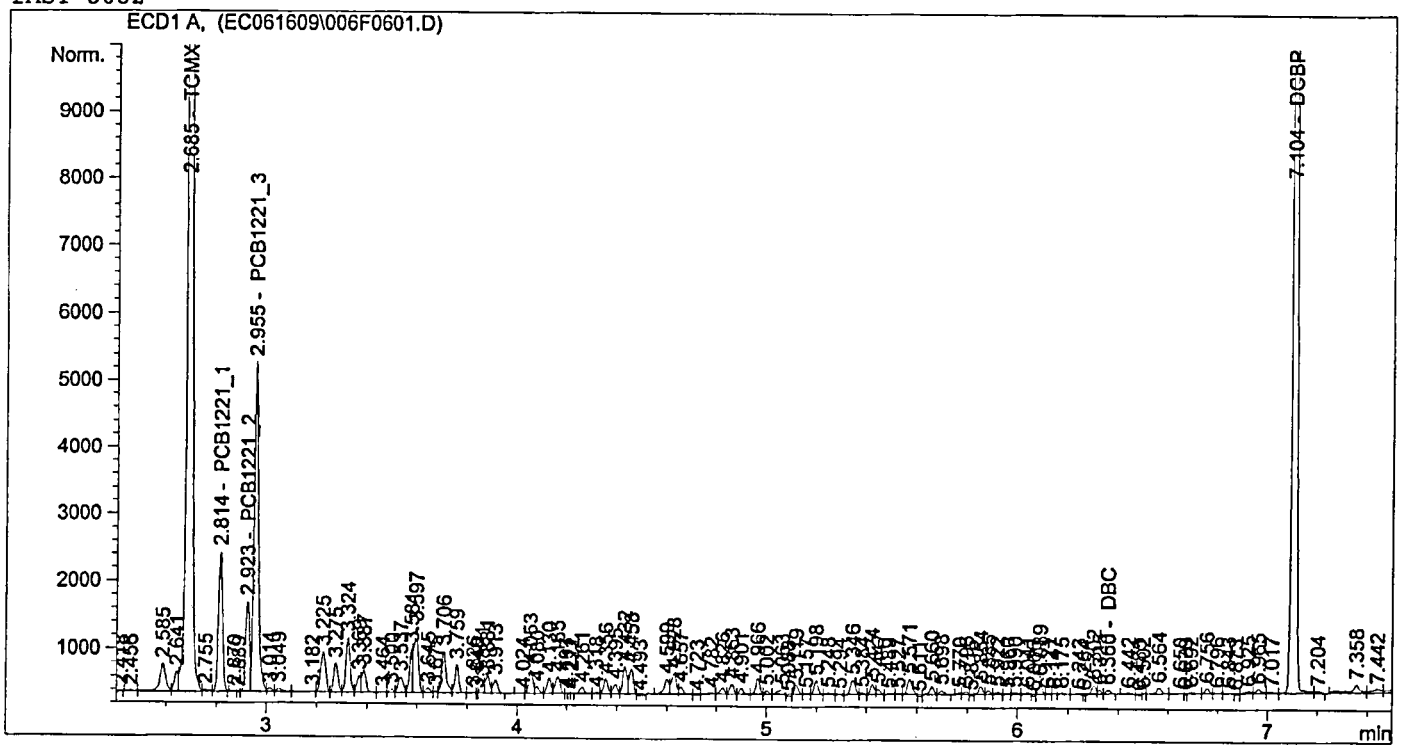
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85362e4	1.65228e-3	96.71822		TCMX
2.813	VV	5249.20459	1.88342e-1	988.64594		PCB1221_1
2.922	VV	2938.13745	3.37599e-1	991.91367		PCB1221_2
2.954	VV	1.26954e4	7.83377e-2	994.52957		PCB1221_3
6.358	VV	69.65521	0.00000	0.00000		DBC
7.102	VB	4.64764e4	2.03257e-3	94.46667		DCBP
Totals :				3166.27407		

JWS
6-17-09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:19:26 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2.50498e4	1.74417e-3	43.69111		TCMX
2.814	VP	2391.79468	1.92317e-1	459.98381		PCB1221_1
2.923	PV	1448.61218	3.36497e-1	487.45363		PCB1221_2
2.955	VV	5996.15771	7.87807e-2	472.38121		PCB1221_3
6.360	VBA	82.02856	0.00000	0.00000		DBC
7.104	VB	2.14117e4	2.13452e-3	45.70364		DCBP
Totals :				1509.21340		

BWS
6.17.09

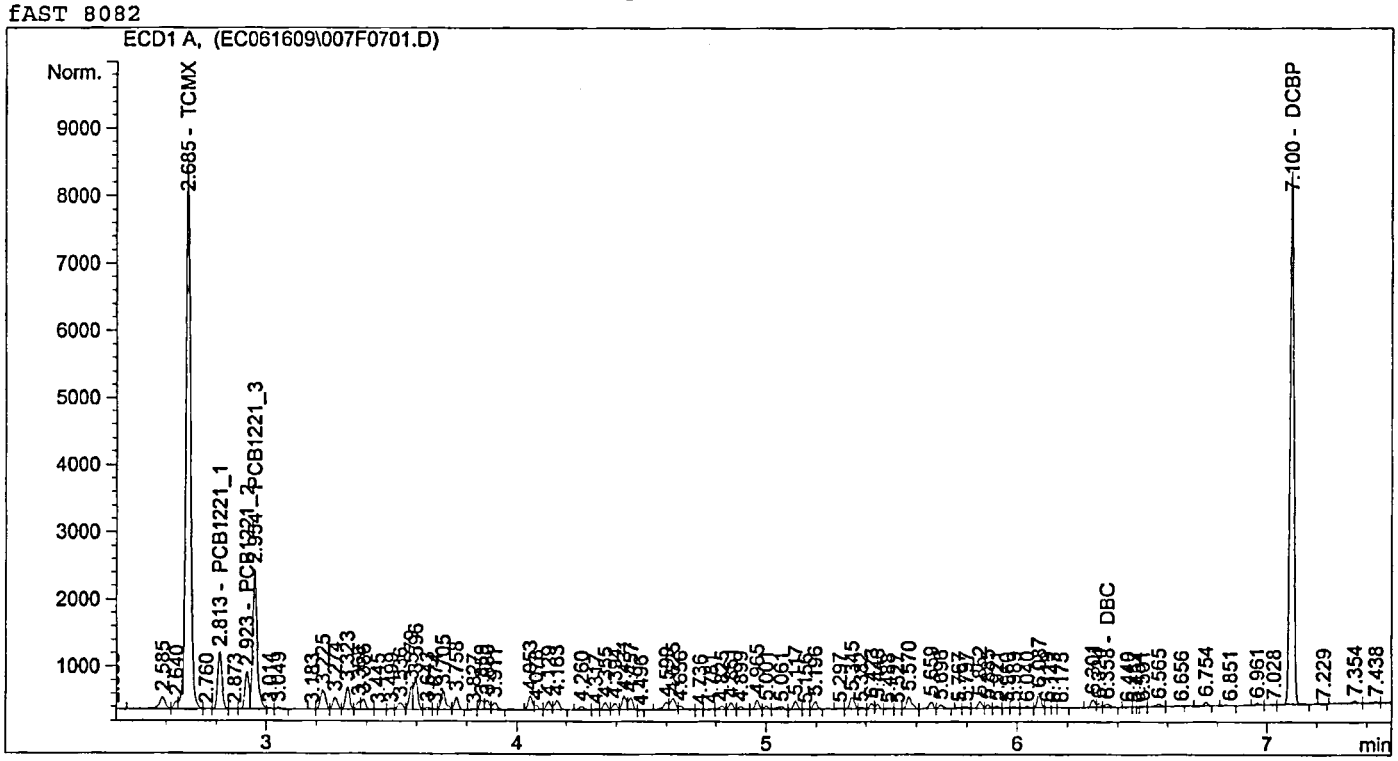
```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

==========

Injection Date : 6/16/2009 3:32:12 PM Seq. Line : 7
Sample Name : A1221 x200 ICAL Location : Vial 7
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed : 6/17/2009 10:44:50 AM by BWS
fAST 8082



==========

External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.06479e4	1.96144e-3	20.88517		TCMX
2.813	VV	1008.54004	2.02334e-1	204.06171		PCB1221_1
2.923	VV	614.29877	3.33543e-1	204.89530		PCB1221_2
2.954	VV	2581.18628	7.98913e-2	206.21421		PCB1221_3
6.358	VBA	75.88888	0.00000	0.00000		DBC
7.100	VB	8395.22266	2.42761e-3	20.38030		DCBP

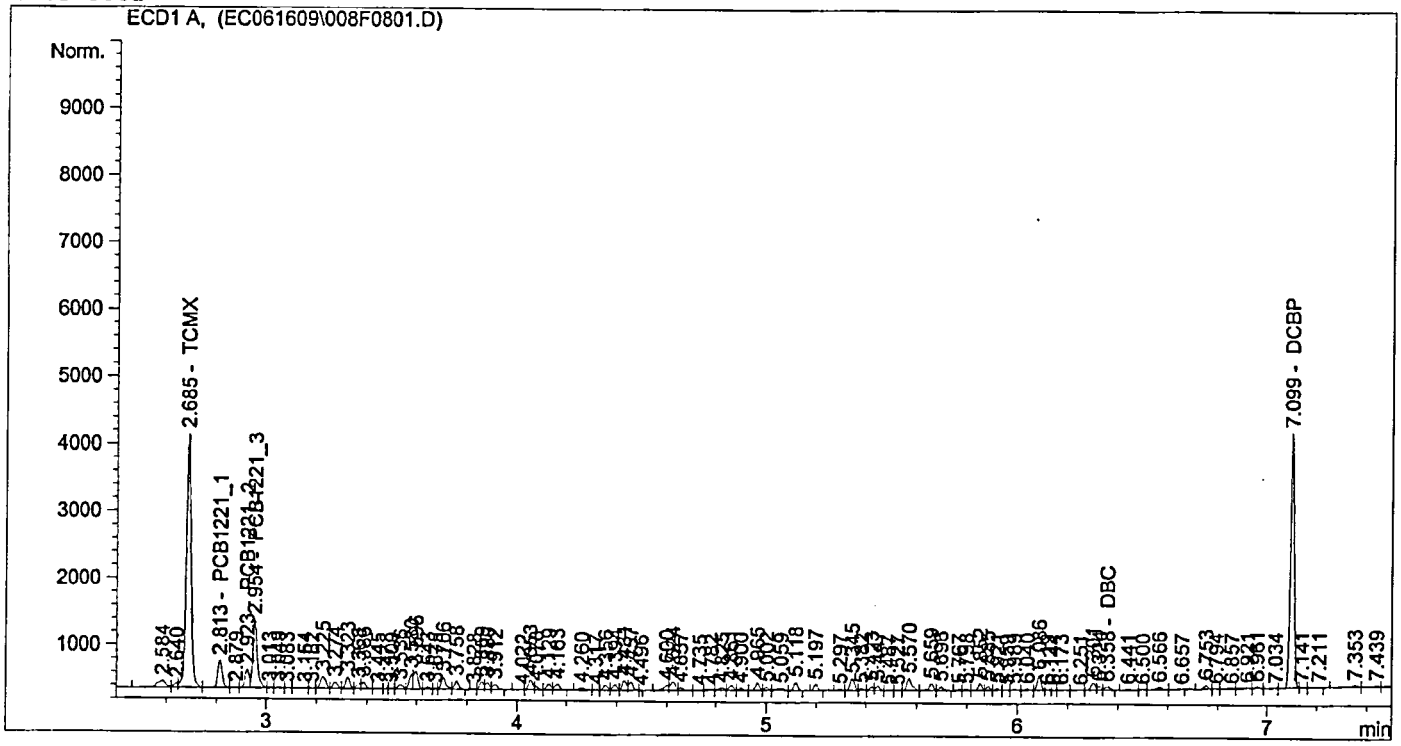
Totals : 656.43668

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

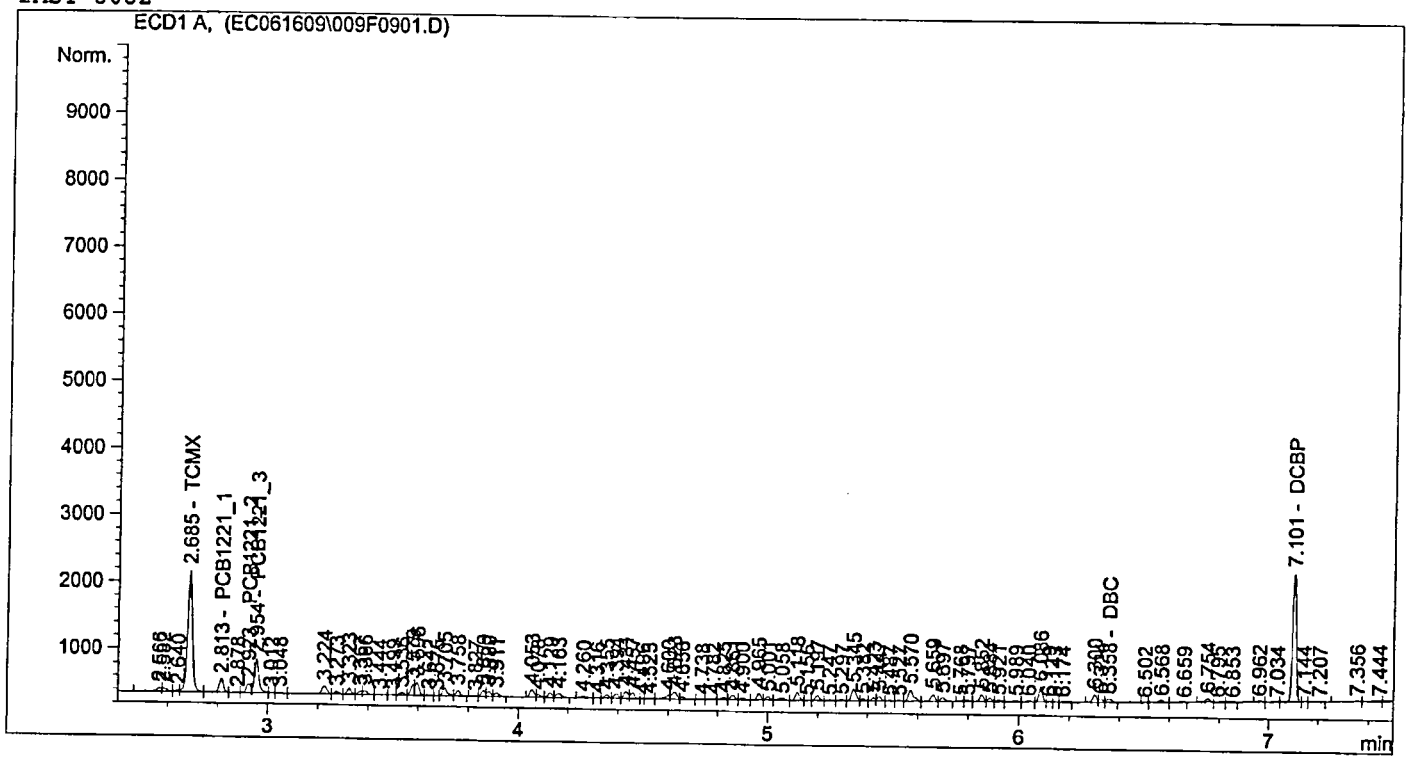
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	4984.73535	2.39078e-3	11.91740		TCMX
2.813	VB	500.90417	2.19886e-1	110.14174		PCB1221_1
2.923	VV	303.38547	3.28288e-1	99.59777		PCB1221_2
2.954	VV	1263.36267	8.19254e-2	103.50145		PCB1221_3
6.358	VBA	71.24101	0.00000	0.00000		DBC
7.099	VV	3984.79590	2.96122e-3	11.79987		DCBP
Totals :				336.95822		

BWS 6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   9
Sample Name     : A1221 x40 ICAL                 Location : Vial 9
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

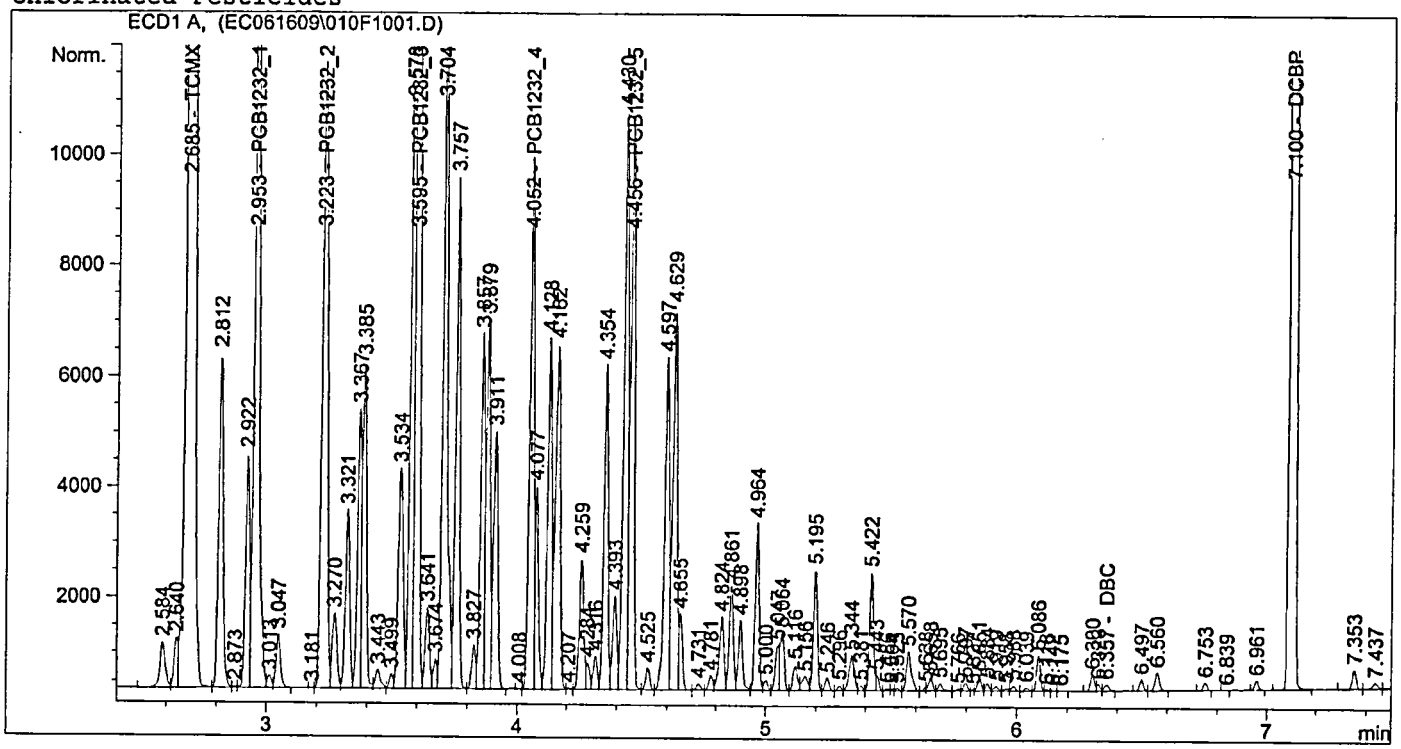
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2404.18335	3.25724e-3	7.83100		TCMX
2.813	VV	245.32616	2.56214e-1	62.85611		PCB1221_1
2.923	VV	155.82063	3.18454e-1	49.62173		PCB1221_2
2.954	VV	638.85638	8.58200e-2	54.82667		PCB1221_3
6.358	VBA	75.09637	0.00000	0.00000		DBC
7.101	VV	2040.43359	3.92913e-3	8.01714		DCBP
Totals :				183.15265		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 4:10:49 PM          Seq. Line :  10
Sample Name     : A1232 x2000 ICAL               Location : Vial 10
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

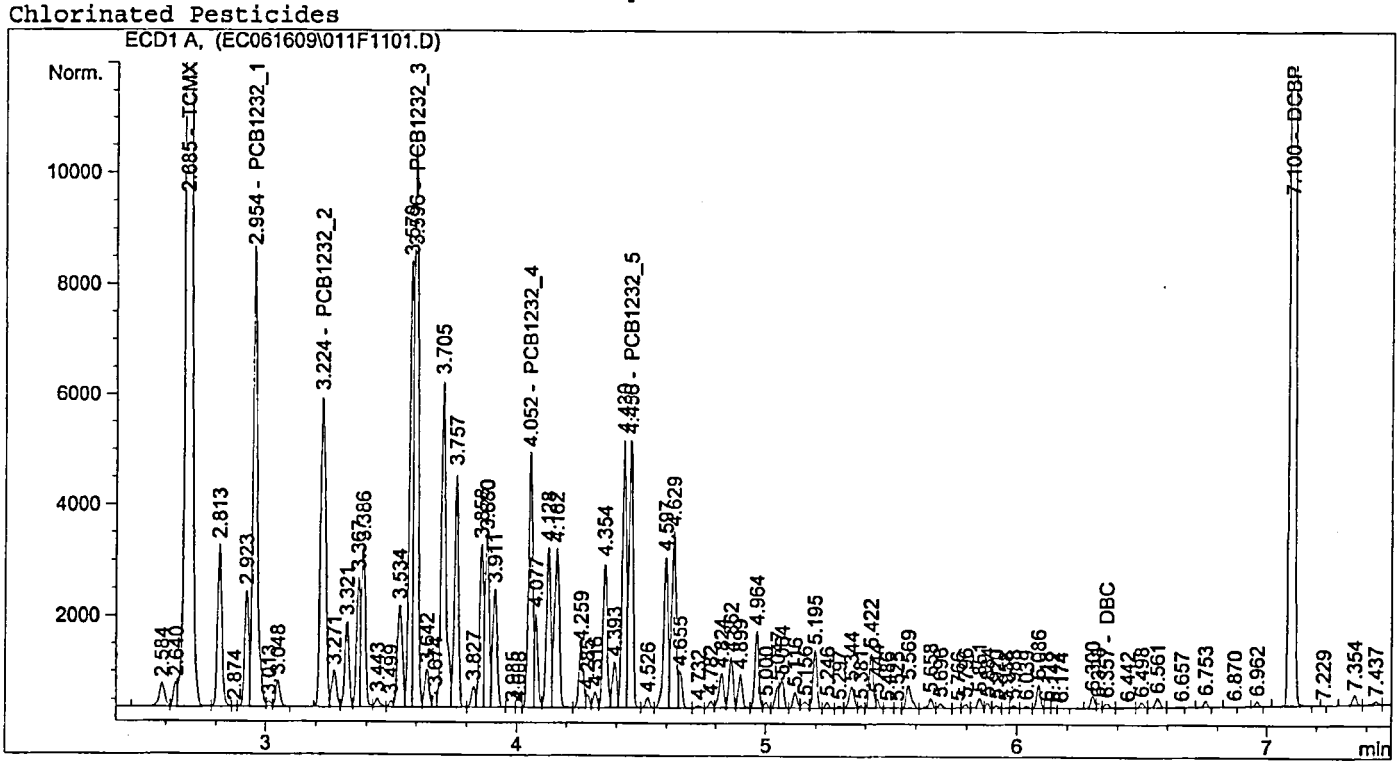
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.28585e5	1.57867e-3	202.99266		TCMX
2.953	VV	2.19295e4	9.15378e-2	2007.37971		PCB1232_1
3.223	VV	1.67455e4	1.20052e-1	2010.33401		PCB1232_2
3.595	VV	2.48887e4	8.13899e-2	2025.68521		PCB1232_3
4.052	VV	1.13965e4	1.77729e-1	2025.48786		PCB1232_4
4.456	VV	1.19353e4	1.69886e-1	2027.63778		PCB1232_5
6.357	VV	154.62846	1.31176	202.83508		DBC
7.100	PB	1.04339e5	1.95163e-3	203.63069		DCBP
Totals :				1.07060e4		

BWS
6.17.09

```
Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 4:23:47 PM          Seq. Line :  11
Sample Name     : A1232 x1000 ICAL               Location : Vial 11
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:49:16 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85306e4	1.62639e-3	95.19388		TCMX
2.954	VV	1.06422e4	9.22723e-2	981.98283		PCB1232_1
3.224	VV	8107.24463	1.21205e-1	982.63823		PCB1232_2
3.596	VV	1.14238e4	8.29473e-2	947.57043		PCB1232_3
4.052	VV	5312.27930	1.80420e-1	958.44117		PCB1232_4
4.456	VV	5470.34326	1.73471e-1	948.94532		PCB1232_5
6.357	VV	105.82750	8.70158e-1	92.08665		DBC
7.100	BB	4.64543e4	2.01128e-3	93.43272		DCBP

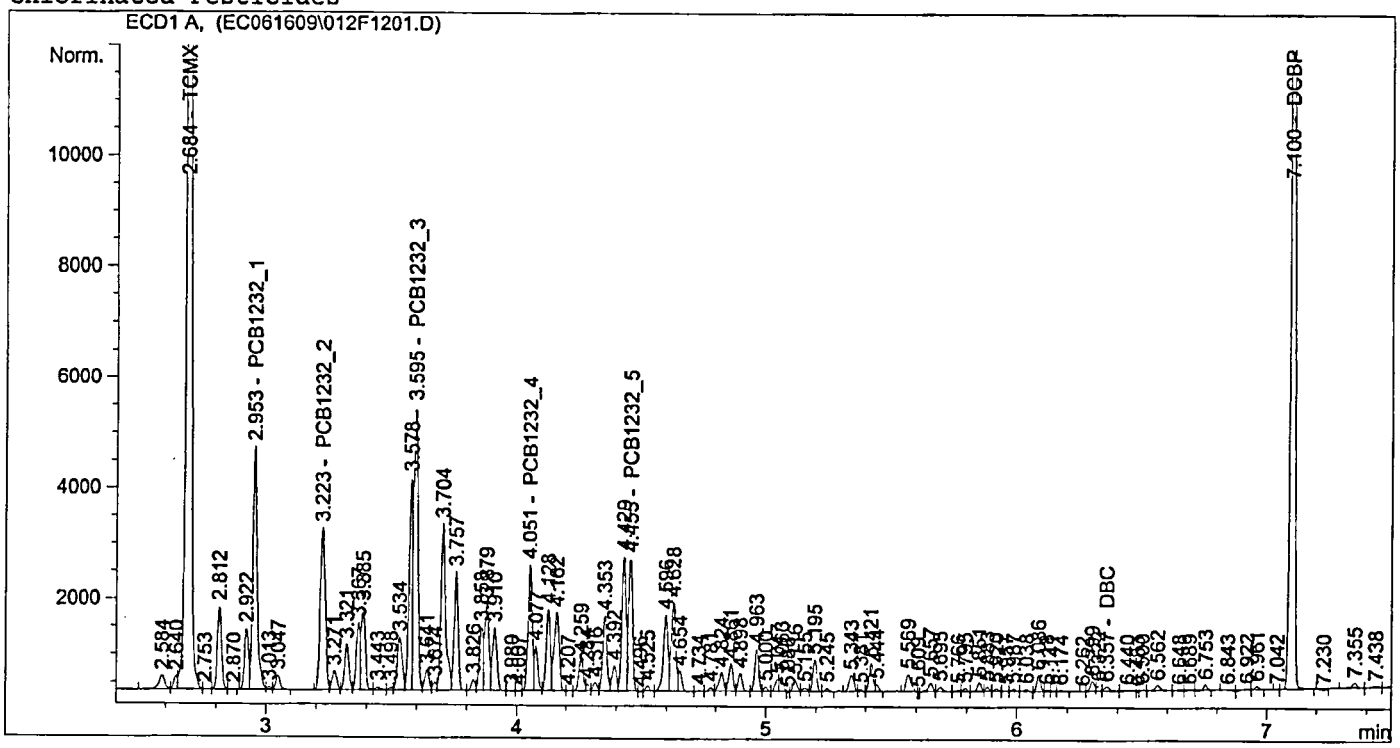
Totals : 5100.29123

BWS
6.17.09

Results obtained with enhanced integrator!

```
==================================================================
                    *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 4:36:37 PM          Seq. Line :  12
Sample Name     : A1232 x500 ICAL                Location : Vial 12
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2.74659e4	1.72547e-3	47.39165		TCMX
2.953	VV	5459.36719	9.36271e-2	511.14479		PCB1232_1
3.223	VV	4011.20239	1.23487e-1	495.33154		PCB1232_2
3.595	VV	5890.49268	8.56516e-2	504.53041		PCB1232_3
4.051	VV	2581.75781	1.85751e-1	479.56532		PCB1232_4
4.455	VP	2731.88257	1.80105e-1	492.02517		PCB1232_5
6.357	VB	88.85879	6.02957e-1	53.57802		DBC
7.100	PB	2.28398e4	2.12244e-3	48.47617		DCBP

Totals : 2632.04306

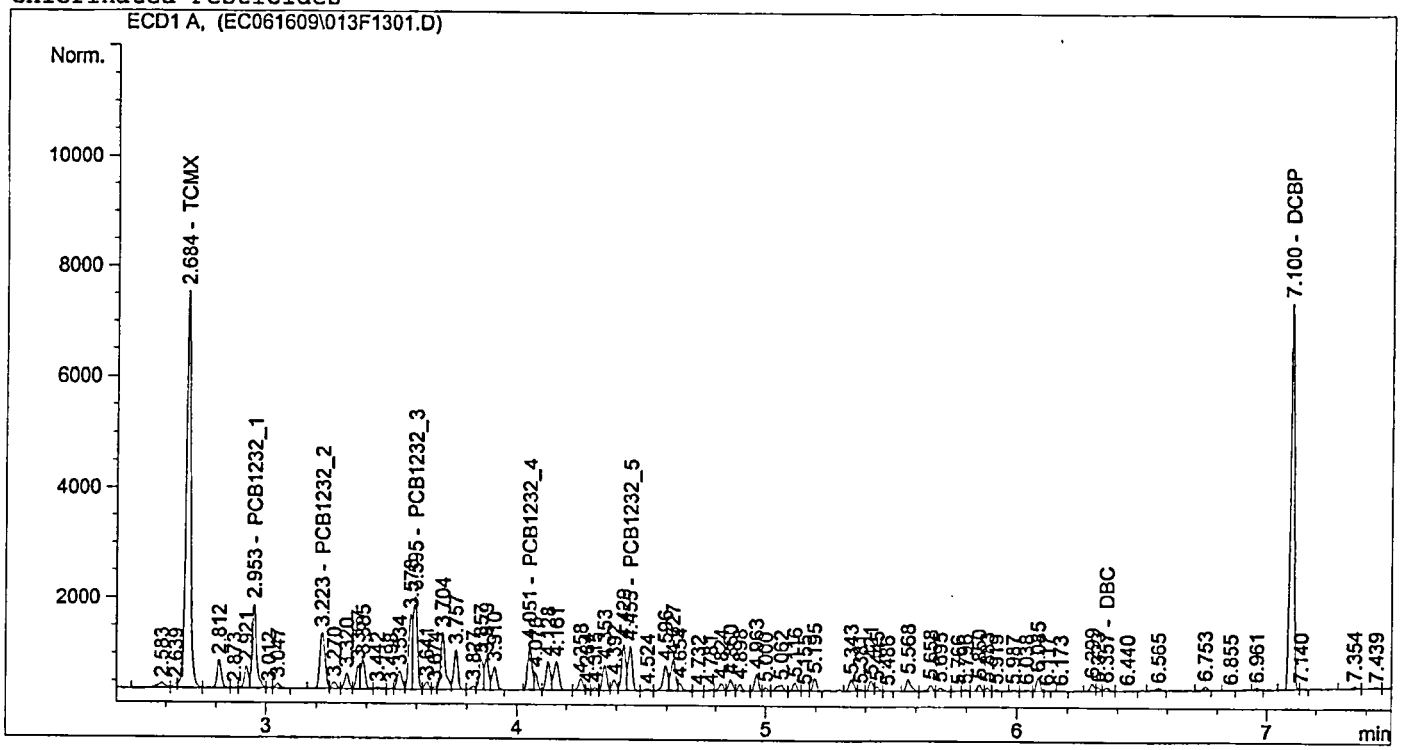
BWS
6.17.09

Results obtained with enhanced integrator!

==

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 4:49:25 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	9296.84180	2.09031e-3	19.43330		TCMX
2.953	VV	1918.33850	9.87621e-2	189.45923		PCB1232_1
3.223	VV	1475.92578	1.31246e-1	193.70935		PCB1232_2
3.595	VV	1920.76770	9.71906e-2	186.68064		PCB1232_3
4.051	PV	955.56946	2.03404e-1	194.36619		PCB1232_4
4.455	VV	916.82739	2.06340e-1	189.17791		PCB1232_5
6.357	VV	74.82659	2.90451e-1	21.73349		DBC
7.100	VV	7333.77930	2.58480e-3	18.95637		DCBP

Totals : 1013.51648

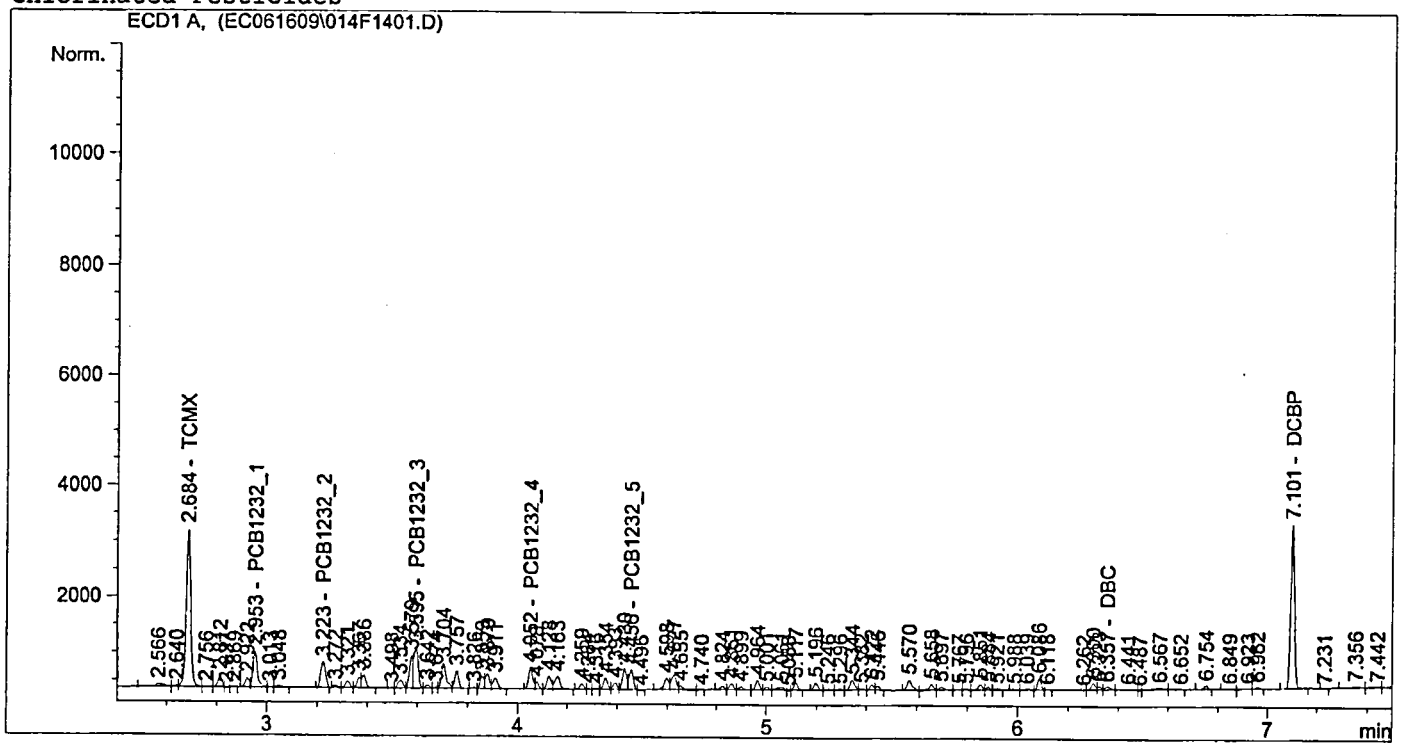
BWS
6.17.09

Results obtained with enhanced integrator!

==

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 5:02:18 PM          Seq. Line :  14
Sample Name     : A1232 x100 ICAL                Location : Vial 14
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                     External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

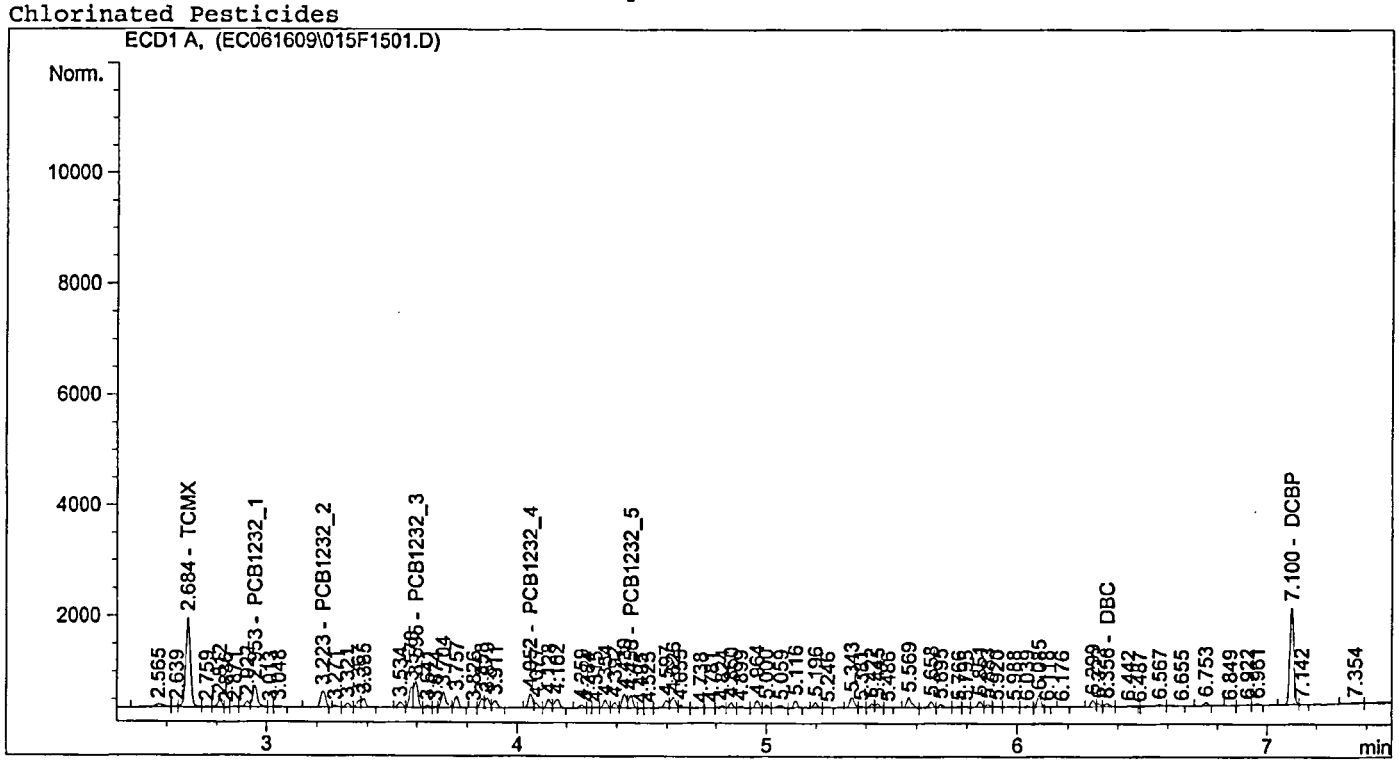
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	3586.46118	2.96844e-3	10.64621		TCMX
2.953	VV	822.08234	1.09319e-1	89.86959		PCB1232_1
3.223	BP	627.54523	1.47842e-1	92.77740		PCB1232_2
3.595	VV	845.77960	1.18953e-1	100.60800		PCB1232_3
4.052	PV	440.46237	2.36177e-1	104.02727		PCB1232_4
4.456	VP	406.56943	2.55897e-1	104.03988		PCB1232_5
6.357	VV	70.51414	1.69425e-1	11.94687		DBC
7.101	PB	3122.70605	3.50320e-3	10.93948		DCBP
Totals :				524.85470		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 5:15:07 PM          Seq. Line :  15
Sample Name     : A1232 x40 ICAL                 Location : Vial 15
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

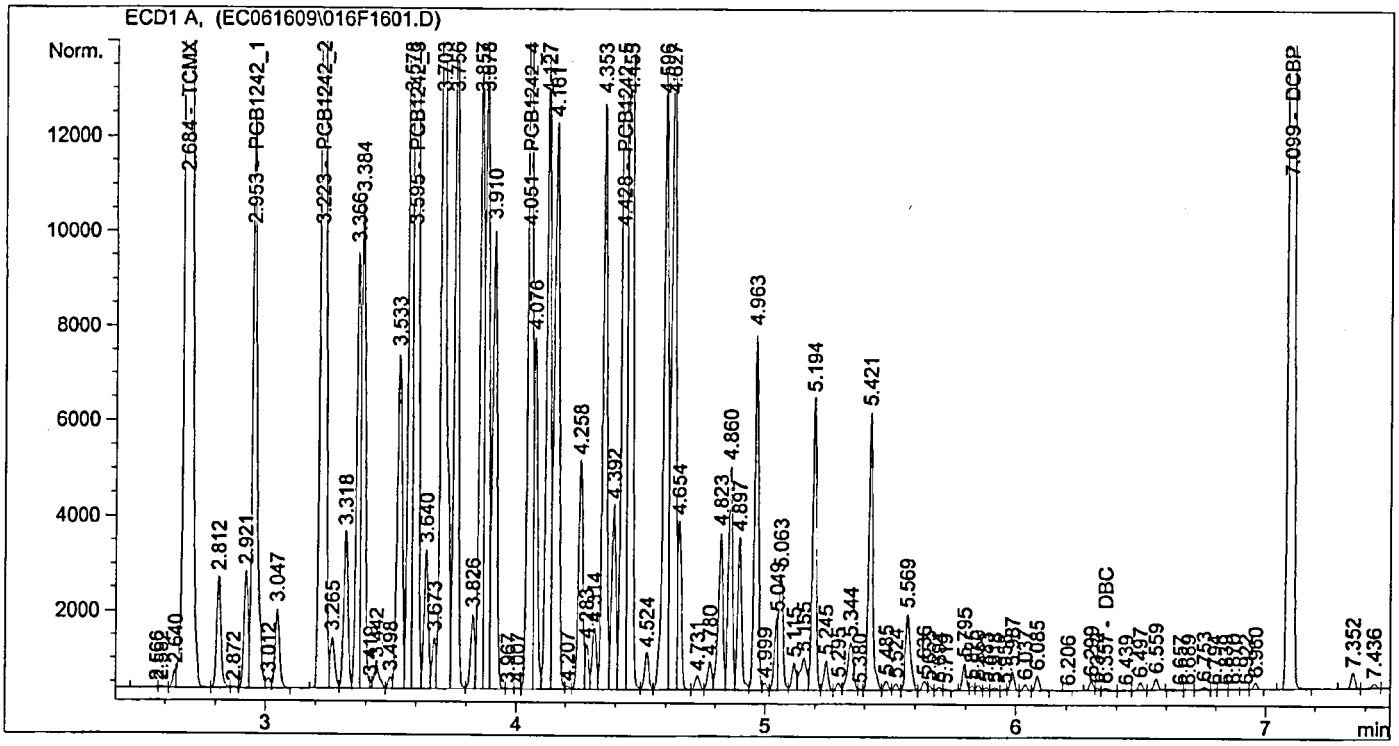
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2089.24365	3.99298e-3	8.34230		TCMX
2.953	VV	495.08936	1.21521e-1	60.16384		PCB1232_1
3.223	BP	395.82391	1.64744e-1	65.20948		PCB1232_2
3.595	VV	525.02045	1.42709e-1	74.92531		PCB1232_3
4.052	PV	292.69611	2.66871e-1	78.11219		PCB1232_4
4.456	VP	251.54694	3.10773e-1	78.17393		PCB1232_5
6.356	VV	66.05173	2.75526e-2	1.81990		DBC
7.100	VV	1875.22559	4.56722e-3	8.56457		DCBP
Totals :				375.31152		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  16
Sample Name     : A1242 x2000 ICAL               Location : Vial 16
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	1.24533e5	1.61574e-3	201.21328		TCMX
2.953	VV	1.58930e4	1.25320e-1	1991.70688		PCB1242_1
3.223	PV	2.95357e4	6.73104e-2	1988.06254		PCB1242_2
3.595	VV	4.49982e4	4.43743e-2	1996.76595		PCB1242_3
4.051	VV	2.33747e4	8.57256e-2	2003.81239		PCB1242_4
4.428	VV	2.53352e4	7.92151e-2	2006.93062		PCB1242_5
6.357	VV	46.07360	0.00000	0.00000		DBC
7.099	BV	1.01493e5	1.98905e-3	201.87401		DCBP

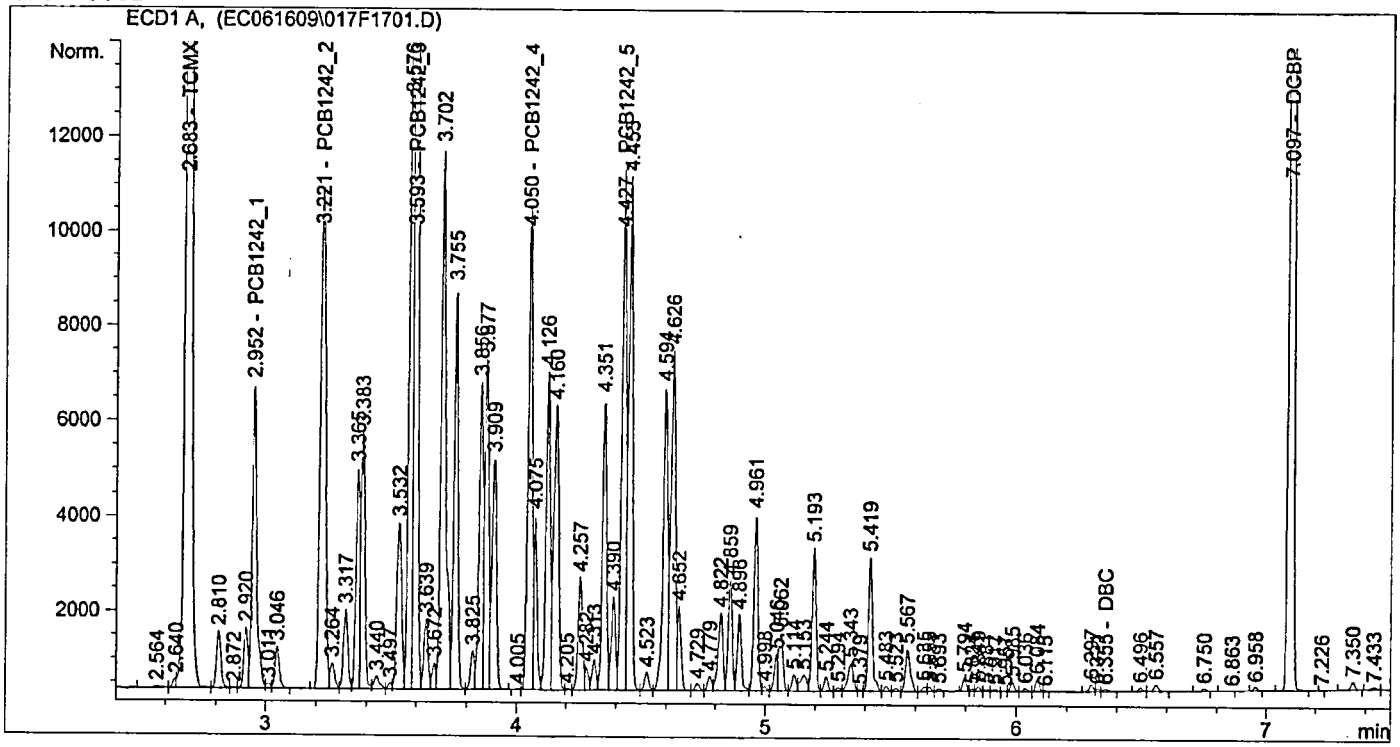
Totals : 1.03904e4

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  17
Sample Name     : A1242 x1000 ICAL               Location : Vial 17
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.683	VV	6.12233e4	1.64980e-3	101.00598		TCMX
2.952	VV	8266.91797	1.25530e-1	1037.74860		PCB1242_1
3.221	PV	1.55127e4	6.74188e-2	1045.84986		PCB1242_2
3.593	VV	2.27097e4	4.47441e-2	1016.12539		PCB1242_3
4.050	VV	1.17902e4	8.67780e-2	1023.13035		PCB1242_4
4.427	VV	1.25010e4	8.02404e-2	1003.08927		PCB1242_5
6.355	VB	69.59908	0.00000	0.00000		DBC
7.097	VB	4.86358e4	2.03100e-3	98.77927		DCBP

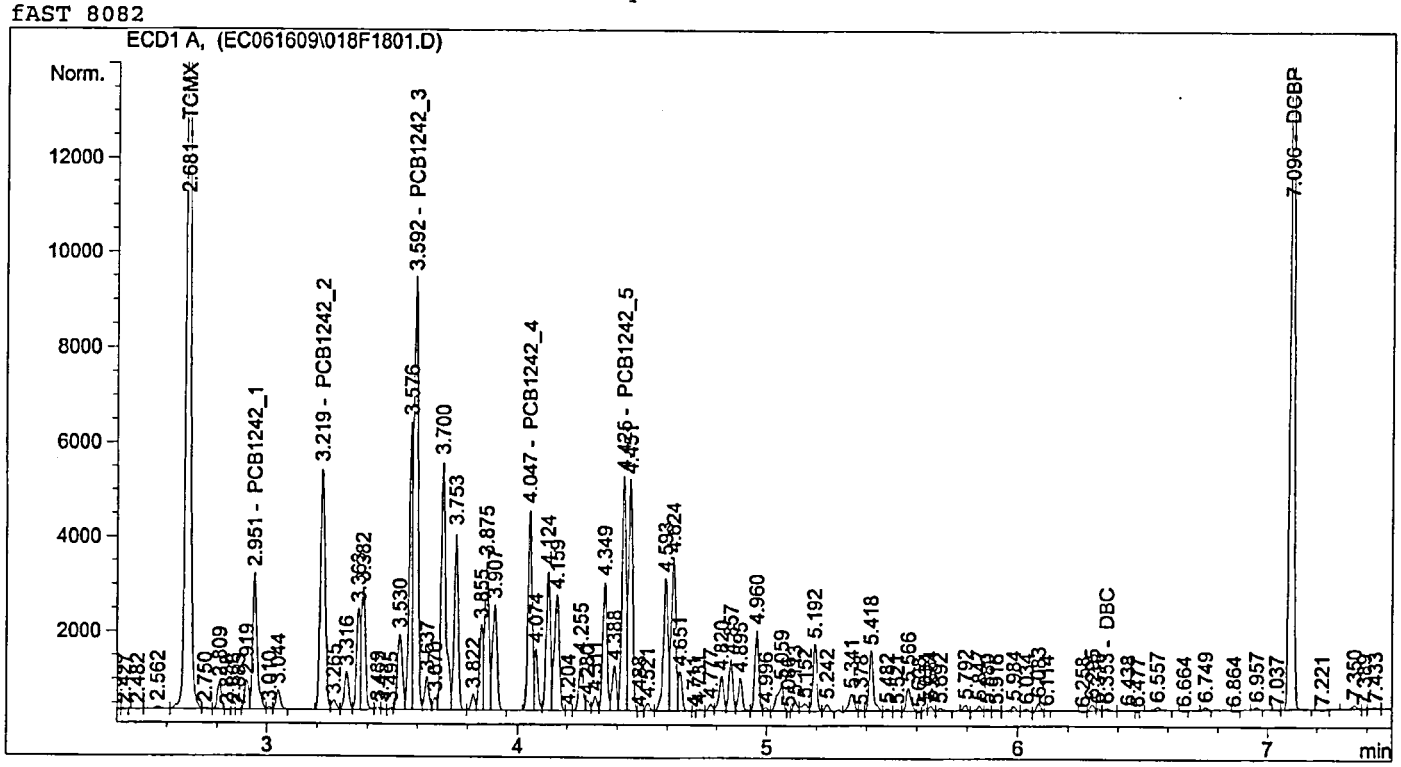
Totals : 5325.72872

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 5:53:51 PM          Seq. Line :  18
Sample Name     : A1242 x500 ICAL                Location : Vial 18
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	2.43234e4	1.75143e-3	42.60065		TCMX
2.951	VV	3628.71558	1.26091e-1	457.54749		PCB1242_1
3.219	PV	6743.10840	6.77157e-2	456.61398		PCB1242_2
3.592	VV	1.06319e4	4.55920e-2	484.72847		PCB1242_3
4.047	PV	4836.10059	8.98314e-2	434.43365		PCB1242_4
4.425	VV	5635.85596	8.27059e-2	466.11862		PCB1242_5
6.353	VV	69.22704	0.00000	0.00000		DBC
7.096	PB	2.08276e4	2.13856e-3	44.54098		DCBP

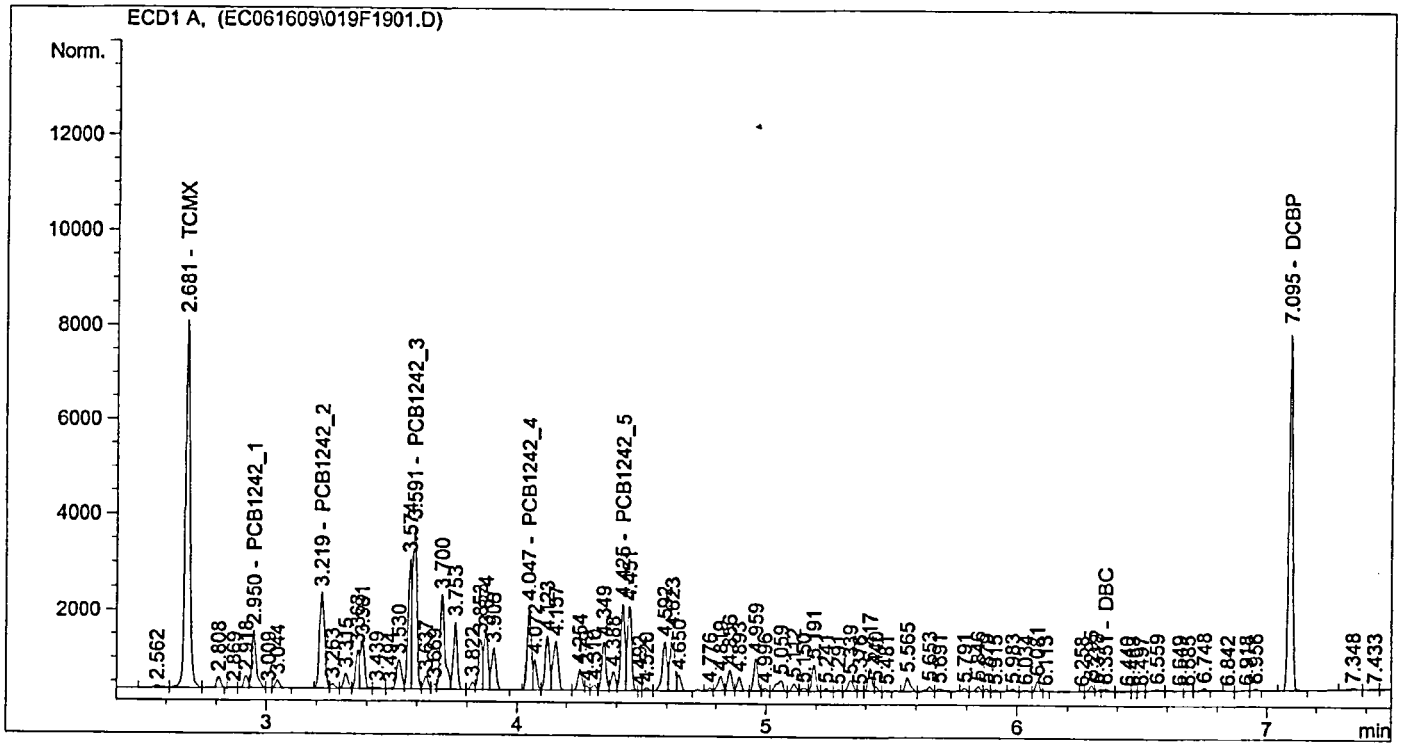
BWS
6.17.09

Totals : 2386.58383

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:06:49 PM          Seq. Line :  19
Sample Name     : A1242 x200 ICAL                Location : Vial 19
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	9864.52441	1.99859e-3	19.71514		TCMX
2.950	VV	1538.38574	1.27448e-1	196.06436		PCB1242_1
3.219	BV	2850.61401	6.84328e-2	195.07536		PCB1242_2
3.591	VV	3870.94604	4.83767e-2	187.26378		PCB1242_3
4.047	PV	2049.92676	9.68676e-2	198.57148		PCB1242_4
4.425	VV	2122.51245	9.01373e-2	191.31744		PCB1242_5
6.351	VV	44.81857	0.00000	0.00000		DBC
7.095	PB	7972.79297	2.44186e-3	19.46847		DCBP

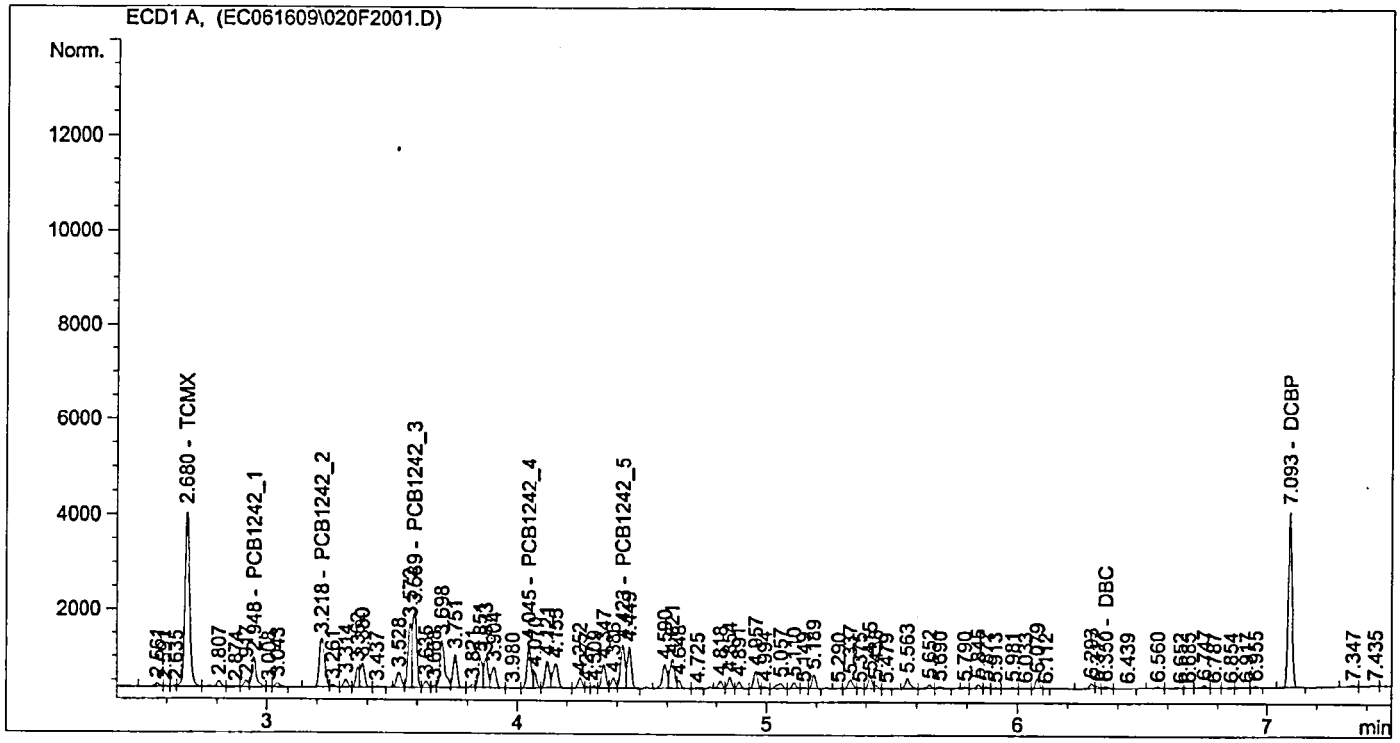
Totals : 1007.47603

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:19:35 PM          Seq. Line :  20
Sample Name     : A1242 x100 ICAL                Location : Vial 20
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	4837.55371	2.43066e-3	11.75844		TCMX
2.948	VV	793.58032	1.29660e-1	102.89531		PCB1242_1
3.218	BV	1467.12085	6.96042e-2	102.11777		PCB1242_2
3.589	VV	1857.66870	5.31227e-2	98.68435		PCB1242_3
4.045	VV	1025.63940	1.09065e-1	111.86094		PCB1242_4
4.423	VV	1045.56165	1.02416e-1	107.08219		PCB1242_5
6.350	VV	56.60671	0.00000	0.00000		DBC
7.093	VB	3930.30664	2.94731e-3	11.58384		DCBP

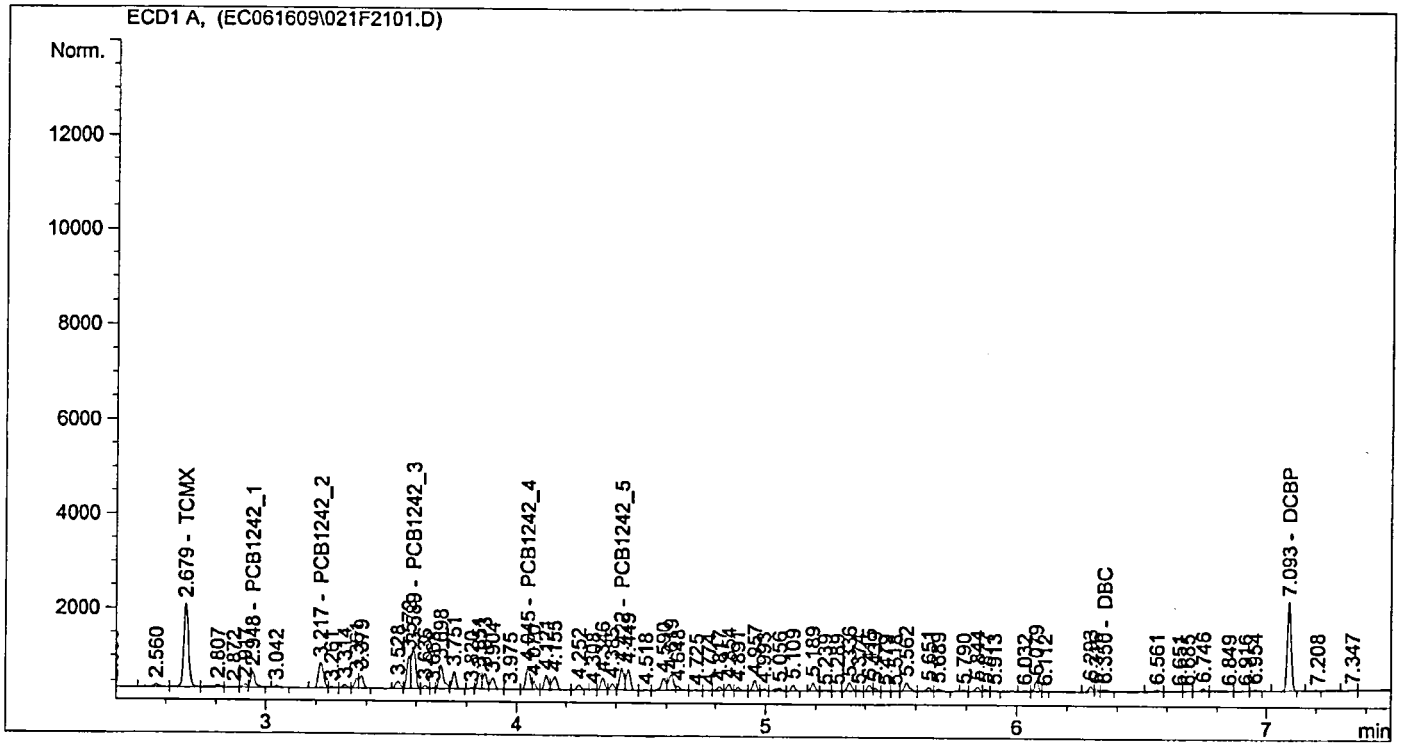
Totals : 545.98284

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:32:31 PM          Seq. Line :  21
Sample Name     : A1242 x40 ICAL                 Location : Vial 21
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2277.57568	3.38364e-3	7.70651		TCMX
2.948	VV	403.00357	1.34087e-1	54.03736		PCB1242_1
3.217	VV	725.38965	7.20723e-2	52.28049		PCB1242_2
3.589	VV	897.33759	6.28883e-2	56.43206		PCB1242_3
4.045	VV	509.78085	1.33766e-1	68.19119		PCB1242_4
4.422	VV	513.44421	1.27496e-1	65.46186		PCB1242_5
6.350	VV	56.95115	0.00000	0.00000		DBC
7.093	BV	1966.44092	3.94288e-3	7.75343		DCBP

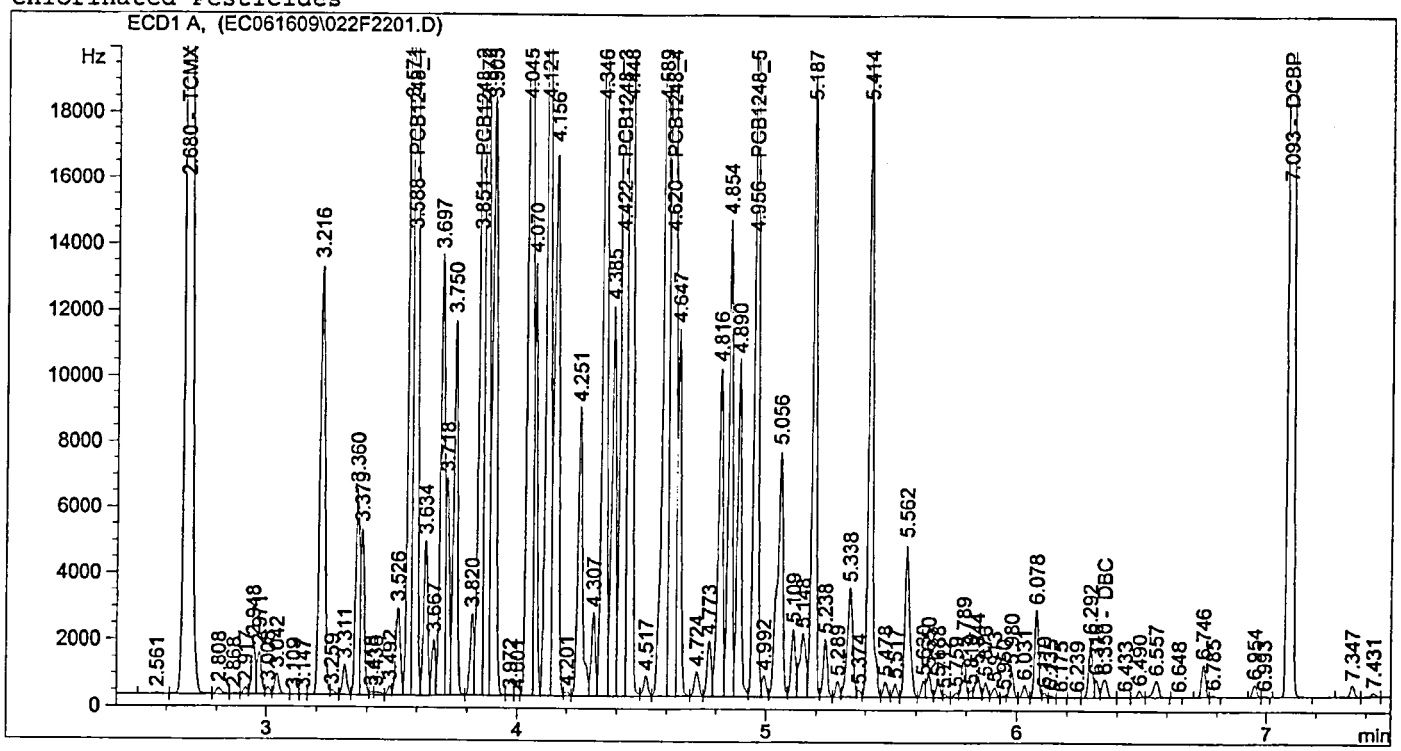
Totals : 311.86290

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:45:23 PM          Seq. Line :  22
Sample Name     : A1248 x2000 ICAL               Location : Vial 22
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                     External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	1.29592e5	1.56648e-3	203.00286		TCMX
3.588	VV	3.66658e4	5.51413e-2	2021.79814		PCB1248_1
3.851	VV	3.11485e4	6.45359e-2	2010.19920		PCB1248_2
4.422	VV	5.81616e4	3.48179e-2	2025.06568		PCB1248_3
4.620	VV	4.46546e4	4.53601e-2	2025.53551		PCB1248_4
4.956	VV	2.71306e4	7.47898e-2	2029.09034		PCB1248_5
6.350	VV	766.40961	2.61907e-1	200.72788		DBC
7.093	BV	1.04567e5	1.94984e-3	203.88982		DCBP
Totals :				1.07193e4		

BWS
6/17/09

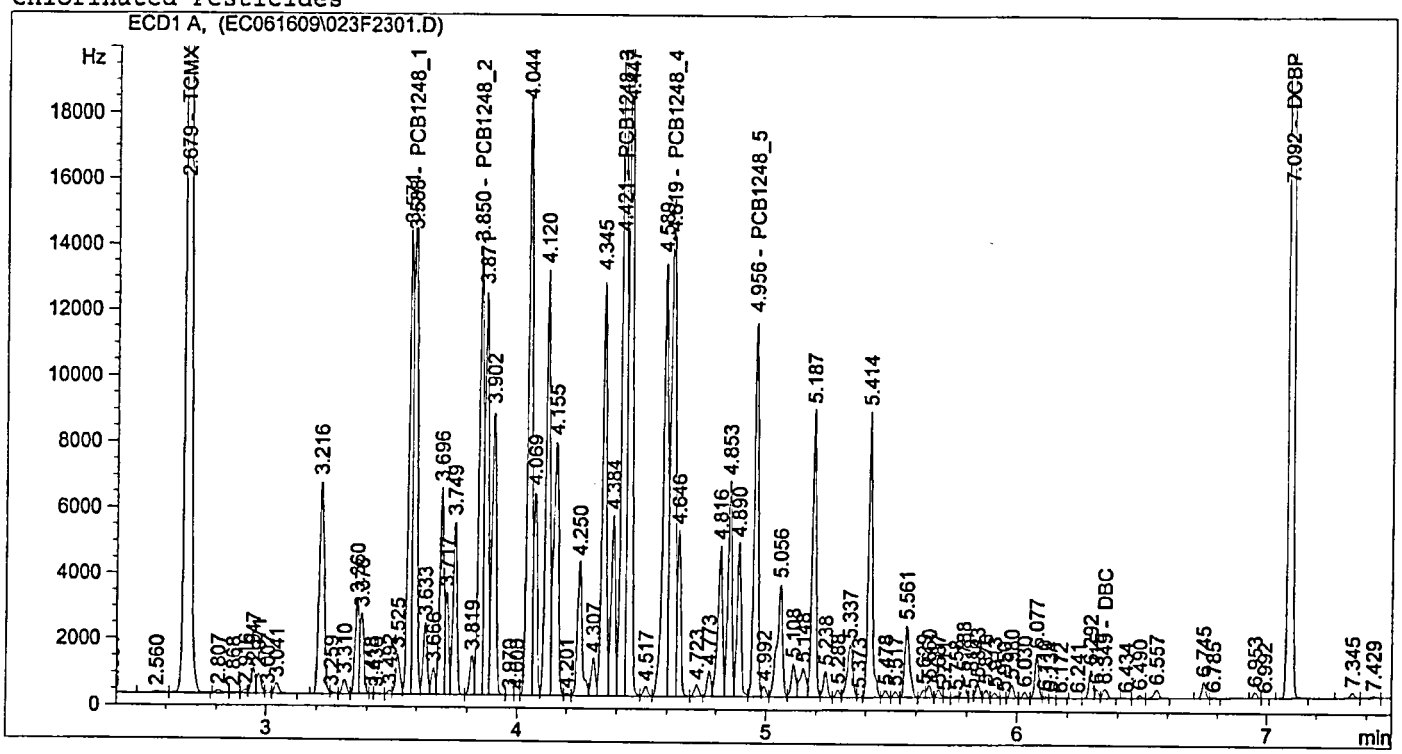
```
Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

==========

Injection Date : 6/16/2009 6:58:15 PM
Sample Name : A1248 x1000 ICAL
Acq. Operator : BWS

Seq. Line : 23
Location : Vial 23
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:02:53 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	5.91737e4	1.61856e-3	95.77608		TCMX
3.588	VV	1.72012e4	5.64207e-2	970.50645		PCB1248_1
3.850	VV	1.50825e4	6.60115e-2	995.61554		PCB1248_2
4.421	VV	2.69915e4	3.57349e-2	964.53920		PCB1248_3
4.619	VV	2.07182e4	4.65335e-2	964.09235		PCB1248_4
4.956	VV	1.24627e4	7.68971e-2	958.34194		PCB1248_5
6.349	VB	400.58411	2.49832e-1	100.07870		DBC
7.092	VB	4.66681e4	2.01809e-3	94.18048		DCBP

Totals : 5143.13073

BWS
6.17.09

Results obtained with enhanced integrator!

==========

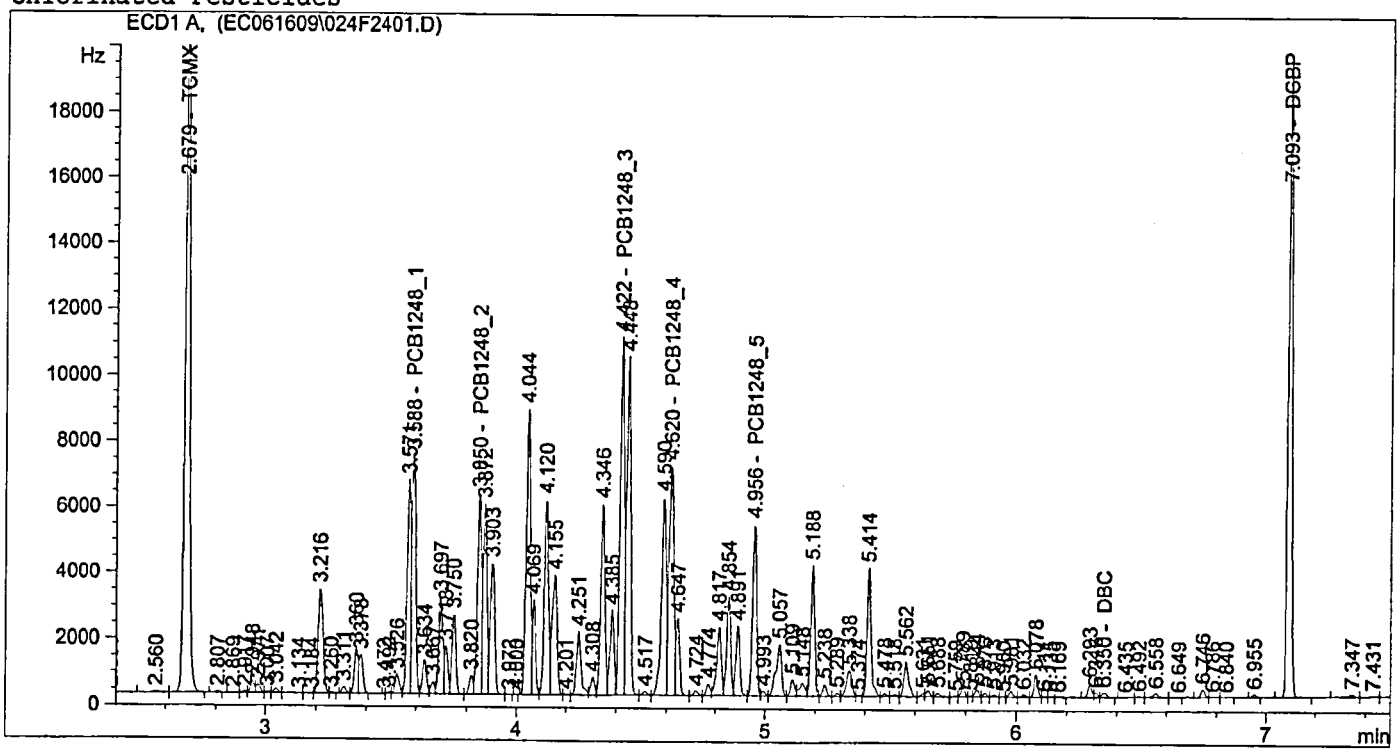
*** End of Report ***

==========

Injection Date : 6/16/2009 7:11:15 PM
Sample Name : A1248 x500 ICAL
Acq. Operator : BWS

Seq. Line : 24
Location : Vial 24
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides



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External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:02:53 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	2.65143e4	1.73661e-3	46.04496		TCMX
3.588	VV	7947.63037	5.92269e-2	470.71361		PCB1248_1
3.850	VV	6716.69434	6.95747e-2	467.31201		PCB1248_2
4.422	VV	1.24080e4	3.77458e-2	468.34971		PCB1248_3
4.620	VV	9514.63184	4.91111e-2	467.27423		PCB1248_4
4.956	VV	5683.82764	8.15457e-2	463.49196		PCB1248_5
6.350	VB	209.95770	2.26864e-1	47.63186		DBC
7.093	VB	2.09592e4	2.16929e-3	45.46662		DCBP

Totals : 2476.28497

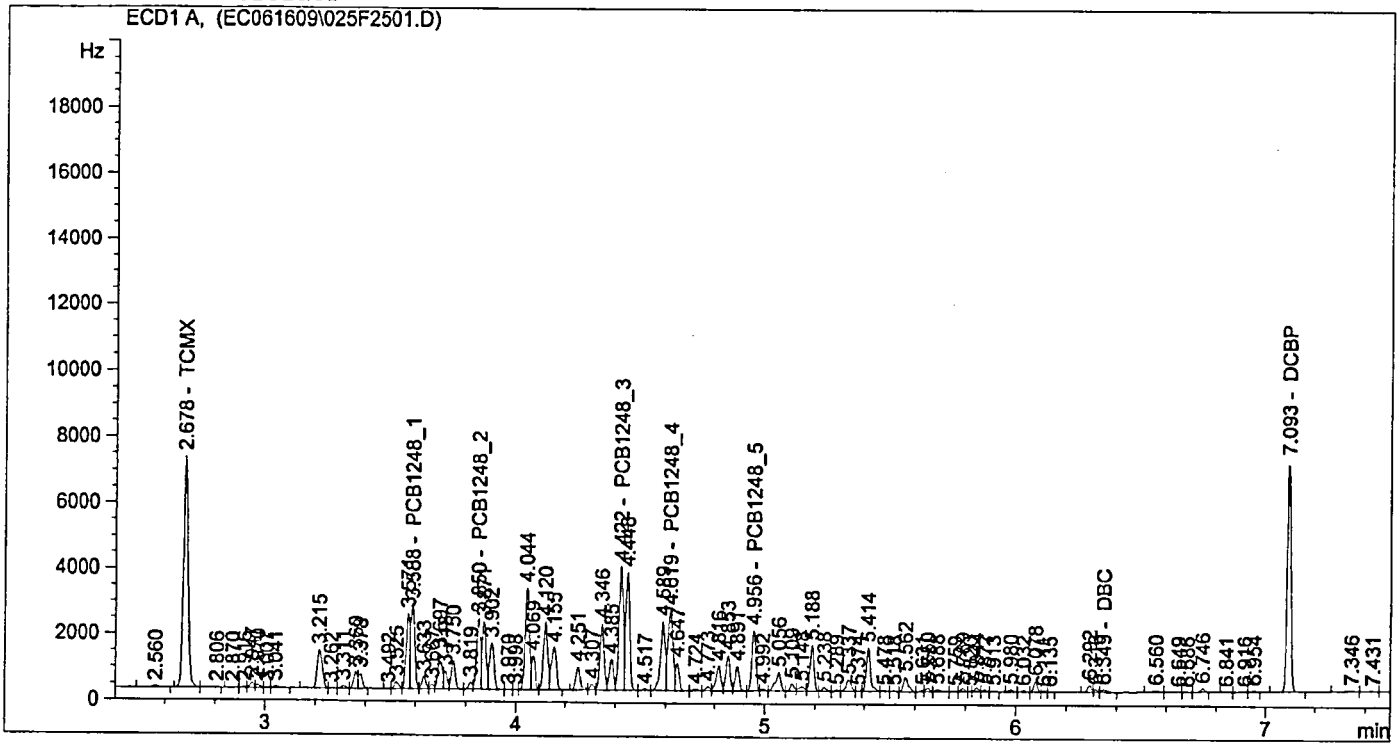
BWS
6.17.09

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 7:24:05 PM          Seq. Line :  25
Sample Name     : A1248 x200 ICAL                Location : Vial 25
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

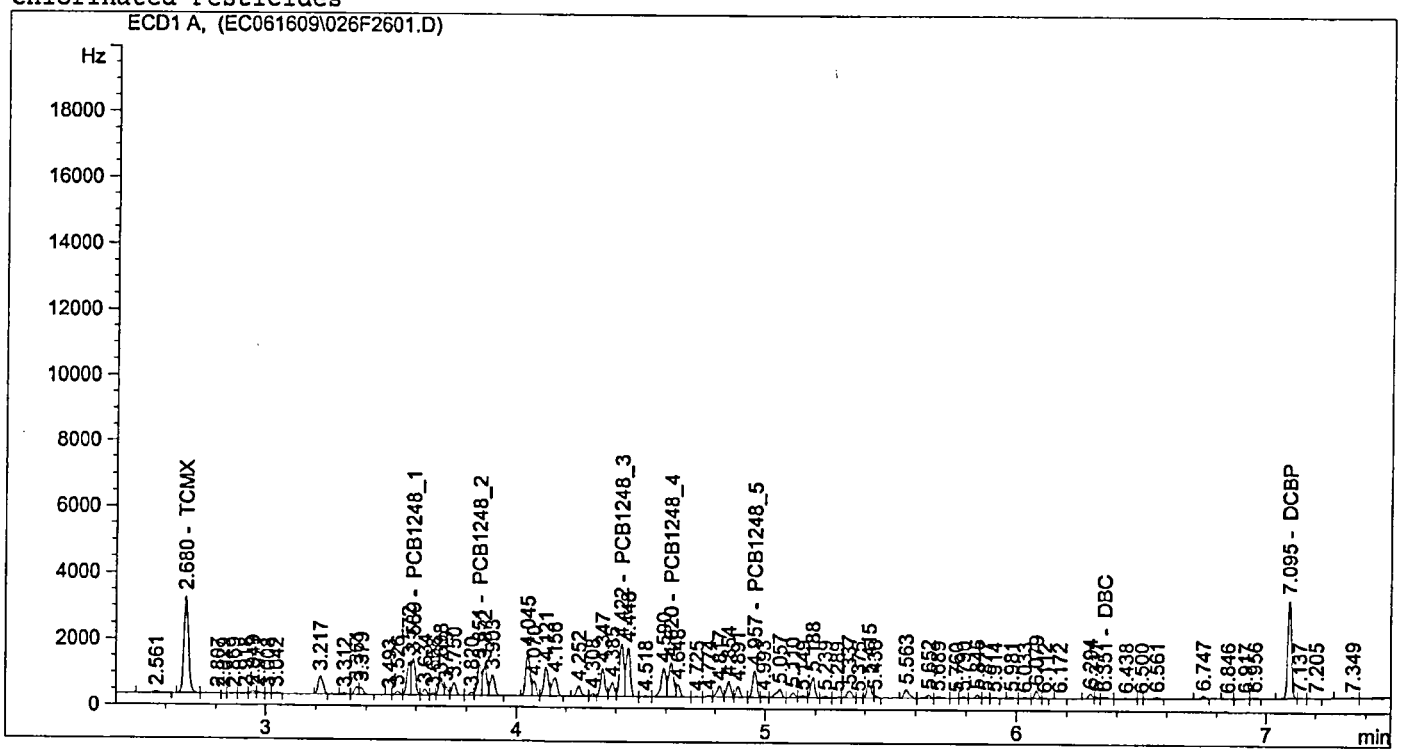
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	9037.30078	2.15025e-3	19.43242		TCMX
3.588	VV	2780.86670	6.89187e-2	191.65365		PCB1248_1
3.850	VV	2357.02759	8.14568e-2	191.99596		PCB1248_2
4.422	VV	4327.10547	4.46966e-2	193.40674		PCB1248_3
4.619	VV	3333.63086	5.79492e-2	193.18114		PCB1248_4
4.956	VV	1994.11768	9.73592e-2	194.14578		PCB1248_5
6.349	VB	100.45596	1.74253e-1	17.50476		DBC
7.093	BB	7328.20898	2.67982e-3	19.63826		DCBP

Totals : 1020.95871

BWS
6-17-09

```
Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:37:02 PM          Seq. Line :  26
Sample Name     : A1248 x100 ICAL                Location : Vial 26
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

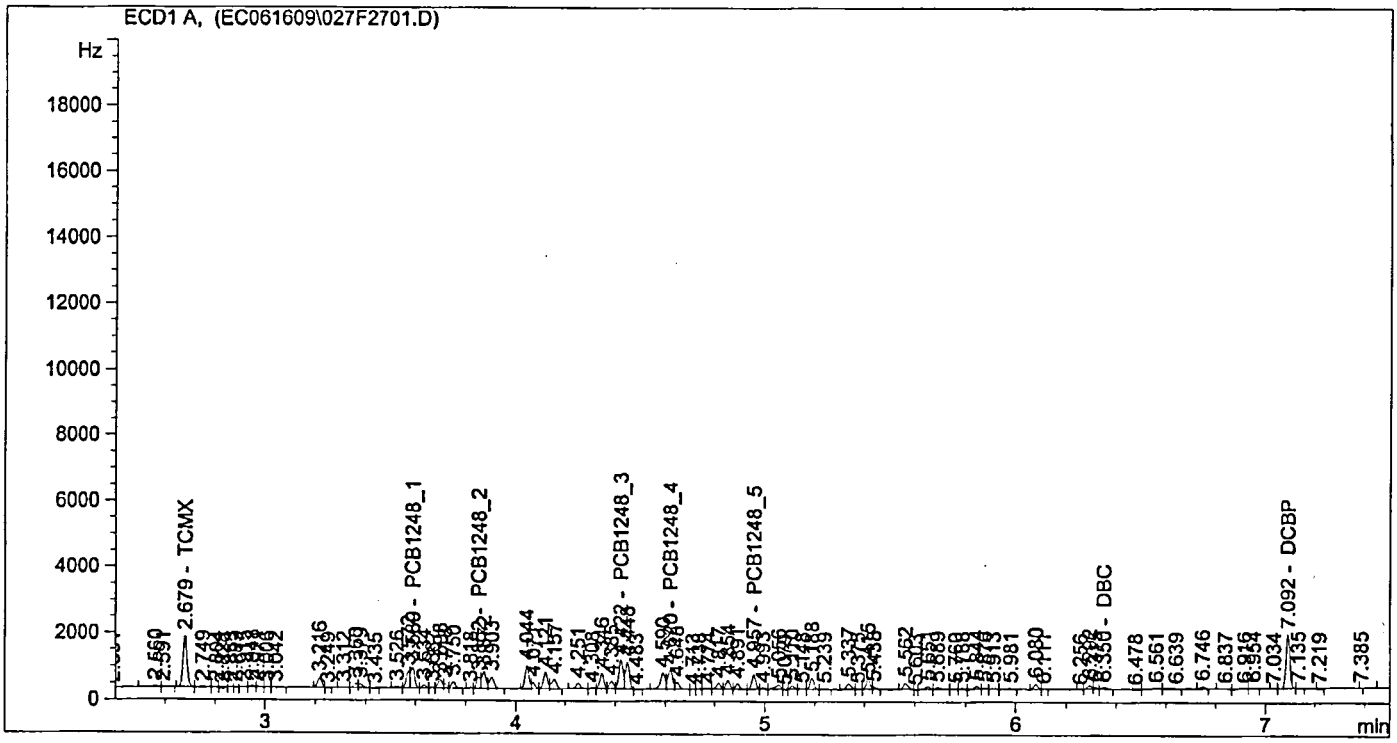
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	BV	3712.91650	3.05013e-3	11.32487		TCMX
3.589	VV	1206.29956	8.83780e-2	106.61035		PCB1248_1
3.851	VV	1041.66187	1.04573e-1	108.92969		PCB1248_2
4.422	VV	1840.27234	5.91190e-2	108.79501		PCB1248_3
4.620	VV	1445.28992	7.57244e-2	109.44370		PCB1248_4
4.957	VV	865.40601	1.29131e-1	111.75064		PCB1248_5
6.351	VV	72.35494	1.35075e-1	9.77336		DBC
7.095	VV	3173.20874	3.70768e-3	11.76526		DCBP
Totals :				578.39286		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:49:47 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                     External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	BV	1804.44470	4.66559e-3	8.41880		TCMX
3.589	VV	689.87244	1.14105e-1	78.71781		PCB1248_1
3.852	VV	361.03488	1.82663e-1	65.94761		PCB1248_2
4.422	VV	989.36005	8.07023e-2	79.84367		PCB1248_3
4.620	VV	791.98114	1.01610e-1	80.47308		PCB1248_4
4.957	VV	474.01437	1.75479e-1	83.17933		PCB1248_5
6.350	VV	66.93967	1.23745e-1	8.28346		DBC
7.092	PV	1745.26758	5.19093e-3	9.05955		DCBP
Totals :				413.92331		

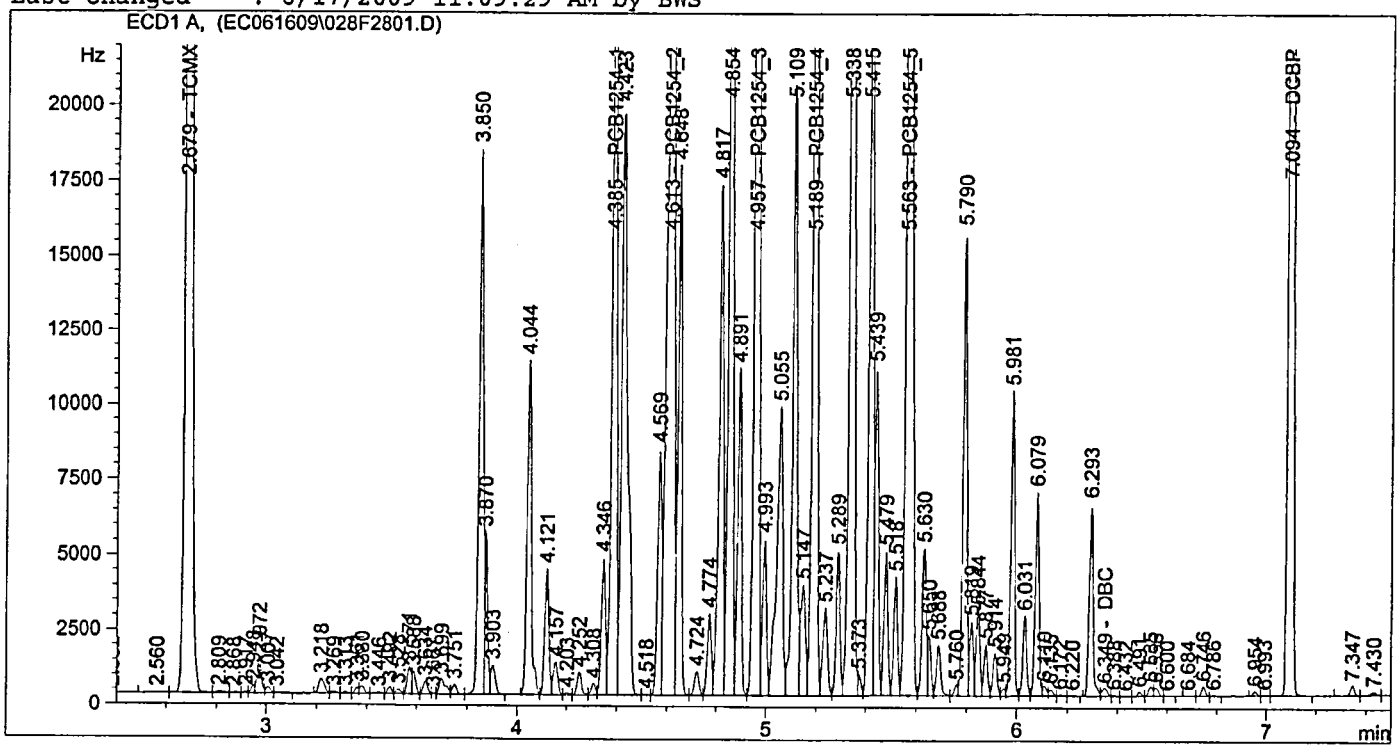
BWS
6-17-09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

==========

Injection Date : 6/16/2009 8:02:36 PM Seq. Line : 28
Sample Name : A1254 x2000 ICAL Location : Vial 28
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



==========

External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.22053e5	1.64476e-3	200.74826		TCMX
4.385	VV	3.54882e4	5.61857e-2	1993.92745		PCB1254_1
4.613	VV	6.50329e4	3.06972e-2	1996.32766		PCB1254_2
4.957	VV	6.96113e4	2.87116e-2	1998.65055		PCB1254_3
5.189	VV	5.35099e4	3.74030e-2	2001.43030		PCB1254_4
5.563	VV	7.03196e4	2.84810e-2	2002.77366		PCB1254_5
6.349	VV	399.02768	9.50029e-1	379.08784		DBC
7.094	VB	9.78117e4	2.05768e-3	201.26552		DCBP

Totals : 1.07742e4

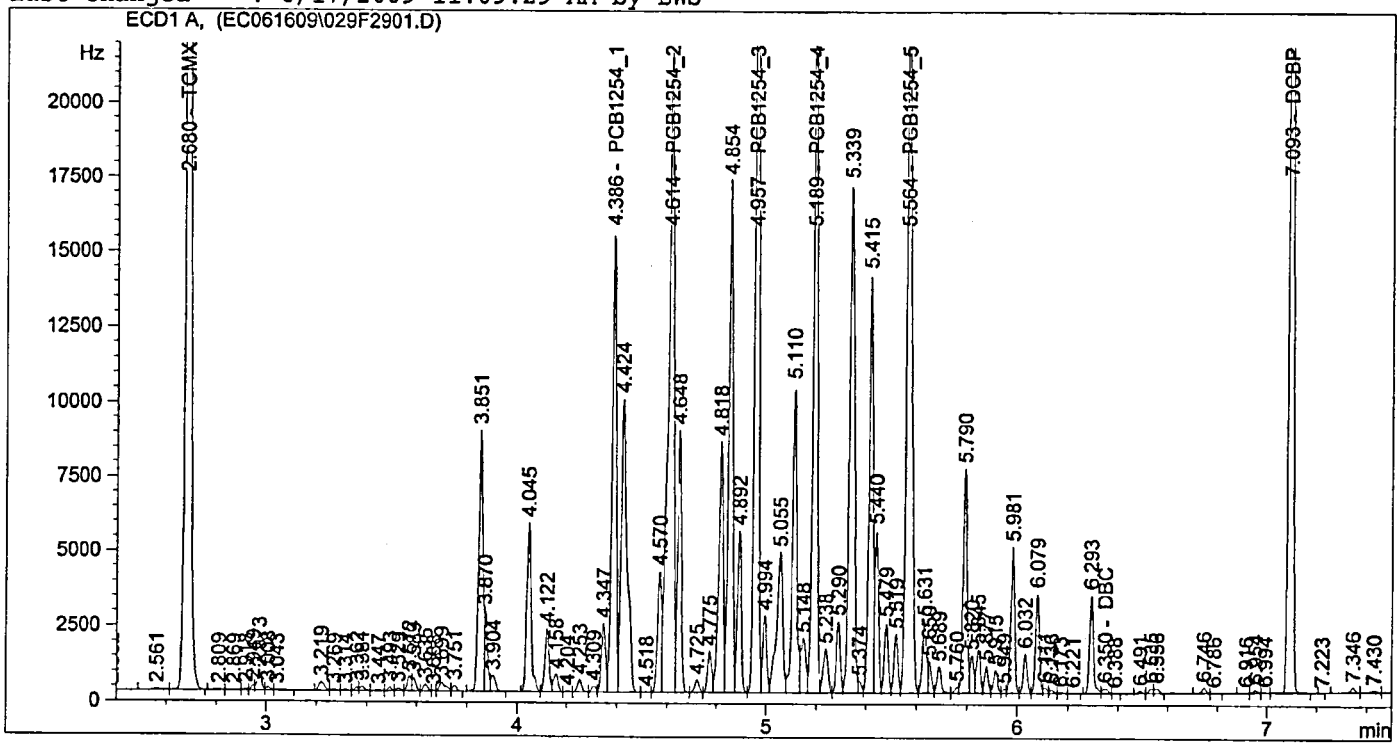
BWS
6.17.09

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 8:15:36 PM          Seq. Line :  29
Sample Name     : A1254 x1000 ICAL               Location : Vial 29
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```

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==================================================================
                    External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VB	5.90748e4	1.67583e-3	98.99900		TCMX
4.386	VV	1.79271e4	5.65267e-2	1013.35817		PCB1254_1
4.614	VV	3.26436e4	3.09336e-2	1009.78517		PCB1254_2
4.957	VV	3.46685e4	2.90225e-2	1006.16530		PCB1254_3
5.189	VV	2.64542e4	3.78543e-2	1001.40418		PCB1254_4
5.564	VV	3.46506e4	2.88480e-2	999.60283		PCB1254_5
6.350	VV	239.65477	0.00000	0.00000		DBC
7.093	VB	4.69330e4	2.09460e-3	98.30605		DCBP

Totals : 5227.62071

BWS
6.17.09

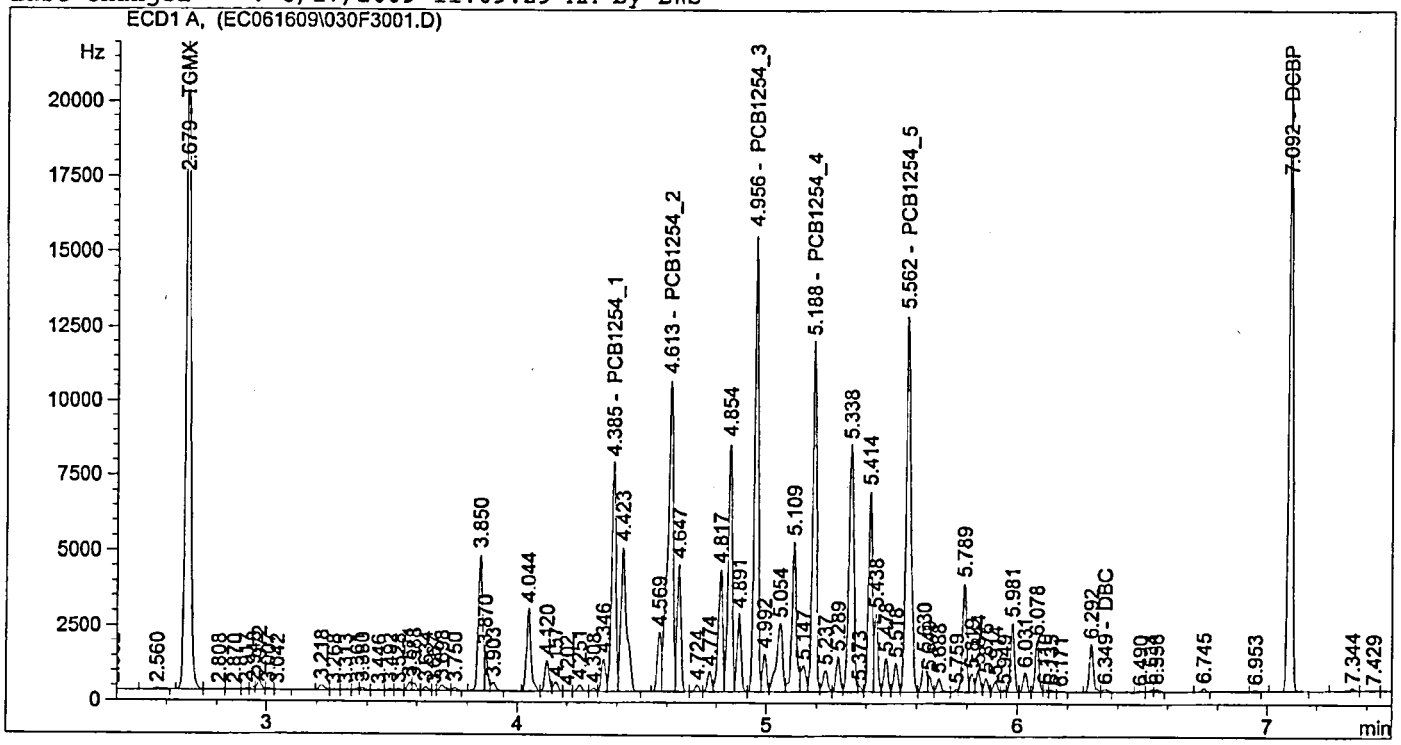
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

==========

Injection Date : 6/16/2009 8:28:31 PM Seq. Line : 30
Sample Name : A1254 x500 ICAL Location : Vial 30
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2.86009e4	1.73998e-3	49.76491		TCMX
4.385	VV	8812.30469	5.72395e-2	504.41229		PCB1254_1
4.613	VV	1.59512e4	3.14303e-2	501.35128		PCB1254_2
4.956	VV	1.68036e4	2.96809e-2	498.74692		PCB1254_3
5.188	VV	1.27868e4	3.88083e-2	496.23276		PCB1254_4
5.562	VV	1.67089e4	2.96250e-2	495.00058		PCB1254_5
6.349	VV	139.15649	0.00000	0.00000		DBC
7.092	VV	2.23516e4	2.17267e-3	48.56259		DCBP

Totals : 2594.07133

BWS
6.17.09

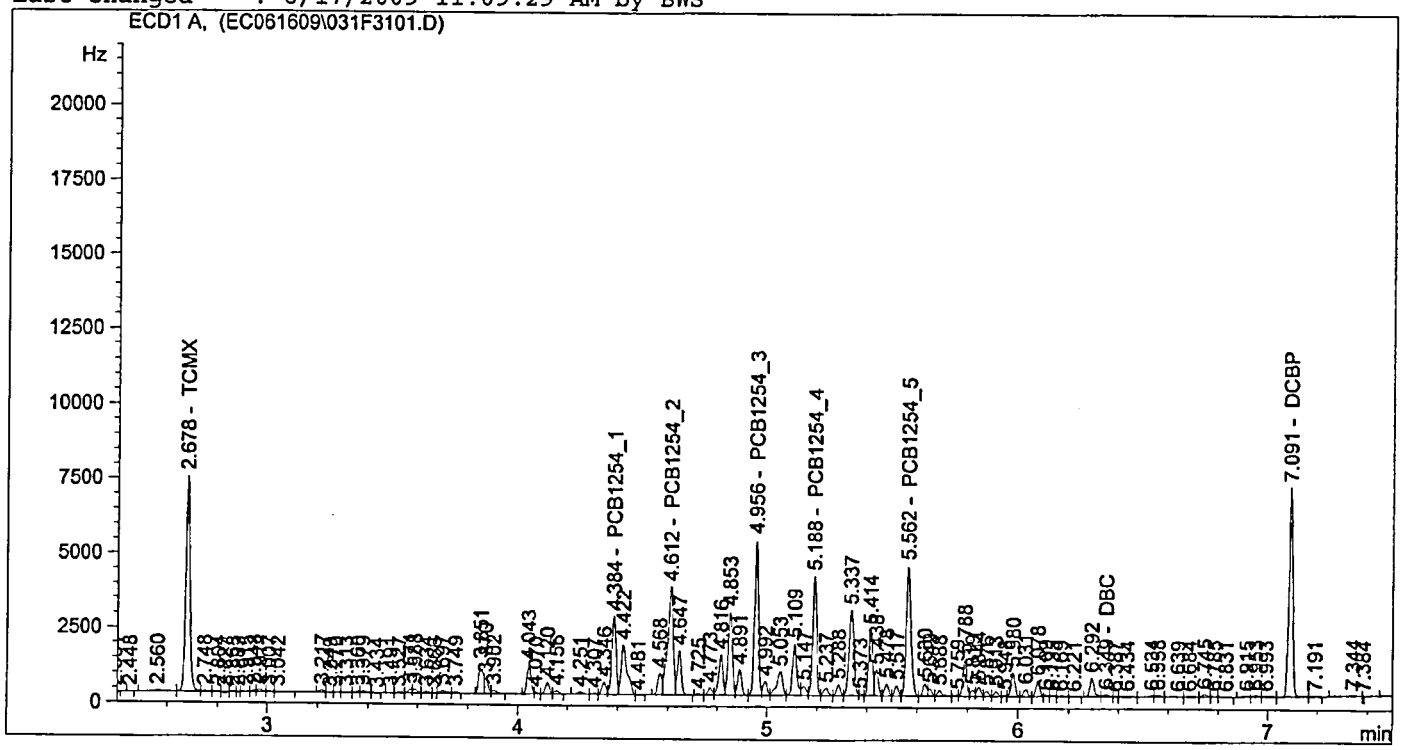
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

==========

Injection Date : 6/16/2009 8:41:32 PM Seq. Line : 31
Sample Name : A1254 x200 ICAL Location : Vial 31
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	8524.24609	2.03289e-3	17.32882		TCMX
4.384	VV	3080.65039	5.98480e-2	184.37073		PCB1254_1
4.612	VV	5549.41016	3.32512e-2	184.52429		PCB1254_2
4.956	VV	5754.39941	3.21343e-2	184.91339		PCB1254_3
5.188	VV	4395.10254	4.23342e-2	186.06293		PCB1254_4
5.562	VV	5617.83398	3.25875e-2	183.07117		PCB1254_5
6.349	VV	141.14275	0.00000	0.00000		DBC
7.091	VV	7539.11914	2.46550e-3	18.58767		DCBP

Totals : 958.85900

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

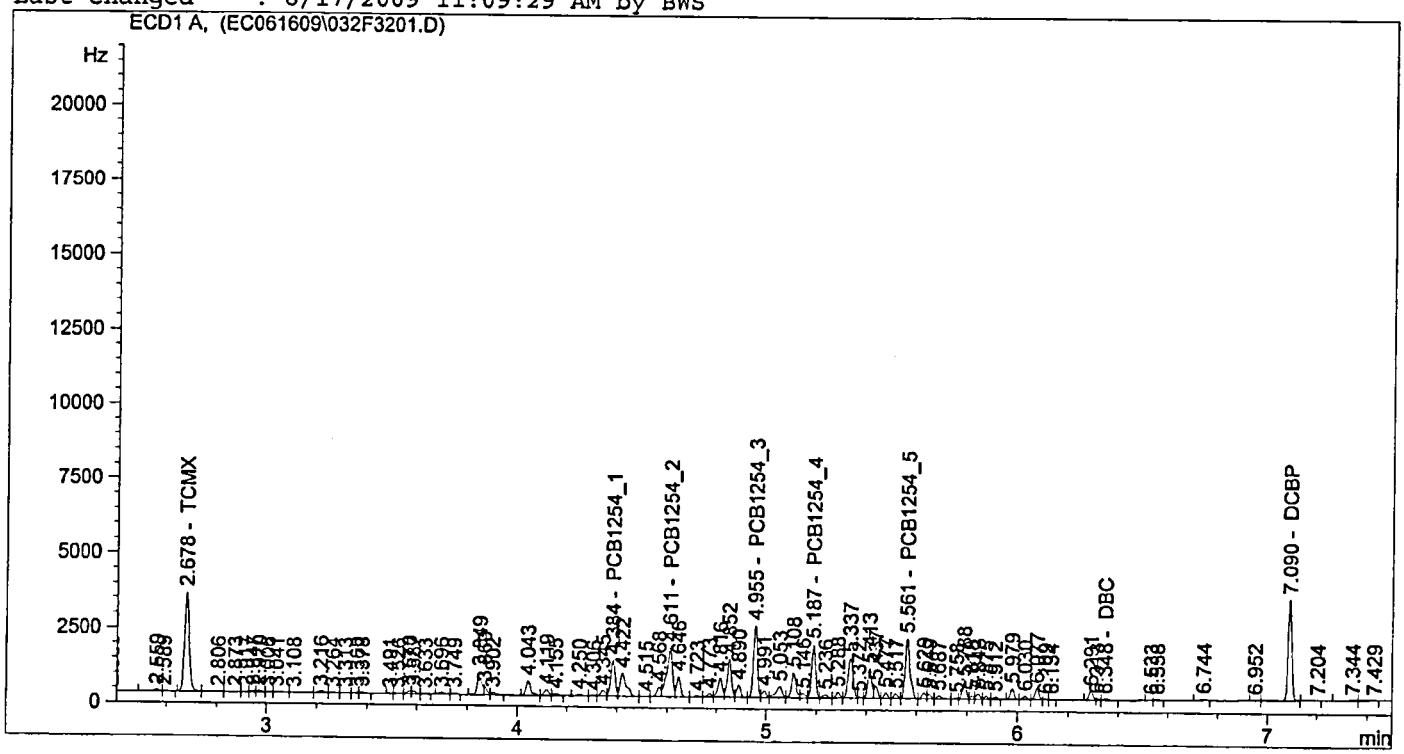
Warning : Negative results set to zero (cal. curve intercept), (DBC)

==========

Injection Date : 6/16/2009 8:54:25 PM
Sample Name : A1254 x100 ICAL
Acq. Operator : BWS

Seq. Line : 32
Location : Vial 32
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	4296.46533	2.44349e-3	10.49836		TCMX
4.384	VV	1435.14307	6.44463e-2	92.48963		PCB1254_1
4.611	VV	2587.54272	3.64473e-2	94.30903		PCB1254_2
4.955	VV	2598.47339	3.66658e-2	95.27513		PCB1254_3
5.187	VV	1981.65430	4.88773e-2	96.85782		PCB1254_4
5.561	VV	2636.43701	3.76345e-2	99.22098		PCB1254_5
6.348	VB	43.90696	0.00000	0.00000		DBC
7.090	VB	3566.89917	2.95758e-3	10.54939		DCBP

Totals : 499.20033

BWS
6.17.09

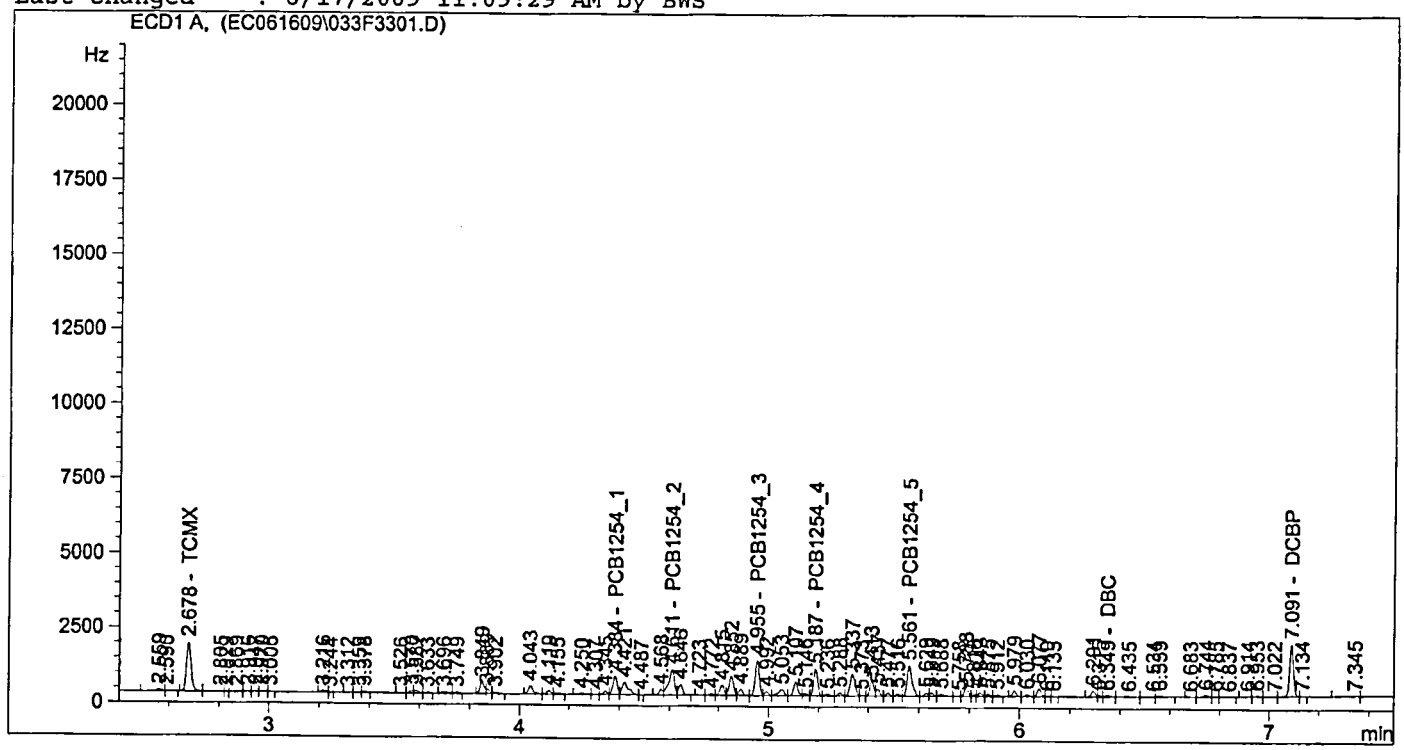
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

==========

Injection Date : 6/16/2009 9:07:20 PM Seq. Line : 33
Sample Name : A1254 x40 ICAL Location : Vial 33
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

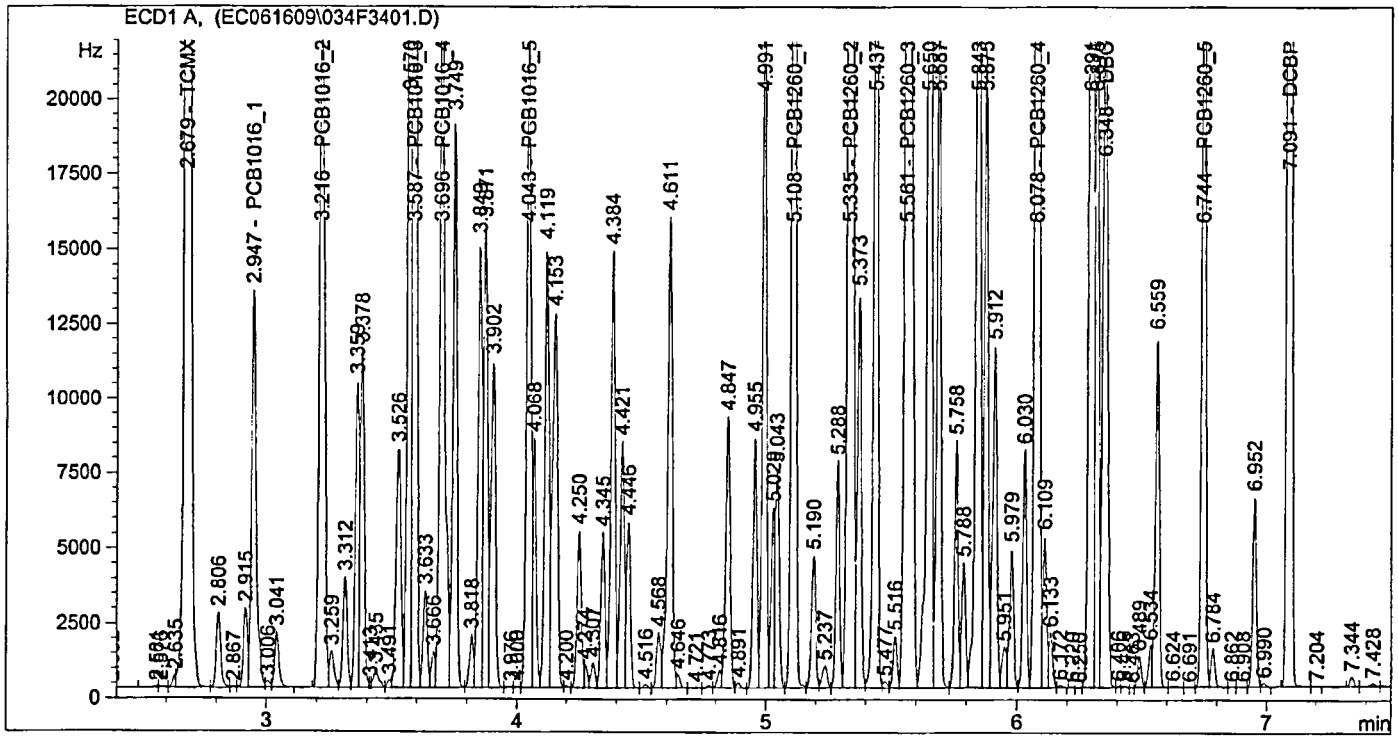
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	2096.34692	3.31234e-3	6.94381		TCMX
4.384	VV	747.95959	7.23555e-2	54.11898		PCB1254_1
4.611	VV	1354.87512	4.18956e-2	56.76331		PCB1254_2
4.955	VV	1309.11450	4.48038e-2	58.65327		PCB1254_3
5.187	VV	1002.31152	6.05198e-2	60.65966		PCB1254_4
5.561	VV	1361.23328	4.65435e-2	63.35655		PCB1254_5
6.349	VV	60.24842	0.00000	0.00000		DBC
7.091	VV	1876.47437	3.79894e-3	7.12861		DCBP
Totals :				307.62420		

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 9:20:14 PM          Seq. Line :  34
Sample Name     : PCB x2000 ICAL                 Location : Vial 34
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

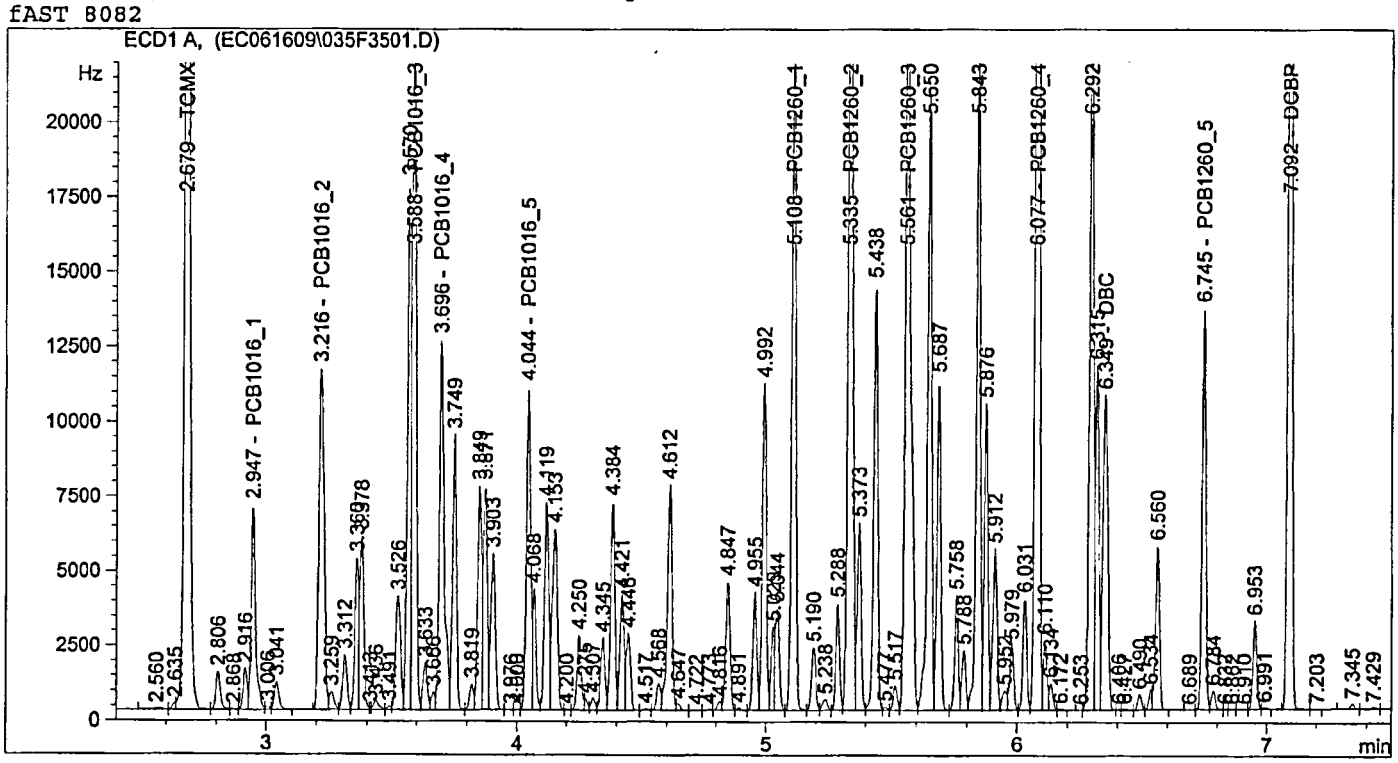
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.21250e5	1.65931e-3	201.19254		TCMX
2.947	VV	1.72408e4	1.15845e-1	1997.26688		PCB1016_1
3.216	PV	3.26845e4	6.08924e-2	1990.24185		PCB1016_2
3.587	VV	5.03406e4	3.98945e-2	2008.31722		PCB1016_3
3.696	VV	3.27770e4	6.11295e-2	2003.63813		PCB1016_4
4.043	VV	2.59332e4	7.73971e-2	2007.15412		PCB1016_5
5.108	VV	5.10187e4	3.94658e-2	2013.49142		PCB1260_1
5.335	VV	8.09492e4	2.48880e-2	2014.66536		PCB1260_2
5.561	VV	8.69555e4	2.31943e-2	2016.87090		PCB1260_3
6.078	VV	1.16463e5	1.73421e-2	2019.71412		PCB1260_4
6.348	VV	3.12323e4	6.46853e-3	202.02742		DBC
6.744	VV	2.96732e4	6.81750e-2	2022.96984		PCB1260_5
7.091	VV	1.00152e5	2.02414e-3	202.72162		DCBP

Totals : 2.07003e4

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:33:02 PM          Seq. Line :  35
Sample Name     : PCB x1000 ICAL                 Location : Vial 35
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

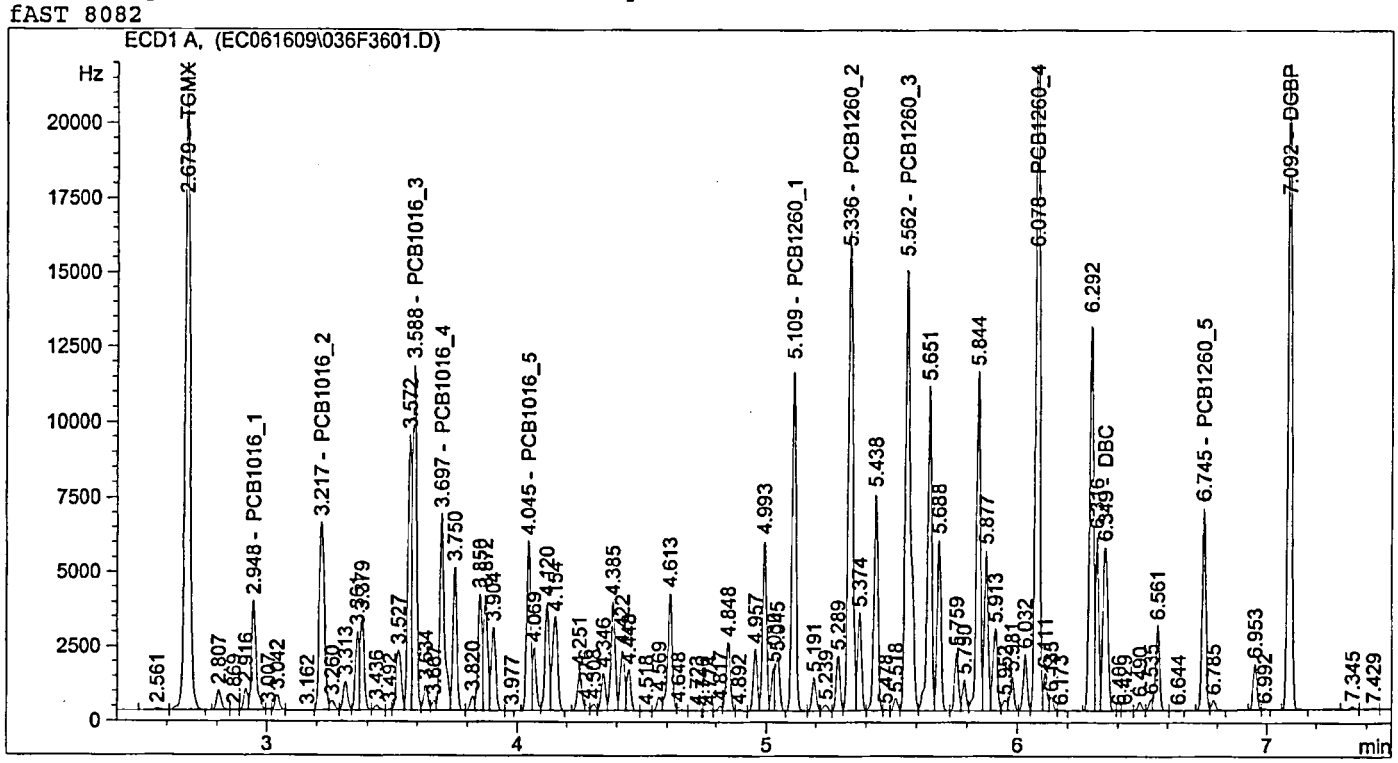
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	5.79653e4	1.67490e-3	97.08626		TCMX
2.947	VV	8630.02051	1.14947e-1	991.99581		PCB1016_1
3.216	PV	1.66326e4	6.03041e-2	1003.01564		PCB1016_2
3.588	VV	2.42770e4	4.00624e-2	972.59592		PCB1016_3
3.696	VV	1.60786e4	6.11591e-2	983.35443		PCB1016_4
4.044	VV	1.26056e4	7.75844e-2	977.99992		PCB1016_5
5.108	VV	2.43350e4	3.97752e-2	967.92764		PCB1260_1
5.335	VV	3.84732e4	2.51016e-2	965.73908		PCB1260_2
5.561	VV	4.10533e4	2.34433e-2	962.42580		PCB1260_3
6.077	VV	5.45419e4	1.75871e-2	959.23379		PCB1260_4
6.349	VV	1.46099e4	6.54455e-3	95.61555		DBC
6.745	VV	1.37551e4	6.91876e-2	951.68206		PCB1260_5
7.092	VB	4.59375e4	2.05757e-3	94.51957		DCBP

Totals : 1.00232e4

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:46:01 PM          Seq. Line :  36
Sample Name     : PCB x500 ICAL                  Location : Vial 36
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

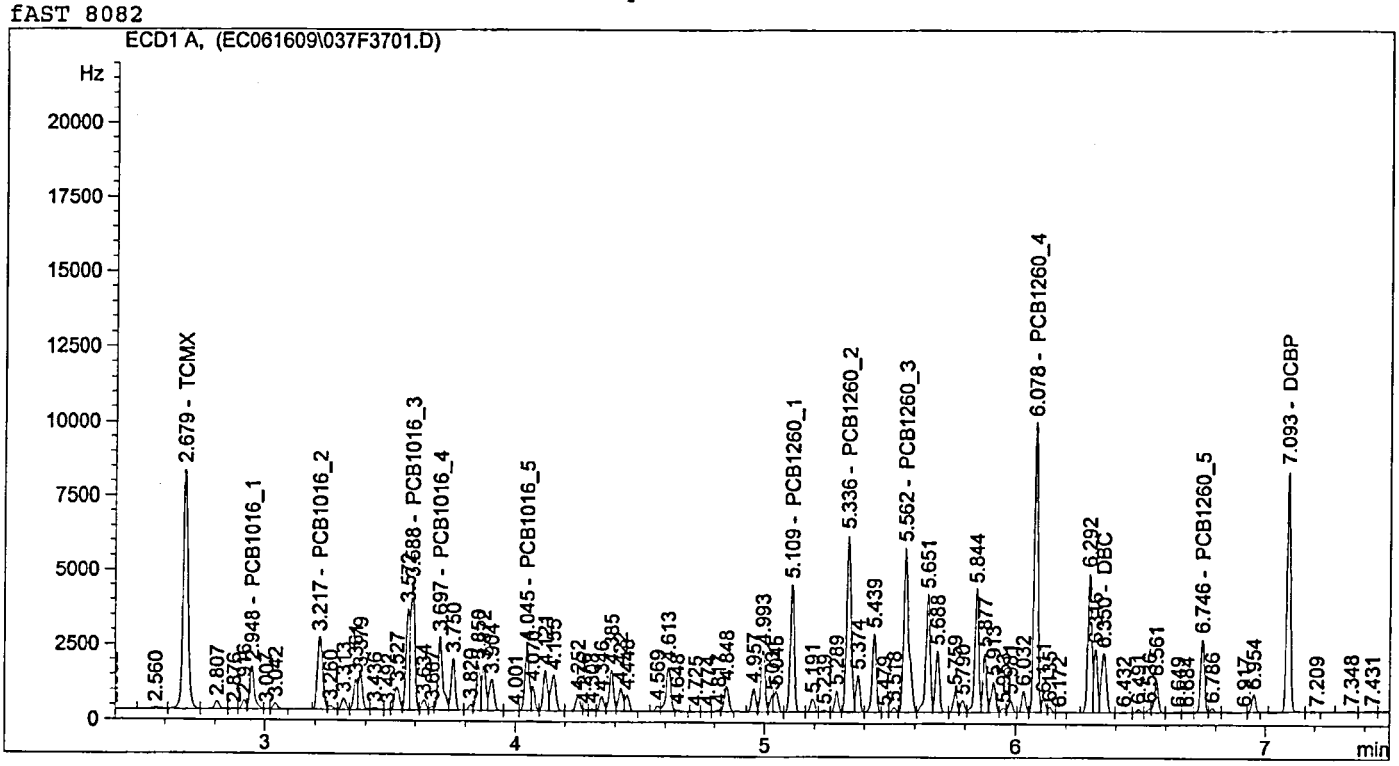
Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	3.01046e4	1.70255e-3	51.25442		TCMX
2.948	VV	4683.42236	1.13431e-1	531.24715		PCB1016_1
3.217	PV	9094.14063	5.93109e-2	539.38206		PCB1016_2
3.588	VV	1.30108e4	4.03431e-2	524.89529		PCB1016_3
3.697	VV	8536.23145	6.12105e-2	522.50719		PCB1016_4
4.045	VV	6655.70361	7.79103e-2	518.54789		PCB1016_5
5.109	VV	1.26906e4	4.03179e-2	511.66021		PCB1260_1
5.336	VV	2.00608e4	2.54753e-2	511.05530		PCB1260_2
5.562	VV	2.12894e4	2.38813e-2	508.41859		PCB1260_3
6.078	VV	2.78606e4	1.80285e-2	502.28332		PCB1260_4
6.349	VV	7585.99463	6.67681e-3	50.65023		DBC
6.745	VV	7103.52344	7.09552e-2	504.03201		PCB1260_5
7.092	VB	2.35723e4	2.11616e-3	49.88272		DCBP

Totals : 5325.81638

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  37
Sample Name     : PCB x200 ICAL                  Location : Vial 37
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

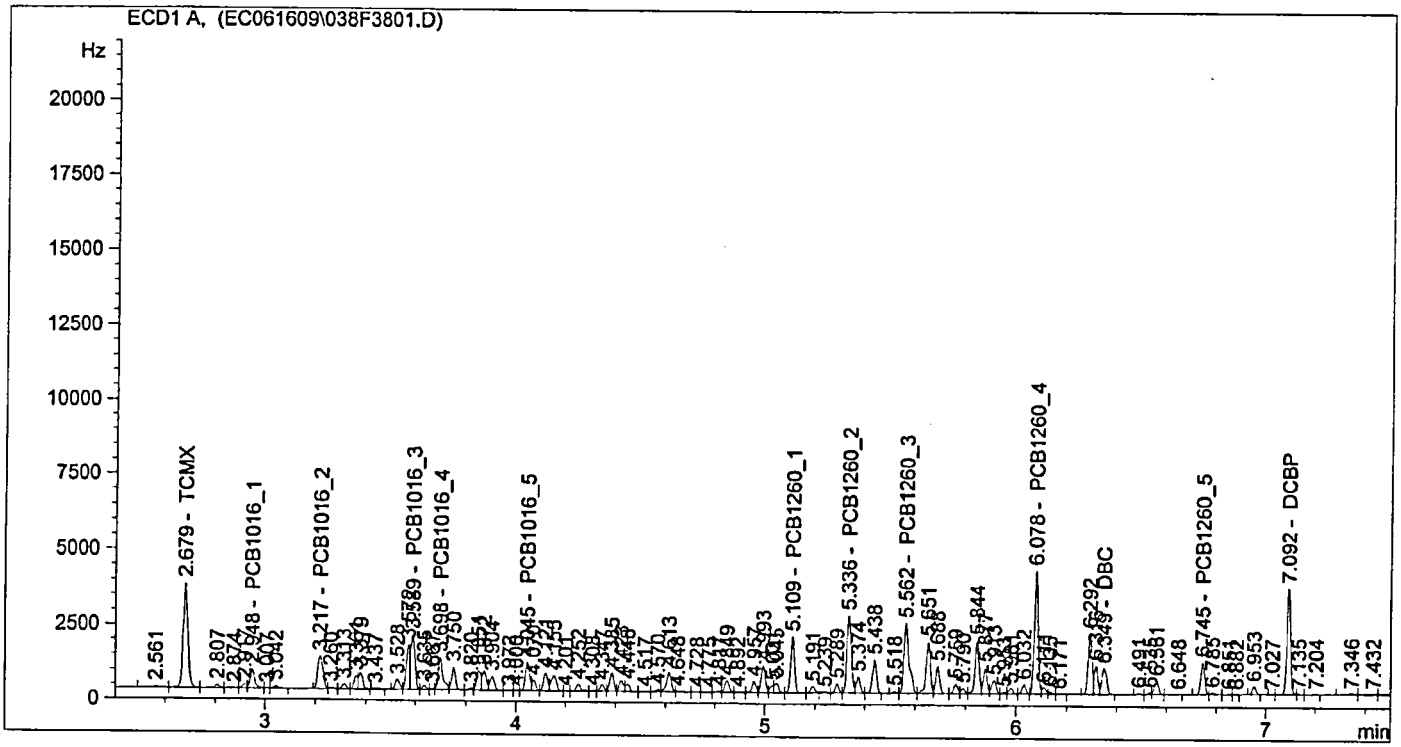
Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.08099e4	1.80519e-3	19.51395		TCMX
2.948	VV	1826.83508	1.08249e-1	197.75265		PCB1016_1
3.217	BV	3515.66235	5.58341e-2	196.29384		PCB1016_2
3.588	VV	4714.23291	4.14076e-2	195.20522		PCB1016_3
3.697	VV	3178.36353	6.13953e-2	195.13662		PCB1016_4
4.045	VV	2462.75513	7.90857e-2	194.76877		PCB1016_5
5.109	VV	4633.16504	4.22905e-2	195.93902		PCB1260_1
5.336	VV	7301.72949	2.68395e-2	195.97470		PCB1260_2
5.562	VV	7683.14453	2.54925e-2	195.86235		PCB1260_3
6.078	VV	1.00399e4	1.96300e-2	197.08246		PCB1260_4
6.350	VV	2740.56128	7.16318e-3	19.63114		DBC
6.746	VV	2536.74219	7.75356e-2	196.68793		PCB1260_5
7.093	VB	8475.61133	2.33050e-3	19.75239		DCBP

Totals : 2019.60105

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 10:11:44 PM          Seq. Line :  38
Sample Name     : PCB x100 ICAL                   Location : Vial 38
Acq. Operator   : BWS                                  Inj :   1
                                                 Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================
```

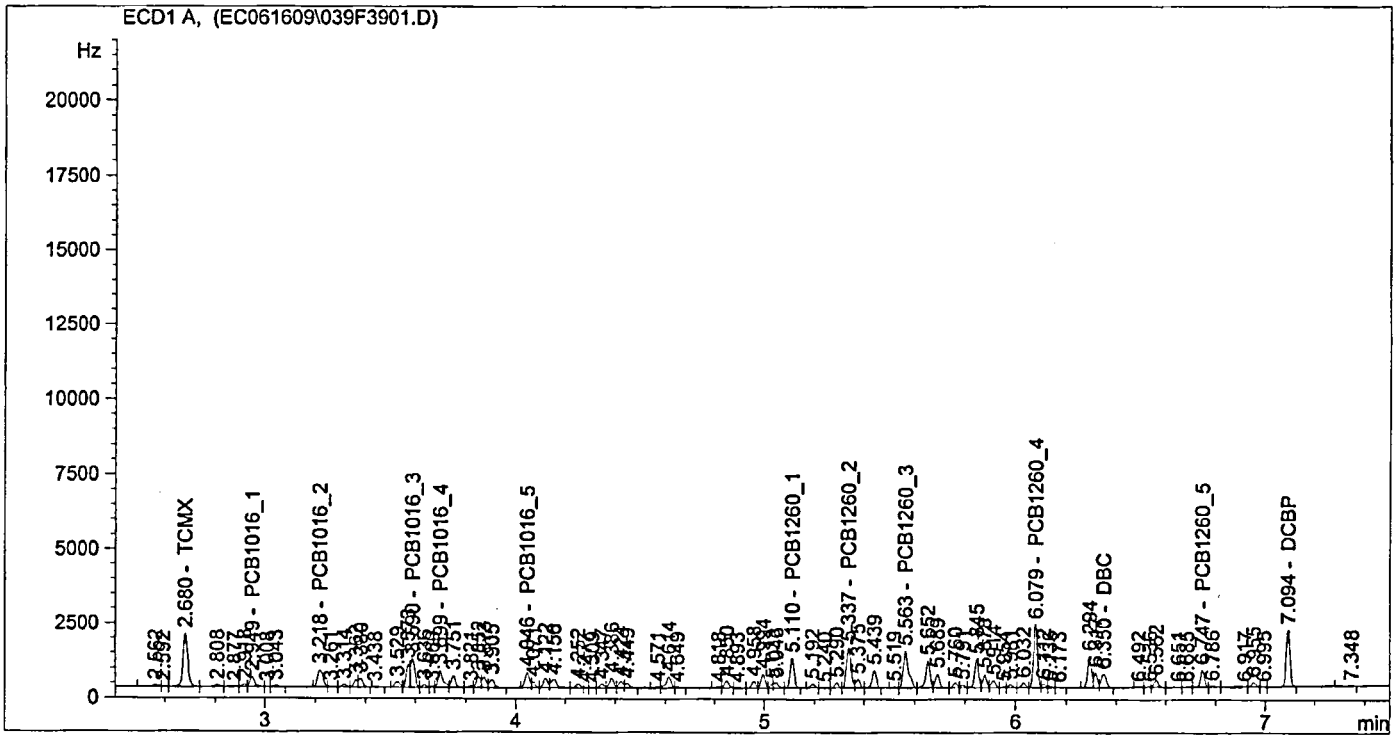
Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	4626.69043	2.01923e-3	9.34235		TCMX
2.948	VV	850.59192	9.84966e-2	83.78039		PCB1016_1
3.217	BV	1599.89221	4.90470e-2	78.46993		PCB1016_2
3.589	VV	2033.84790	4.36077e-2	88.69151		PCB1016_3
3.698	VV	1423.24719	6.17584e-2	87.89743		PCB1016_4
4.045	VV	1106.63562	8.13722e-2	90.04934		PCB1016_5
5.109	VV	2028.33423	4.62805e-2	93.87227		PCB1260_1
5.336	VV	3216.15210	2.95643e-2	95.08322		PCB1260_2
5.562	VV	3360.40771	2.87353e-2	96.56241		PCB1260_3
6.078	VV	4285.95654	2.29913e-2	98.53964		PCB1260_4
6.349	VB	1223.74329	8.10701e-3	9.92090		DBC
6.745	VV	1109.86353	9.06950e-2	100.65909		PCB1260_5
7.092	VV	3759.68237	2.75030e-3	10.34024		DCBP
Totals :				943.20871		

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 10:24:44 PM          Seq. Line :  39
Sample Name     : PCB x40 ICAL                    Location : Vial 39
Acq. Operator   : BWS                                  Inj :   1
                                                 Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	2358.12231	2.37921e-3	5.61048		TCMX
2.949	VV	458.08719	8.28600e-2	37.95712		PCB1016_1
3.218	BV	854.01141	3.81689e-2	32.59668		PCB1016_2
3.590	VV	1067.60730	4.71099e-2	50.29484		PCB1016_3
3.699	VV	761.53467	6.23297e-2	47.46620		PCB1016_4
4.046	PV	607.16089	8.47880e-2	51.47995		PCB1016_5
5.110	VV	1090.11560	5.23884e-2	57.10944		PCB1260_1
5.337	VV	1693.51343	3.39427e-2	57.48234		PCB1260_2
5.563	VV	1762.67249	3.39598e-2	59.85996		PCB1260_3
6.079	VV	2219.36157	2.84526e-2	63.14669		PCB1260_4
6.350	VV	635.44293	9.68579e-3	6.15477		DBC
6.747	VV	564.69189	1.13281e-1	63.96907		PCB1260_5
7.094	VV	1977.56738	3.43020e-3	6.78346		DCBP

Totals : 539.91099

BWS
6/17/09

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	68.25872803	3.31863
		2	54.14932251	3.4258101
		3	171.6998596	3.47351
		4	0	0
		5	0	0
	100	1	134.818222	3.3185799
		2	93.75131226	3.4258699
		3	334.0836182	3.4739499
		4	0	0
		5	0	0
	200	1	275.8415222	3.31863
		2	187.9540558	3.42608
		3	654.3911743	3.4741499
		4	0	0
		5	0	0
	500	1	666.2232666	3.31865
		2	442.7644043	3.42591
		3	1580.27002	3.4739399
		4	0	0
		5	0	0
	1000	1	1352.282471	3.3185201
		2	878.3676147	3.42574
		3	3245.028809	3.4734499
		4	0	0
		5	0	0
	2000	1	2881.797607	3.31828
		2	1829.250732	3.42557
		3	6903.972168	3.4735999
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	3.2885	3.3485
2	3.3958	3.4558
3	3.4438	3.5038
4		
5		

Peak	Correlation Coefficient (r)
1	0.999397081
2	0.999671596
3	0.999354877
4	
5	

Peak	Slope (y)
1	0.69661673
2	1.103230345
3	0.290868062
4	
5	

Peak	Intercept (b)
1	15.45734798
2	-1.020489447
3	15.14532091
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	495.0893555	2.95327
		2	395.8239136	3.2230301
		3	525.0204468	3.5950401
		4	292.696106	4.0517302
		5	251.546936	4.4556398
	100	1	822.0823364	2.9533701
		2	627.5452271	3.22329
		3	845.7796021	3.5953801
		4	440.4623718	4.0520701
		5	406.5694275	4.45614
	200	1	1918.338501	2.9526601
		2	1475.925781	3.2225499
		3	1920.7677	3.59483
		4	955.569458	4.05125
		5	916.8273926	4.45506
	500	1	5459.367188	2.9532599
		2	4011.202393	3.2229099
		3	5890.492676	3.5949399
		4	2581.757813	4.0513
		5	2731.882568	4.4552202
	1000	1	10642.22656	2.95364
		2	8107.244629	3.22352
		3	11423.75781	3.5956399
		4	5312.279297	4.05231
		5	5470.343262	4.4562201
	2000	1	21929.52148	2.95332
		2	16745.51172	3.2232001
		3	24888.66992	3.59514
		4	11396.51563	4.0517502
		5	11935.27344	4.4556999

Peak	RT Window From	RT Window To
1	2.9233	2.9833
2	3.1931	3.2531
3	3.5652	3.6252
4	4.0217	4.0817
5	4.4257	4.4857

Peak	Correlation Coefficient (r)
1	0.99980252
2	0.999796603
3	0.999152508
4	0.999245784
5	0.999117781

Peak	Slope (y)
1	0.090809351
2	0.118921741
3	0.079932803
4	0.175114454
5	0.166558646

Peak	Intercept (b)
1	15.43408851
2	18.37121099
3	33.91633781
4	27.70412041
5	37.267483

PCB Initial Calibration Summary

Sample ID: A1242
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	403.0035706	2.94821
		2	725.3896484	3.2174399
		3	897.3375854	3.5889201
		4	509.7808533	4.0448699
		5	513.4442139	4.4223499
	100	1	793.5803223	2.9484501
		2	1467.12085	3.2176499
		3	1857.668701	3.5894201
		4	1025.639404	4.0453701
		5	1045.561646	4.4226699
	200	1	1538.385742	2.9498799
		2	2850.614014	3.21928
		3	3870.946045	3.5906601
		4	2049.926758	4.0471101
		5	2122.512451	4.4245901
	500	1	3628.715576	2.9507599
		2	6743.108398	3.21929
		3	10631.87207	3.5915501
		4	4836.100586	4.0467901
		5	5635.855957	4.4250598
	1000	1	8266.917969	2.9516699
		2	15512.74023	3.2212901
		3	22709.72656	3.59319
		4	11790.20996	4.0496001
		5	12501.0459	4.4270201
	2000	1	15892.9834	2.9526701
		2	29535.74609	3.2226501
		3	44998.21484	3.5947499
		4	23374.73242	4.0508699
		5	25335.19531	4.4284501

Peak	RT Window From	RT Window To
1	2.9203	2.9803
2	3.1896	3.2496
3	3.5614	3.6214
4	4.0174	4.0774
5	4.3950	4.4550

Peak	Correlation Coefficient (r)
1	0.999382277
2	0.99924372
3	0.999835192
4	0.998984327
5	0.99965219

Peak	Slope (y)
1	0.124937308
2	0.067088902
3	0.043983124
4	0.084482632
5	0.07816203

Peak	Intercept (b)
1	4.410879429
2	4.503517866
3	17.15669073
4	26.28450961
5	25.72961152

PCB Initial Calibration Summary

Sample ID: A1248 Date: 16-Jun-09
Inst: ECD2 Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	689.8724365	3.5885501
		2	361.0348816	3.8517399
		3	989.3600464	4.4222999
		4	791.9811401	4.6195402
		5	474.0143738	4.9567099
	100	1	1206.299561	3.5888801
		2	1041.661865	3.85131
		3	1840.272339	4.42238
		4	1445.289917	4.6200199
		5	865.4060059	4.9569502
	200	1	2780.866699	3.5878699
		2	2357.027588	3.85039
		3	4327.105469	4.4215598
		4	3333.630859	4.6187901
		5	1994.117676	4.9559798
	500	1	7947.630371	3.58832
		2	6716.694336	3.8503301
		3	12407.98633	4.42167
		4	9514.631836	4.61975
		5	5683.827637	4.9563398
	1000	1	17201.23828	3.5877299
		2	15082.45215	3.8497901
		3	26991.54883	4.4212699
		4	20718.24609	4.6191101
		5	12462.66113	4.9556799
	2000	1	36665.78516	3.5884299
		2	31148.52148	3.8506501
		3	58161.60547	4.4218602
		4	44654.57031	4.6196499
		5	27130.5918	4.9560599

Peak	RT Window From	RT Window To
1	3.5583	3.6183
2	3.8207	3.8807
3	4.3918	4.4518
4	4.5895	4.6495
5	4.9263	4.9863

Peak	Correlation Coefficient (r)
1	0.999329938
2	0.999647016
3	0.999192989
4	0.999159614
5	0.998955352

Peak	Slope (y)
1	0.053938235
2	0.063106134
3	0.033968994
4	0.044269949
5	0.072846844

Peak	Intercept (b)
1	42.25924654
2	43.56928499
3	47.13983997
4	46.35215364
5	49.81163788

PCB Initial Calibration Summary

Sample ID: A1254
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	747.9595947	4.3836298
		2	1354.875122	4.61128
		3	1309.114502	4.9548202
		4	1002.311523	5.1868401
		5	1361.233276	5.5612702
	100	1	1435.143066	4.38377
		2	2587.542725	4.6112299
		3	2598.473389	4.9552302
		4	1981.654297	5.18681
		5	2636.437012	5.56142
	200	1	3080.650391	4.38446
		2	5549.410156	4.61164
		3	5754.399414	4.9558001
		4	4395.102539	5.1876402
		5	5617.833984	5.5620098
	500	1	8812.304688	4.3850398
		2	15951.19336	4.6125302
		3	16803.64844	4.95645
		4	12786.76074	5.1880298
		5	16708.86914	5.56218
	1000	1	17927.06445	4.3857198
		2	32643.64453	4.6135402
		3	34668.50781	4.9574499
		4	26454.19531	5.1893702
		5	34650.625	5.5636301
	2000	1	35488.17188	4.38515
		2	65032.93359	4.6129198
		3	69611.28906	4.95679
		4	53509.94531	5.18852
		5	70319.60156	5.56285

Peak	RT Window From	RT Window To
1	4.3546	4.4146
2	4.5822	4.6422
3	4.9261	4.9861
4	5.1579	5.2179
5	5.5322	5.5922

Peak	Correlation Coefficient (r)
1	0.999871063
2	0.999883624
3	0.999887813
4	0.999886128
5	0.999848139

Peak	Slope (y)
1	0.055854704
2	0.030471499
3	0.028411196
4	0.036973921
5	0.028133881

Peak	Intercept (b)
1	11.71563016
2	14.72687888
3	20.89432368
4	22.96707296
5	24.36222119

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	458.0871887	2.9489901
		2	854.0114136	3.2182
		3	1067.6073	3.58971
		4	761.534668	3.69853
		5	607.1608887	4.0458798
	100	1	850.5919189	2.9480901
		2	1599.892212	3.2174301
		3	2033.8479	3.58881
		4	1423.247192	3.6976199
		5	1106.63562	4.0448298
	200	1	1826.835083	2.94767
		2	3515.662354	3.2168901
		3	4714.23291	3.5883801
		4	3178.363525	3.69735
		5	2462.755127	4.0446401
	500	1	4683.422363	2.9478099
		2	9094.140625	3.2171299
		3	13010.7832	3.5883801
		4	8536.231445	3.6970899
		5	6655.703613	4.0445199
	1000	1	8630.020508	2.9468901
		2	16632.63867	3.2163401
		3	24277.0332	3.58762
		4	16078.62793	3.6963401
		5	12605.62012	4.04353
	2000	1	17240.79102	2.9468701
		2	32684.54492	3.21632
		3	50340.64453	3.5873201
		4	32776.96875	3.6963201
		5	25933.19531	4.04321

Peak	RT Window From	RT Window To
1	2.9177	2.9777
2	3.1871	3.2471
3	3.5584	3.6184
4	3.6672	3.7272
5	4.0144	4.0744

Peak	Correlation Coefficient (r)
1	0.999767974
2	0.999615666
3	0.999701823
4	0.99982024
5	0.999800099

Peak	Slope (y)
1	0.116691605
2	0.061454851
3	0.039714517
4	0.061078938
5	0.077189043

Peak	Intercept (b)
1	-15.21846314
2	-19.41966486
3	8.246950002
4	1.165477844
5	4.84904761

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	1090.115601	5.1100502
		2	1693.513428	5.3373599
		3	1762.672485	5.5627599
		4	2219.361572	6.07901
		5	564.6918945	6.7466302
	100	1	2028.334229	5.1089802
		2	3216.1521	5.33599
		3	3360.407715	5.5618
		4	4285.956543	6.0783401
		5	1109.863525	6.74509
	200	1	4633.165039	5.1089501
		2	7301.729492	5.33606
		3	7683.144531	5.5619102
		4	10039.87402	6.0783701
		5	2536.742188	6.7459998
	500	1	12690.63965	5.1089702
		2	20060.8457	5.3362699
		3	21289.37891	5.56216
		4	27860.55859	6.0781002
		5	7103.523438	6.74508
	1000	1	24334.97461	5.1079702
		2	38473.16016	5.3350201
		3	41053.27344	5.56106
		4	54541.90625	6.0773802
		5	13755.09082	6.7446499
	2000	1	51018.65625	5.1076198
		2	80949.1875	5.3348999
		3	86955.5	5.56072
		4	116463.375	6.0775199
		5	29673.20117	6.7441101

Peak	RT Window From	RT Window To
1	5.0788	5.1388
2	5.3059	5.3659
3	5.5317	5.5917
4	6.0481	6.1081
5	6.7153	6.7753

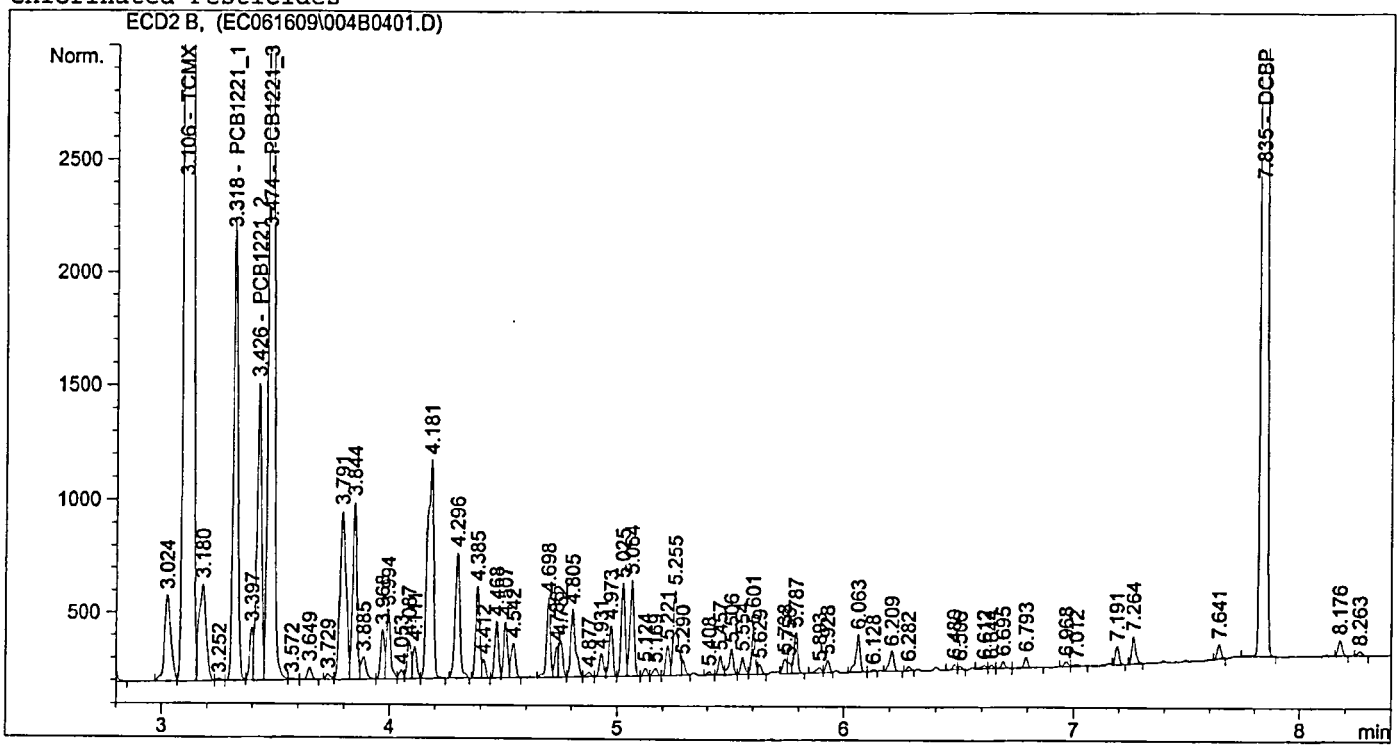
Peak	Correlation Coefficient (r)
1	0.99970242
2	0.999673663
3	0.999615082
4	0.999542832
5	0.999391482

Peak	Slope (y)
1	0.039160323
2	0.024678433
3	0.022953865
4	0.017110559
5	0.067218053

Peak	Intercept (b)
1	14.76702614
2	16.06921781
3	19.84633707
4	25.69948897
5	26.71242249

Data File C:\HPCHEM\1\DATA\EC061609\004B0401.D

```
==================================================================
Injection Date  : 6/16/2009 3:19:26 PM          Seq. Line :   4
Sample Name     : A1221 x2000 ICAL               Location : Vial 4
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 9:25:07 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.01823e4	6.73864e-3	203.38781		TCMX
3.318	VV	2881.79761	7.02560e-1	2024.63492		PCB1221_1
3.426	VV	1829.25073	1.10317	2017.96934		PCB1221_2
3.474	VV	6903.97217	2.93321e-1	2025.07684		PCB1221_3
6.890		-	-	-		DBC
7.835	BP	3.04287e4	6.70653e-3	204.07139		DCBP

BWS
6.17.09

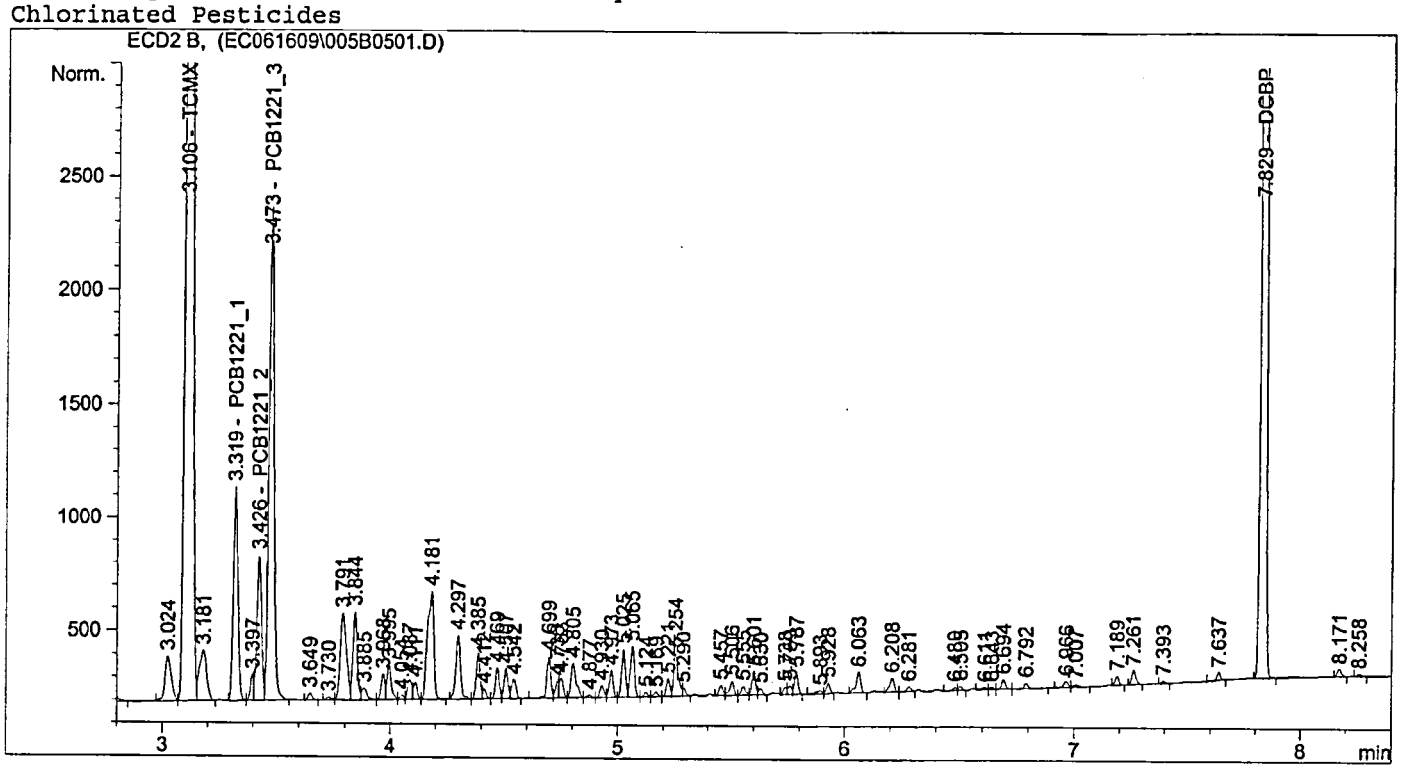
Totals : 6475.14029

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

ECD2 6/17/2009 9:25:30 AM BWS

```
==================================================================
Injection Date  : 6/16/2009 3:32:12 PM          Seq. Line :   5
Sample Name     : A1221 x1000 ICAL               Location : Vial 5
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 8:56:45 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

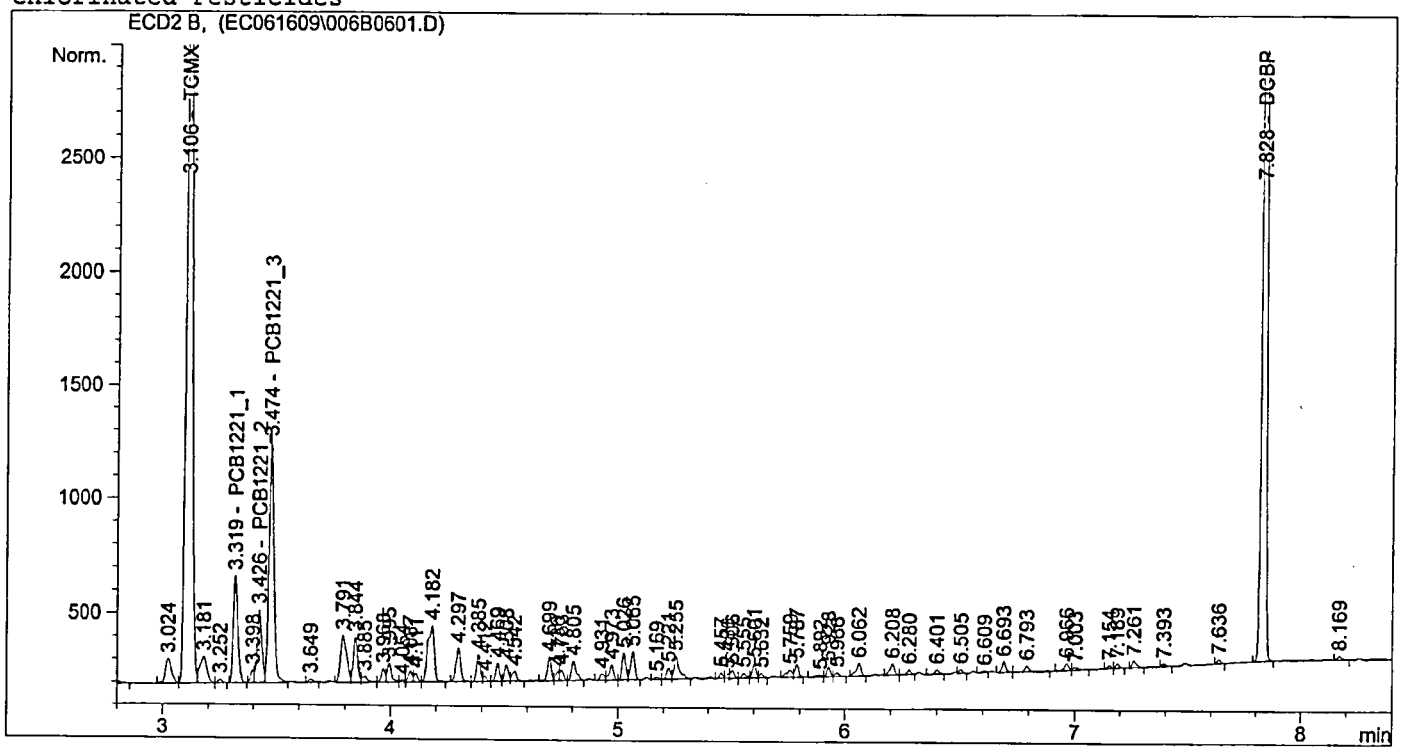
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.37204e4	6.90532e-3	94.74401		TCMX
3.319	BV	1352.28247	7.08331e-1	957.86312		PCB1221_1
3.426	VV	878.36761	1.10231	968.23687		PCB1221_2
3.473	VB	3245.02881	2.95662e-1	959.43257		PCB1221_3
6.890		-	-	-		DBC
7.829	BB	1.36037e4	6.86986e-3	93.45533		DCBP
Totals :				3073.73190		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD2 B,
```

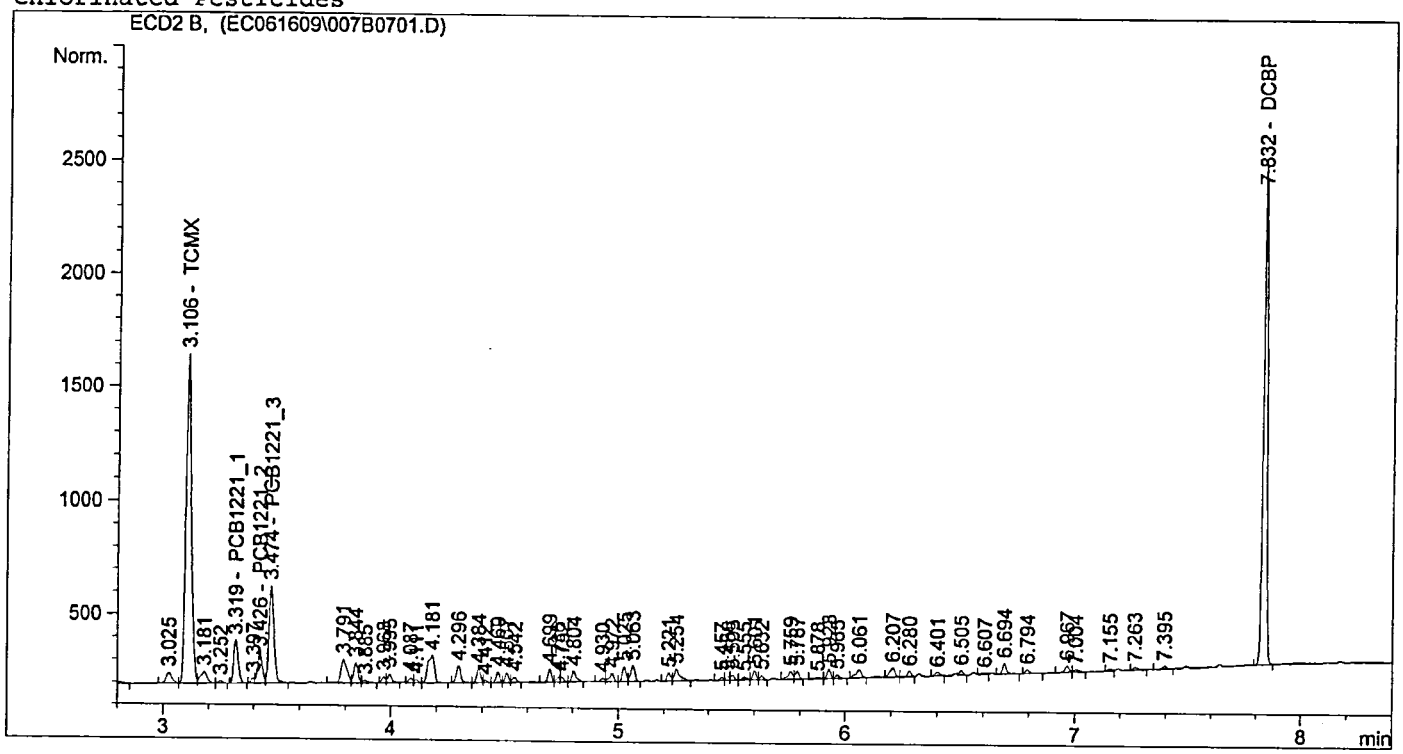
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6381.74414	7.25673e-3	46.31061		TCMX
3.319	BB	666.22327	7.19528e-1	479.36598		PCB1221_1
3.426	VV	442.76440	1.10070	487.35039		PCB1221_2
3.474	VV	1580.27002	3.00317e-1	474.58204		PCB1221_3
6.890		-	-	-		DBC
7.828	BB	6373.09912	7.20499e-3	45.91812		DCBP
Totals :				1533.52714		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   7
Sample Name     : A1221 x200 ICAL                Location : Vial 7
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 8:56:45 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

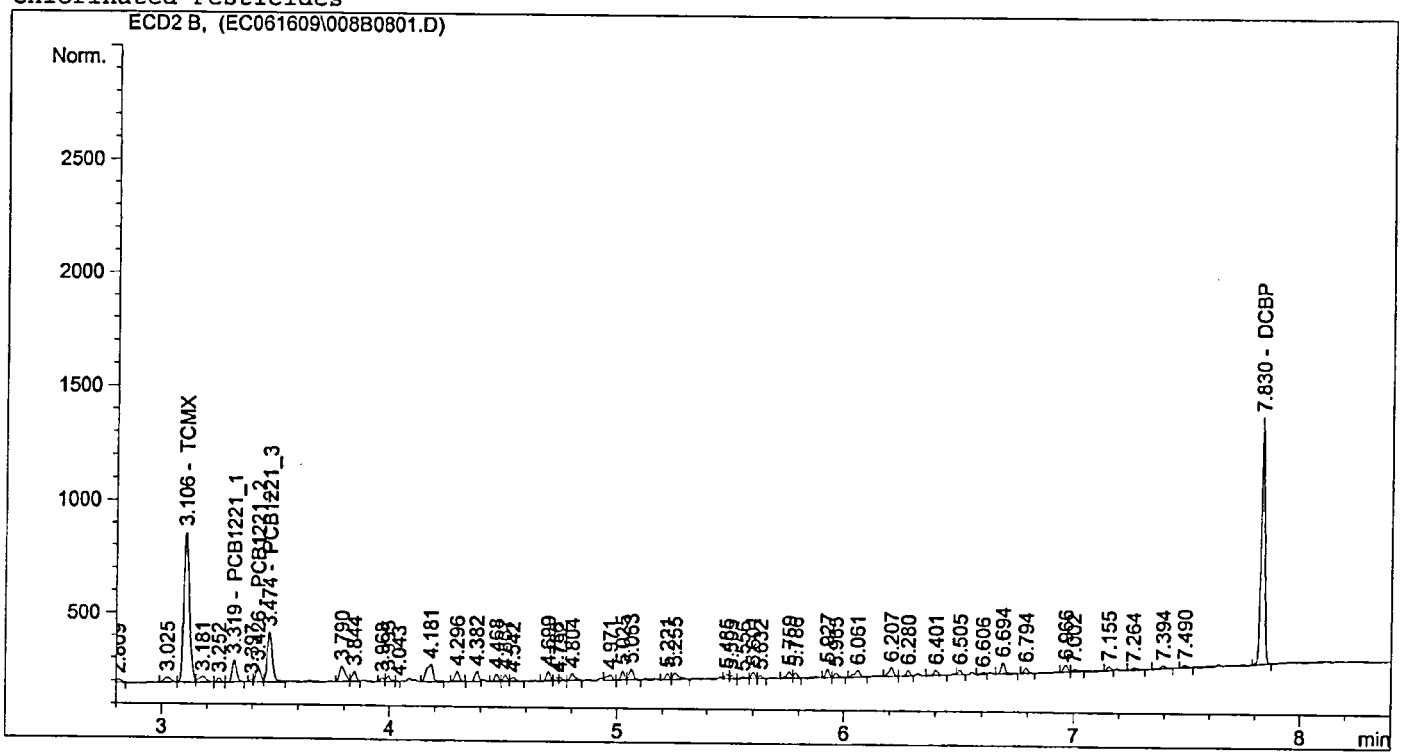
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2397.96655	8.34823e-3	20.01878		TCMX
3.319	BB	275.84152	7.50762e-1	207.09131		PCB1221_1
3.426	VV	187.95406	1.09628	206.05115		PCB1221_2
3.474	VB	654.39117	3.13155e-1	204.92564		PCB1221_3
6.890		-	-	-		DBC
7.832	BB	2483.32471	8.19260e-3	20.34488		DCBP
Totals :				658.43176		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 4:10:48 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

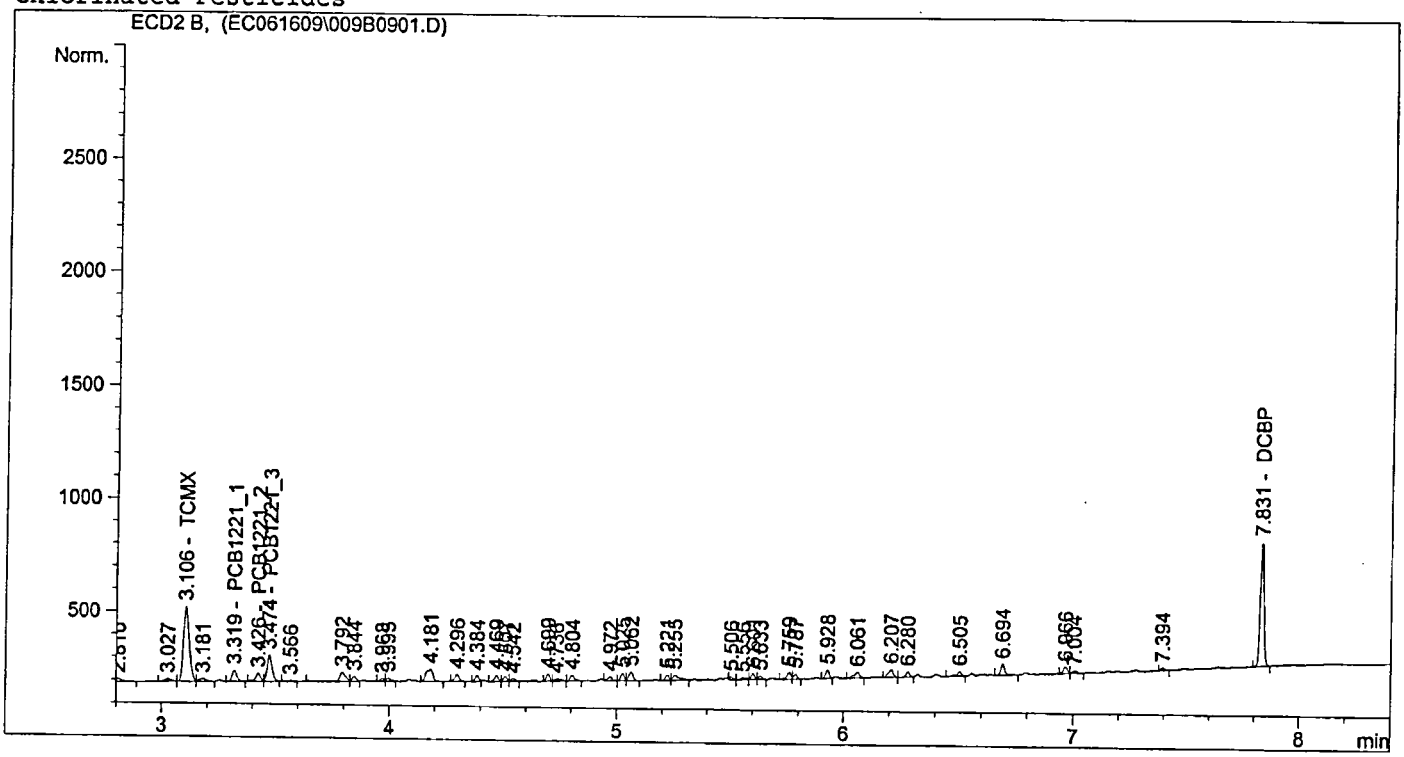
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1131.83484	1.03042e-2	11.66266		TCMX
3.319	VB	134.81822	8.06520e-1	108.73355		PCB1221_1
3.426	VV	93.75131	1.08858	102.05553		PCB1221_2
3.474	VB	334.08362	3.34162e-1	111.63808		PCB1221_3
6.890		-	-	-		DBC
7.830	BB	1227.84082	9.84715e-3	12.09073		DCBP
Totals :				346.18055		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:23:47 PM          Seq. Line :   9
Sample Name     : A1221 x40 ICAL                 Location : Vial 9
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 8:56:45 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	558.09558	1.41125e-2	7.87614		TCMX
3.319	VB	68.25873	9.12867e-1	62.31113		PCB1221_1
3.426	BV	54.14932	1.07733	58.33671		PCB1221_2
3.474	VB	171.69986	3.74752e-1	64.34483		PCB1221_3
6.890		-	-	-		DBC
7.831	BB	623.81079	1.30160e-2	8.11955		DCBP

BWS
6.17.09

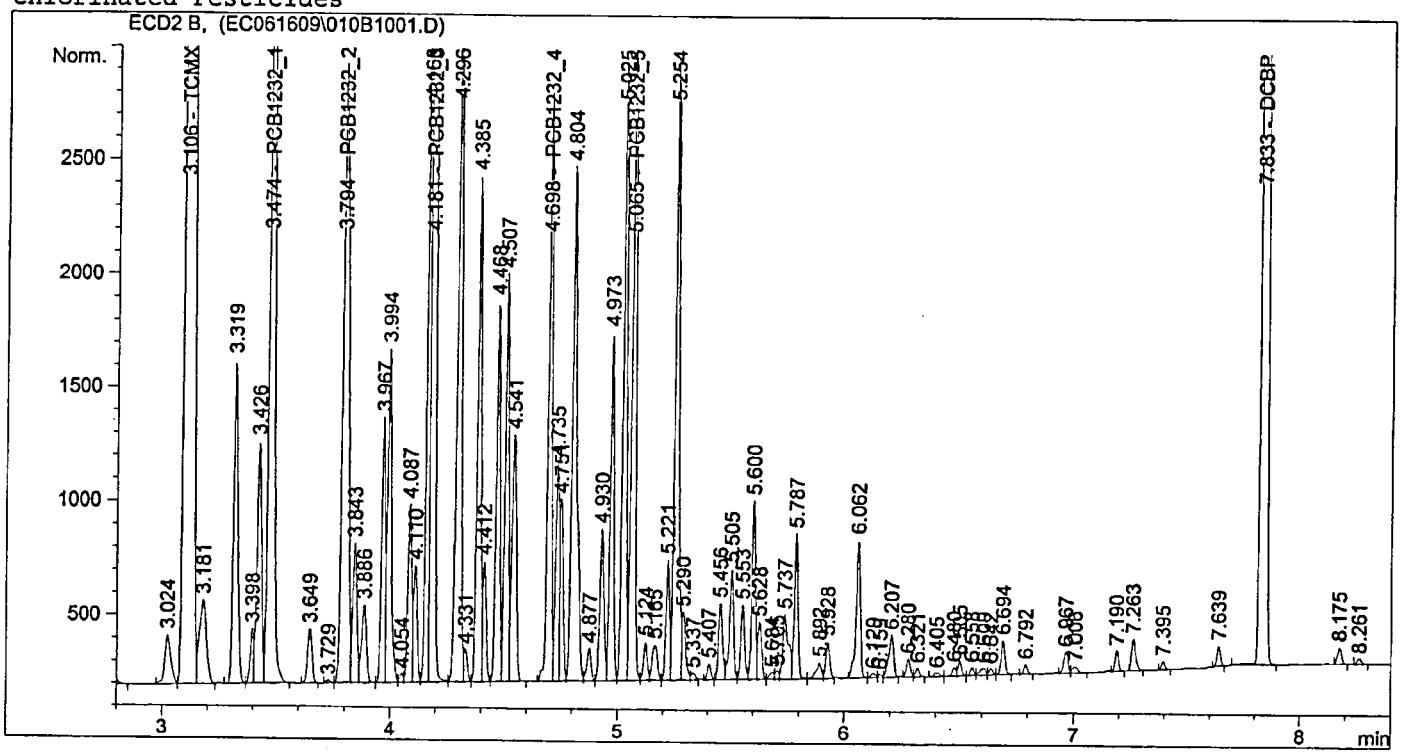
Totals : 200.98835

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 4:36:37 PM          Seq. Line :  10
Sample Name     : A1232 x2000 ICAL               Location : Vial 10
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:21:24 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:21:22 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.07829e4	6.60592e-3	203.34925		TCMX
3.474	VB	5829.13086	3.47485e-1	2025.53436		PCB1232_1
3.794	VV	4788.60791	4.23154e-1	2026.31672		PCB1232_2
4.181	VV	7059.39648	2.64861e-1	1869.75795		PCB1232_3
4.698	PV	2918.44727	6.95111e-1	2028.64335		PCB1232_4
5.065	VV	3467.22461	5.85284e-1	2029.31203		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	3.08501e4	6.61224e-3	203.98829		DCBP

Totals : 1.03869e4

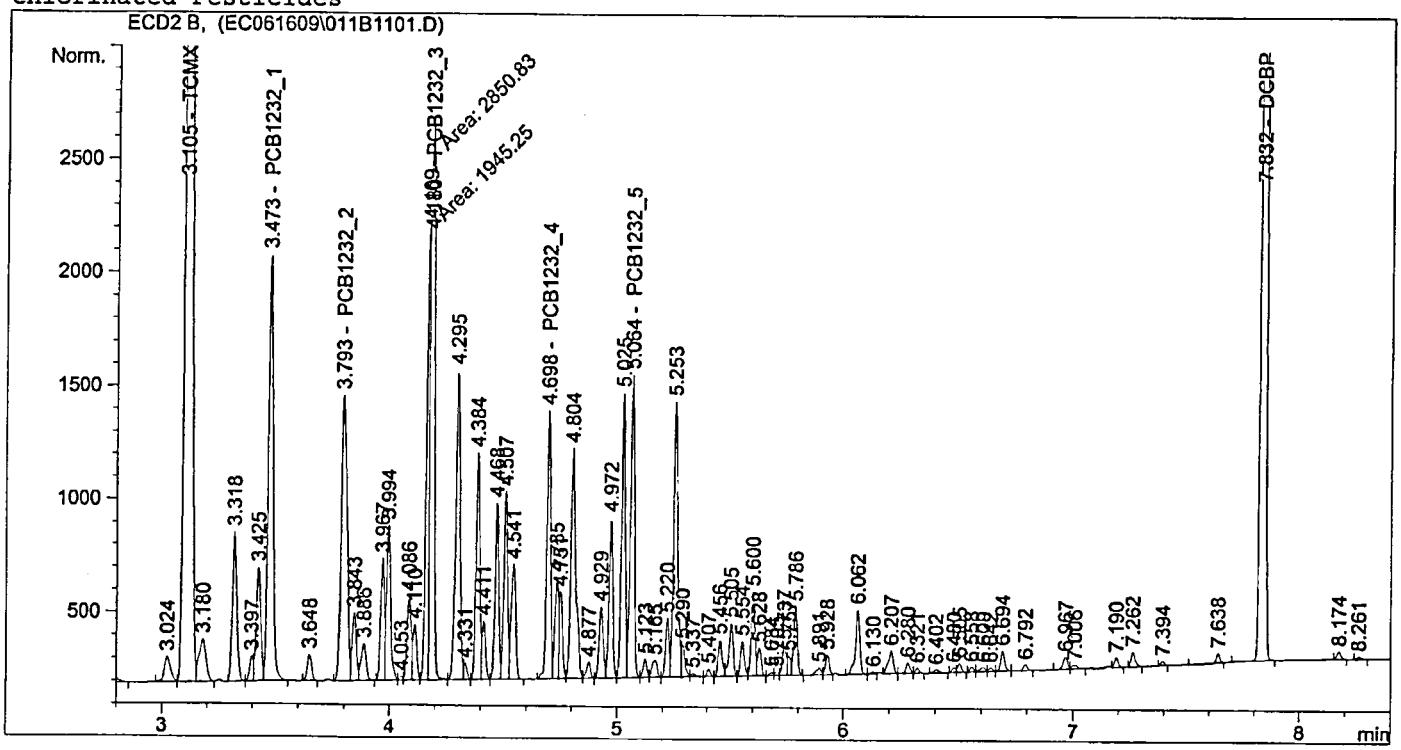
BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Data File C:\HPCHEM\1\DATA\EC061609\011B1101.D

```
==================================================================
Injection Date  : 6/16/2009 4:49:25 PM          Seq. Line :  11
Sample Name     : A1232 x1000 ICAL               Location : Vial 11
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:22:06 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:22:04 AM
Multiplier             :      1.0000
Dilution               :      1.0000

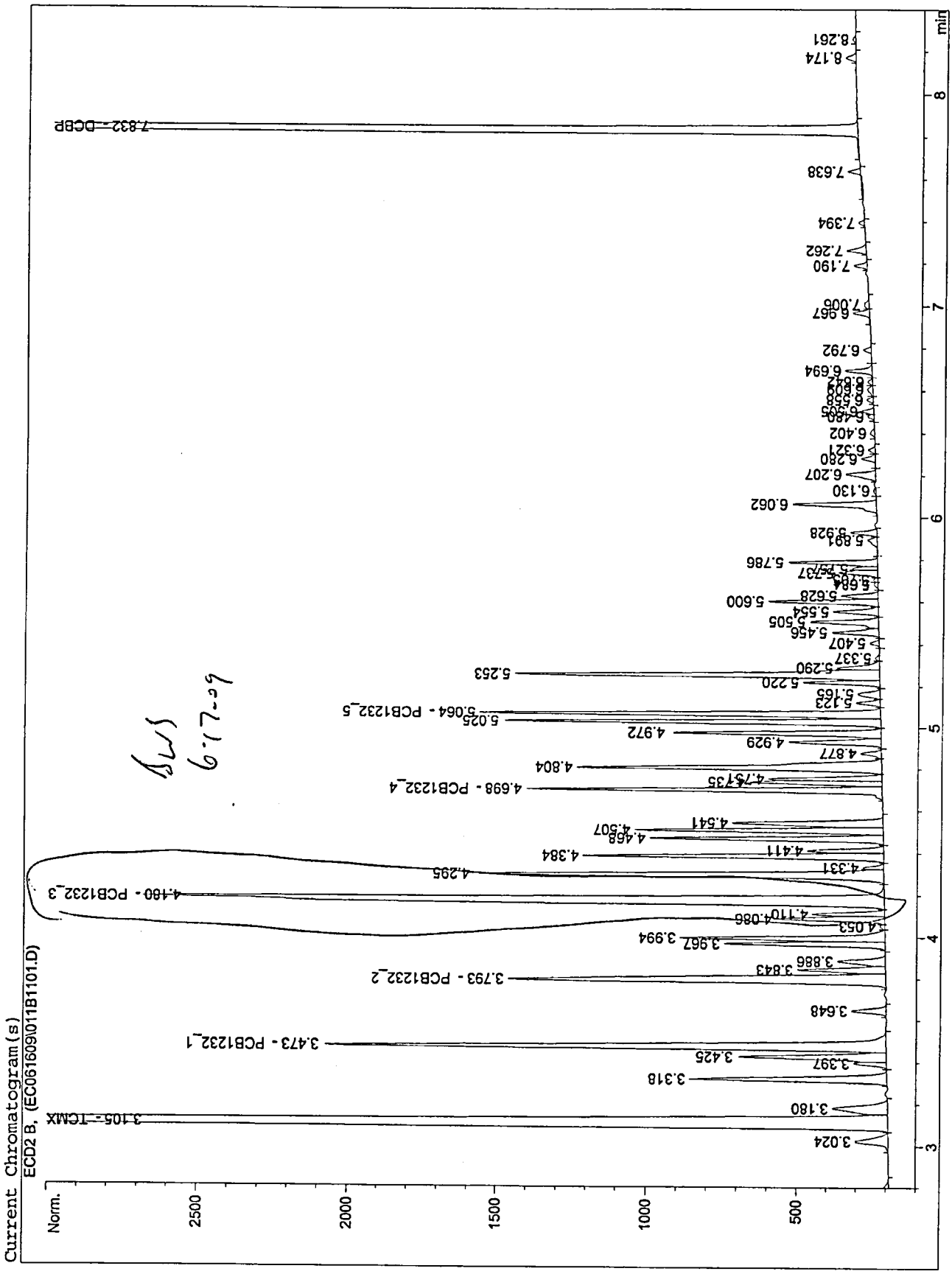
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	1.38047e4	6.81644e-3	94.09862		TCMX
3.473	VB	2691.67798	3.52963e-1	950.06210		PCB1232_1
3.793	VV	2218.20874	4.27105e-1	947.40858		PCB1232_2
4.180	FM	2850.83032	2.82281e-1	804.73630		PCB1232_3
4.698	PV	1341.82825	7.04198e-1	944.91323		PCB1232_4
5.064	VV	1594.22424	5.92052e-1	943.86407		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	1.36127e4	6.81968e-3	92.83438		DCBP
Totals :				4777.91728		

BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

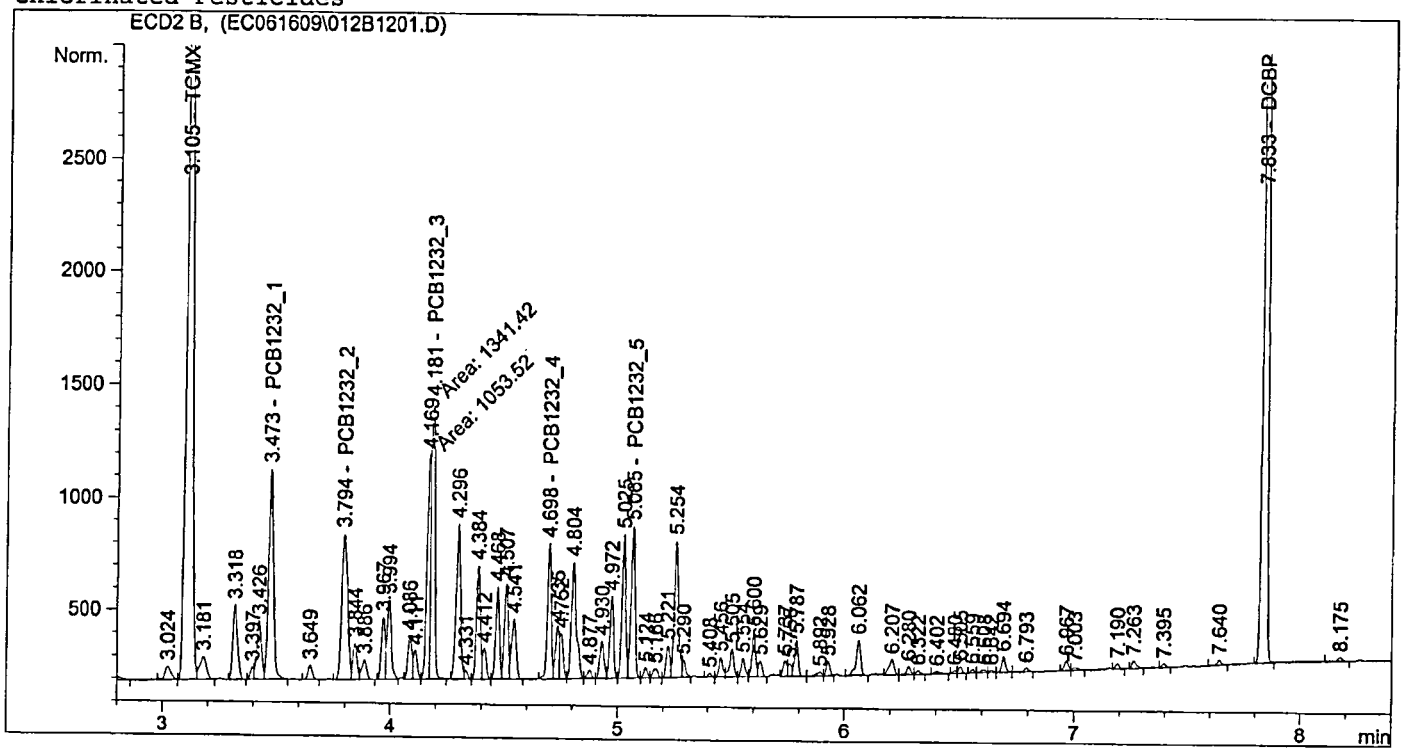
ECD2 6/17/2009 10:22:06 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\011B1101.D)
Norm.
2500
2000
1500
1000
500
3.024
3.105 - TCMX
3.180
3.318
3.397
3.425
3.473 - PCB1232_1
3.648
3.793 - PCB1232_2
3.843
3.886
3.967
3.994
4.053
4.086
4.110
4.180 - PCB1232_3
4.295
4.331
4.384
4.411
4.458
4.507
4.541
4.698 - PCB1232_4
4.735
4.804
4.877
4.929
4.972
5.025
5.064 - PCB1232_5
5.123
5.165
5.220
5.253
5.290
5.337
5.407
5.456
5.505
5.554
5.600
5.628
5.684
5.705
5.737
5.786
5.801
5.928
6.062
6.130
6.207
6.280
6.321
6.402
6.480
6.505
6.558
6.609
6.642
6.694
6.792
6.867
7.006
7.190
7.262
7.394
7.638
7.832 - DCBP
8.174
8.261
min
3
4
5
6
7
8

Data File C:\HPCHEM\1\DATA\EC061609\012B1201.D

```
==================================================================
Injection Date  : 6/16/2009 5:02:18 PM          Seq. Line :  12
Sample Name     : A1232 x500 ICAL                Location : Vial 12
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:22:55 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:22:52 AM
Multiplier             :      1.0000
Dilution               :      1.0000

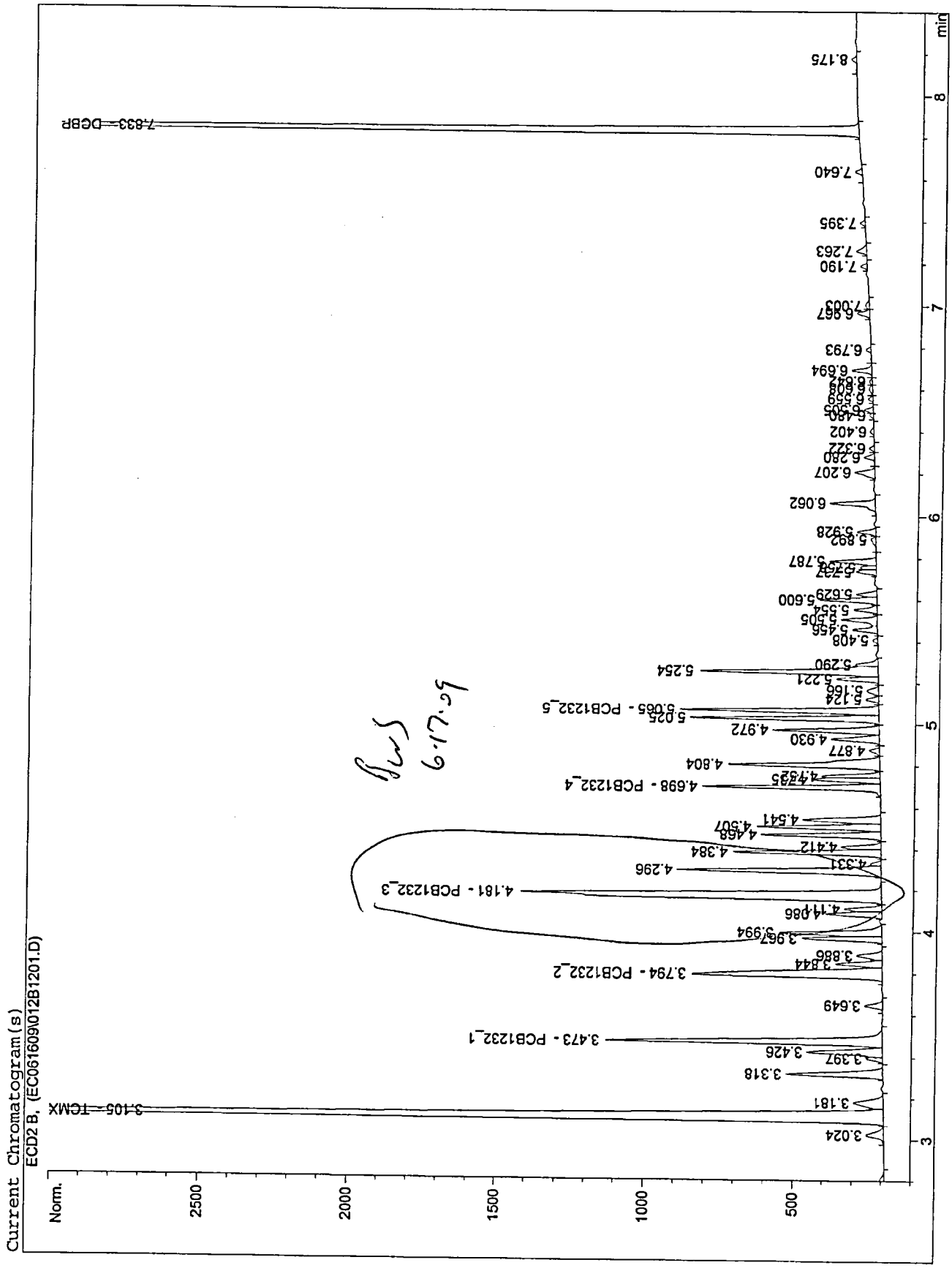
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	6693.57910	7.22193e-3	48.34053		TCMX
3.473	VB	1370.64856	3.62772e-1	497.23283		PCB1232_1
3.794	VV	1150.08057	4.33942e-1	499.06881		PCB1232_2
4.181	FM	1341.41992	3.06857e-1	411.62403		PCB1232_3
4.698	BV	687.42407	7.20213e-1	495.09149		PCB1232_4
5.065	VV	817.45380	6.03957e-1	493.70725		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	6673.33350	7.20574e-3	48.08628		DCBP
Totals :				2493.15122		

BWS
6·17·09

Results obtained with enhanced integrator!
1 Warnings or Errors :

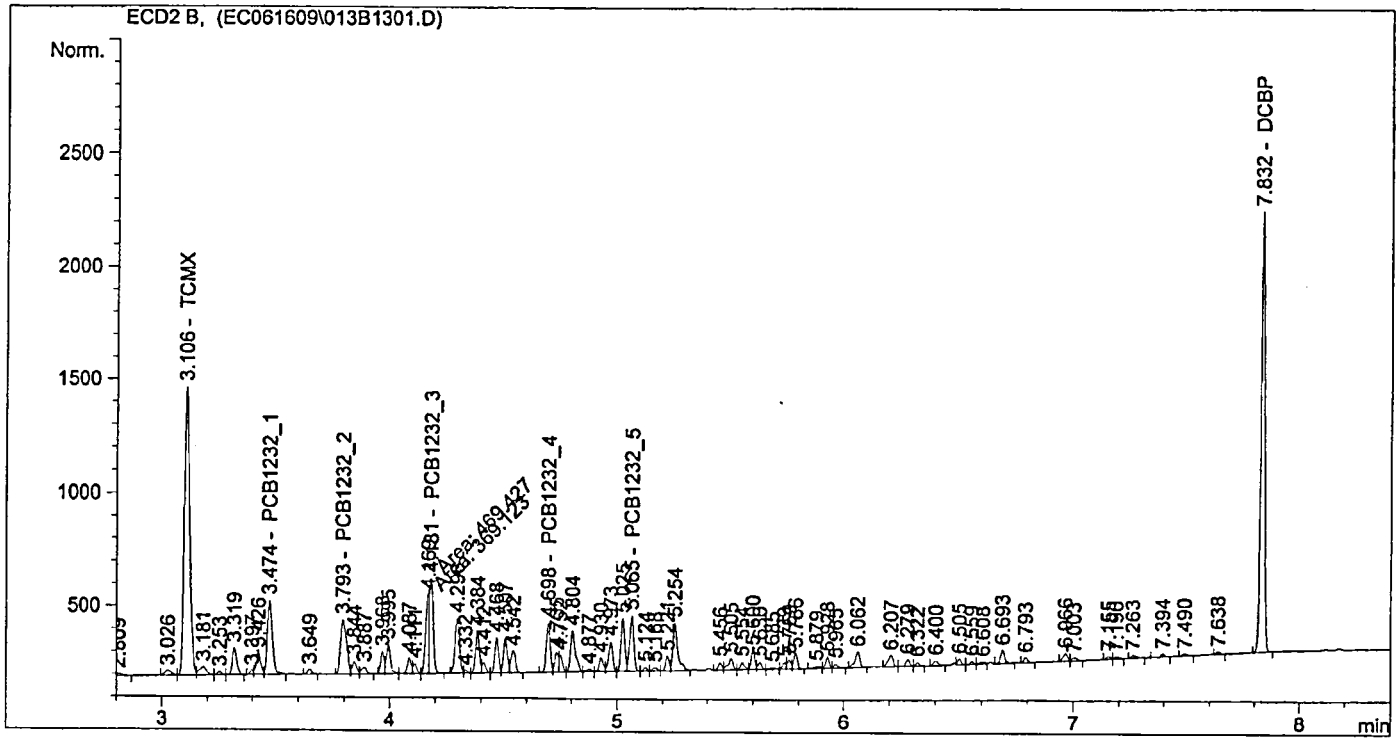
ECD2 6/17/2009 10:22:55 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\012B1201.D)
Norm.
2500
2000
1500
1000
500
3.024
3.105 - TCMX
3.181
3.318
3.397
3.426
3.473 - PCB1232_1
3.649
3.794 - PCB1232_2
3.844
3.886
3.967
3.994
4.086
4.181 - PCB1232_3
4.296
4.331
4.384
4.412
4.458
4.507
4.541
4.698 - PCB1232_4
4.735
4.752
4.804
4.877
4.930
4.972
5.025
5.085 - PCB1232_5
5.124
5.166
5.221
5.254
5.290
5.408
5.456
5.505
5.554
5.600
5.629
5.737
5.787
5.892
5.928
6.062
6.207
6.280
6.322
6.402
6.480
6.505
6.559
6.609
6.642
6.694
6.793
6.867
7.003
7.190
7.263
7.395
7.640
7.833 - DCBP
8.175
min
3
4
5
6
7
8

Data File C:\HPCHEM\1\DATA\EC061609\013B1301.D

```
==================================================================
Injection Date  : 6/16/2009 5:15:06 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:23:32 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:23:30 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2110.25537	8.93160e-3	18.84795		TCMX
3.474	VB	486.65030	3.99078e-1	194.21135		PCB1232_1
3.793	BV	427.34033	4.57957e-1	195.70335		PCB1232_2
4.181	FM	469.42694	3.87568e-1	181.93497		PCB1232_3
4.698	PV	247.69260	7.78508e-1	192.83062		PCB1232_4
5.065	VB	301.99167	6.45663e-1	194.98477		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	2197.49219	8.74824e-3	19.22420		DCBP
Totals :				997.73721		

BWS
6.17.09

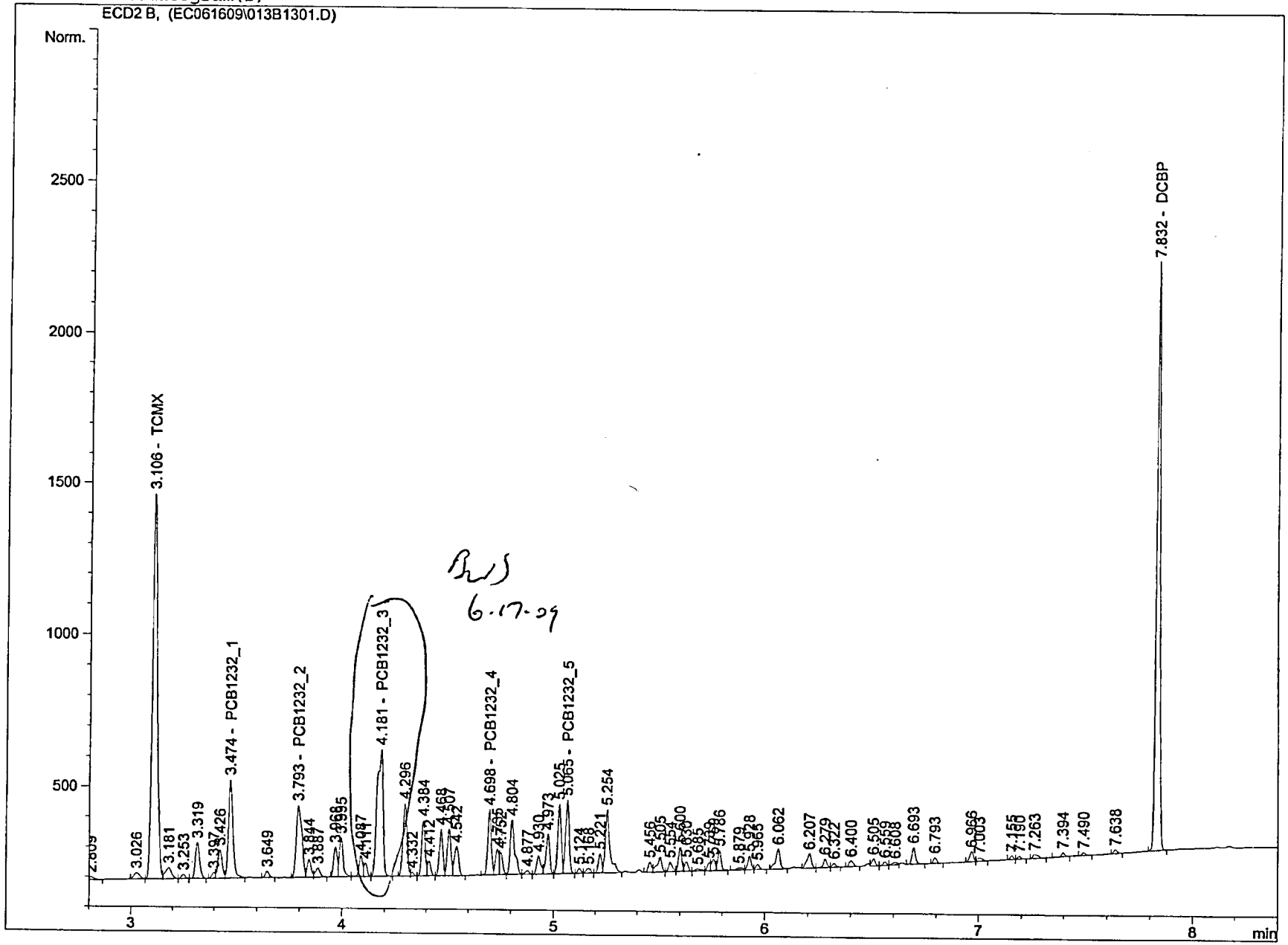
Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:23:32 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

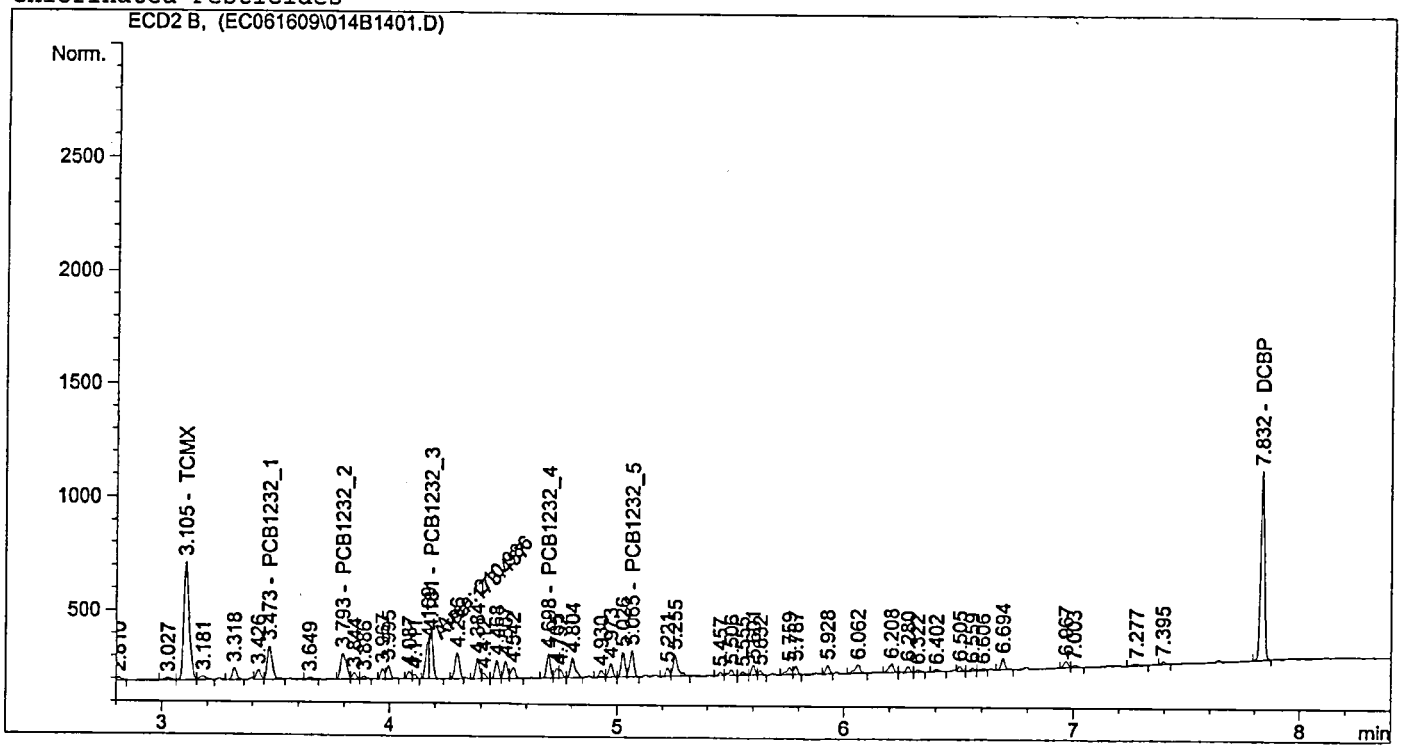
ECD2 B, (EC061609\013B1301.D)



ECD2 6/17/2009 10:23:10 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\014B1401.D

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  14
Sample Name     : A1232 x100 ICAL                Location : Vial 14
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:24:15 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:13 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	860.78107	1.25559e-2	10.80789		TCMX
3.473	VB	216.28876	4.69444e-1	101.53543		PCB1232_1
3.793	BV	200.24164	5.01295e-1	100.38017		PCB1232_2
4.181	FM	210.98586	5.72392e-1	120.76666		PCB1232_3
4.698	BV	116.21473	8.81608e-1	102.45588		PCB1232_4
5.065	VV	142.00189	7.20180e-1	102.26692		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	938.60114	1.18329e-2	11.10635		DCBP
Totals :				549.31928		

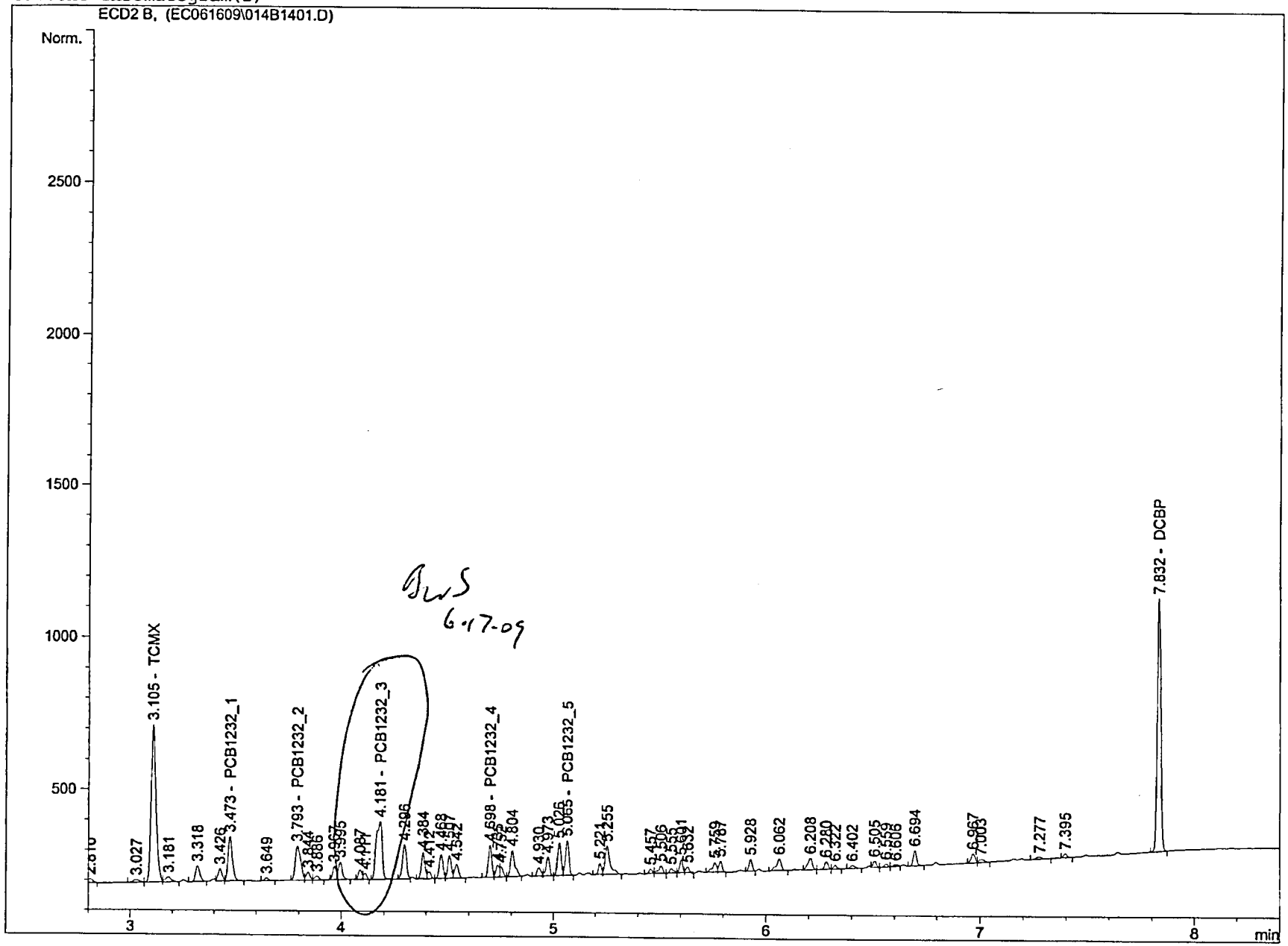
BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:24:15 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

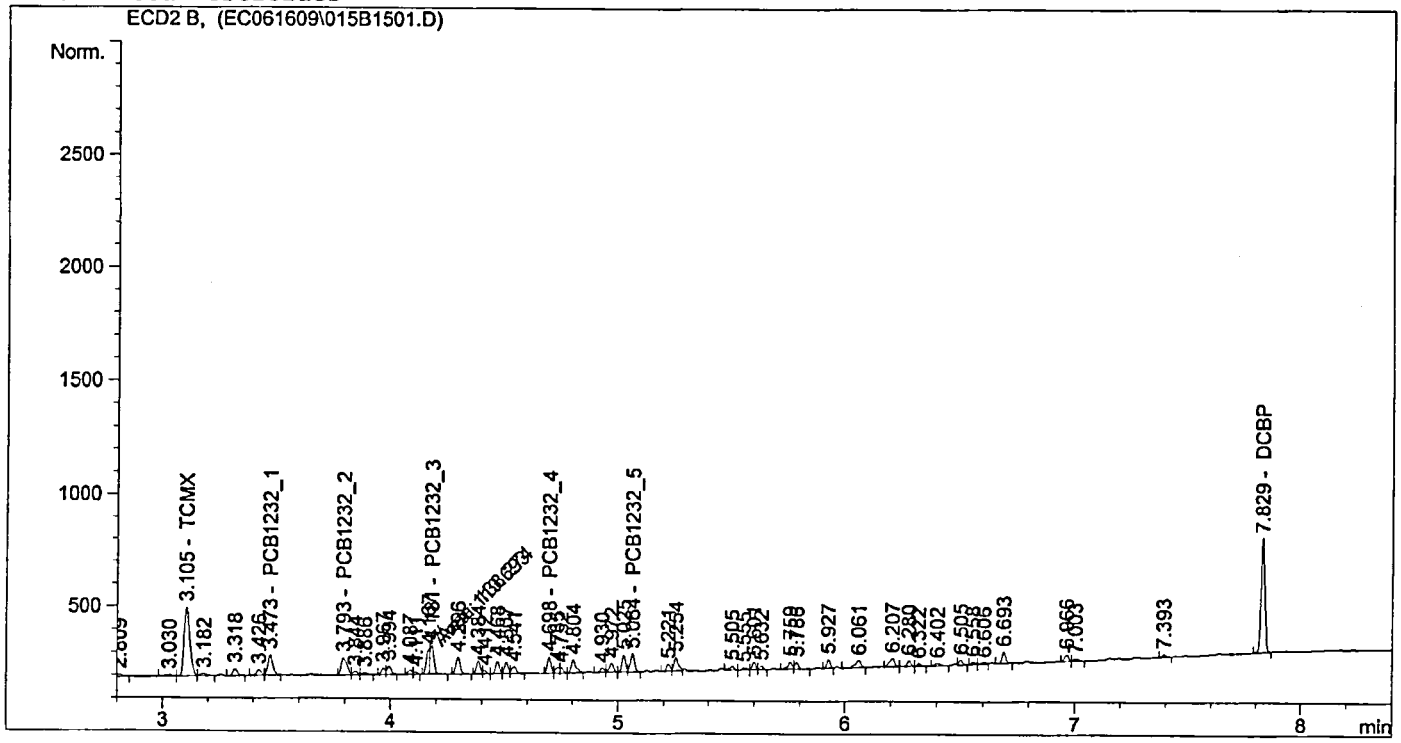


ECD2 6/17/2009 10:23:55 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\015B1501.D

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  15
Sample Name     : A1232 x40 ICAL                 Location : Vial 15
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:25:01 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000

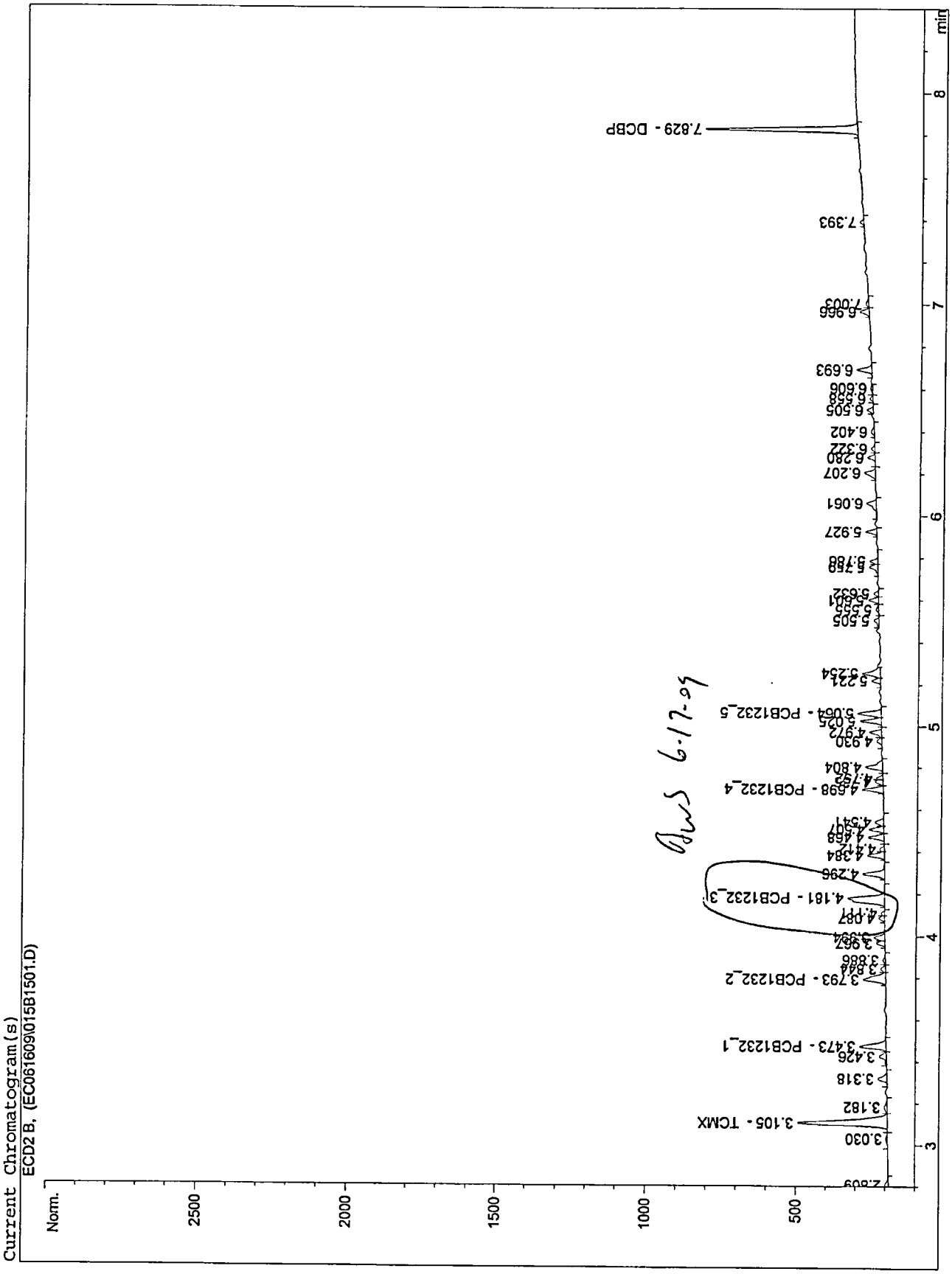
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	510.78622	1.67502e-2	8.55576		TCMX
3.473	VB	128.44514	5.56066e-1	71.42394		PCB1232_1
3.793	BV	130.53764	5.44842e-1	71.12238		PCB1232_2
4.181	FM	138.27422	7.88967e-1	109.09385		PCB1232_3
4.698	BV	77.82170	9.77432e-1	76.06543		PCB1232_4
5.064	VV	96.44386	7.86623e-1	75.86496		PCB1232_5
6.889		-	-	-		DBC
7.829	BB	574.81494	1.52406e-2	8.76050		DCBP
Totals :				420.88682		

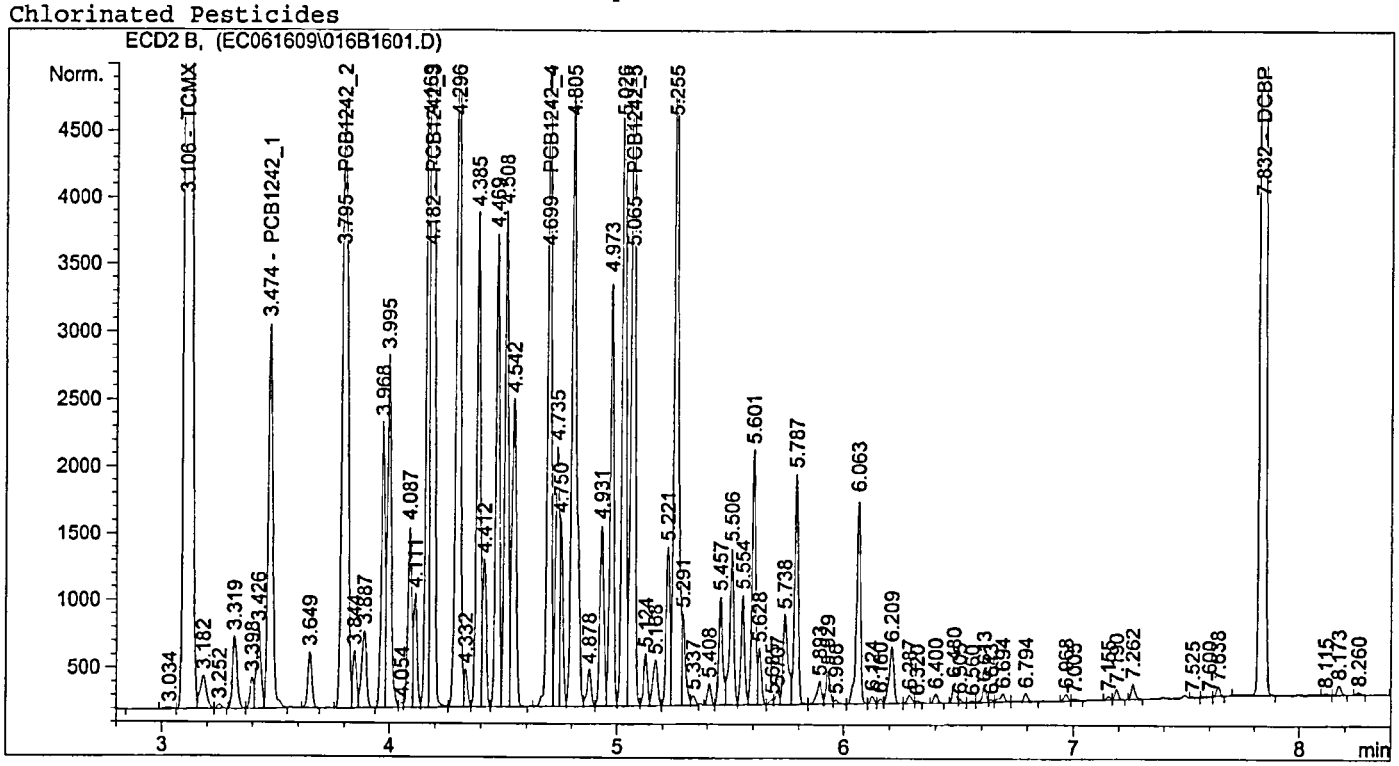
BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:25:01 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\015B1501.D)
Norm.
2500
2000
1500
1000
500
3.105 - TCMX
3.473 - PCB1232_1
3.793 - PCB1232_2
4.181 - PCB1232_3
4.598 - PCB1232_4
5.062 - PCB1232_5
7.829 - DCBP
min
3
4
5
6
7
8
BWS 6-17-09

```
==================================================================
Injection Date  : 6/16/2009 5:53:50 PM          Seq. Line :  16
Sample Name     : A1242 x2000 ICAL               Location : Vial 16
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2.92767e4	6.85742e-3	200.76221		TCMX
3.474	VV	3962.70728	5.03467e-1	1995.09090		PCB1242_1
3.795	VV	7946.29199	2.51169e-1	1995.86526		PCB1242_2
4.182	VV	1.24689e4	1.59461e-1	1988.29808		PCB1242_3
4.699	VV	5915.20605	3.38749e-1	2003.76734		PCB1242_4
5.065	VV	7151.57080	2.80370e-1	2005.08372		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2.90941e4	6.91610e-3	201.21788		DCBP

BWS
6·17·09

Totals : 1.03901e4

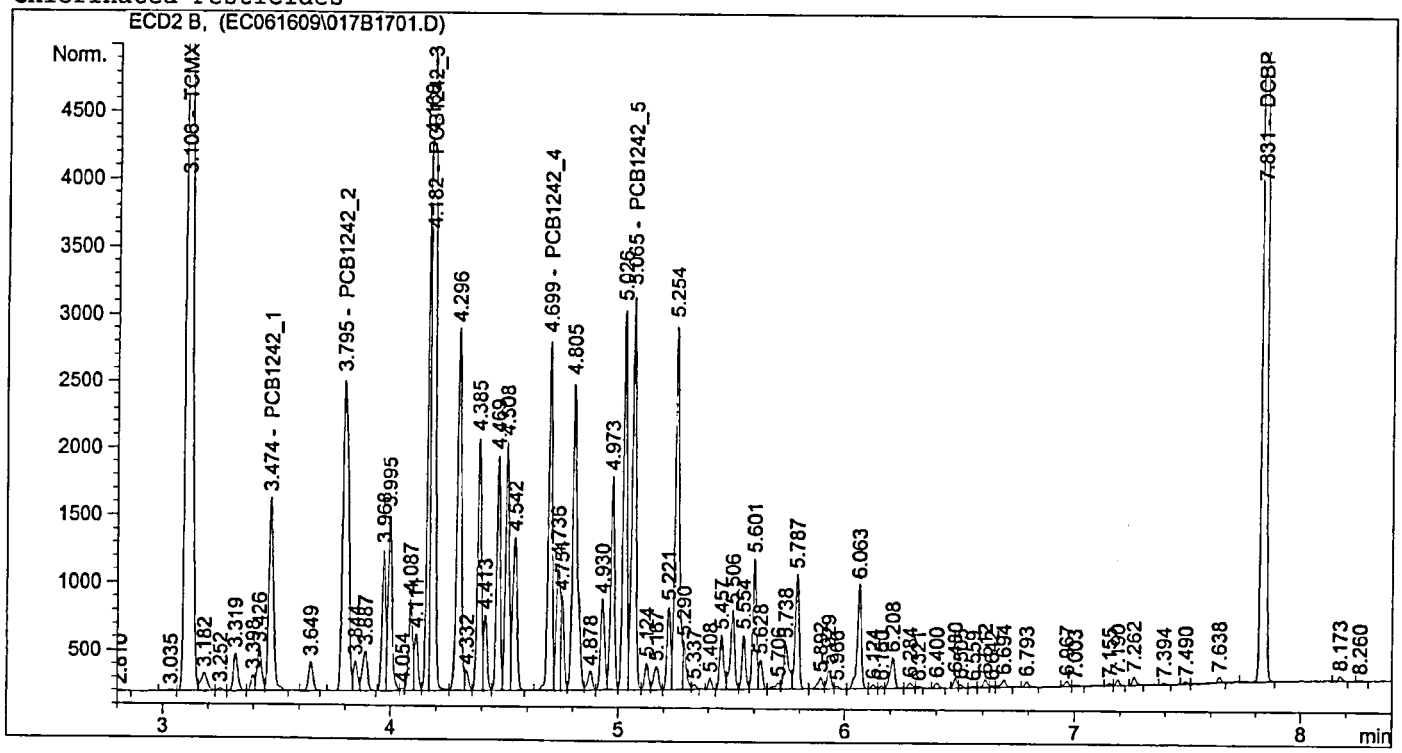
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 6:06:49 PM Seq. Line : 17
Sample Name : A1242 x1000 ICAL Location : Vial 17
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.43929e4	6.97046e-3	100.32491		TCMX
3.474	VV	2033.83032	5.02091e-1	1021.16886		PCB1242_1
3.795	BV	4071.44067	2.50321e-1	1019.16534		PCB1242_2
4.182	VV	6488.69141	1.60779e-1	1043.24213		PCB1242_3
4.699	VV	2958.26978	3.40681e-1	1007.82652		PCB1242_4
5.065	VV	3563.59204	2.82173e-1	1005.54971		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	1.41855e4	7.01620e-3	99.52838		DCBP

Totals : 5296.80584

BWS
6.17.09

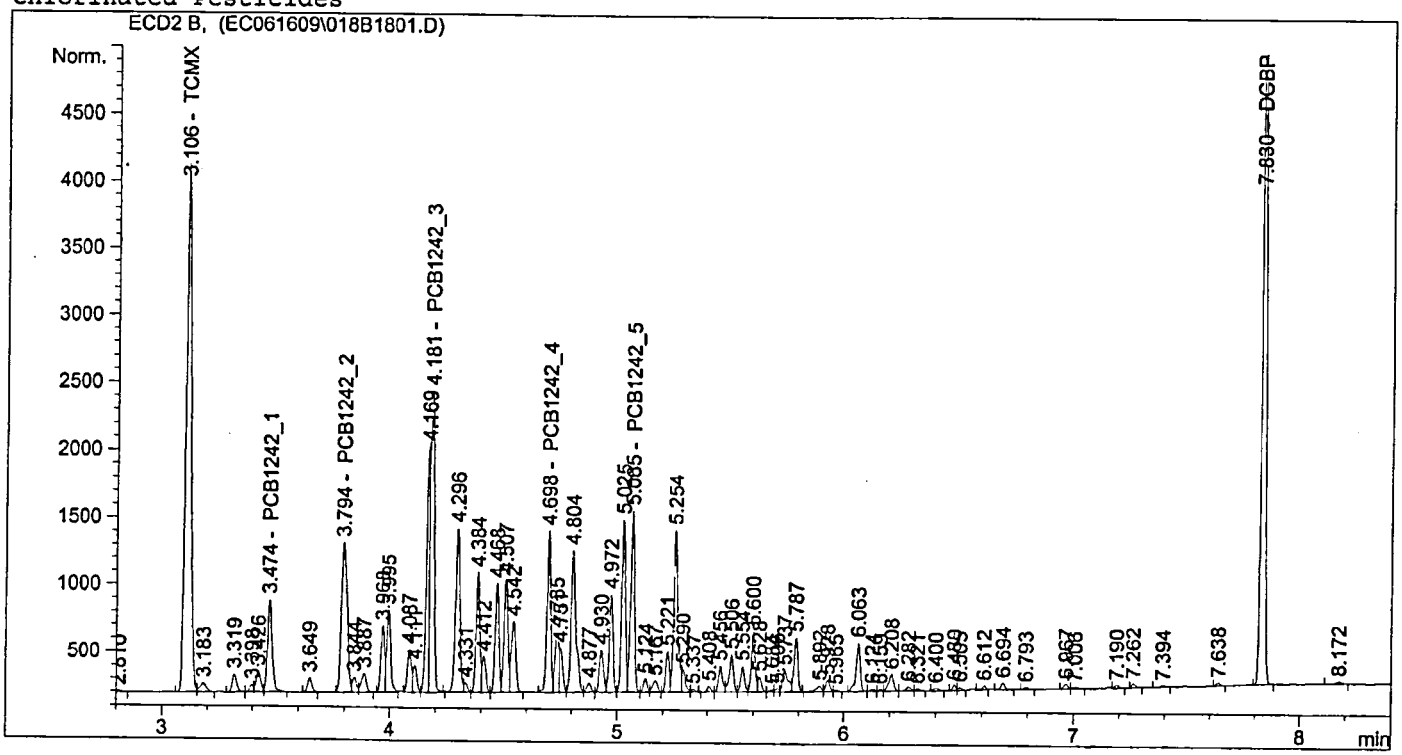
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 6:19:35 PM Seq. Line : 18
Sample Name : A1242 x500 ICAL Location : Vial 18
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6394.96143	7.24856e-3	46.35427		TCMX
3.474	VB	960.01599	4.98931e-1	478.98215		PCB1242_1
3.794	BV	1938.76562	2.48406e-1	481.60057		PCB1242_2
4.181	VB	2829.96143	1.64330e-1	465.04890		PCB1242_3
4.698	BV	1360.82581	3.45219e-1	469.78325		PCB1242_4
5.065	VV	1634.49902	2.86415e-1	468.14573		PCB1242_5
6.888		-	-	-		DBC
7.830	BB	6329.30811	7.25866e-3	45.94230		DCBP

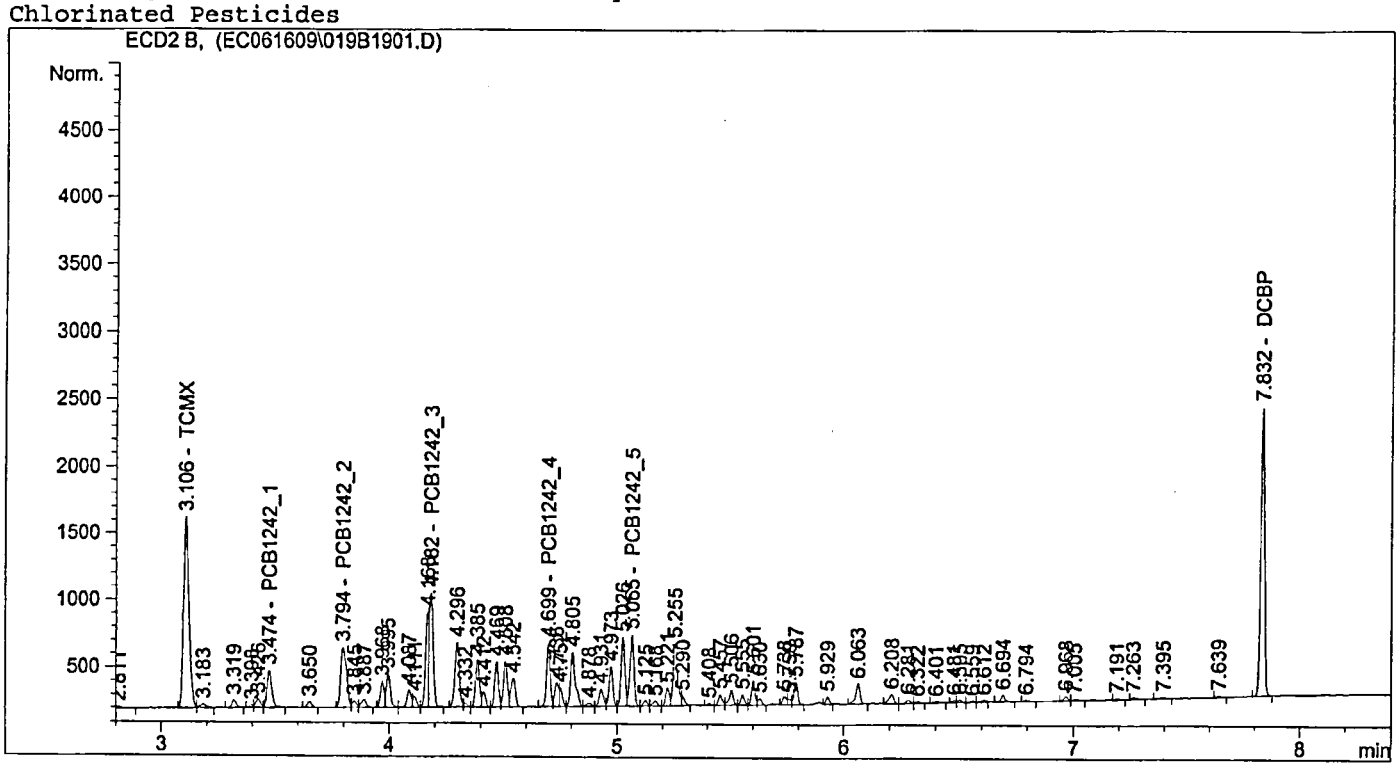
Totals : 2455.85717

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:32:31 PM          Seq. Line :  19
Sample Name     : A1242 x200 ICAL                Location : Vial 19
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	2328.82739	8.12237e-3	18.91559		TCMX
3.474	VB	395.39301	4.90385e-1	193.89462		PCB1242_1
3.794	BV	780.13617	2.42977e-1	189.55496		PCB1242_2
4.182	VB	1045.23547	1.75087e-1	183.00664		PCB1242_3
4.699	BV	536.12469	3.58147e-1	192.01145		PCB1242_4
5.065	VV	648.73181	2.98324e-1	193.53211		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2407.47168	7.97184e-3	19.19199		DCBP
Totals :				990.10736		

BWS
6.17.09

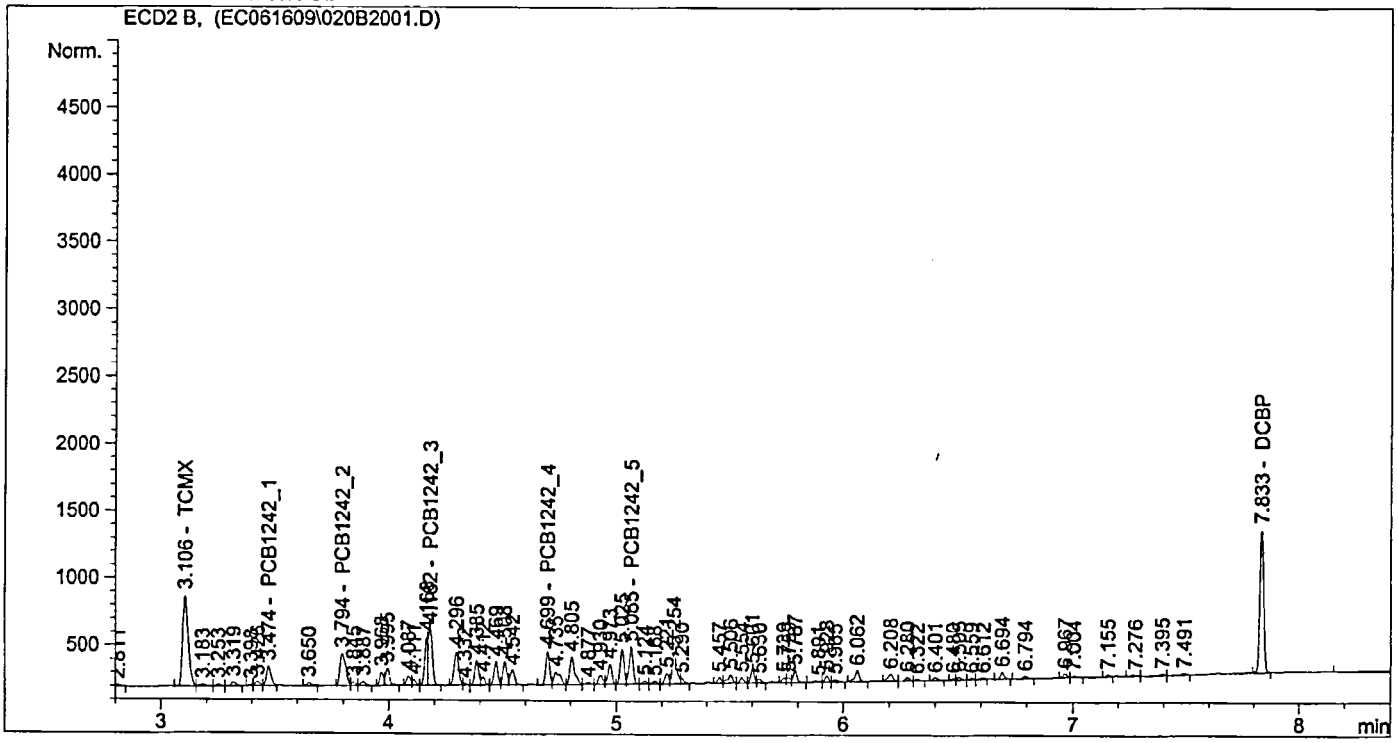
```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

==========

Injection Date : 6/16/2009 6:45:23 PM Seq. Line : 20
Sample Name : A1242 x100 ICAL Location : Vial 20
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1118.03540	9.61065e-3	10.74505		TCMX
3.474	VV	207.61044	4.77240e-1	99.08008		PCB1242_1
3.794	BV	414.28751	2.34954e-1	97.33869		PCB1242_2
4.182	VB	543.15674	1.90852e-1	103.66257		PCB1242_3
4.699	VV	276.82047	3.78129e-1	104.67387		PCB1242_4
5.065	VV	336.67703	3.16625e-1	106.60033		PCB1242_5
6.888		-	-	-		DBC
7.833	BB	1210.19702	9.11054e-3	11.02554		DCBP

Totals : 533.12613

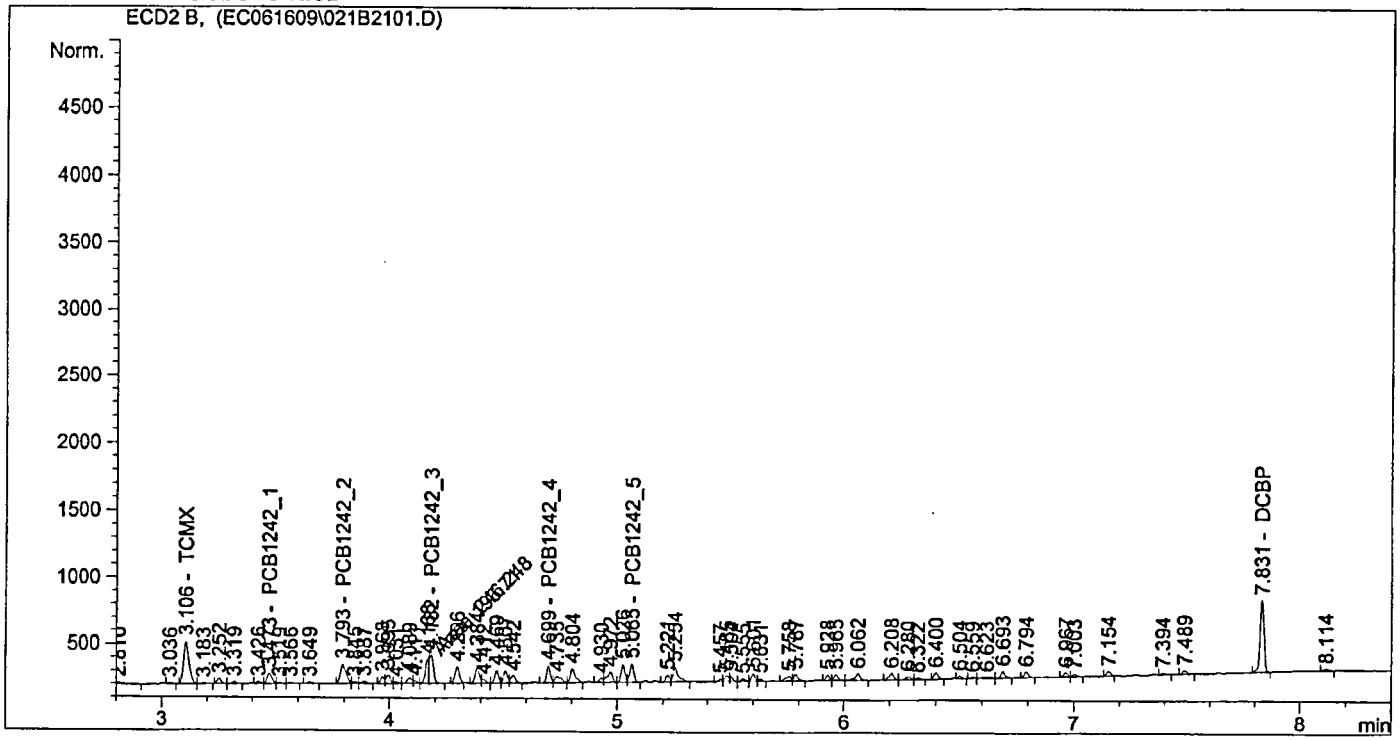
BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:58:15 PM          Seq. Line :  21
Sample Name     : A1242 x40 ICAL                 Location : Vial 21
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

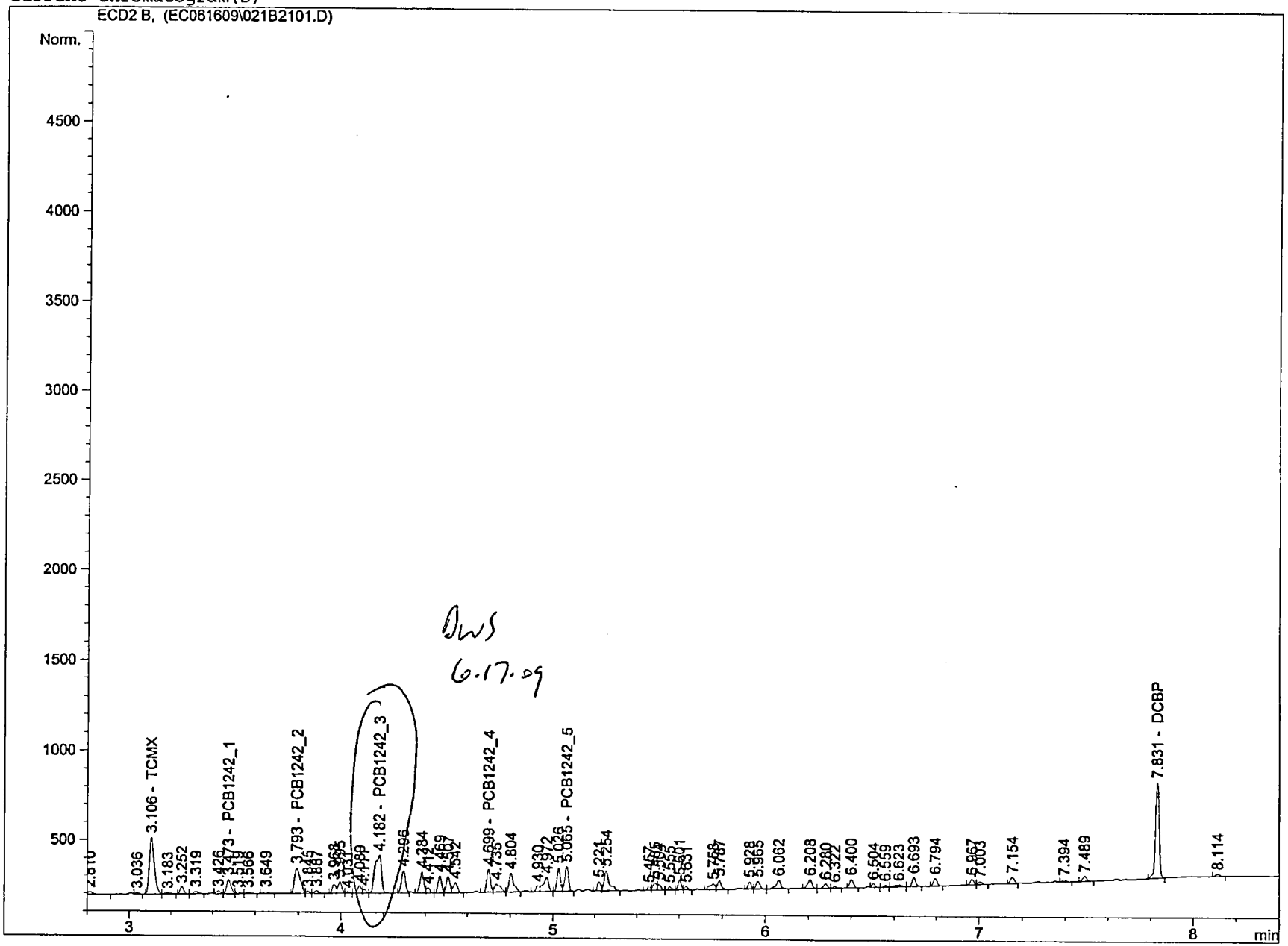
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	547.93732	1.25890e-2	6.89797		TCMX
3.473	VV	113.93815	4.54487e-1	51.78338		PCB1242_1
3.793	BV	252.17020	2.23957e-1	56.47519		PCB1242_2
4.182	FM	246.24762	2.30425e-1	56.74168		PCB1242_3
4.699	VV	149.93695	4.13091e-1	61.93758		PCB1242_4
5.065	VB	173.30504	3.52491e-1	61.08840		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	633.78406	1.11929e-2	7.09391		DCBP
Totals :				302.01812		

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

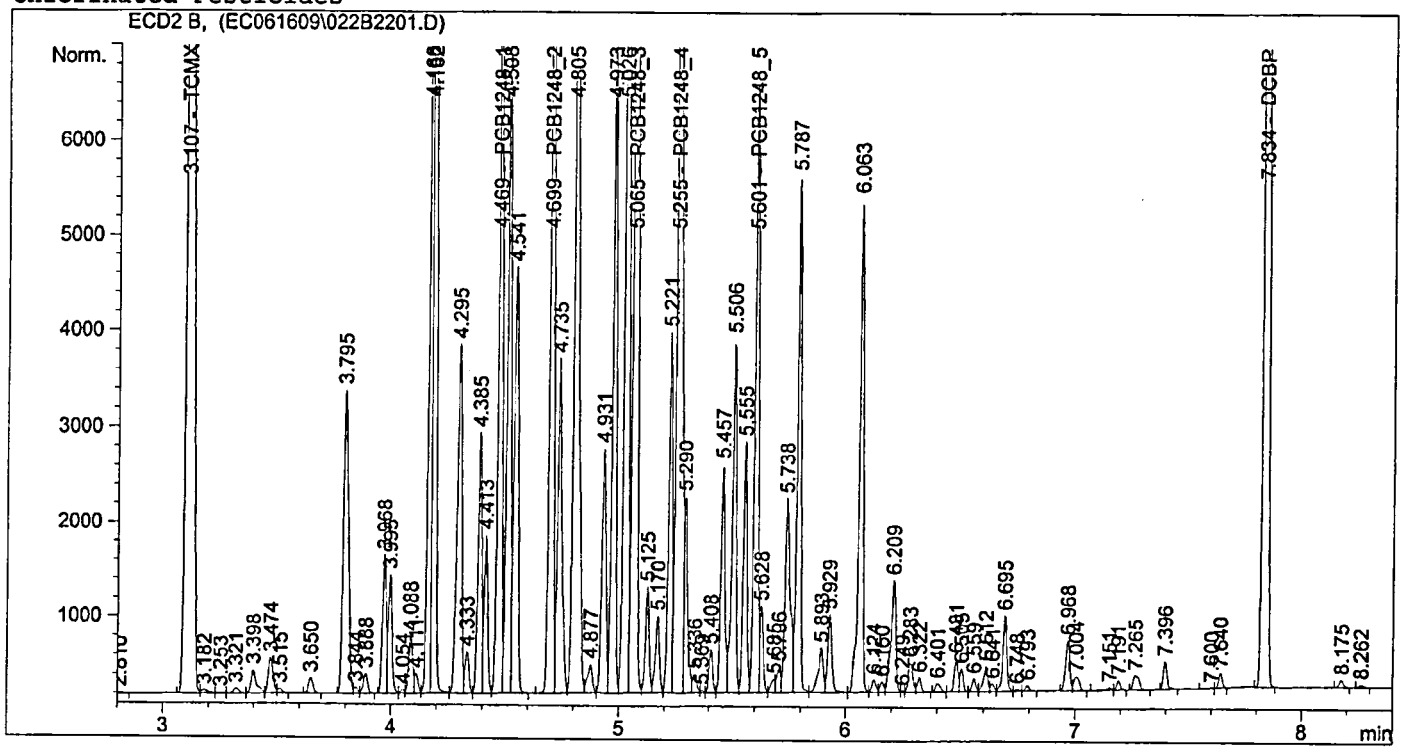
Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)



ECD2 6/17/2009 9:14:19 AM BWS

```
==================================================================
Injection Date  : 6/16/2009 7:11:15 PM          Seq. Line :  22
Sample Name     : A1248 x2000 ICAL               Location : Vial 22
Acq. Operator   : BWS                                 Inj :  1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	3.08251e4	6.58618e-3	203.01976		TCMX
4.469	VV	8806.67773	2.29913e-1	2024.77376		PCB1248_1
4.699	VV	1.18361e4	1.71744e-1	2032.77617		PCB1248_2
5.065	VV	1.71860e4	1.17833e-1	2025.08547		PCB1248_3
5.255	VV	1.71760e4	1.18112e-1	2028.69103		PCB1248_4
5.601	VV	7110.13770	2.85328e-1	2028.71889		PCB1248_5
6.887		-	-	-		DBC
7.834	VP	3.05506e4	6.65094e-3	203.19030		DCBP

BWS
6.17.09

Totals : 1.05463e4

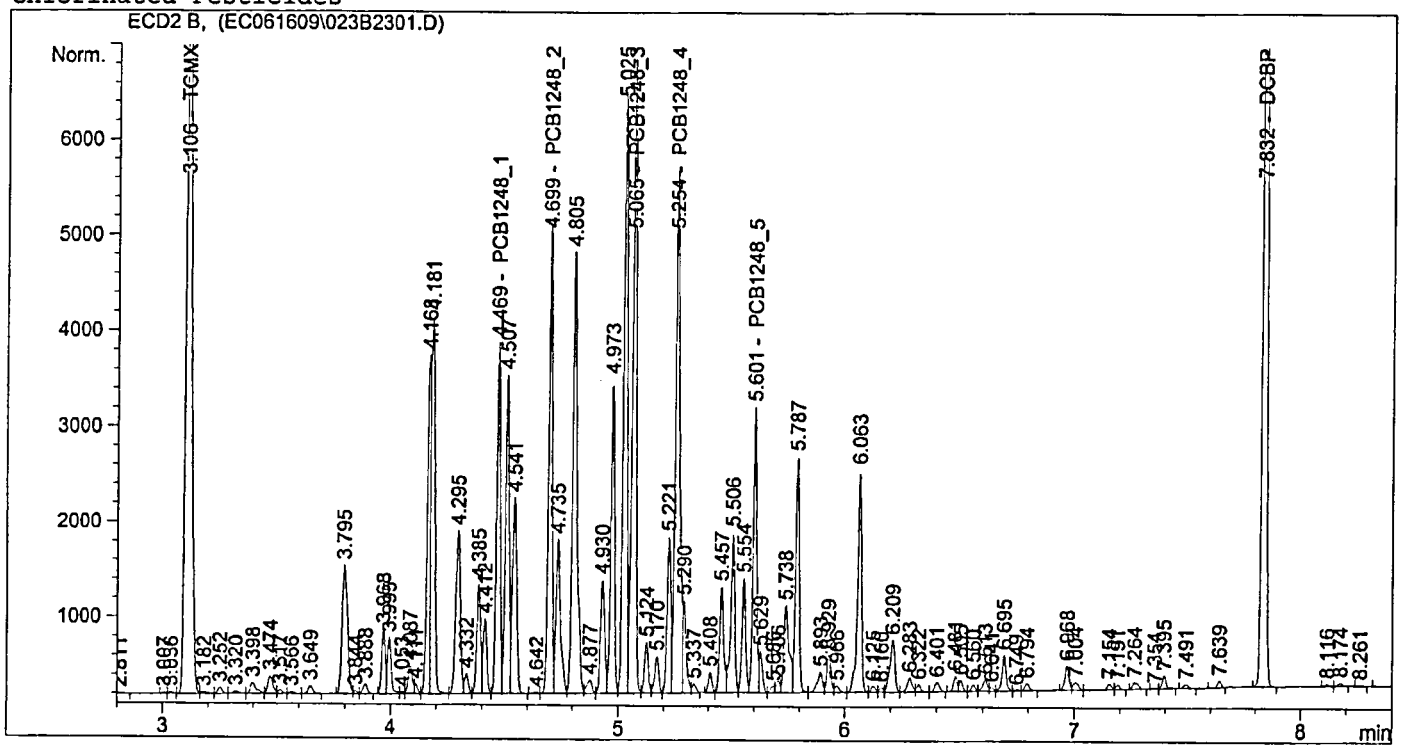
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 7:24:05 PM Seq. Line : 23
Sample Name : A1248 x1000 ICAL Location : Vial 23
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.40913e4	6.80030e-3	95.82514		TCMX
4.469	VV	4111.20459	2.34822e-1	965.40007		PCB1248_1
4.699	VV	5394.39160	1.76085e-1	949.86968		PCB1248_2
5.065	VV	7994.77148	1.20778e-1	965.59574		PCB1248_3
5.254	VV	7896.04150	1.21496e-1	959.33850		PCB1248_4
5.601	VV	3272.71558	2.93019e-1	958.96702		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	1.39587e4	6.84358e-3	95.52761		DCBP

Totals : 4990.52377

BWS
6.17.09

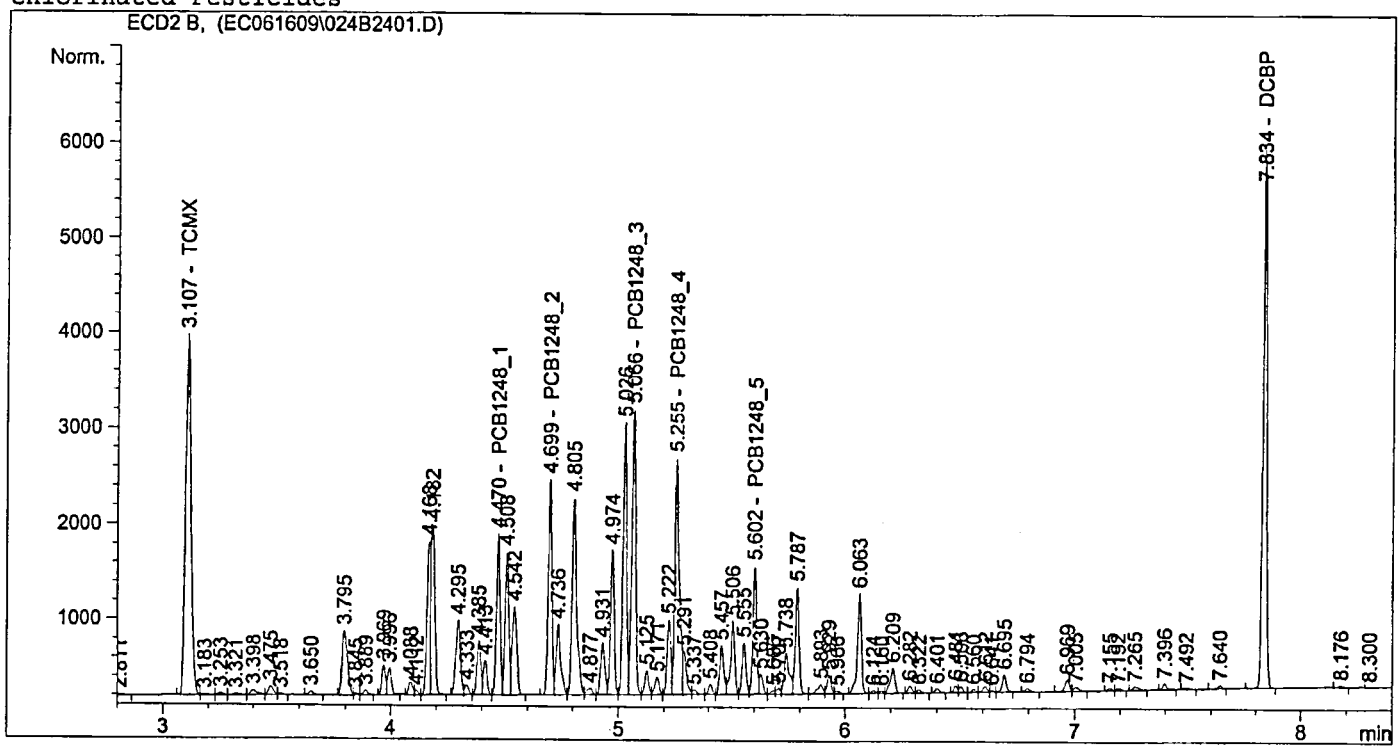
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 7:37:02 PM Seq. Line : 24
Sample Name : A1248 x500 ICAL Location : Vial 24
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	6300.57422	7.28801e-3	45.91865		TCMX
4.470	VV	1901.68494	2.45518e-1	466.89717		PCB1248_1
4.699	VV	2512.91968	1.85230e-1	465.46735		PCB1248_2
5.066	VV	3658.34595	1.27306e-1	465.72899		PCB1248_3
5.255	VV	3585.53442	1.29026e-1	462.62656		PCB1248_4
5.602	VV	1494.21899	3.09980e-1	463.17845		PCB1248_5
6.887		-	-	-		DBC
7.834	BB	6299.68750	7.27482e-3	45.82909		DCBP

Totals : 2415.64627

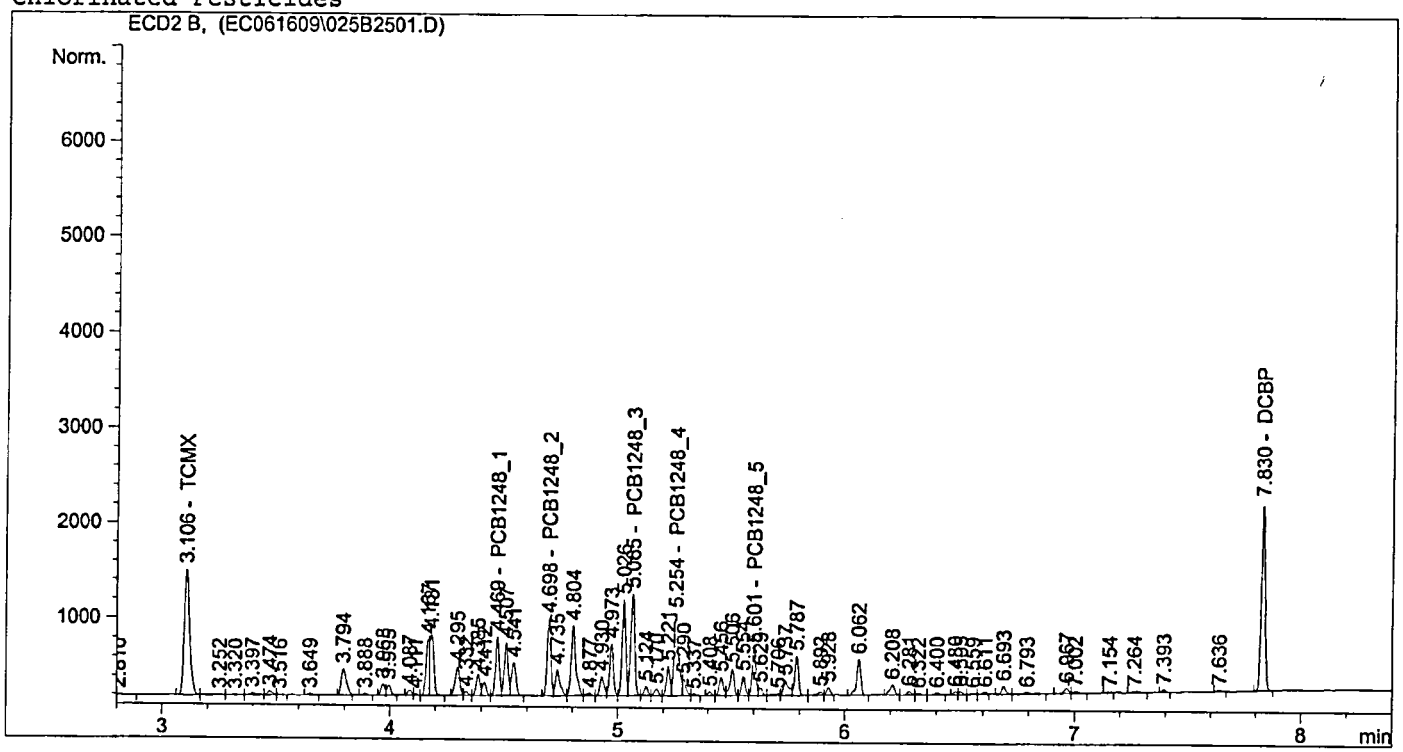
BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 7:49:47 PM Seq. Line : 25
Sample Name : A1248 x200 ICAL Location : Vial 25
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VB	2148.92798	8.99228e-3	19.32375		TCMX
4.469	VV	701.99823	2.79529e-1	196.22870		PCB1248_1
4.698	PV	905.80774	2.15605e-1	195.29683		PCB1248_2
5.065	VV	1303.56958	1.49045e-1	194.29013		PCB1248_3
5.254	VV	1268.16577	1.54230e-1	195.58961		PCB1248_4
5.601	VV	535.51013	3.65858e-1	195.92075		PCB1248_5
6.887		-	-	-		DBC
7.830	BB	2213.60352	8.72560e-3	19.31501		DCBP

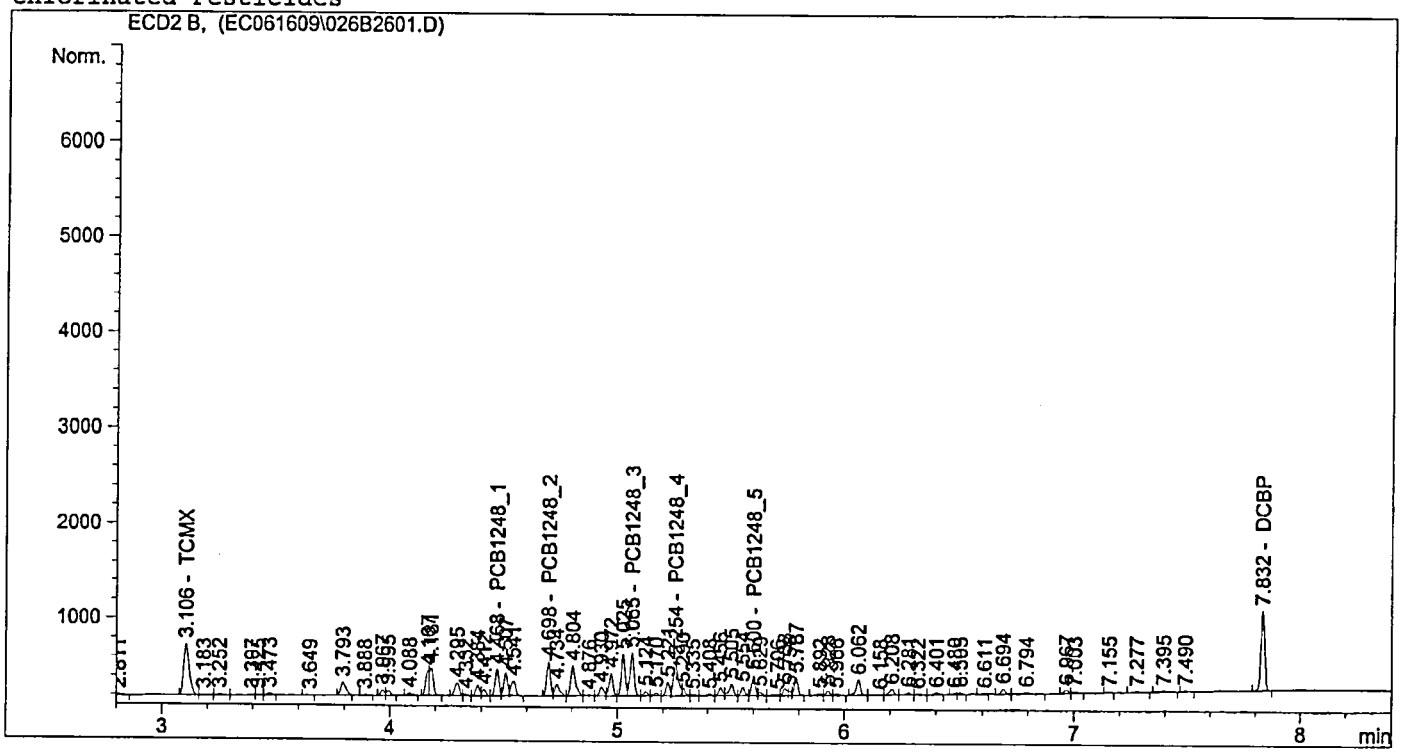
Totals : 1015.96479

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 8:02:36 PM          Seq. Line :  26
Sample Name     : A1248 x100 ICAL                Location : Vial 26
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

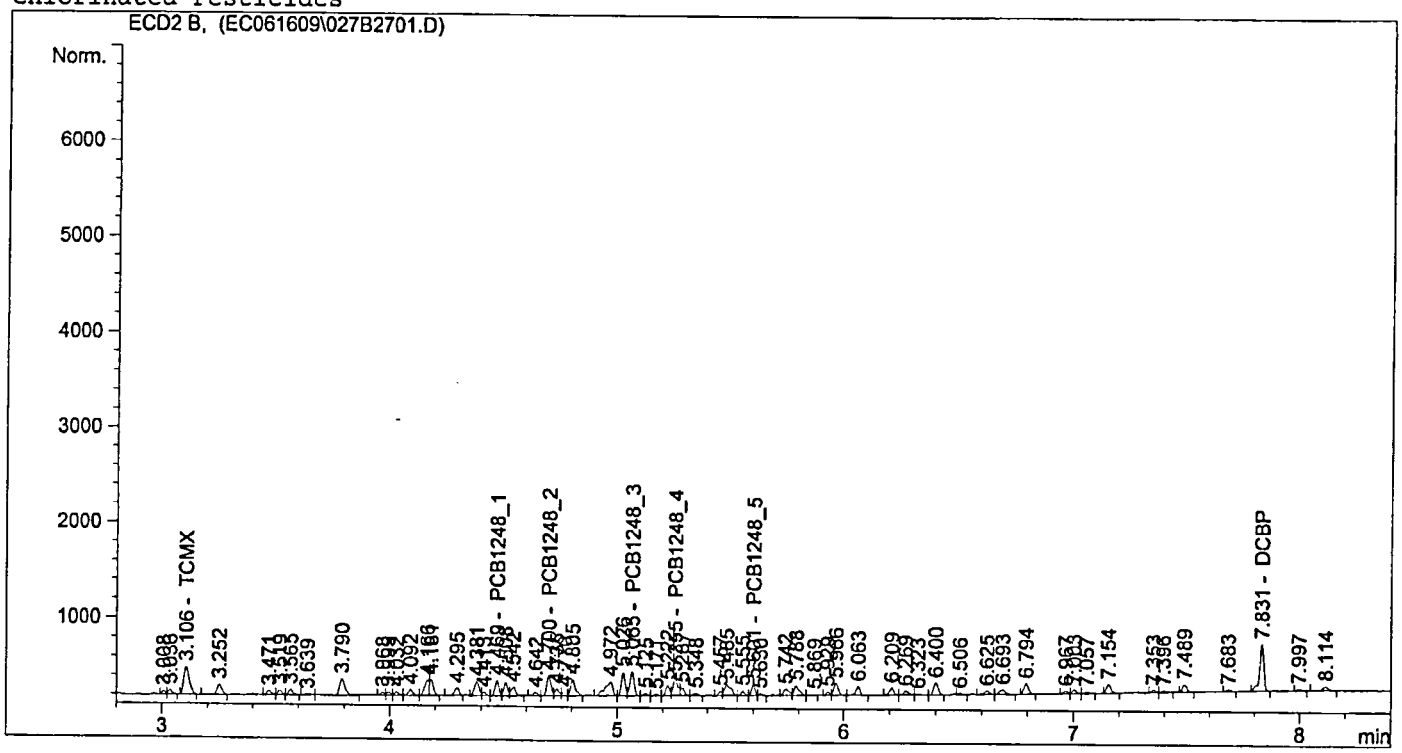
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	887.92737	1.26654e-2	11.24595		TCMX
4.468	VV	311.68481	3.47042e-1	108.16777		PCB1248_1
4.698	PV	390.62155	2.78247e-1	108.68922		PCB1248_2
5.065	VV	563.48987	1.93402e-1	108.97995		PCB1248_3
5.254	VV	539.59485	2.06885e-1	111.63432		PCB1248_4
5.600	VV	232.86835	4.79042e-1	111.55380		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	954.55786	1.16758e-2	11.14522		DCBP
Totals :				571.41623		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 8:15:37 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BP	485.29697	1.78587e-2	8.66675		TCMX
4.469	VV	180.33220	4.35488e-1	78.53252		PCB1248_1
4.700	VV	266.96121	3.29264e-1	87.90076		PCB1248_2
5.065	VV	314.85751	2.55099e-1	80.31970		PCB1248_3
5.255	VV	283.46695	2.89699e-1	82.11997		PCB1248_4
5.601	VV	125.63702	6.49976e-1	81.66109		PCB1248_5
6.887		-	-	-		DBC
7.831	BB	622.84137	1.44383e-2	8.99276		DCBP
Totals :				428.19356		

BWS
6.17.09

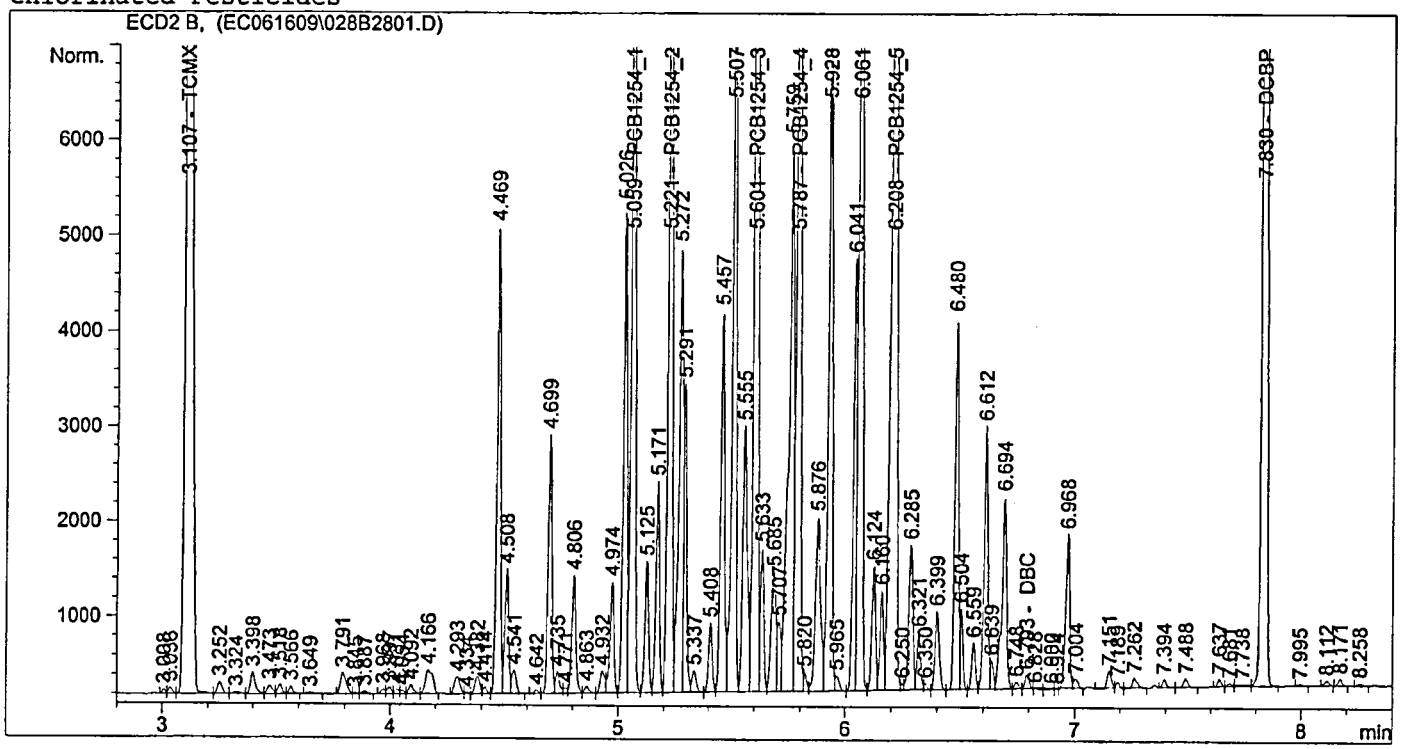
```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

==========

Injection Date : 6/16/2009 8:28:31 PM Seq. Line : 28
Sample Name : A1254 x2000 ICAL Location : Vial 28
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



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External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VV	2.82617e4	7.07513e-3	199.95492		TCMX
5.059	VV	1.06647e4	1.87523e-1	1999.87699		PCB1254_1
5.221	VV	1.08727e4	1.79699e-1	1953.80746		PCB1254_2
5.601	VV	1.80251e4	1.10962e-1	2000.09376		PCB1254_3
5.787	VV	1.44171e4	1.38665e-1	1999.14940		PCB1254_4
6.208	VV	1.75004e4	1.12740e-1	1973.00287		PCB1254_5
6.793	VV	171.09821	0.00000	0.00000		DBC
7.830	VB	2.85947e4	7.03720e-3	201.22627		DCBP

Totals : 1.03271e4

DWS
6.17.09

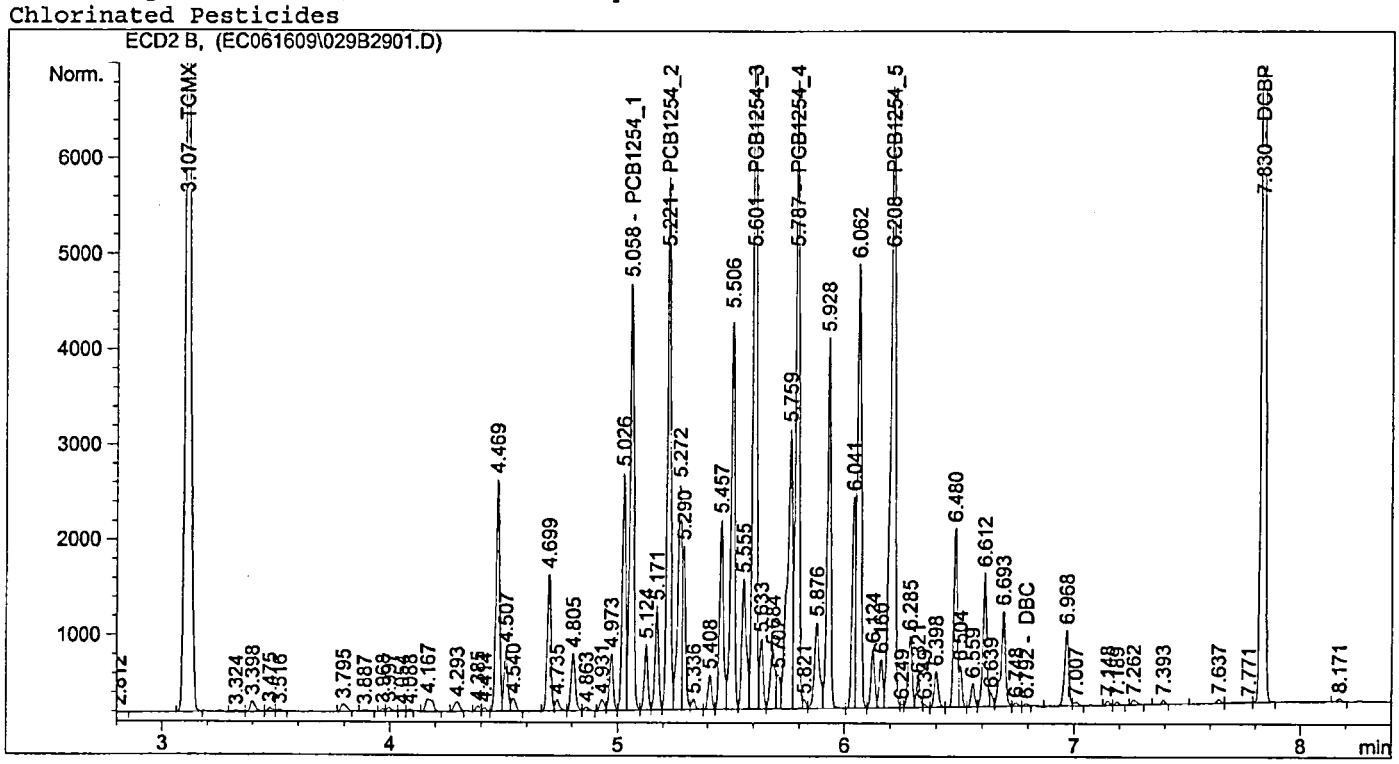
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 8:41:32 PM Seq. Line : 29
Sample Name : A1254 x1000 ICAL Location : Vial 29
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



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External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VB	1.40482e4	7.16859e-3	100.70584		TCMX
5.058	VV	5308.97803	1.88691e-1	1001.75400		PCB1254_1
5.221	VV	6097.46680	1.78618e-1	1089.11633		PCB1254_2
5.601	VV	8935.36523	1.12154e-1	1002.13848		PCB1254_3
5.787	VV	7195.55811	1.39696e-1	1005.19148		PCB1254_4
6.208	VV	9338.53711	1.12975e-1	1055.02259		PCB1254_5
6.792	VV	29.78347	0.00000	0.00000		DBC
7.830	VB	1.37947e4	7.12150e-3	98.23857		DCBP

Totals : 5352.16729

BWS
6.17.09

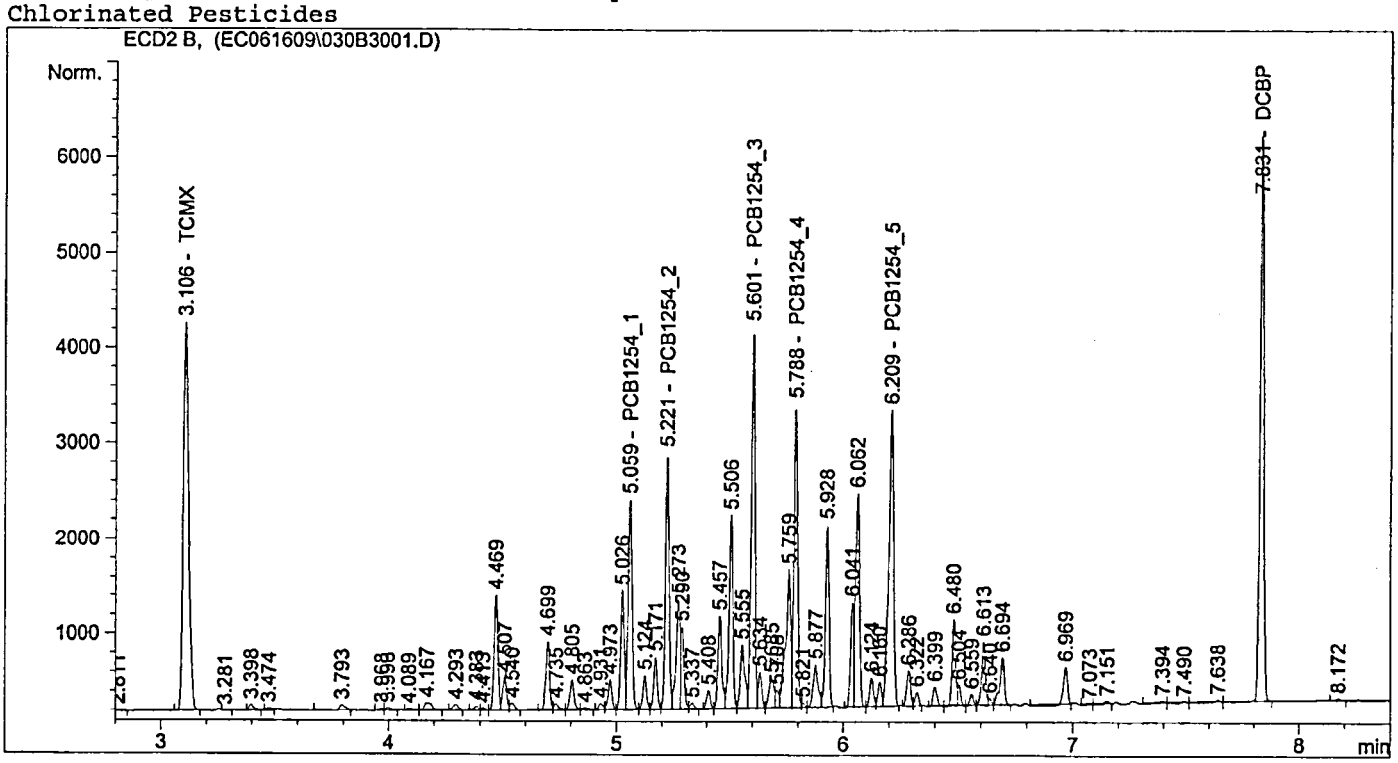
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 8:54:25 PM Seq. Line : 30
Sample Name : A1254 x500 ICAL Location : Vial 30
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	6711.31299	7.37175e-3	49.47411		TCMX
5.059	VV	2630.86133	1.91057e-1	502.64386		PCB1254_1
5.221	VV	2990.20801	1.76060e-1	526.45598		PCB1254_2
5.601	VV	4376.57861	1.14617e-1	501.62995		PCB1254_3
5.788	VV	3507.07764	1.41860e-1	497.51547		PCB1254_4
6.209	VV	4512.06494	1.13514e-1	512.18204		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	6690.64648	7.29443e-3	48.80442		DCBP

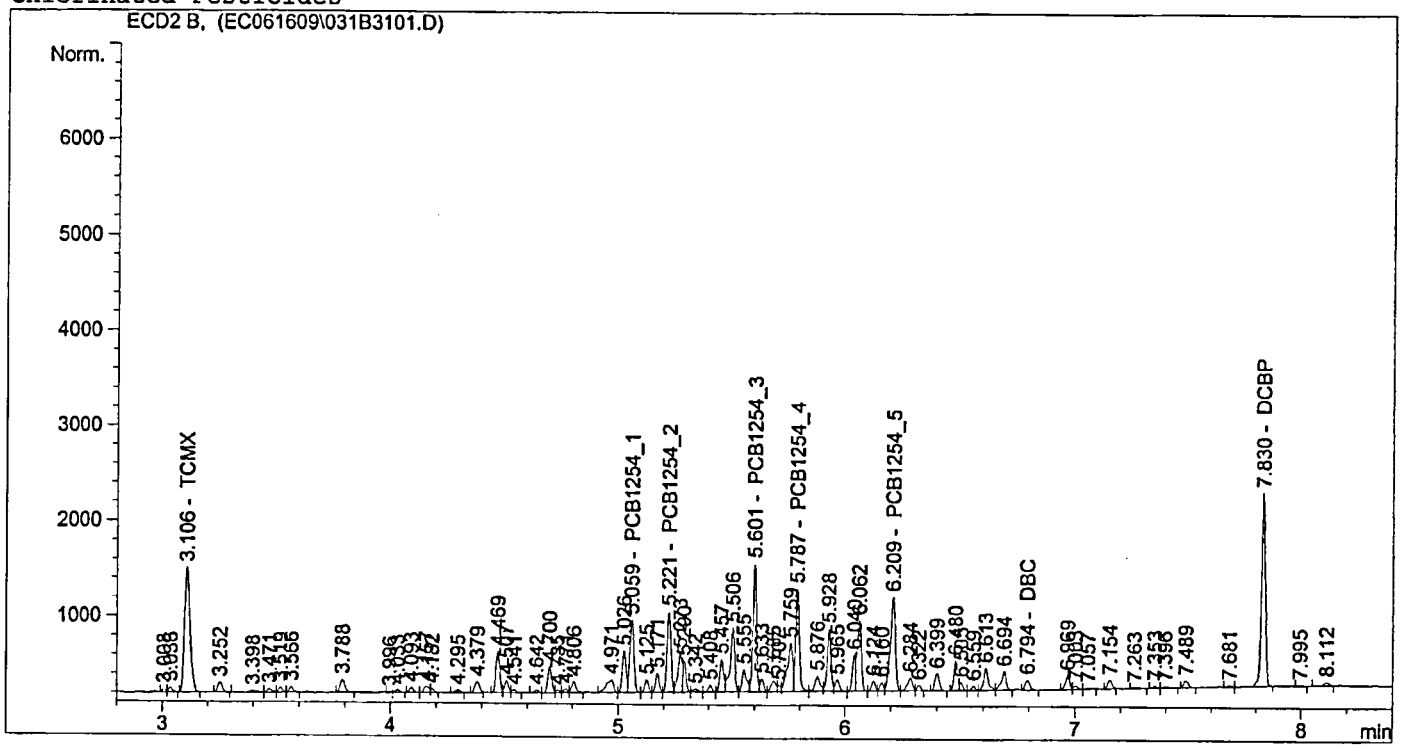
BWS
6.17.09

Totals : 2638.70584

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:07:20 PM          Seq. Line :  31
Sample Name     : A1254 x200 ICAL                Location : Vial 31
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	2193.94385	8.17269e-3	17.93042		TCMX
5.059	VV	926.45355	1.99686e-1	185.00005		PCB1254_1
5.221	VV	987.88354	1.65886e-1	163.87639		PCB1254_2
5.601	VV	1473.57690	1.24126e-1	182.90980		PCB1254_3
5.787	VV	1242.70264	1.49554e-1	185.85086		PCB1254_4
6.209	VV	1477.55640	1.15655e-1	170.88632		PCB1254_5
6.794	VB	145.04182	0.00000	0.00000		DBC
7.830	VB	2369.89722	7.90665e-3	18.73794		DCBP
Totals :				925.19179		

BWS
6.17.09

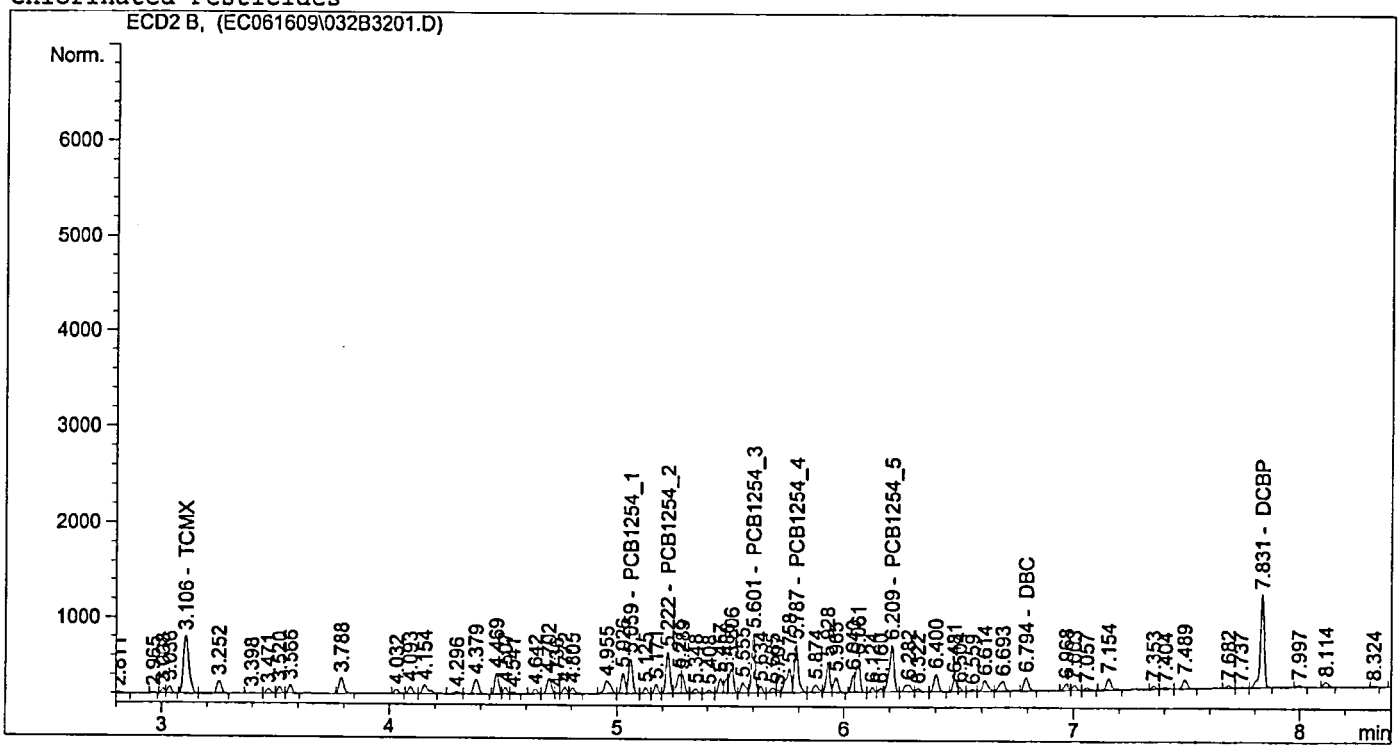
```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

==========

Injection Date : 6/16/2009 9:20:15 PM Seq. Line : 32
Sample Name : A1254 x100 ICAL Location : Vial 32
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	1019.56036	9.54332e-3	9.72999		TCMX
5.059	VV	447.20605	2.13961e-1	95.68457		PCB1254_1
5.222	VV	505.87912	1.51410e-1	76.59535		PCB1254_2
5.601	VV	680.14520	1.40851e-1	95.79905		PCB1254_3
5.787	VV	629.87061	1.61147e-1	101.50173		PCB1254_4
6.209	VV	720.91449	1.18996e-1	85.78568		PCB1254_5
6.794	VB	200.11134	0.00000	0.00000		DBC
7.831	VB	1208.52026	8.81768e-3	10.65635		DCBP

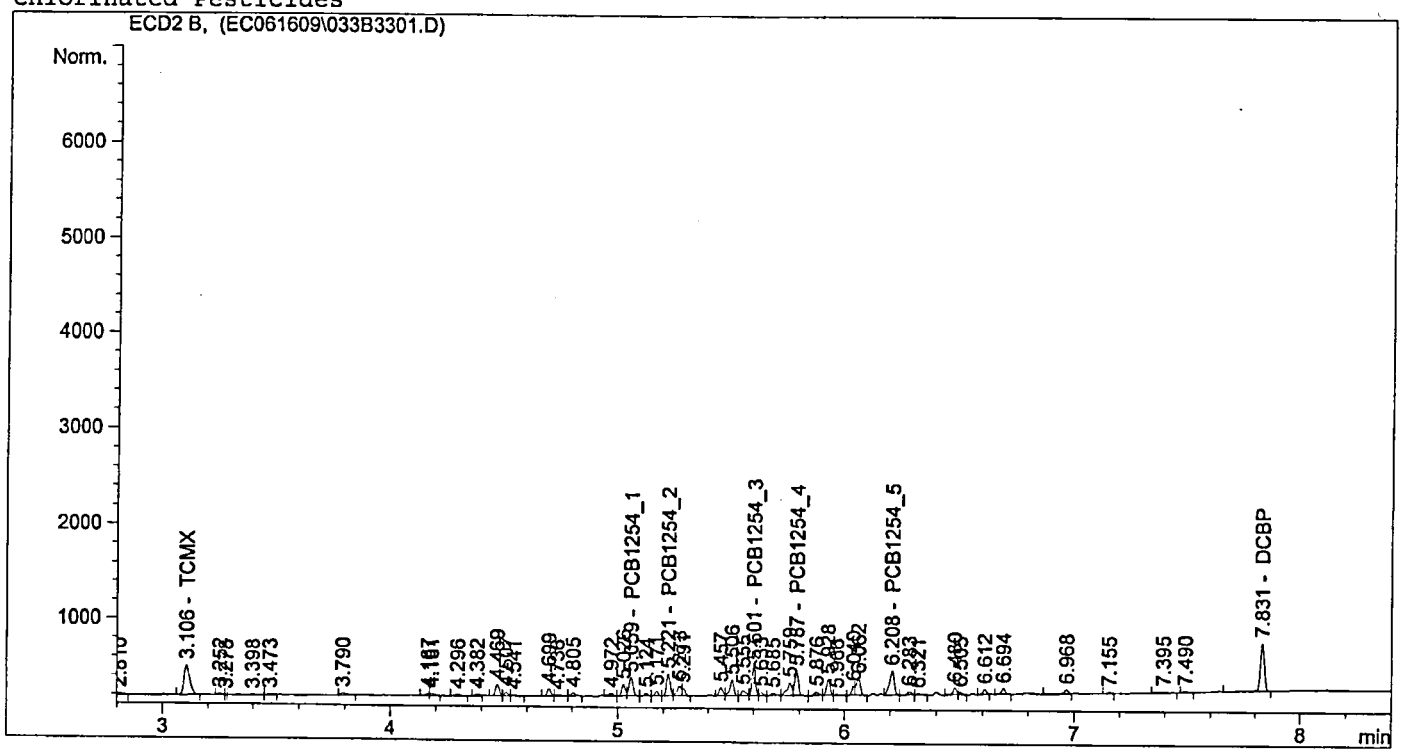
Totals : 475.75272

BWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:33:02 PM          Seq. Line :  33
Sample Name     : A1254 x40 ICAL                 Location : Vial 33
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	514.70605	1.20549e-2	6.20472		TCMX
5.059	VV	229.11891	2.40227e-1	55.04052		PCB1254_1
5.221	VV	249.37901	1.20894e-1	30.14848		PCB1254_2
5.601	VV	330.65857	1.73681e-1	57.42896		PCB1254_3
5.787	VV	261.43622	1.94277e-1	50.79106		PCB1254_4
6.208	VV	341.57239	1.26241e-1	43.12050		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	587.72308	1.07814e-2	6.33645		DCBP

BWS
6-17-09

Totals : 249.07070

Results obtained with enhanced integrator!
2 Warnings or Errors :

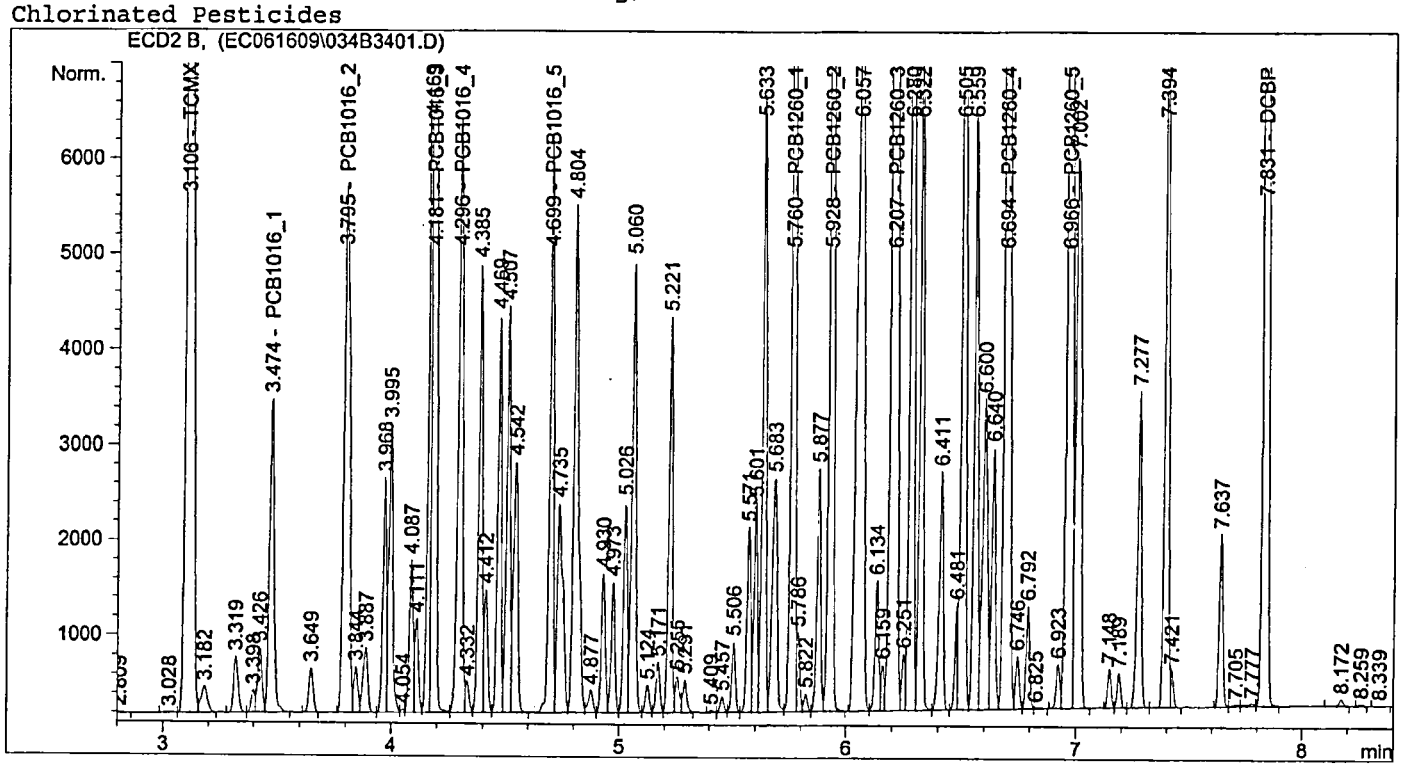
Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 9:46:01 PM Seq. Line : 34
Sample Name : PCB x2000 ICAL Location : Vial 34
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/17/2009 10:06:29 AM by BWS
(modified after loading)

Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:06:27 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

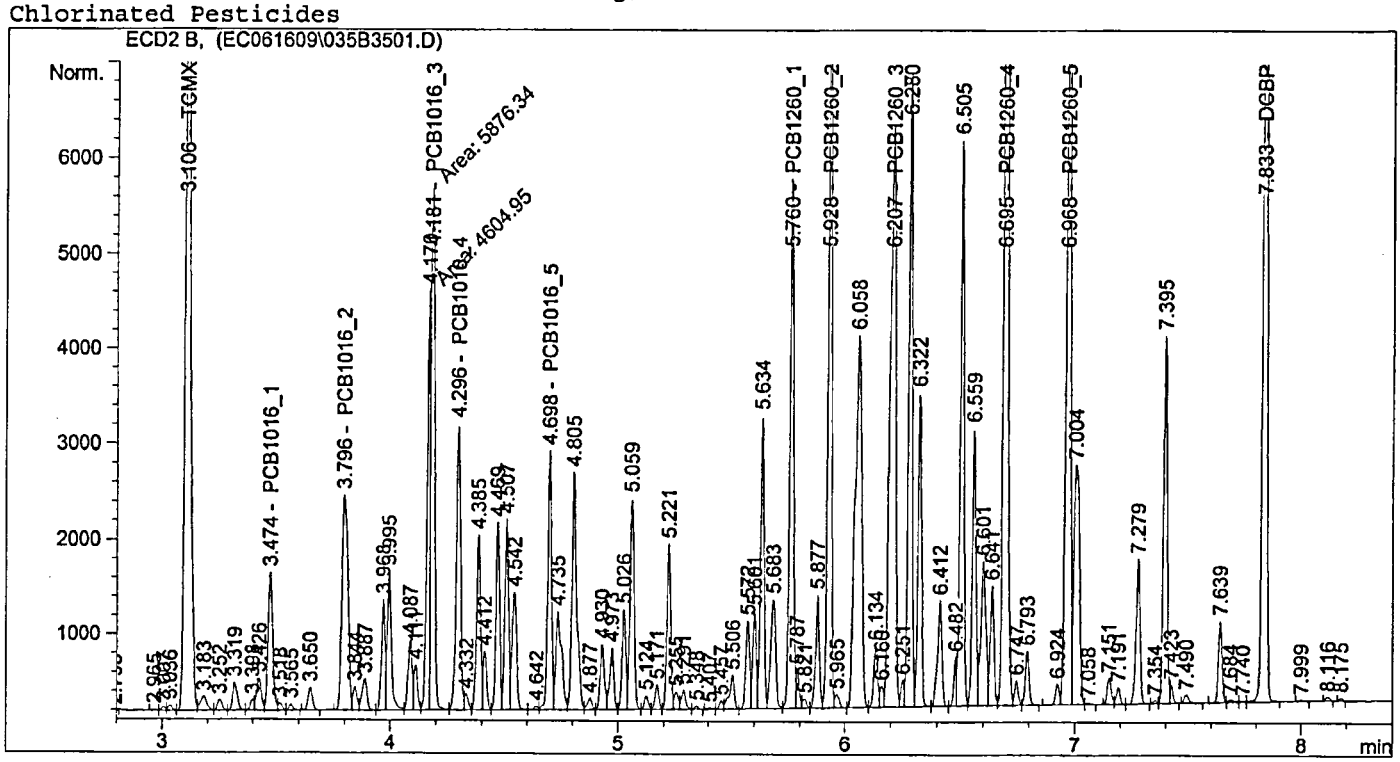
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2.94592e4	6.92505e-3	204.00623		TCMX
3.474	VB	4519.23340	4.43160e-1	2002.74428		PCB1016_1
3.795	PV	9469.86719	2.11388e-1	2001.81475		PCB1016_2
4.181	VV	1.46701e4	1.38396e-1	2030.28167		PCB1016_3
4.296	VV	8460.35547	2.38305e-1	2016.14481		PCB1016_4
4.699	VV	6825.10742	2.95084e-1	2013.97708		PCB1016_5
5.760	VV	1.36293e4	1.47790e-1	2014.27611		PCB1260_1
5.928	VB	1.90835e4	1.07837e-1	2057.90603		PCB1260_2
6.207	VV	2.42130e4	8.41678e-2	2037.95609		PCB1260_3
6.694	VV	3.69854e4	5.59014e-2	2067.53221		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	2.38040e4	8.64581e-2	2058.04726		PCB1260_5
7.831	VB	2.91817e4	6.17971e-3	180.33454		DCBP

BWS
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\035B3501.D

```
==================================================================
Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  35
Sample Name     : PCB x1000 ICAL                 Location : Vial 35
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:07:22 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

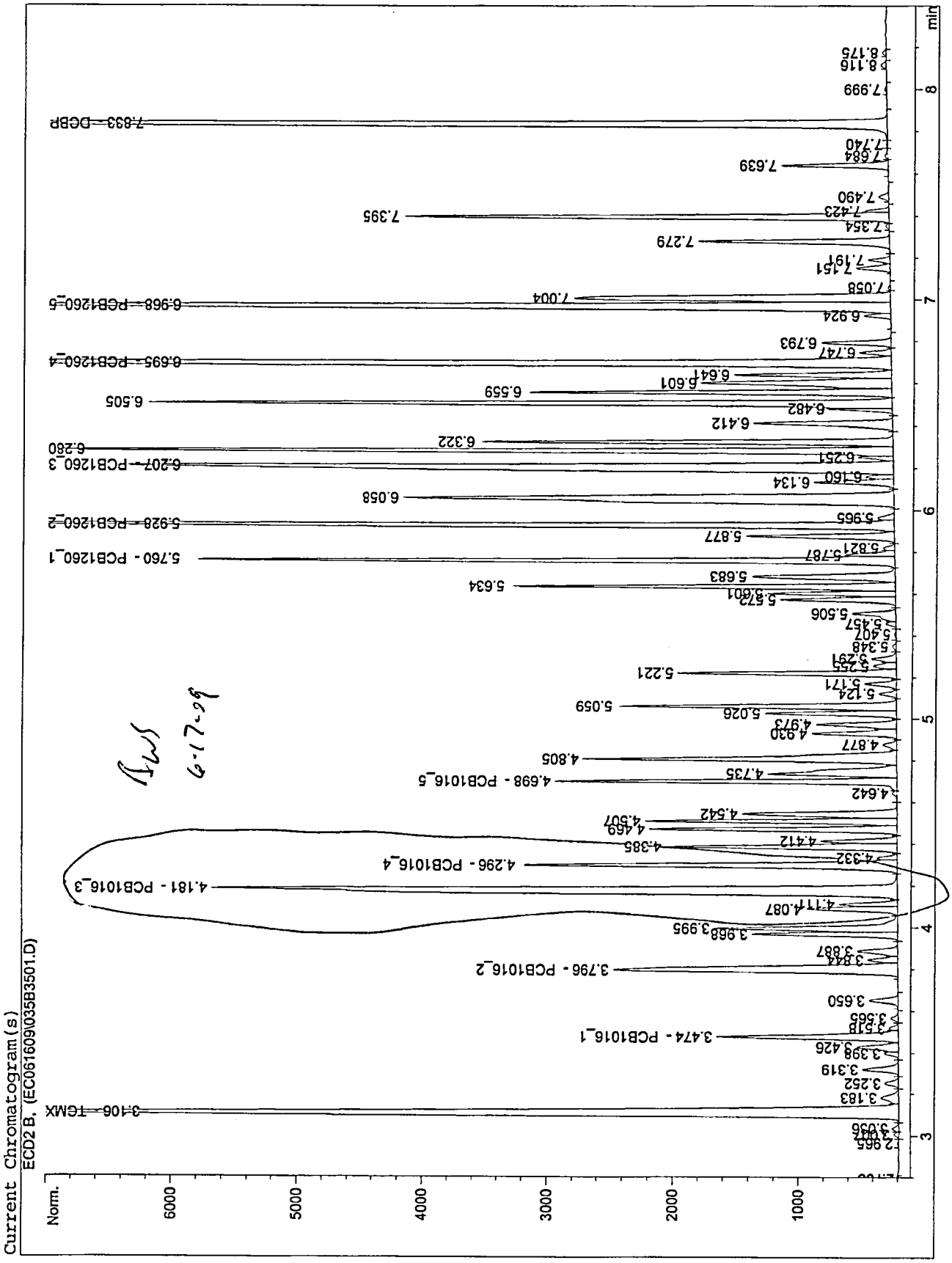
Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:07:17 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1.36287e4	7.07647e-3	96.44283		TCMX
3.474	VV	2033.76917	4.53075e-1	921.44899		PCB1016_1
3.796	VV	4170.35840	2.17441e-1	906.80535		PCB1016_2
4.181	FM	5876.34326	1.46526e-1	861.03867		PCB1016_3
4.296	VV	4022.45117	2.41745e-1	972.40734		PCB1016_4
4.698	VV	3104.98975	3.02309e-1	938.66590		PCB1016_5
5.760	VV	6291.23389	1.50335e-1	945.79497		PCB1260_1
5.928	VV	9044.02246	1.08669e-1	982.80589		PCB1260_2
6.207	VV	1.06166e4	8.69772e-2	923.40447		PCB1260_3
6.695	VV	1.70676e4	5.68041e-2	969.51015		PCB1260_4
6.891		-	-	-		DBC
6.968	VV	1.11218e4	8.76728e-2	975.08050		PCB1260_5
7.833	VB	1.36456e4	6.60789e-3	90.16844		DCBP

BWS
6.17.09

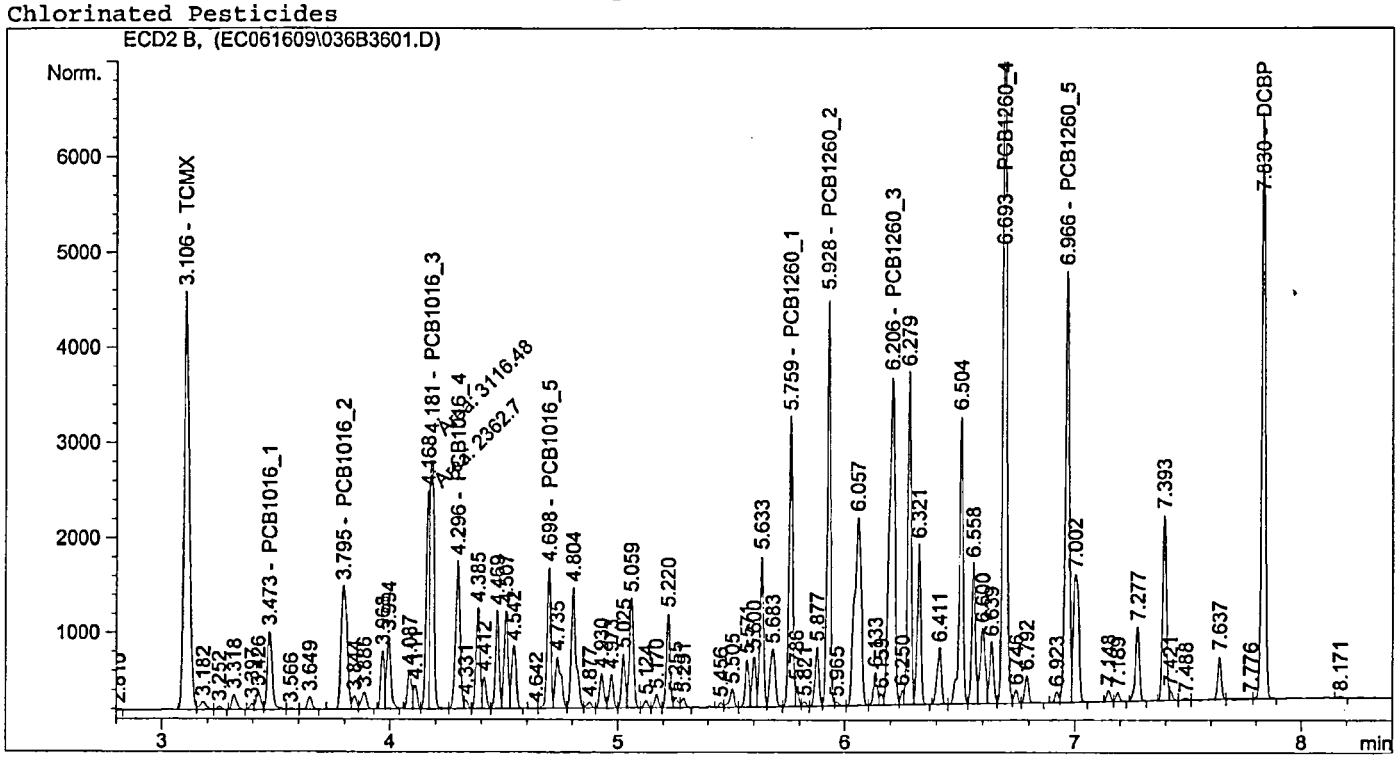
ECD2 6/17/2009 10:07:22 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\035B3501.D)
Norm.
6000
5000
4000
3000
2000
1000
min
3
4
5
6
7
8
3.106 - TGMX
3.474 - PCB1016_1
3.796 - PCB1016_2
4.181 - PCB1016_3
4.296 - PCB1016_4
4.698 - PCB1016_5
5.760 - PCB1260_1
5.928 - PCB1260_2
6.207 - PCB1260_3
6.695 - PCB1260_4
6.968 - PCB1260_5
7.833 - DCBP
6.17-09

Data File C:\HPCHEM\1\DATA\EC061609\036B3601.D

```
==================================================================
Injection Date  : 6/16/2009 10:11:44 PM          Seq. Line :  36
Sample Name     : PCB x500 ICAL                   Location : Vial 36
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:08:05 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:08:02 AM
Multiplier : 1.0000
Dilution : 1.0000

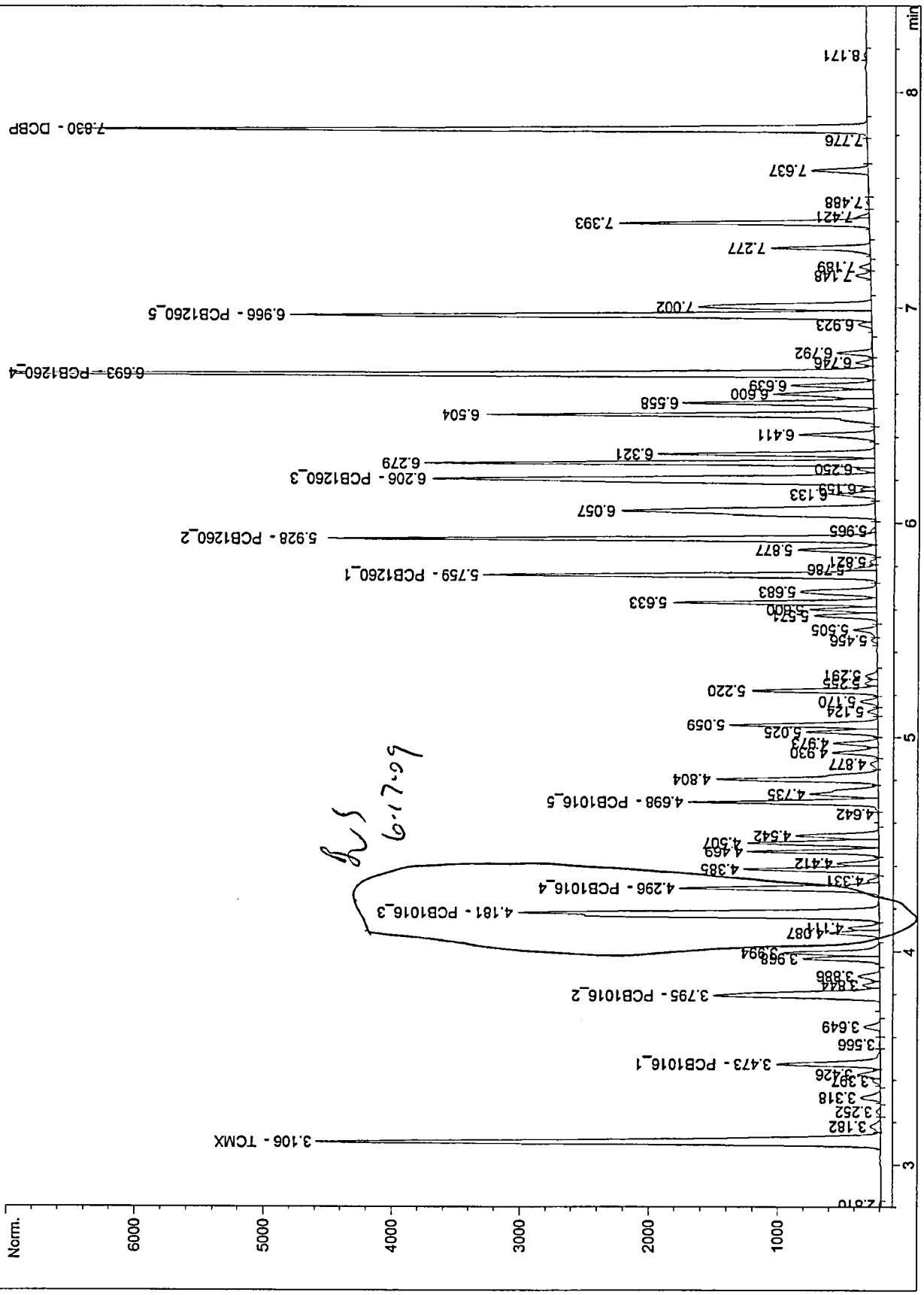
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	7003.94629	7.20672e-3	50.47550		TCMX
3.473	VV	1173.99915	4.48251e-1	526.24666		PCB1016_1
3.795	BV	2337.43018	2.17472e-1	508.32606		PCB1016_2
4.181	FM	3116.47534	1.53470e-1	478.28481		PCB1016_3
4.296	VV	2094.15796	2.42120e-1	507.03773		PCB1016_4
4.698	VV	1677.99841	3.03838e-1	509.83950		PCB1016_5
5.759	VV	3357.37085	1.51005e-1	506.97811		PCB1260_1
5.928	VV	4654.07275	1.09539e-1	509.80197		PCB1260_2
6.206	VV	5743.00488	8.85477e-2	508.52996		PCB1260_3
6.693	VV	8792.44434	5.78925e-2	509.01700		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	5652.14844	8.91801e-2	504.05910		PCB1260_5
7.830	VB	6917.99902	6.66835e-3	46.13166		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:08:05 AM BWS

Current Chromatogram(s)
ECD2 B, (EC061609\036B3601.D)

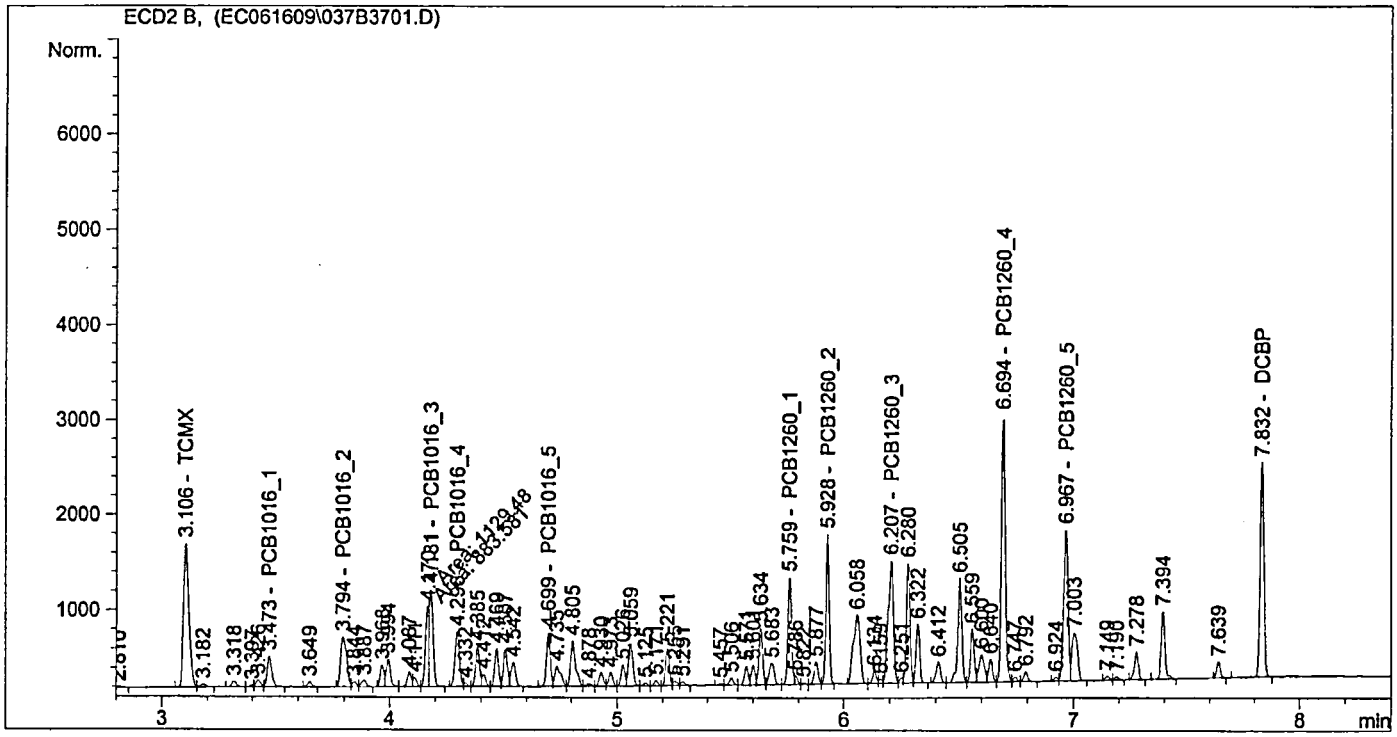


6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\037B3701.D

```
==================================================================
Injection Date  : 6/16/2009 10:24:44 PM          Seq. Line :  37
Sample Name     : PCB x200 ICAL                   Location : Vial 37
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:10:01 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides



==========
External Standard Report
==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:10:00 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

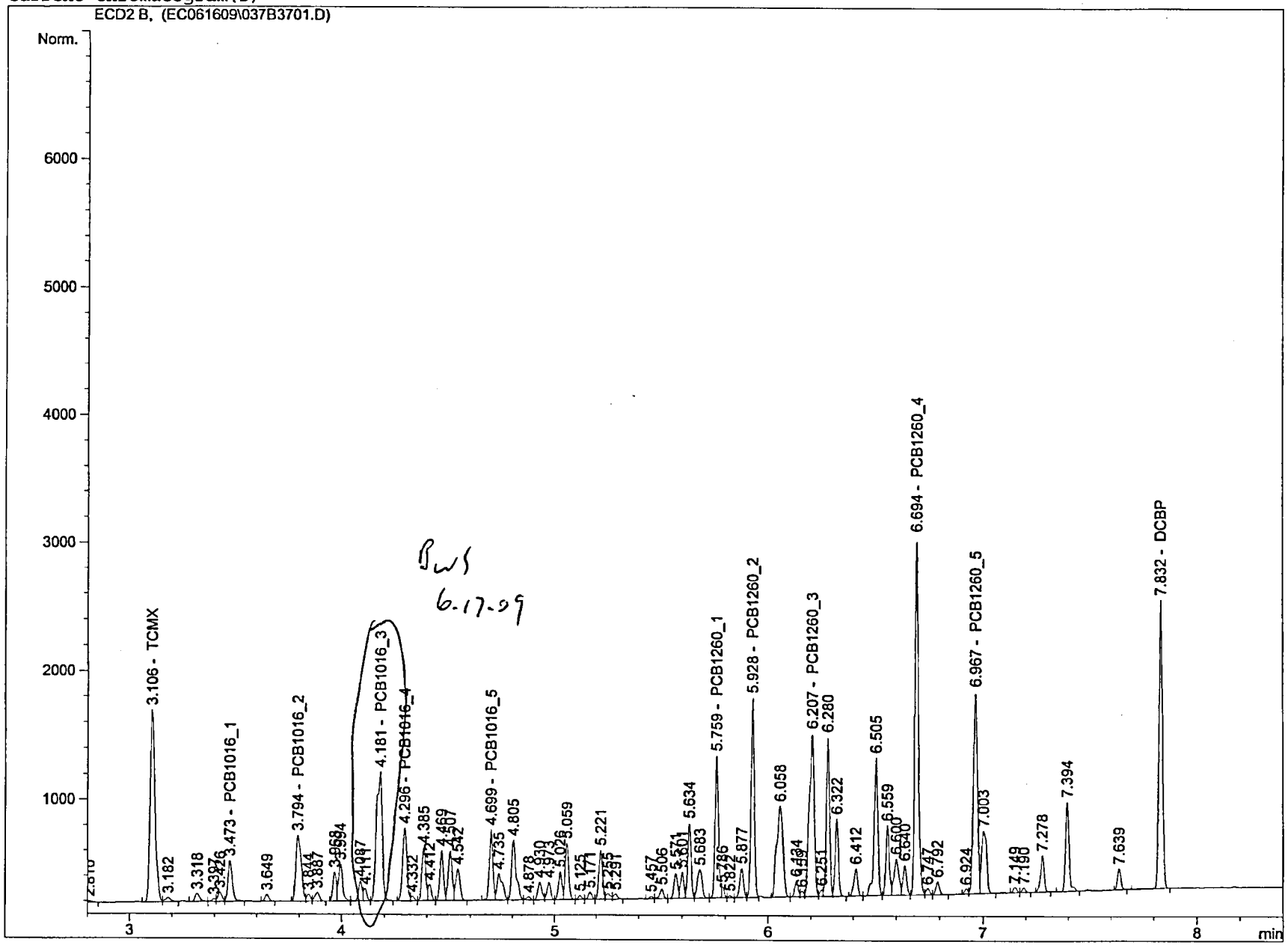
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2459.41650	7.98155e-3	19.62996		TCMX
3.473	VB	459.35840	4.55209e-1	209.10389		PCB1016_1
3.794	BV	925.94446	2.27040e-1	210.22643		PCB1016_2
4.181	FM	1129.47510	1.84501e-1	208.38960		PCB1016_3
4.296	BV	785.00928	2.52392e-1	198.12976		PCB1016_4
4.699	BV	634.24420	3.20572e-1	203.32064		PCB1016_5
5.759	VV	1251.00183	1.59135e-1	199.07828		PCB1260_1
5.928	VV	1690.69934	1.17110e-1	197.99704		PCB1260_2
6.207	VV	2103.30566	9.77195e-2	205.53395		PCB1260_3
6.694	VV	3117.92969	6.42428e-2	200.30467		PCB1260_4
6.891		-	-	-		DBC
6.967	VV	2021.84827	9.79173e-2	197.97387		PCB1260_5
7.832	BB	2527.29541	7.09127e-3	17.92173		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:10:01 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

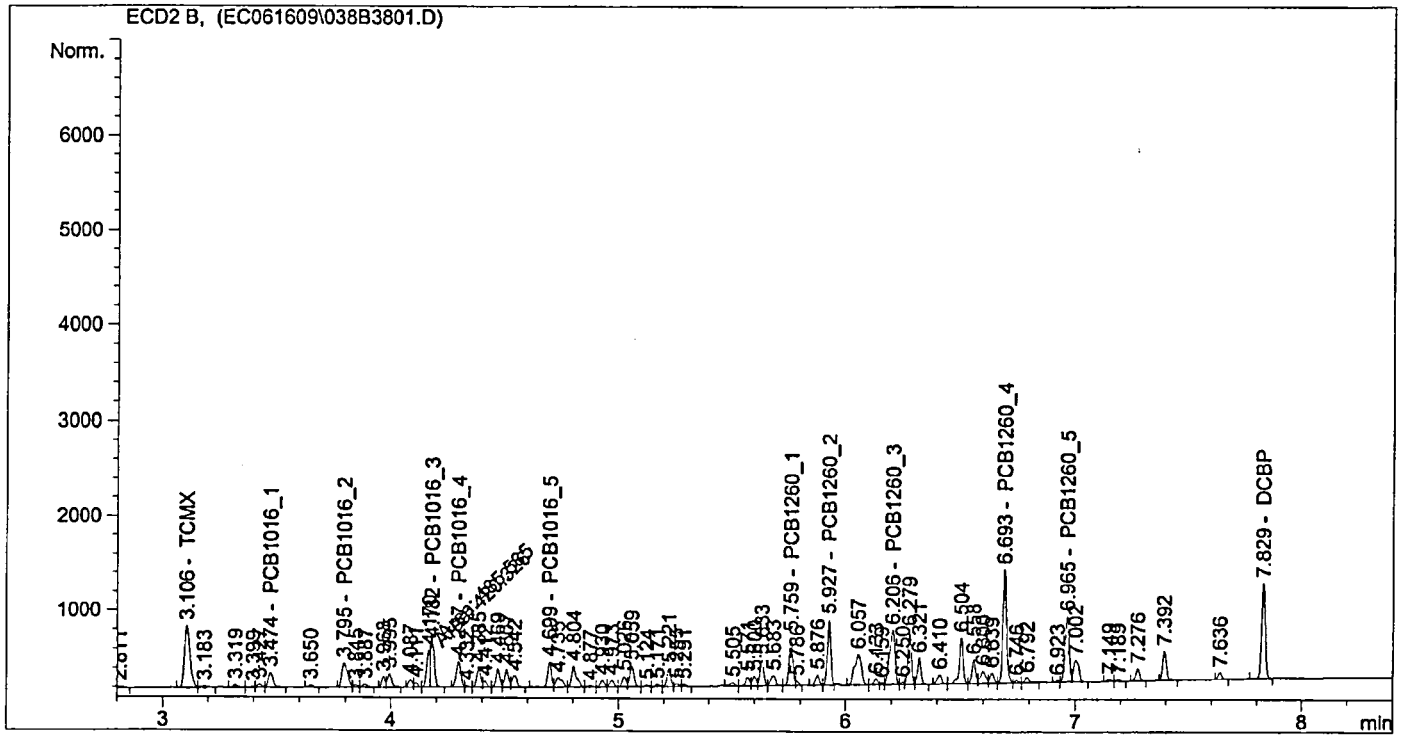


ECD2 6/17/2009 10:08:23 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\038B3801.D

```
==================================================================
Injection Date  : 6/16/2009 10:37:35 PM          Seq. Line :  38
Sample Name     : PCB x100 ICAL                   Location : Vial 38
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:10:50 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:10:48 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1060.00964	9.47053e-3	10.03885		TCMX
3.474	VB	217.42149	4.56579e-1	99.27014		PCB1016_1
3.795	BV	437.29282	2.40067e-1	104.97947		PCB1016_2
4.182	FM	485.58514	2.49460e-1	121.13418		PCB1016_3
4.297	BV	360.85504	2.68497e-1	96.88843		PCB1016_4
4.699	BV	295.44028	3.46344e-1	102.32409		PCB1016_5
5.759	VV	561.53314	1.74475e-1	97.97337		PCB1260_1
5.927	VV	743.89374	1.30403e-1	97.00615		PCB1260_2
6.206	VV	927.62262	1.14883e-1	106.56771		PCB1260_3
6.693	VV	1324.98889	7.63427e-2	101.15317		PCB1260_4
6.891		-	-	-		DBC
6.965	VV	870.44684	1.14817e-1	99.94177		PCB1260_5
7.829	BB	1119.47693	8.34984e-3	9.34745		DCBP

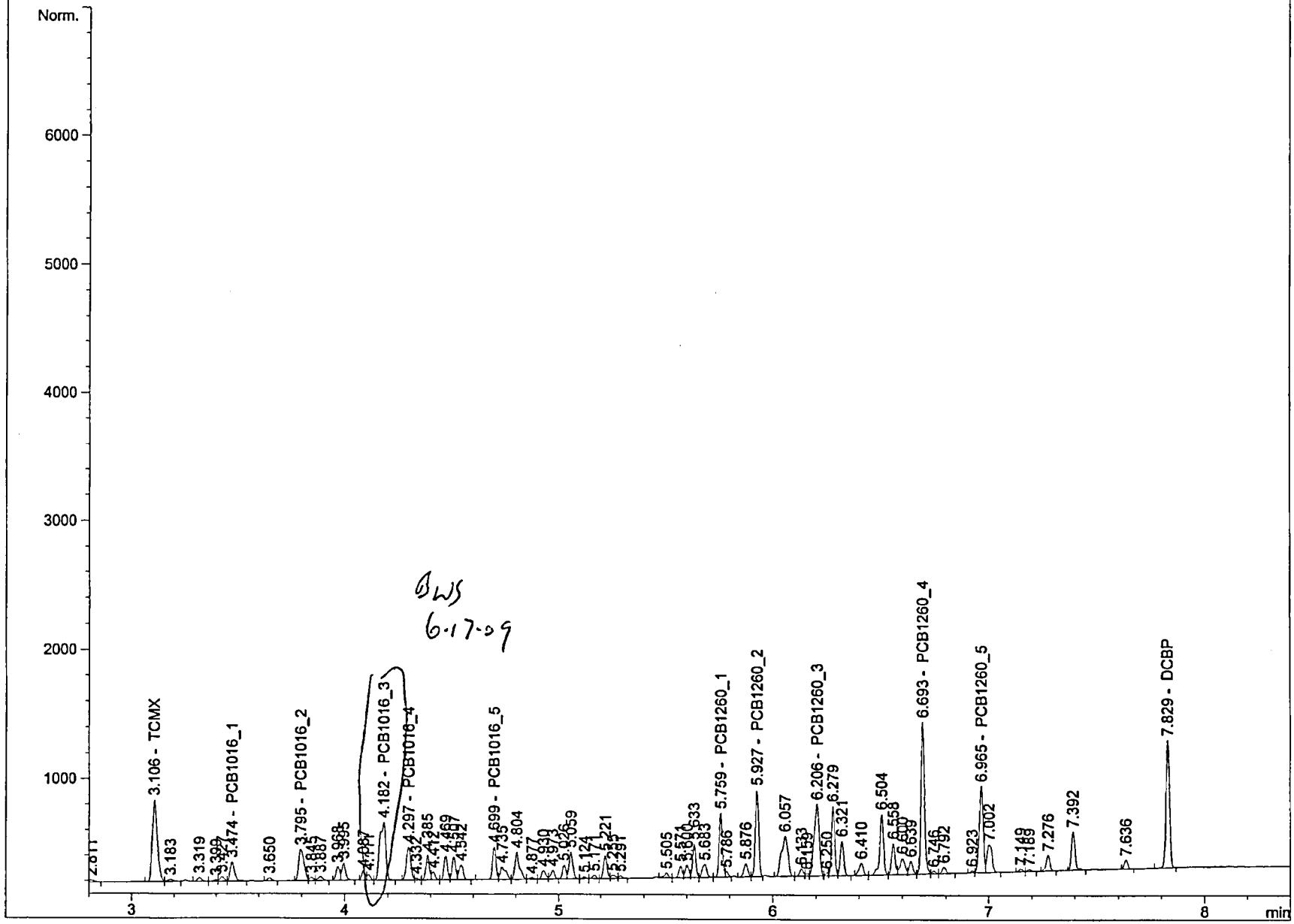
BWS
6.17.09

ECD2 6/17/2009 10:10:50 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

ECD2 B, (EC061609\038B3801.D)

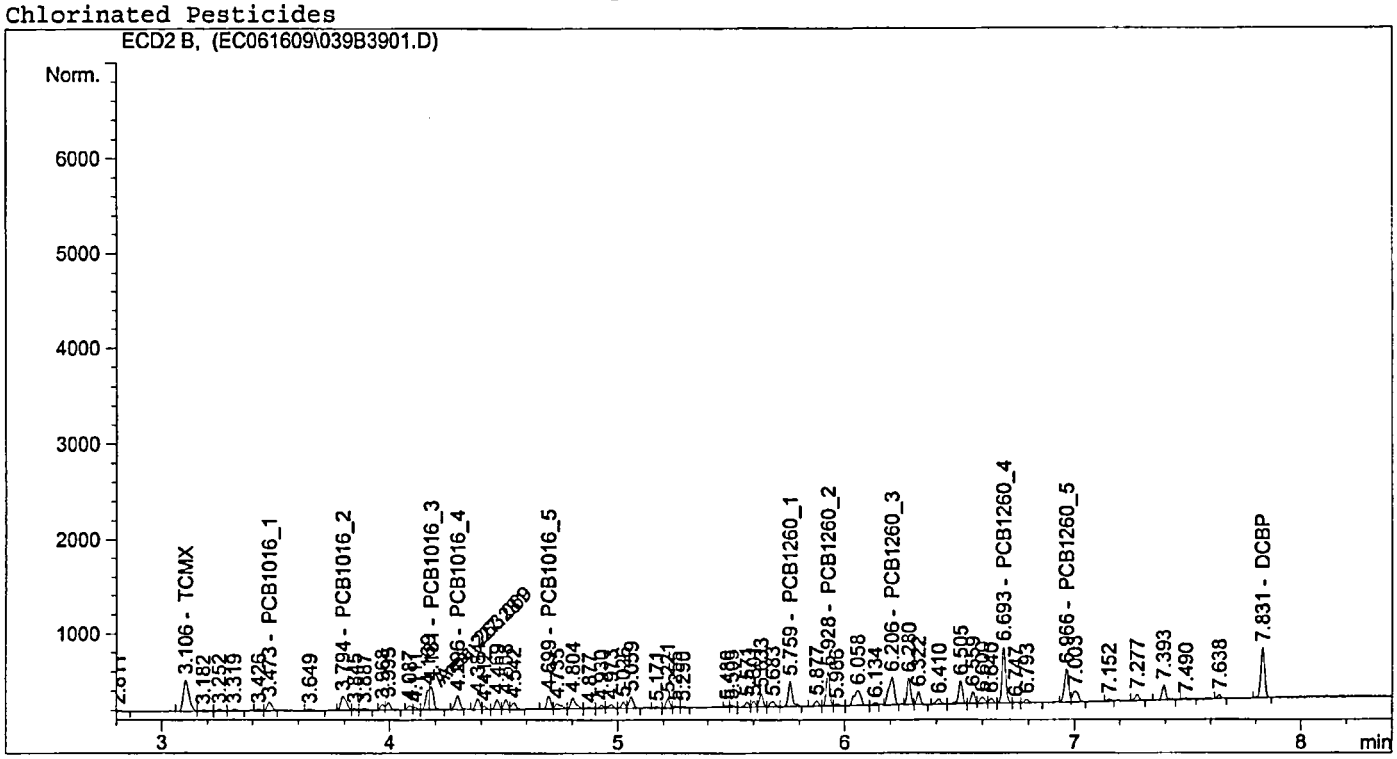


ECD2 6/17/2009 10:10:29 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\039B3901.D

```
==================================================================
Injection Date  : 6/16/2009 10:50:29 PM          Seq. Line :  39
Sample Name     : PCB x40 ICAL                    Location : Vial 39
Acq. Operator   : BWS                                 Inj :   1
                                                 Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:11:41 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides



==========
External Standard Report
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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000

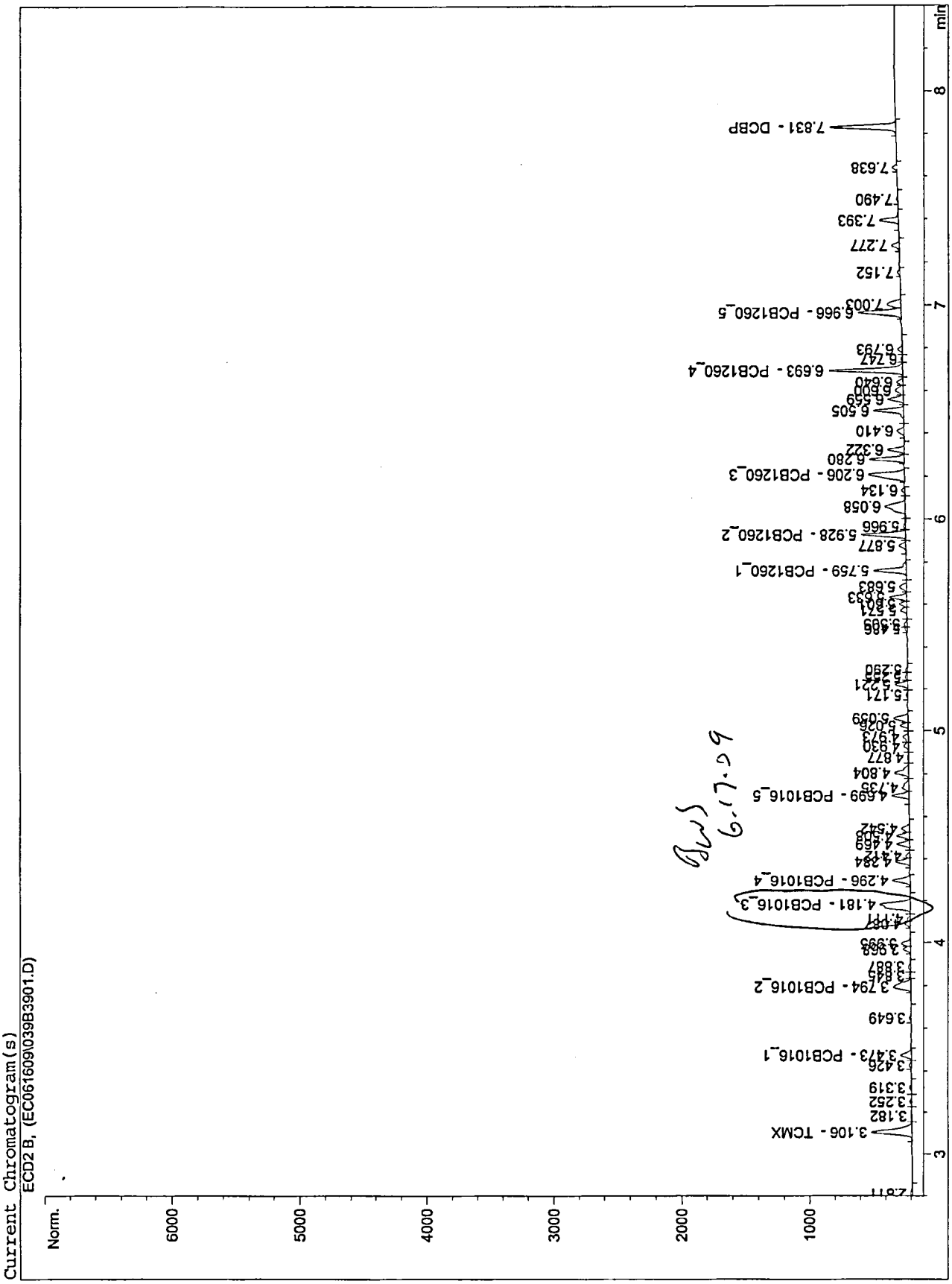
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	548.72662	1.20299e-2	6.60113		TCMX
3.473	VV	121.06745	4.56623e-1	55.28216		PCB1016_1
3.794	BV	251.36978	2.58563e-1	64.99505		PCB1016_2
4.181	FM	263.06857	3.48380e-1	91.64781		PCB1016_3
4.296	BV	195.81090	2.95069e-1	57.77769		PCB1016_4
4.699	VV	160.03806	3.89192e-1	62.28561		PCB1016_5
5.759	VV	317.76819	1.96374e-1	62.40140		PCB1260_1
5.928	VV	382.41440	1.54962e-1	59.25959		PCB1260_2
6.206	VV	472.35635	1.46152e-1	69.03575		PCB1260_3
6.693	VV	666.49261	9.75963e-2	65.04720		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	445.24323	1.44457e-1	64.31850		PCB1260_5
7.831	BB	608.79004	1.07789e-2	6.56211		DCBP

BWS
6-17-09

ECD2 6/17/2009 10:11:41 AM BWS

Current Chromatogram(s)
ECD2 B, (EC061609\039B3901.D)



BWS 6.17.09

8082 CVS Raw Data

PCB Calibration Verification Summary

Sample ID: CVS-1221-1000
Instrument ID: ECD2

Date: 29-Jun-09 09:18
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window From	RT Window To	Concentration	Mean Concentration	%D
Aroclor 1221	1	3.31515	3.28515	3.34515	959.981201	965.2630075	3.47
	2	3.42187	3.39187	3.45187	978.6006015		
	3	3.47004	3.44004	3.50004	957.2072198		
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
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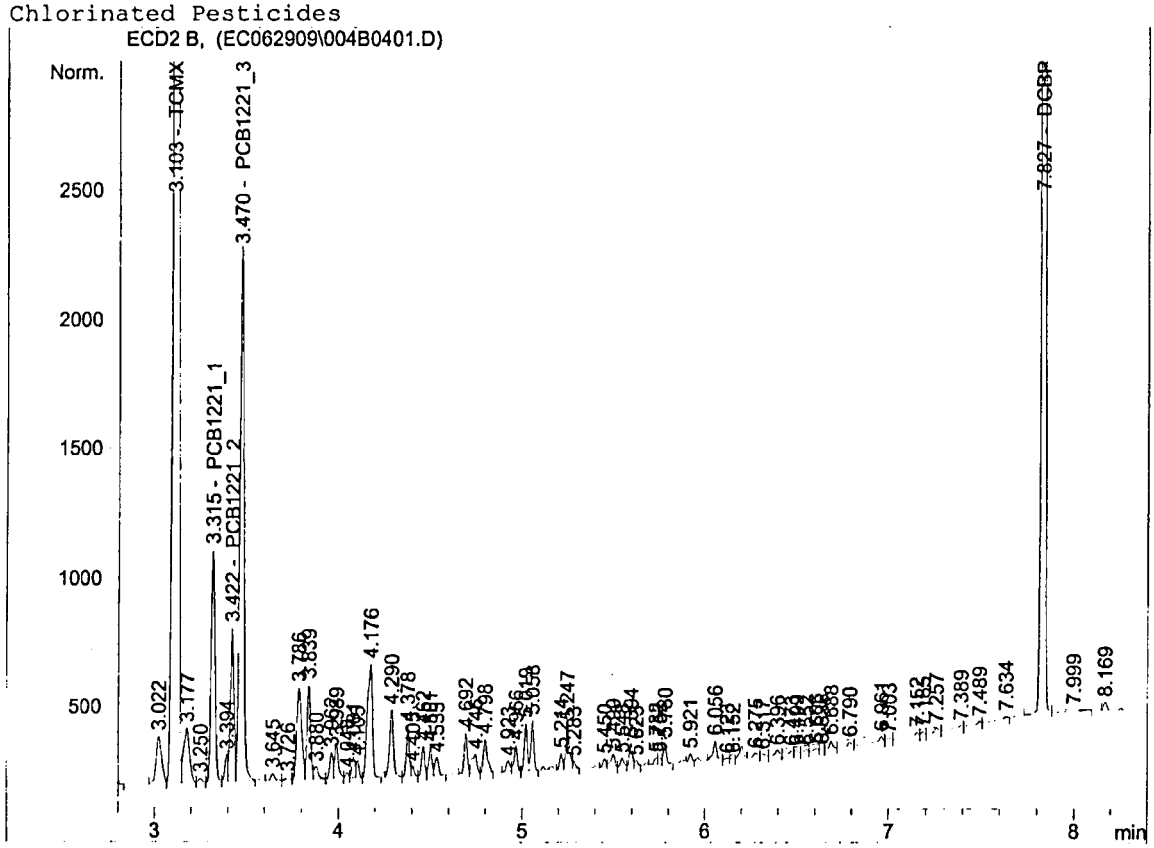
	4						
	5						

```
==================================================================
Injection Date  : 6/29/2009 9:18:14 AM          Seq. Line :   4
Sample Name     : cvs-1221-1000                  Location : Vial 4
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/22/2009 9:37:20 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.103	VV	1.37168e4	6.90540e-3	94.71966		TCMX
3.315	VV	1355.31934	7.08306e-1	959.98120		PCB1221_1
3.422	VV	887.75543	1.10233	978.60060		PCB1221_2
3.470	VV	3237.38794	2.95673e-1	957.20722		PCB1221_3
6.890		-	-	-		DBC
7.827	BB	1.30550e4	6.88228e-3	89.84815		DCBP
Totals :				3080.35683		

BWS
6-29-09

Results obtained with enhanced integrator!

PCB Calibration Verification Summary

Sample ID: CVS-1232-1000
Instrument ID: ECD2

Date: 29-Jun-09 09:31
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1232	1	3.47006	3.44006	3.50006	908.0814606	924.9064884	7.51
	2	3.78998	3.75998	3.81998	906.6190706		
	3	4.17553	4.14553	4.20553	928.7864854		
	4	4.69171	4.66171	4.72171	939.9172528		
	5	5.05863	5.02863	5.08863	941.1281727		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
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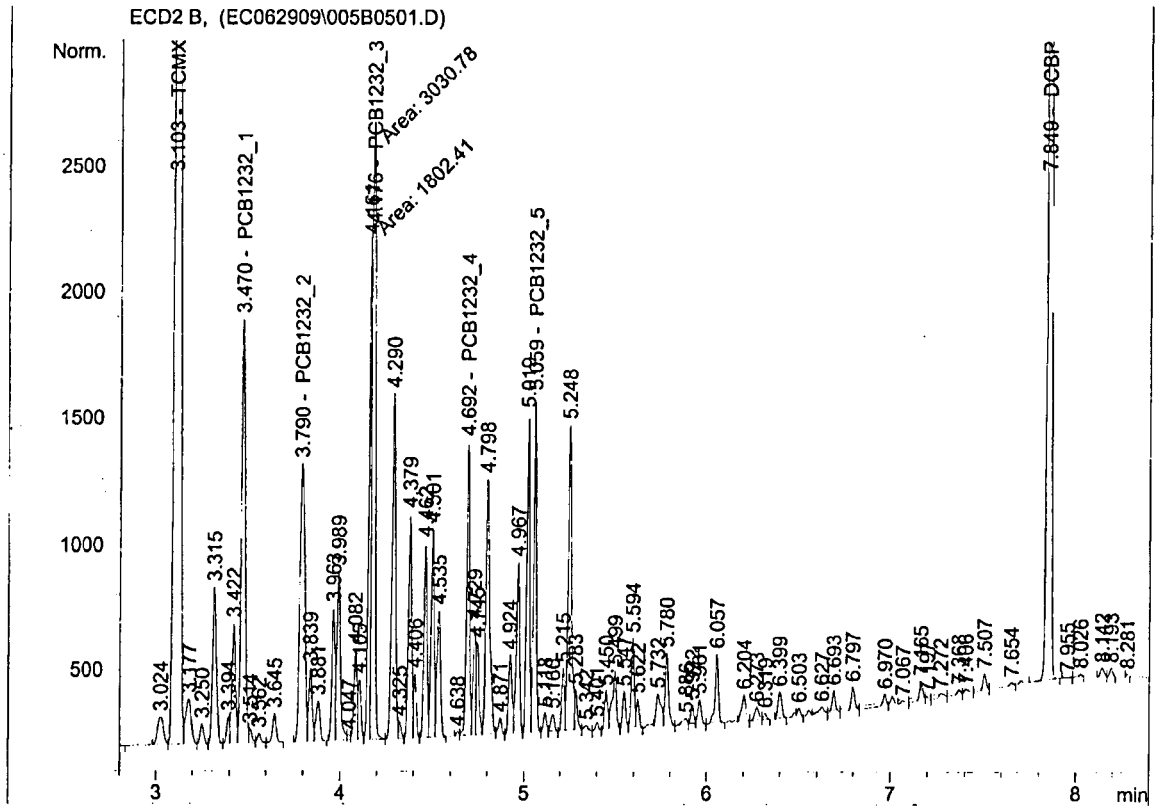
```
==================================================================
Injection Date  : 6/29/2009 9:31:11 AM          Seq. Line :   5
Sample Name     : cvs-1232-1000                  Location : Vial 5
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/22/2009 9:38:06 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.103	VV	1.39554e4	6.81232e-3	95.06850		TCMX
3.470	VV	2569.20874	3.53448e-1	908.08146		PCB1232_1
3.790	VV	2121.03149	4.27443e-1	906.61907		PCB1232_2
4.176	FM	3030.78467	3.06451e-1	928.78649		PCB1232_3
4.692	VV	1334.56006	7.04290e-1	939.91725		PCB1232_4
5.059	VV	1589.50330	5.92089e-1	941.12817		PCB1232_5
6.889		-	-	-		DBC
7.849	BB	1.35211e4	6.82219e-3	92.24370		DCBP
Totals :				4811.84464		

BWS
6-29-09

PCB Calibration Verification Summary

Sample ID: CVS-1242-1000
Instrument ID: ECD2

Date: 29-Jun-09 09:44
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1242	1	3.46969	3.43969	3.49969	982.2383824	1008.991846	-0.899
	2	3.79074	3.76074	3.82074	986.6003864		
	3	4.17538	4.14538	4.20538	1025.803847		
	4	4.69218	4.66218	4.72218	1011.71576		
	5	5.05853	5.02853	5.08853	1038.600856		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
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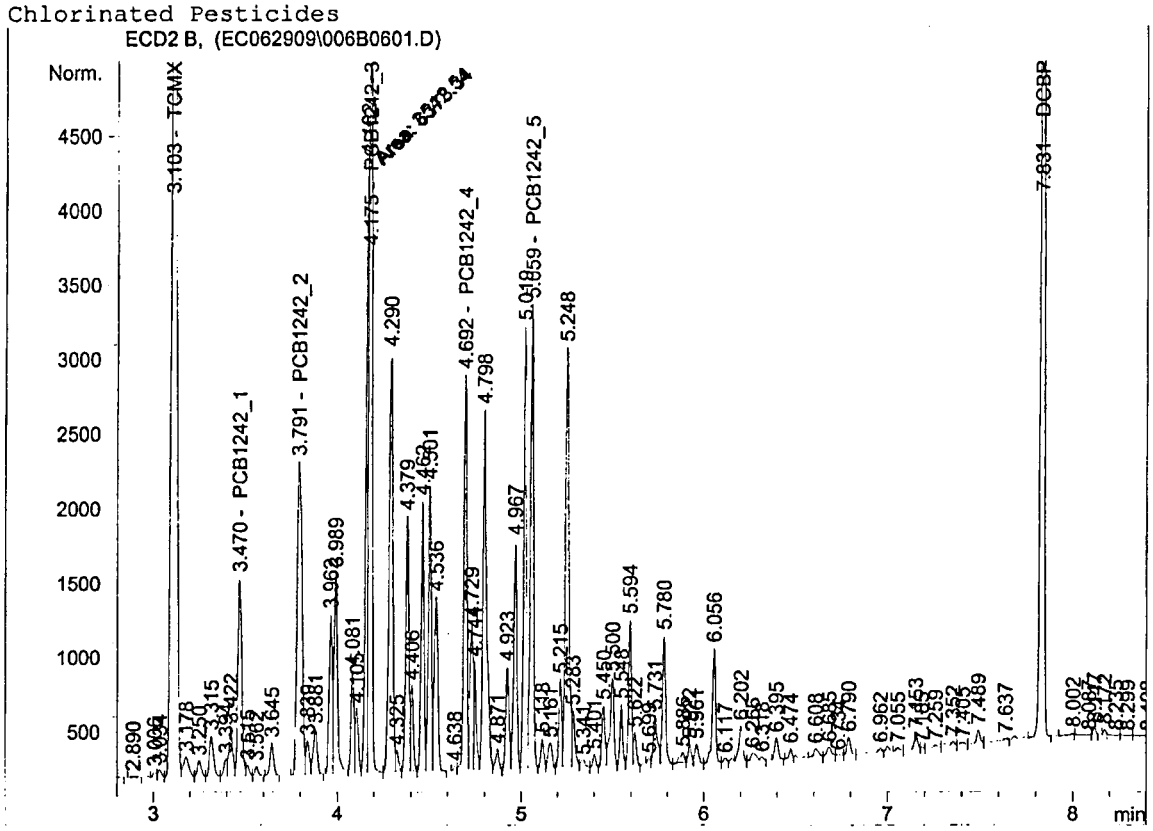
```
==========================================================================
Injection Date  : 6/29/2009 9:44:11 AM          Seq. Line :   6
Sample Name     : cvs-1242-1000                  Location : Vial 6
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/22/2009 9:38:47 AM by BWS
Chlorinated Pesticides
```

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==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.103	VV	1.49400e4	6.96232e-3	104.01722		TCMX
3.470	VV	1956.72754	5.01980e-1	982.23838		PCB1242_1
3.791	VV	3942.24609	2.50264e-1	986.60039		PCB1242_2
4.175	FM	6378.34424	1.60826e-1	1025.80385		PCB1242_3
4.692	VV	2969.81689	3.40666e-1	1011.71576		PCB1242_4
5.059	VV	3682.23413	2.82057e-1	1038.60086		PCB1242_5
6.888		-	-	-		DBC
7.831	VB	1.45948e4	7.01072e-3	102.32015		DCBP

Totals : 5251.29660

BWS
6-29-09

PCB Calibration Verification Summary

Sample ID:	CVS-1248-1000	Date:	29-Jun-09 09:57
Instrument ID:	ECD2	ICAL Reference Date:	6/16/2009
		Column:	Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1248	1	4.46229	4.43229	4.49229	1042.722453	1033.169811	-3.32
	2	4.69161	4.66161	4.72161	1027.656033		
	3	5.05818	5.02818	5.08818	1042.118645		
	4	5.24757	5.21757	5.27757	1034.77094		
	5	5.59368	5.56368	5.62368	1018.580982		
	1						
	2						
	3						
	4						
	5						
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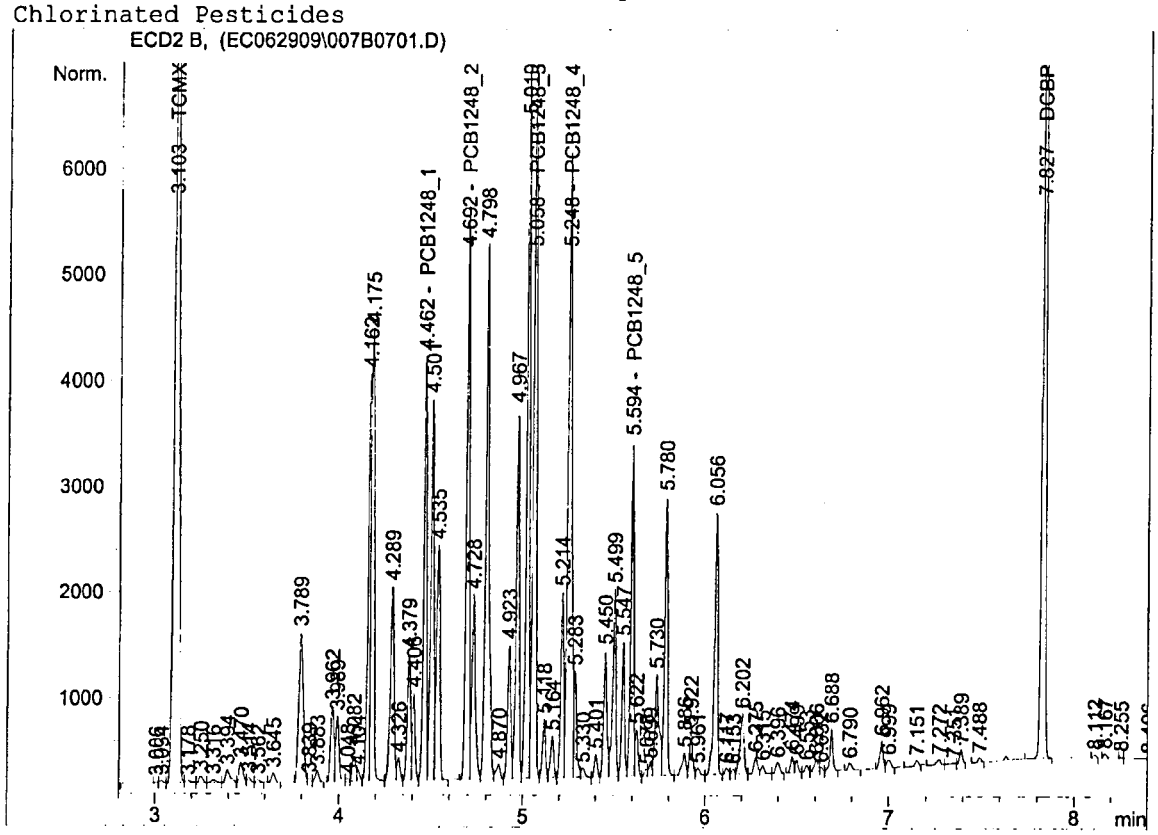
```
==================================================================
Injection Date  : 6/29/2009 9:57:00 AM          Seq. Line :   7
Sample Name     : cvs-1248-1000                  Location : Vial 7
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.103	VV	1.52483e4	6.77037e-3	103.23630		TCMX
4.462	VV	4453.92139	2.34113e-1	1042.72245		PCB1248_1
4.692	VV	5857.10449	1.75455e-1	1027.65603		PCB1248_2
5.058	VV	8658.62012	1.20356e-1	1042.11865		PCB1248_3
5.248	VV	8550.65039	1.21017e-1	1034.77094		PCB1248_4
5.594	VV	3486.56323	2.92145e-1	1018.58098		PCB1248_5
6.887		-	-	-		DBC
7.827	BB	1.47694e4	6.82411e-3	100.78793		DCBP

Totals : 5369.87328

BWS
6-29-09

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 29-Jun-09 10:09
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.05456	5.02456	5.08456	876.9475955	906.5393228	9.35
	2	5.21585	5.18585	5.24585	959.6360286		
	3	5.59563	5.56563	5.62563	883.5175081		
	4	5.78136	5.75136	5.81136	884.3645132		
	5	6.20258	6.17258	6.23258	928.2309687		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
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	3						
	4						
	5						

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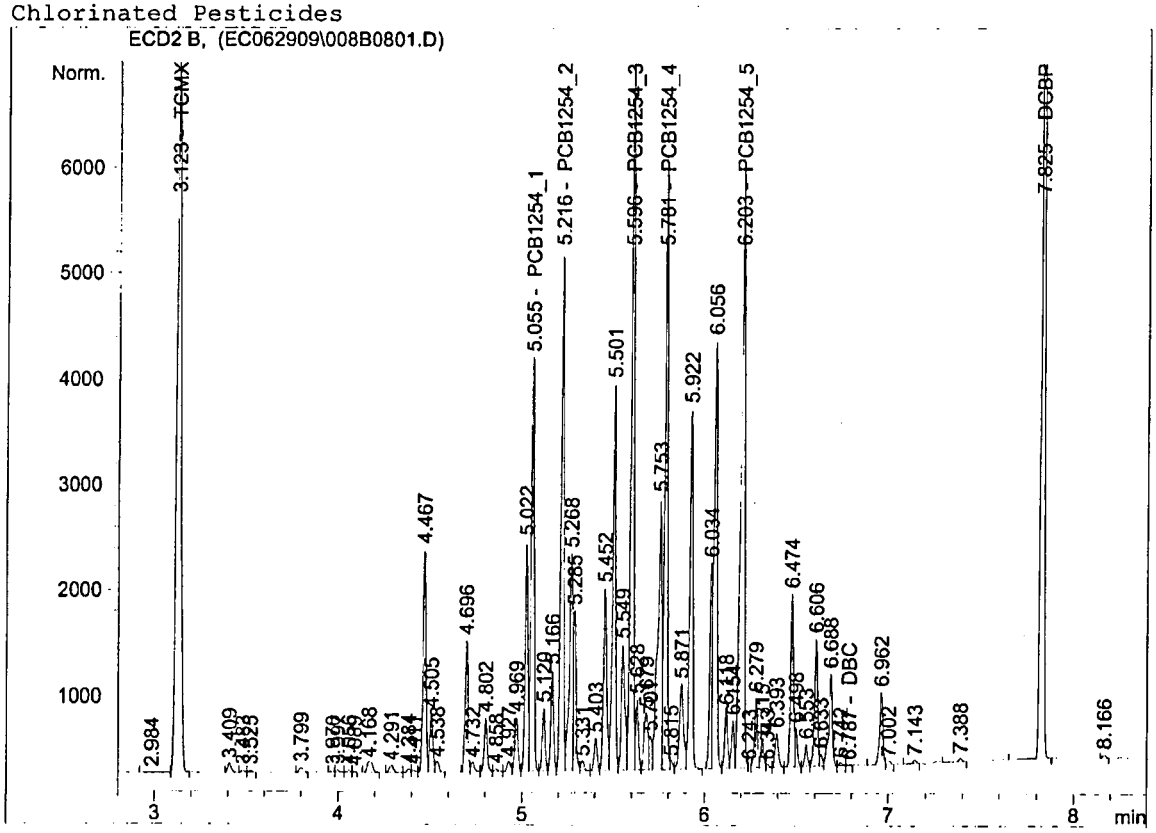
Injection Date : 6/29/2009 10:09:45 AM Seq. Line : 8
Sample Name : cvs-1254-1000 Location : Vial 8
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.123	PB	1.20906e4	7.19868e-3	87.03628		TCMX
5.055	VV	4639.29395	1.89026e-1	876.94760		PCB1254_1
5.216	VV	5382.41943	1.78291e-1	959.63603		PCB1254_2
5.596	VV	7854.92871	1.12479e-1	883.51751		PCB1254_3
5.781	VV	6317.69922	1.39982e-1	884.36451		PCB1254_4
6.203	VV	8211.21484	1.13044e-1	928.23097		PCB1254_5
6.787	VV	12.39118	0.00000	0.00000		DBC
7.825	VB	1.19397e4	7.14680e-3	85.33050		DCBP

Totals : 4705.06339

BWS
6-29-09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 29-Jun-09 10:22
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1016	1	3.48501	3.45501	3.51501	925.9510585	944.5201976	5.55
	2	3.80098	3.77098	3.83098	953.73822		
	3	4.18331	4.15331	4.21331	987.027944		
	4	4.29705	4.26705	4.32705	924.7108999		
	5	4.6966	4.6666	4.7266	931.1728656		
Aroclor 1260	1	5.75414	5.72414	5.78414	955.9062887	941.6137302	5.84
	2	5.92281	5.89281	5.95281	949.9454103		
	3	6.20075	6.17075	6.23075	954.5770048		
	4	6.6876	6.6576	6.7176	931.3769791		
	5	6.95948	6.92948	6.98948	916.262968		
	1						
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	3						
	4						
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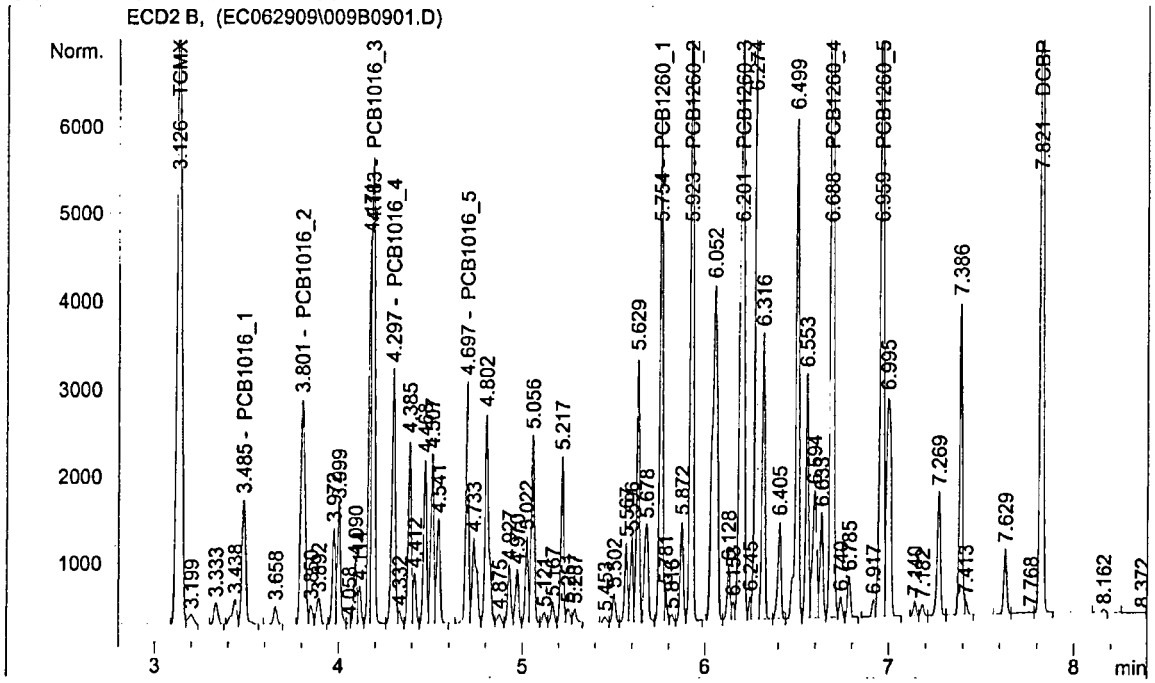
Injection Date : 6/29/2009 10:22:21 AM Seq. Line : 9
Sample Name : cvs-PCB-1000 Location : Vial 9
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.126	PV	1.32332e4	6.98848e-3	92.48013		TCMX
3.485	VB	2056.43481	4.50270e-1	925.95106		PCB1016_1
3.801	BV	4394.69189	2.17020e-1	953.73822		PCB1016_2
4.183	VV	6784.32764	1.45486e-1	987.02794		PCB1016_3
4.297	VV	3854.74194	2.39889e-1	924.71090		PCB1016_4
4.697	VV	3102.27686	3.00158e-1	931.17287		PCB1016_5
5.754	VV	6376.99170	1.49899e-1	955.90629		PCB1260_1
5.923	VB	8895.55273	1.06789e-1	949.94541		PCB1260_2
6.201	VV	1.11331e4	8.57425e-2	954.57700		PCB1260_3
6.688	VV	1.67278e4	5.56785e-2	931.37698		PCB1260_4
6.891		-	-	-		DBC
6.959	VV	1.06180e4	8.62933e-2	916.26297		PCB1260_5
7.821	VB	1.24292e4	7.03758e-3	87.47153		DCBP

Totals : 9610.62130

BWS
6-29-09

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 29-Jun-09 13:30
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window				
Compound	Peak	RT	From	To	Concentration	Mean Concentration	%D
Aroclor 1254	1	5.05428	5.02428	5.08428	892.3796723	922.6232814	7.74
	2	5.21619	5.18619	5.24619	980.1126707		
	3	5.59563	5.56563	5.62563	901.3715476		
	4	5.78139	5.75139	5.81139	898.5786197		
	5	6.20252	6.17252	6.23252	940.6738969		
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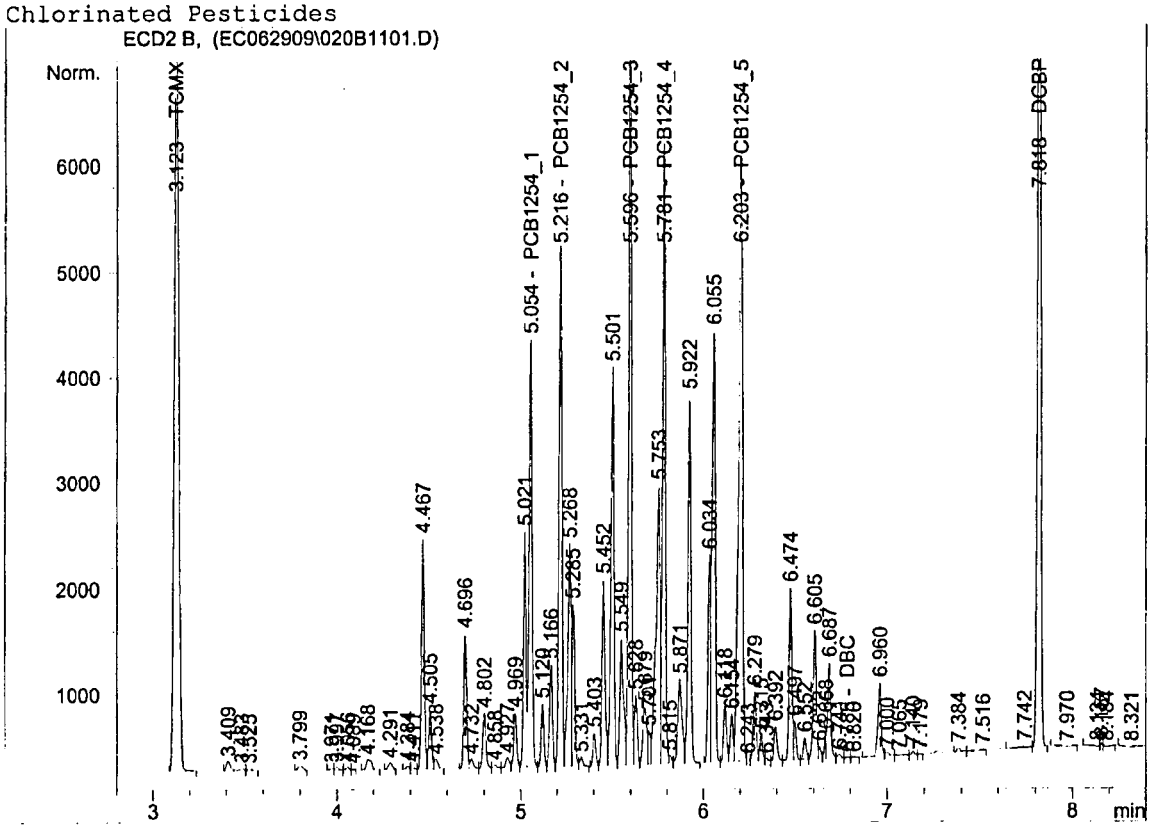
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

```
==================================================================
Injection Date  : 6/29/2009 1:30:04 PM          Seq. Line :  11
Sample Name     : cvs-1254-1000                  Location : Vial 20
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
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Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.123	BB	1.24942e4	7.19170e-3	89.85492		TCMX
5.054	VV	4722.09912	1.88979e-1	892.37967		PCB1254_1
5.216	VV	5495.50049	1.78348e-1	980.11267		PCB1254_2
5.596	VV	8017.54883	1.12425e-1	901.37155		PCB1254_3
5.781	VV	6420.97070	1.39944e-1	898.57862		PCB1254_4
6.203	VV	8321.84668	1.13037e-1	940.67390		PCB1254_5
6.785	VV	11.91363	0.00000	0.00000		DBC
7.818	VB	1.24208e4	7.13951e-3	88.67824		DCBP

BWS
6-29-09

Totals : 4791.64957

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2
Date: 29-Jun-09 13:42
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window From	RT Window To	Concentration	Mean Concentration	%D
Aroclor 1016	1	3.4724	3.4424	3.5024	988.0504023	1005.459227	-0.546
	2	3.7917	3.7617	3.8217	1008.616426		
	3	4.17658	4.14658	4.20658	1065.760093		
	4	4.29083	4.26083	4.32083	981.310885		
	5	4.69246	4.66246	4.72246	983.5583295		
Aroclor 1260	1	5.75257	5.72257	5.78257	997.431587	990.8488407	0.915
	2	5.92132	5.89132	5.95132	986.8517239		
	3	6.20034	6.17034	6.23034	997.3250147		
	4	6.68649	6.65649	6.71649	992.5588799		
	5	6.95803	6.92803	6.98803	980.076998		
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	4						
	5						

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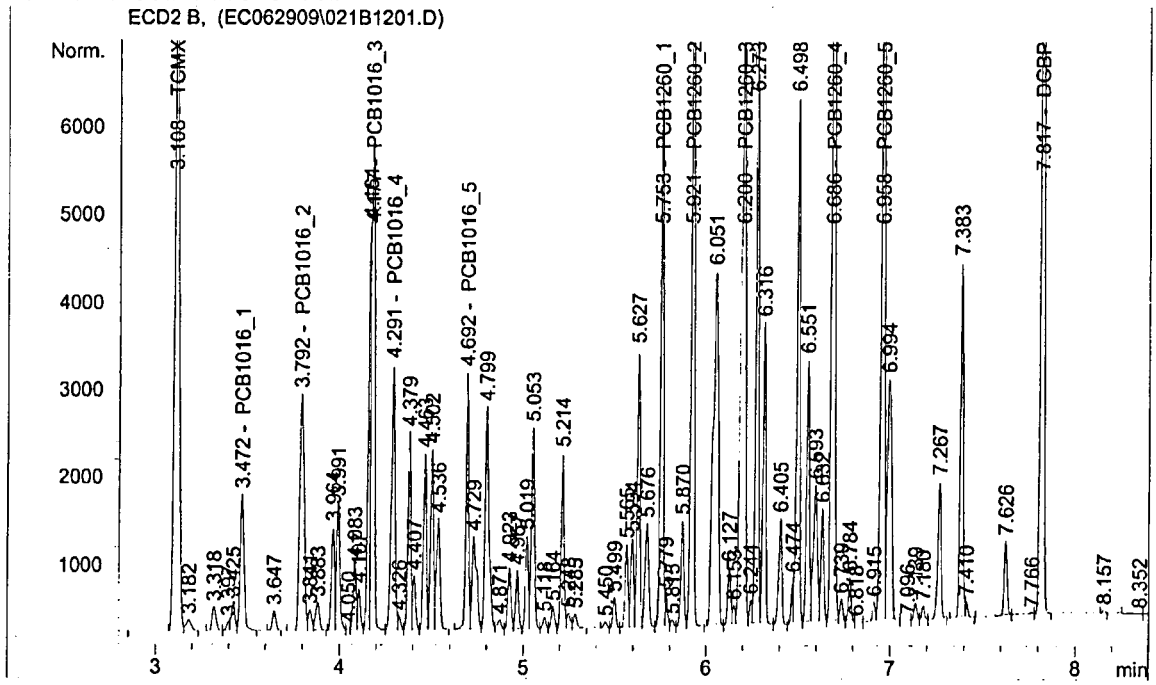
Injection Date : 6/29/2009 1:42:51 PM Seq. Line : 12
Sample Name : cvs-PCB-1000 Location : Vial 21
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.108	BV	1.40528e4	6.97576e-3	98.02882		TCMX
3.472	VB	2194.47241	4.50245e-1	988.05040		PCB1016_1
3.792	BV	4650.53418	2.16882e-1	1008.61643		PCB1016_2
4.177	VV	7357.75195	1.44849e-1	1065.76009		PCB1016_3
4.291	VV	4093.62476	2.39717e-1	981.31089		PCB1016_4
4.692	VV	3279.66528	2.99896e-1	983.55833		PCB1016_5
5.753	VV	6658.59180	1.49796e-1	997.43159		PCB1260_1
5.921	VB	9248.30176	1.06706e-1	986.85172		PCB1260_2
6.200	VV	1.16477e4	8.56242e-2	997.32501		PCB1260_3
6.686	VV	1.78621e4	5.55680e-2	992.55888		PCB1260_4
6.891		-	-	-		DBC
6.958	VV	1.13800e4	8.61229e-2	980.07700		PCB1260_5
7.817	VB	1.39679e4	7.01635e-3	98.00402		DCBP

Totals : 1.01776e4

BWS
6-29-09

8082 QC, Blanks Raw Data

Paradigm Analytical Laboratories, INC.

4C

8082 METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB14523

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: PB14523 Extraction: (Type) 3541

Matrix: (soil/water) SOIL Date Extracted: 2009-06-26

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID
01	GYD-CS-08	G368-69-2B
02	GYD-CS-09	G368-69-3B
03		
04		
05		
06		
07		
08		
09		
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32		
33		

COMMENTS:

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB14523
Lab Project ID:
Initial Wt/Vol: 32.0 g
Final Volume: 10 mL
ColumnID: STX-CLPest

Analyzed By: BWS
Date Collected:
Date Received:
Date Extracted: 6/26/2009
Matrix: SOIL
%SOLIDS: 100.0
Report Basis: Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	31.2	1.78	1	06/29/09	
Aroclor-1221	BQL	31.2	7.78	1	06/29/09	
Aroclor-1232	BQL	31.2	4.31	1	06/29/09	
Aroclor-1242	BQL	31.2	2.85	1	06/29/09	
Aroclor-1248	BQL	31.2	1.39	1	06/29/09	
Aroclor-1254	BQL	31.2	9.22	1	06/29/09	
Aroclor-1260	BQL	31.2	2.58	1	06/29/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	88.4	88.4
DCBP	100	89.9	89.9

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

QC Results for PCBs
by EPA 8082

Client Sample ID: Batch QC
Lab Sample ID: G1053-2-8B
MS Lab ID: G1053-2-8C
MSD Lab ID: G1053-2-8D

Analyzed By: BWS
Matrix: SOIL
Solids: 83.98

Matrix Spike / Matrix Spike Duplicate Summary Results

Analyte	Sample ug/KG	Spiked ug/KG	MS ug/KG	%REC (Limit 40.8-116)	Spiked ug/KG	MSD ug/KG	%REC (Limit 40.8-116)	RPD (Limit 24.7)
Aroclor-1254	BQL	343	304	88.6	377	356	94.4	6.34

Surrogate Standards	Spike Added	Result ug/L	REC %		Result ug/L	REC %	Limits
TCMX	100	81.2	81.2		88.3	88.3	40 - 120
DCBP	100	82	82		90.2	90	40 - 120

Sample Preparation and Analysis Summary

Sample Analysis Date/Time: 6/29/09 13:55
Batch/Filename: 022B1301.D 022B1301.D
MS Analysis Date/Time: 6/29/09 14:08
MS Batch/Filename: EC062909 023B1401.D
MSD Analysis Date/Time: 6/29/09 14:21
MSD Batch/Filename: EC062909 024B1501.D

Prep Batch ID: 14523
Extraction Date: 06/26/09
Prep method: 3541
Sample Initial Amount: 32.04 G
MS Initial Amount: 34.73 G
MSD Initial Amount: 31.61 G
Final Extract Volume: 10.0 ML

Laboratory Control Spike Summary Results

Analyte	Spiked ug/KG	Result ug/KG	REC %	Limits Lower	Limits Upper
Aroclor-1254	313	320	102	75	107

Surrogate Standards	Spike Added	Result ug/L	REC %	Limits Lower	Limits Upper
TCMX	100	89.8	89.8	40	120
DCBP	100	92.7	92.7	40	120

Preparation and Analysis Summary

LCS Labid: LCS14523
LCS Analyst: BWS
Analysis Date/Time: 6/29/09 11:34
Filename: 011B0201.D
Analytical Batch: EC062909

Prep Batch ID: 14523
Extraction Date: 06/26/09
Prep method: 3541
Initial Weight / Volume: 32.0 G
Final Extract Volume: 10.0 ML

Comments:

= Outside Control Limits

Reviewed by: MW

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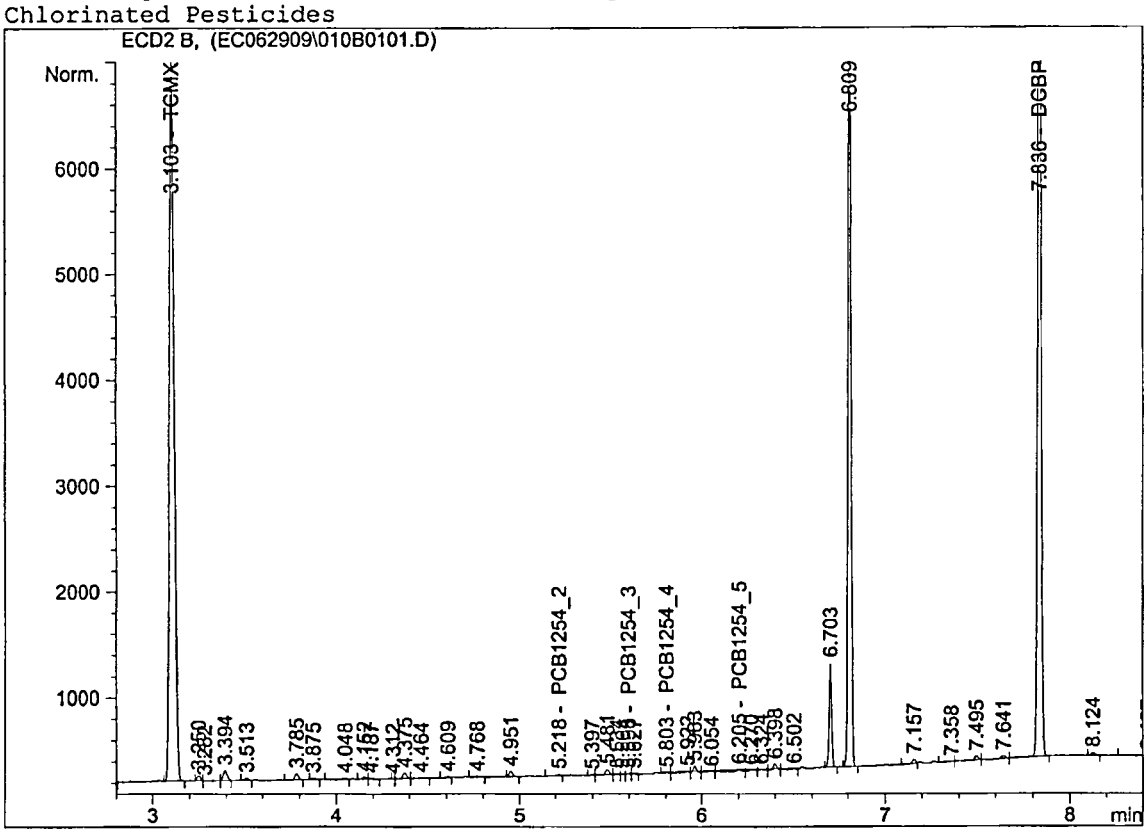
==================================================================
Injection Date  : 6/29/2009 11:21:15 AM          Seq. Line :   1
Sample Name     : PB14523 x1                      Location : Vial 10
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:45:10 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
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Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.103	VB	1.22869e4	7.19523e-3	88.40705		TCMX
5.059		-	-	-		PCB1254_1
5.218	BV	10.40551	0.00000	0.00000		PCB1254_2
5.596	VV N	12.32071	1.82446	22.47869		PCB1254_3
5.803	VV N	23.52012	7.67203e-1	18.04471		PCB1254_4
6.205	VV N	99.91751	1.59544e-1	15.94122		PCB1254_5
6.794		-	-	-		DBC
7.836	VB	1.25931e4	7.13704e-3	89.87737		DCBP

Totals : 234.74904

BWS 6.29.09

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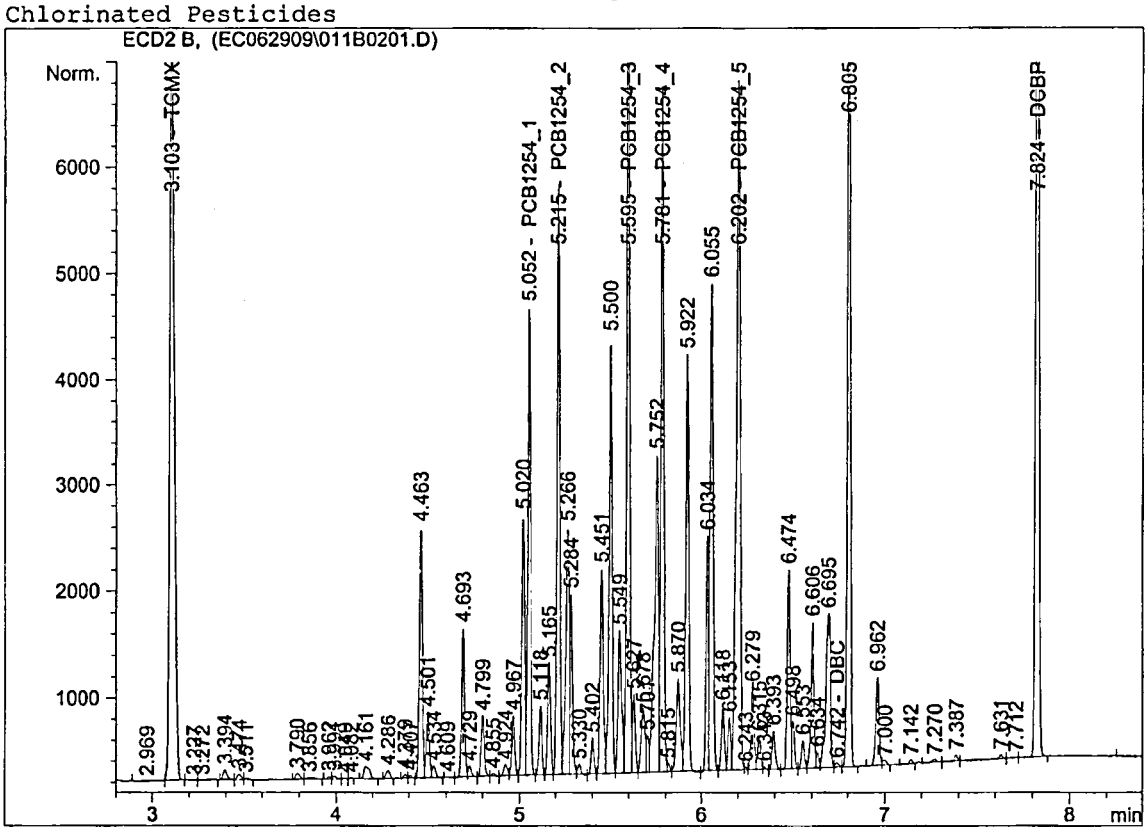
==========================================================================
Injection Date  : 6/29/2009 11:34:06 AM          Seq. Line :   2
Sample Name     : LCS14523 x1                     Location : Vial 11
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.103	PB	1.24915e4	7.19175e-3	89.83549		TCMX
5.052	VV	5203.80127	1.88738e-1	982.15262		PCB1254_1
5.215	VV	6064.26465	1.78604e-1	1083.10411		PCB1254_2
5.595	VV	8838.74414	1.12180e-1	991.53046		PCB1254_3
5.781	VV	7124.02734	1.39717e-1	995.34611		PCB1254_4
6.202	VV	9398.62891	1.12972e-1	1061.78121		PCB1254_5
6.742	VV	53.92244	0.00000	0.00000		DBC
7.824	VB	1.30037e4	7.13140e-3	92.73465		DCBP

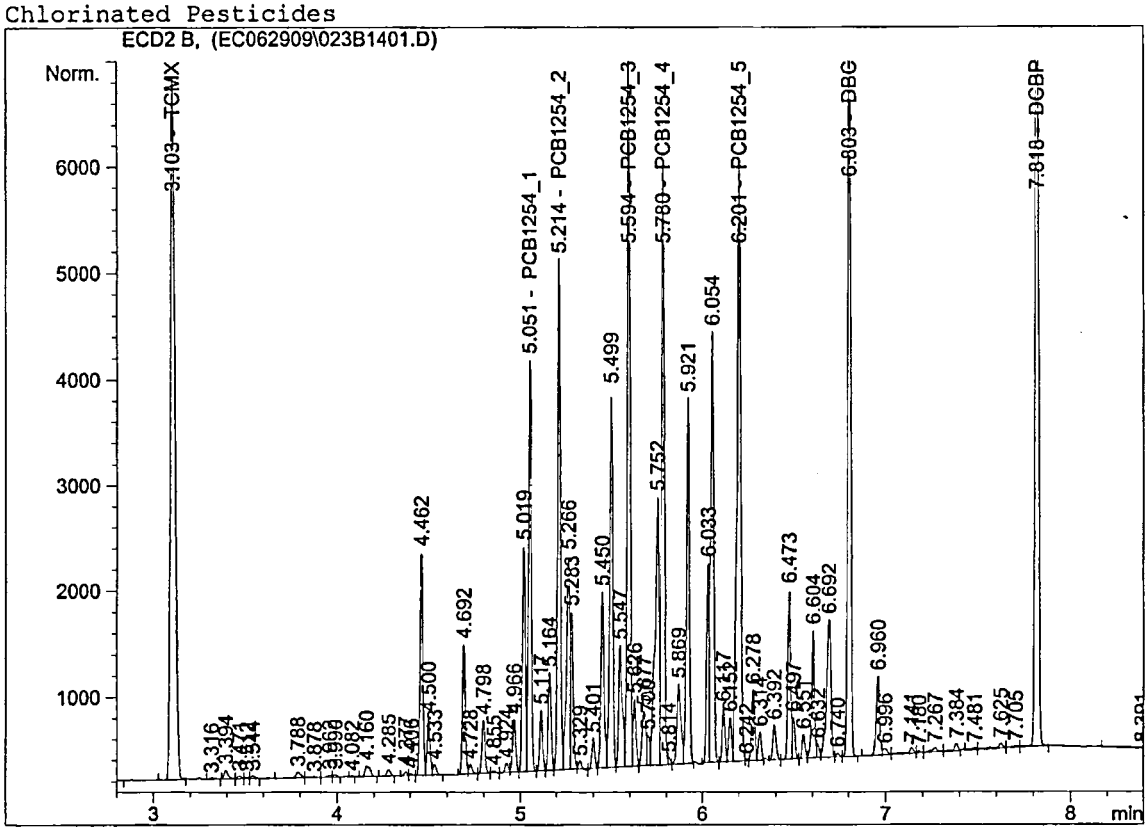
Totals : 5296.48464

BWS
6-29-09

==========

Injection Date : 6/29/2009 2:08:28 PM Seq. Line : 14
Sample Name : 628240 MS x1 Location : Vial 23
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

G1053-2-8D
MS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.103	BB	1.12570e4	7.21467e-3	81.21530		TCMX
5.051	VV	4565.31348	1.89069e-1	863.16014		PCB1254_1
5.214	VV	5305.44629	1.78250e-1	945.69778		PCB1254_2
5.594	VV	7732.24512	1.12522e-1	870.04809		PCB1254_3
5.780	VV	6239.22461	1.40012e-1	873.56341		PCB1254_4
6.201	VV	8155.92773	1.13048e-1	922.01274		~~PCB1254_5~~
6.803	VB	8529.52637	0.00000	0.00000		DBC
7.818	VB	1.14659e4	7.15458e-3	82.03331		DCBP

Totals : 4637.73079

4 Peaks
SLS
6-29-09

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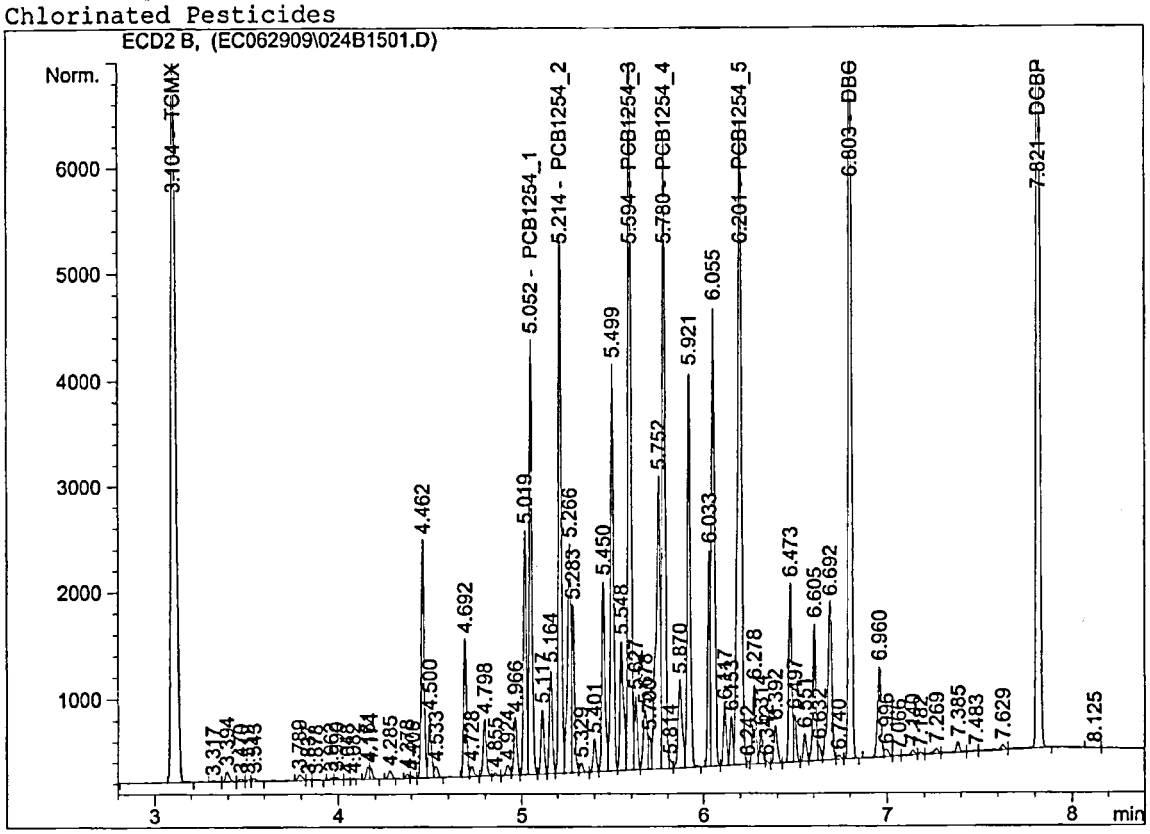
Injection Date : 6/29/2009 2:21:24 PM Seq. Line : 15
Sample Name : 628241 MSD x1 Location : Vial 24
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

G1053-2-8E

MSD



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.104	BB	1.22677e4	7.19556e-3	88.27280		TCMX
5.052	VV	4884.69531	1.88892e-1	922.68209		PCB1254_1
5.214	VV	5665.60840	1.78430e-1	1010.91570		PCB1254_2
5.594	VV	8229.34082	1.12357e-1	924.62416		PCB1254_3
5.780	VV	6624.31592	1.39874e-1	926.56670		PCB1254_4
6.201	VV	8761.85645	1.13008e-1	990.16245		~~PCB1254_5~~
6.803	VBA	9353.10449	0.00000	0.00000		DBC
7.821	VB	1.26374e4	7.13641e-3	90.18561		DCBP

Totals : 4953.40950

4 Peaks
BWS
6-29-09

Paradigm Analytical Laboratories, INC.

II

SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	S1 (TCMX) #	S2 (DCBP) #	QC LIMITS	TOT OUT
01	GYD-CS-08	G368-69-2B	82.6	90.7	40 - 140	
02	GYD-CS-09	G368-69-3B	76.1	80.9	40 - 140	
03						
04						
05						
06						
07						
08						
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40						

S1 (TCMX) = Tetrachloro-m-xylene
S2 (DBCP) = Decachlorobiphenyl

8082 Sample Raw Data

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-08	Analyzed By:	BWS
Client Project ID:	Goodyear Dump Removal	Date Collected:	6/25/2009 16:21
Lab Sample ID:	G368-69-2B	Date Received:	6/26/2009
Lab Project ID:	G368-69	Date Extracted:	6/26/2009
Initial Wt/Vol:	32.24 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	80.0
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	77.5	4.42	2	06/29/09	
Aroclor-1221	BQL	77.5	19.3	2	06/29/09	
Aroclor-1232	BQL	77.5	10.7	2	06/29/09	
Aroclor-1242	BQL	77.5	7.07	2	06/29/09	
Aroclor-1248	**848**	77.5	3.45	2	06/29/09	
Aroclor-1254	**858**	77.5	22.9	2	06/29/09	
Aroclor-1260	BQL	77.5	6.40	2	06/29/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	82.6	82.6
DCBP	100	90.7	90.7

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-09	Analyzed By:	BWS
Client Project ID:	Goodyear Dump Removal	Date Collected:	6/25/2009 16:03
Lab Sample ID:	G368-69-3B	Date Received:	6/26/2009
Lab Project ID:	G368-69	Date Extracted:	6/26/2009
Initial Wt/Vol:	33.06 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	81.0
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	37.3	2.13	1	06/29/09	
Aroclor-1221	BQL	37.3	9.30	1	06/29/09	
Aroclor-1232	BQL	37.3	5.15	1	06/29/09	
Aroclor-1242	BQL	37.3	3.40	1	06/29/09	
Aroclor-1248	**113**	37.3	1.66	1	06/29/09	
Aroclor-1254	**69.5**	37.3	11.0	1	06/29/09	
Aroclor-1260	BQL	37.3	3.08	1	06/29/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	76.1	76.1
DCBP	100	80.9	80.9

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

```
==================================================================
Injection Date  : 6/29/2009 3:14:06 PM          Seq. Line :   3
Sample Name     : G368-69-2B x2                  Location : Vial 28
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/29/2009 3:42:59 PM by BWS
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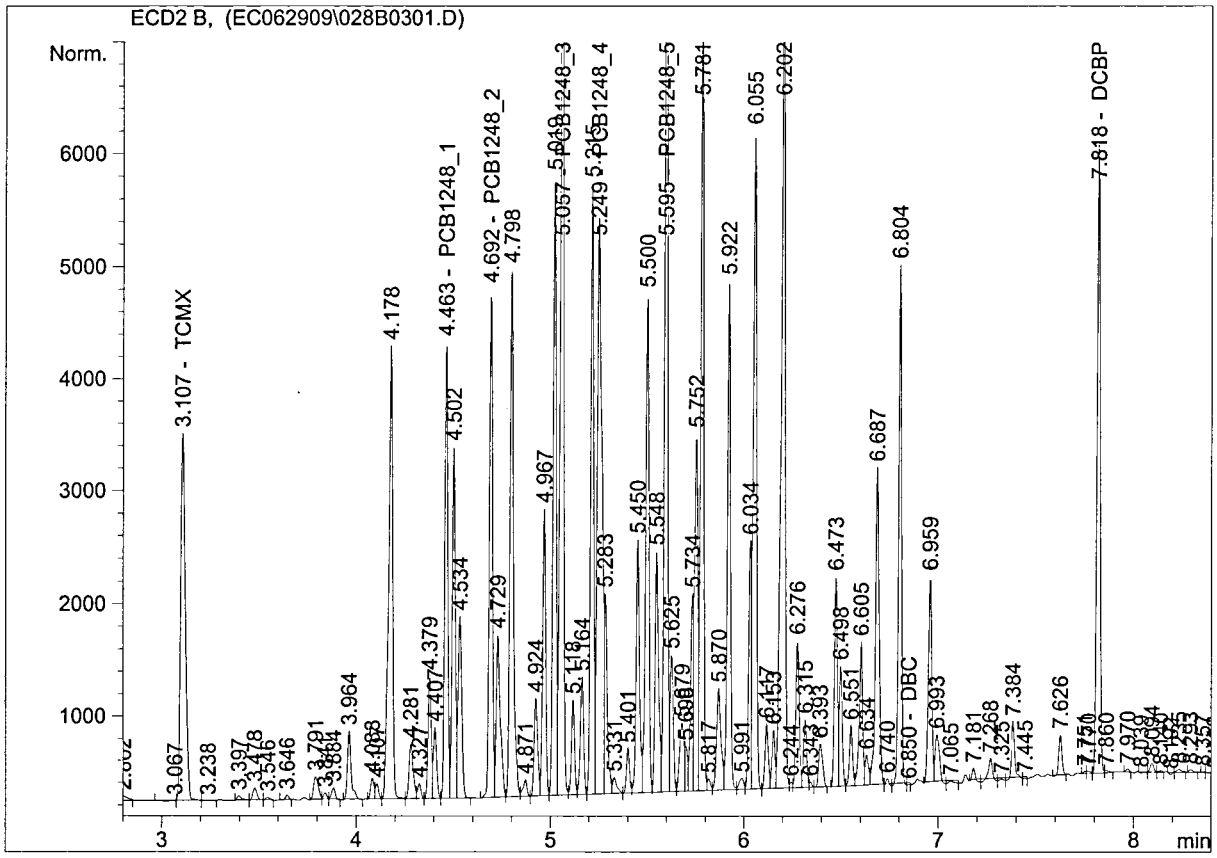
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	PP	5577.72852	7.40233e-3	41.28820		TCMX
4.463	VV	4461.02295	2.34100e-1	1044.32468		PCB1248_1
4.692	PV	5030.55322	1.76661e-1	888.70505		PCB1248_2
5.057	VV	1.14683e4	1.19110e-1	1365.99810		PCB1248_3
5.249	VV	8883.30273	1.20800e-1	1073.10341		PCB1248_4
5.595	VV	1.01115e4	2.83381e-1	2865.39884		~~PCB1248_5~~
6.850	VV N	20.33687	4.88570e-2	9.93599e-1		DBC
7.818	VV	6226.38818	7.28407e-3	45.35346		DCBP

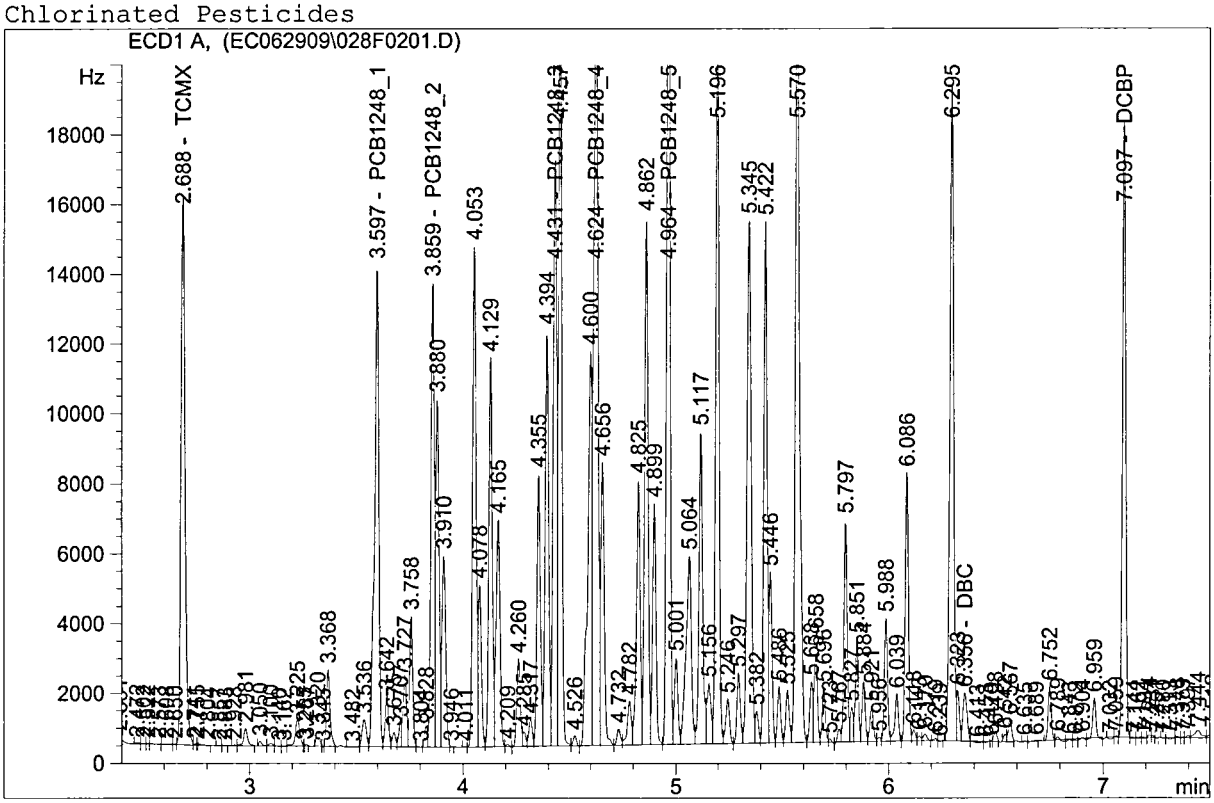
Totals : 7325.16533

847.07

4 Peaks
BWS
6-29-09

```
==================================================================
Injection Date  : 6/29/2009 3:01:17 PM          Seq. Line :   2
Sample Name     : G368-69-2B x2                  Location : Vial 28
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/29/2009 4:06:49 PM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Confirmation Only

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.688	PP	2.09134e4	1.79389e-3	37.51634		TCMX
3.597	VV	1.87473e4	5.62220e-2	1054.00999		PCB1248_1
3.859	VV	1.44783e4	6.61309e-2	957.46462		PCB1248_2
4.431	VV	1.94049e4	3.64038e-2	706.41326		PCB1248_3
4.624	VV	3.13137e4	4.57928e-2	1433.94043		PCB1248_4
4.964	VV	3.17338e4	7.45300e-2	2365.12301		PCB1248_5
6.356	VP	1844.72607	2.69636e-1	497.40393		DBC
7.097	VP	1.85349e4	2.20519e-3	40.87303		DCBP

Totals : 7092.74460

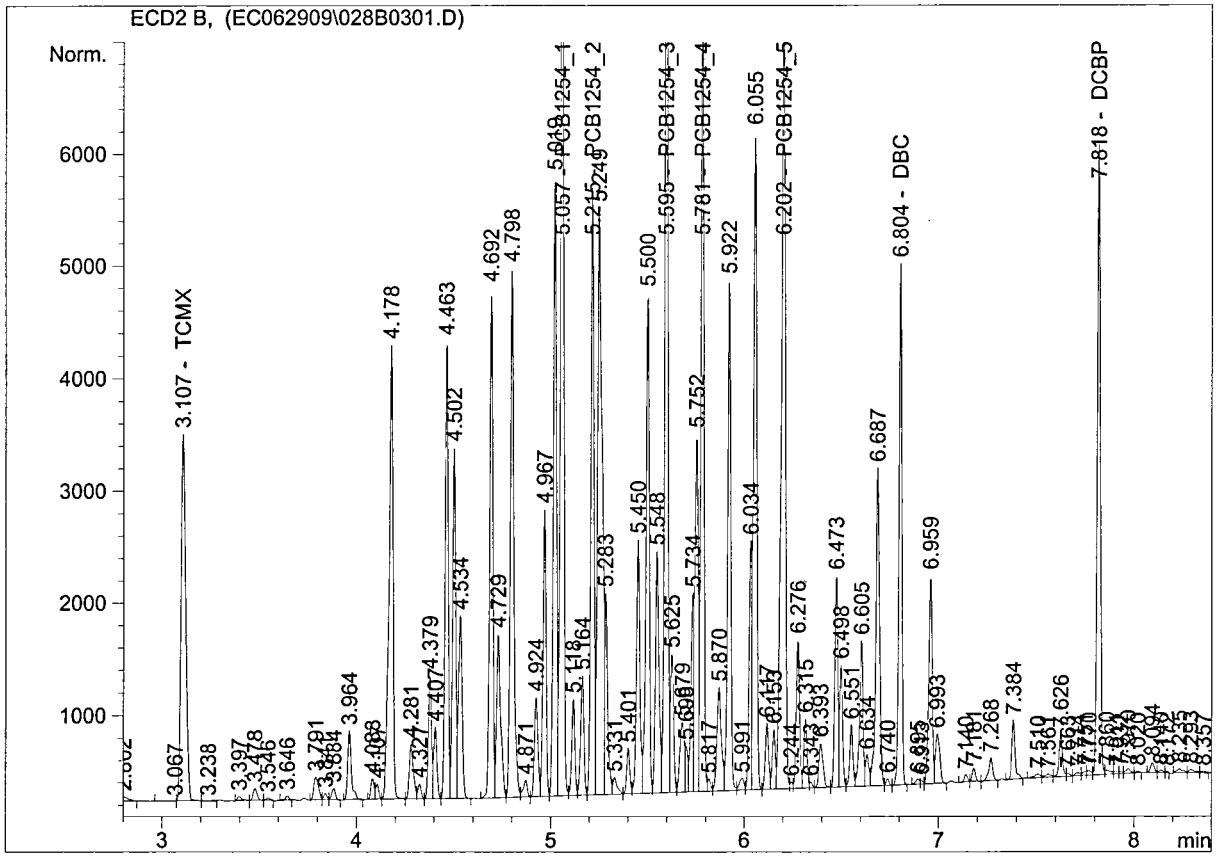
BWS
6-29-09

Results obtained with enhanced integrator!

==

```
==================================================================
Injection Date  : 6/29/2009 3:14:06 PM          Seq. Line :   3
Sample Name     : G368-69-2B x2                  Location : Vial 28
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/29/2009 3:49:54 PM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

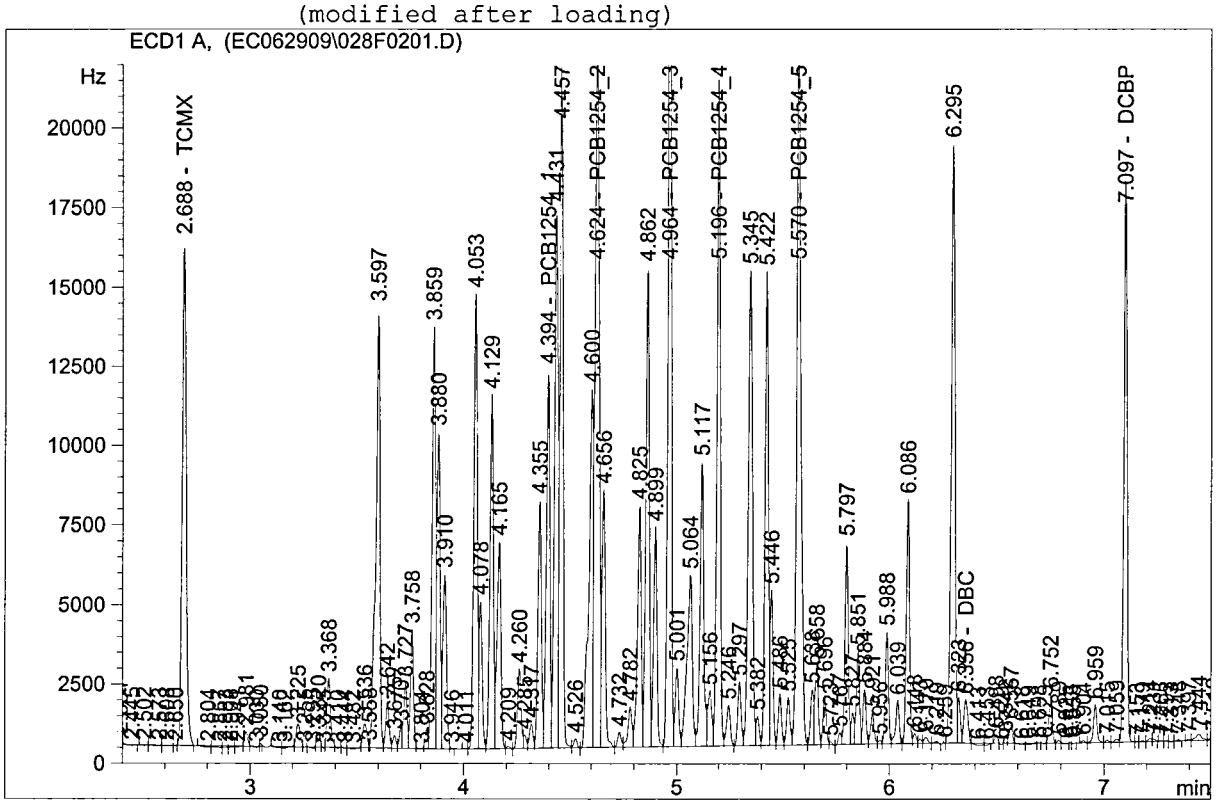
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	PP	5576.15430	7.45094e-3	41.54758		TCMX
5.057	VV	1.14786e4	1.87441e-1	2151.56261		~~PCB1254_1~~
5.215	VV	5920.02393	1.78544e-1	1056.98509		PCB1254_2
5.595	VV	1.01237e4	1.11877e-1	1132.60904		PCB1254_3
5.781	VV	7724.50879	1.39555e-1	1077.99532		PCB1254_4
6.202	VV	1.02463e4	1.12931e-1	1157.12057		PCB1254_5
6.804	VV	4790.27051	0.00000	0.00000		DBC
7.818	VV	6290.01514	7.31581e-3	46.01658		DCBP

Totals : 6663.83678

4 Peaks
BWS
6-29-09

```
==================================================================
Injection Date  : 6/29/2009 3:01:17 PM          Seq. Line :   2
Sample Name     : G368-69-2B x2                  Location : Vial 28
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/29/2009 4:07:29 PM by BWS
                  (modified after loading)
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/29/2009 4:07:29 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.688	PP	2.07565e4	1.78698e-3	37.09150		TCMX
4.394	VV	1.35647e4	5.67484e-2	769.77617		PCB1254_1
4.624	VV	3.13187e4	3.09537e-2	969.42908		PCB1254_2
4.964	VV	3.17384e4	2.90796e-2	922.94062		PCB1254_3
5.196	VV	2.27458e4	3.79998e-2	864.33487		PCB1254_4
5.570	VV	3.08365e4	2.89375e-2	892.33344		PCB1254_5
6.356	VP	1784.10046	2.18148	3891.97726		DBC
7.097	VV	1.87338e4	2.20145e-3	41.24150		DCBP

Totals : 8389.12444

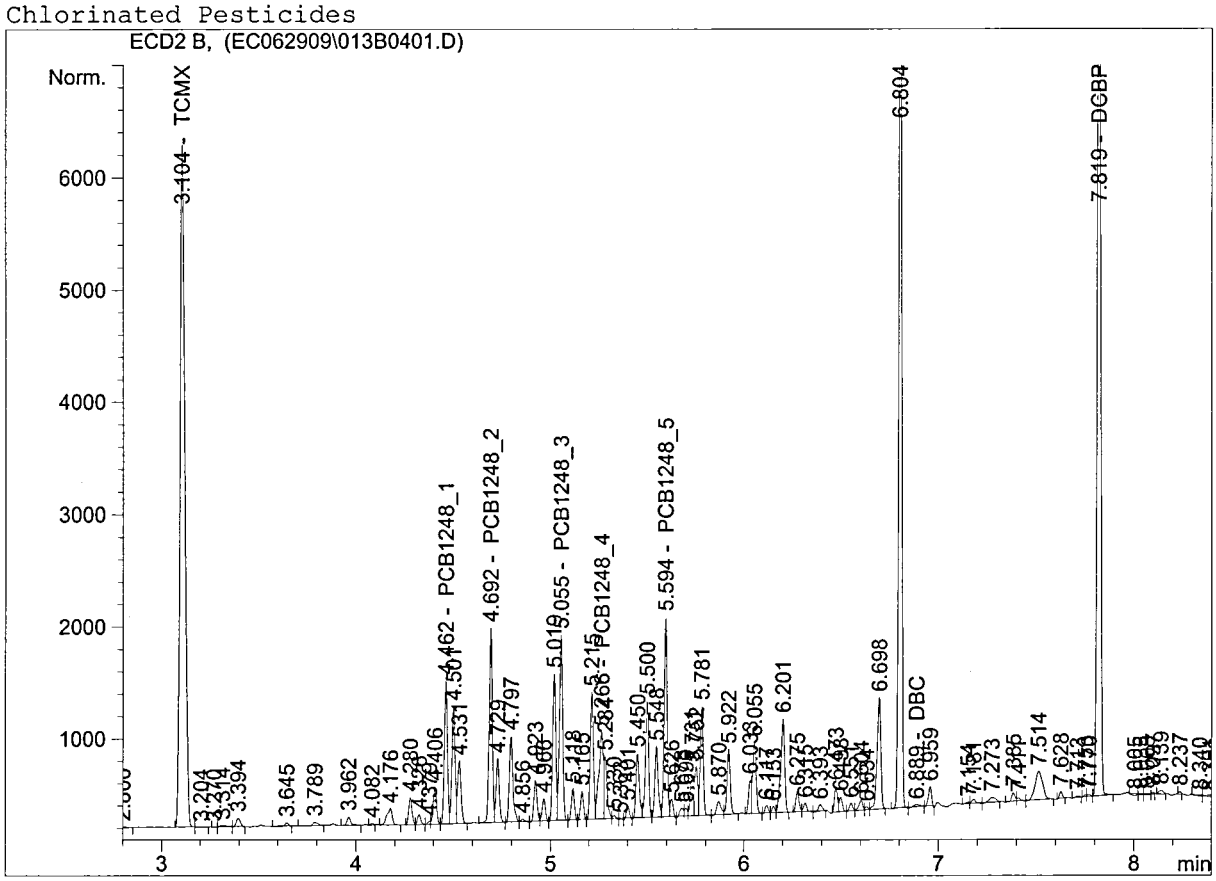
Confirmation Only

BWS
6-29-09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

==========

Injection Date : 6/29/2009 11:59:57 AM Seq. Line : 4
Sample Name : G368-69-3B x1 Location : Vial 13
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

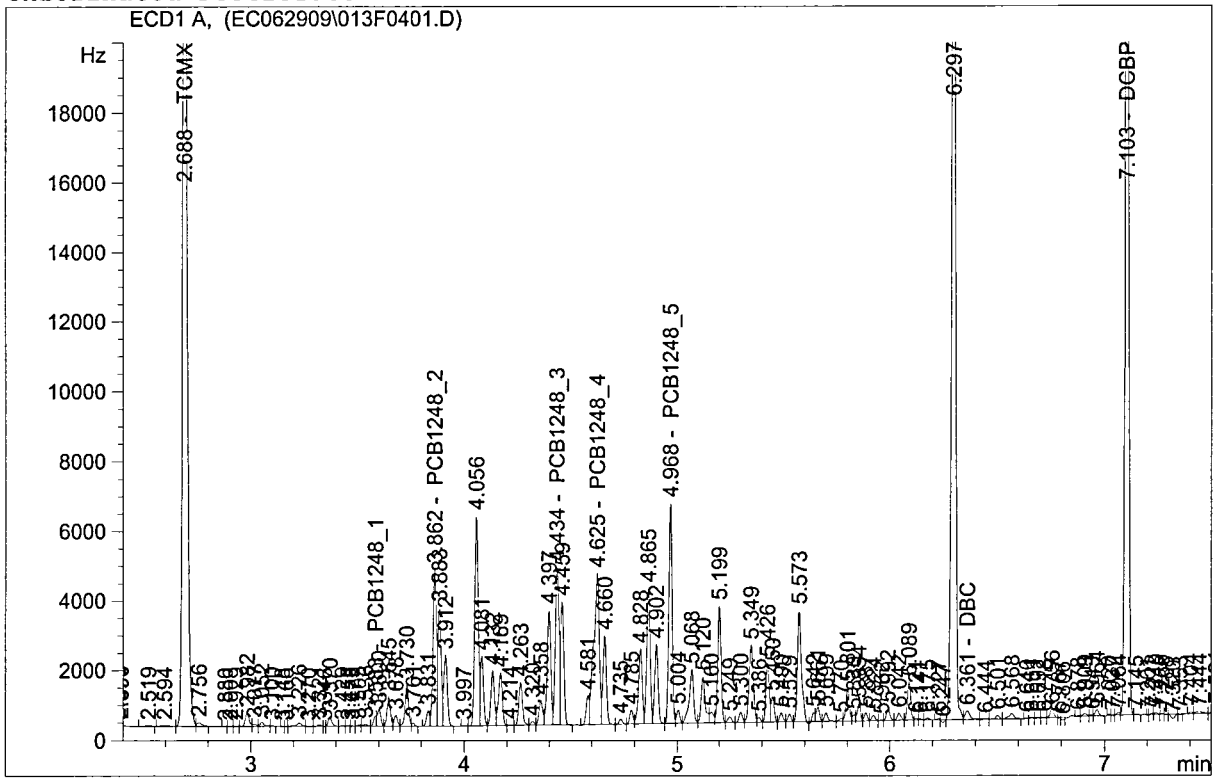
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.104	PB	1.05213e4	6.93413e-3	72.95629	✓	TCMX
4.462	VV	1435.69812	2.51977e-1	361.76311		PCB1248_1
4.692	VV	1934.18860	1.90352e-1	368.17725		PCB1248_2
5.055	VV	2142.78320	1.35818e-1	291.02764		PCB1248_3
5.266	VV	1219.07922	1.55801e-1	189.93323		PCB1248_4
5.594	VV	1918.63062	3.03076e-1	581.49098		~~PCB1248_5~~
6.889	VV	30.35359	3.53460e-2	1.07288		DBC
7.819	VV	1.12189e4	6.93020e-3	77.74899		DCBP

Totals : 1944.17036

4 peaks 113.05
BWS
6-29-09

```
==================================================================
Injection Date  : 6/29/2009 11:46:56 AM          Seq. Line :   4
Sample Name     : G368-69-3B x1                   Location : Vial 13
Acq. Operator   : BWS                                  Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/29/2009 4:06:49 PM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Confirmation Only

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.688	VV	4.24166e4	1.65642e-3	70.25982		TCMX
3.583	VV	229.19936	2.34890e-1	53.83659		PCB1248_1
3.862	VV	4976.69482	7.18207e-2	357.42980		PCB1248_2
4.434	VV	5460.76904	4.24809e-2	231.97838		PCB1248_3
4.625	VV	7899.18311	5.00859e-2	395.63804		PCB1248_4
4.968	VV	6781.73437	8.01621e-2	543.63836		PCB1248_5
6.361	VV	382.22299	2.48617e-1	95.02702		DBC
7.103	VV	3.75791e4	2.04791e-3	76.95853		DCBP

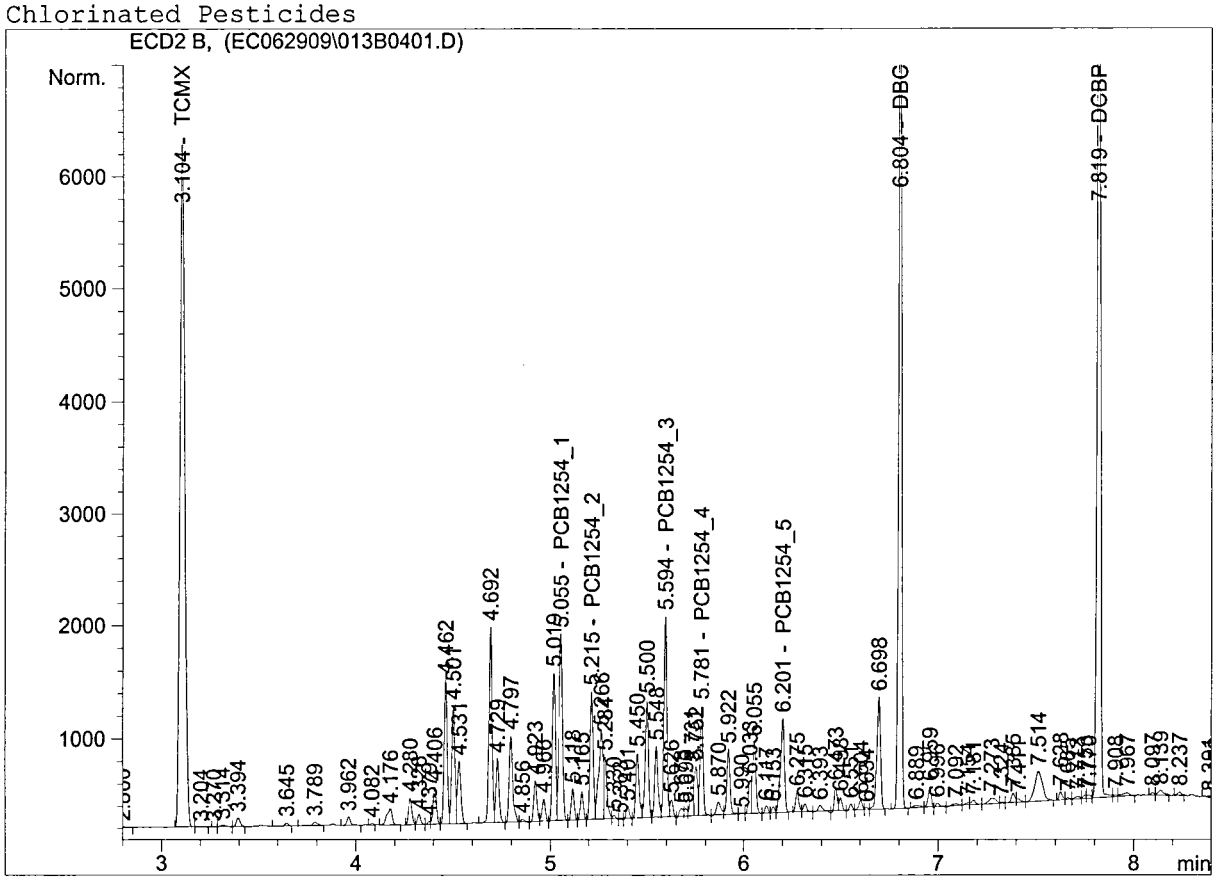
Totals : 1824.76656

BWS
6-29-09

Results obtained with enhanced integrator!

==

```
==================================================================
Injection Date  : 6/29/2009 11:59:57 AM          Seq. Line :   4
Sample Name     : G368-69-3B x1                   Location : Vial 13
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                           Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

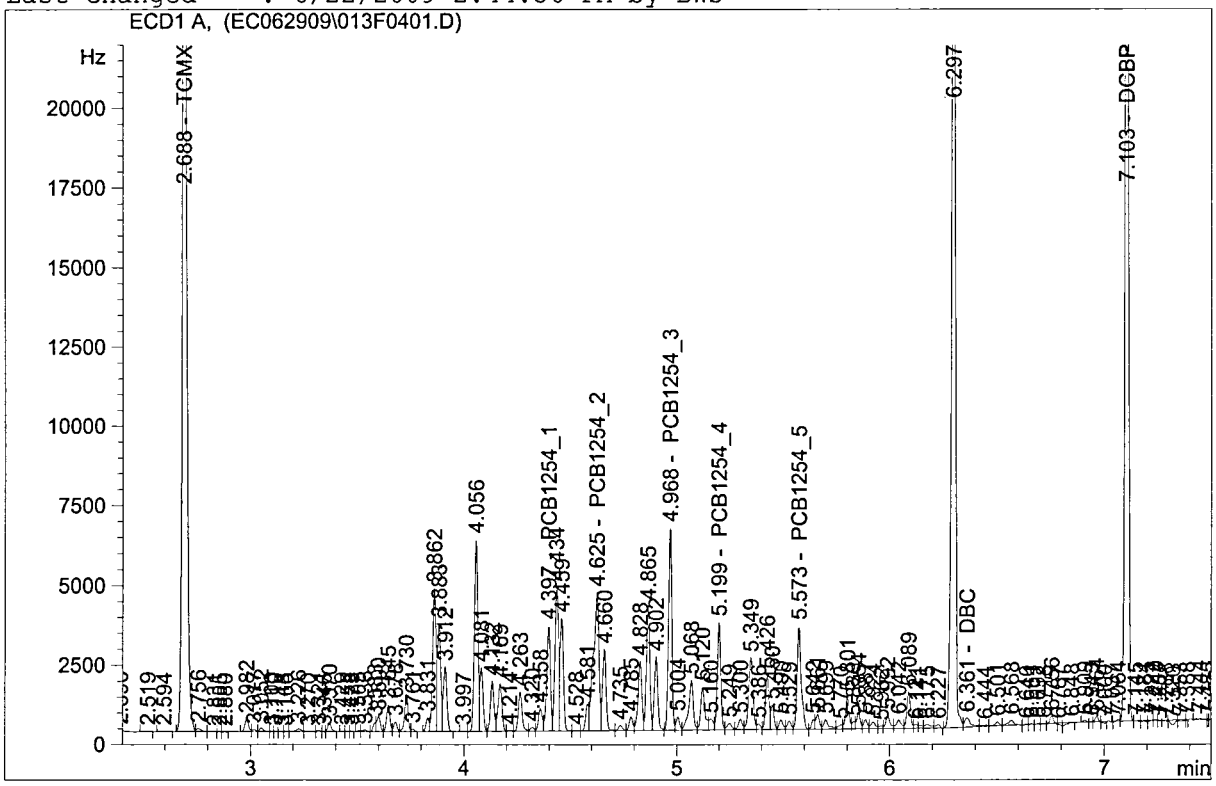
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.104	PB	1.05213e4	7.23089e-3	76.07857	✓	TCMX
5.055	VV	2144.34766	1.92121e-1	411.97421		~~PCB1254~~ 1
5.215	VV	1265.18481	1.69216e-1	214.08992		PCB1254_2
5.594	VV	1921.11572	1.20787e-1	232.04503		PCB1254_3
5.781	VV	1052.25500	1.51710e-1	159.63798		PCB1254_4
6.201	VV	1192.16565	1.16417e-1	138.78800		PCB1254_5
6.804	VV	8495.86621	0.00000	0.00000		DBC
7.819	VV	1.13027e4	7.15740e-3	80.89800	✓	DCBP

Totals : 1313.51170

4 Peaks
Bus
6-29-09

```
==================================================================
Injection Date  : 6/29/2009 11:46:56 AM          Seq. Line :   4
Sample Name     : G368-69-3B x1                   Location : Vial 13
Acq. Operator   : BWS                                  Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/22/2009 2:44:56 PM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Confirmation Only

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.688	PV	4.23862e4	1.69953e-3	72.03673		TCMX
4.397	VV	3974.99829	5.89457e-2	234.30893		PCB1254_1
4.625	VV	7972.24365	3.24026e-2	258.32116		PCB1254_2
4.968	VV	6877.95703	3.15248e-2	216.82597		PCB1254_3
5.199	VV	3820.33862	4.31424e-2	164.81869		PCB1254_4
5.573	VV	4360.68750	3.38742e-2	147.71460		PCB1254_5
6.361	VV	551.74060	1.38907	766.40583		DBC
7.103	VV	3.75215e4	2.11241e-3	79.26078		DCBP

Totals : 1939.69268

BWJ
6-29-09

Results obtained with enhanced integrator!

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*** End of Report ***

Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Boulevard
Duluth, GA 30096

Report Number: G368-70

Client Project: Goodyear Dump Site

Dear Jessica Vickers,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Linda McWhirter at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

7/2/09

Project Manager
Linda McWhirter

Date

Case Narrative
Tetra tech
SGS Wilmington Project: **G368-70**
Project Name: **Goodyear Dump**

SGS Environmental Services; Inc.

July 1, 2009

- Five soil samples were accepted into the laboratory on June 30th, 2009 at 1010 for analyses as indicated on the chain of custody. The samples were received in good condition, with a temperature of 5.9°.
- All extractions and analyses were completed within holding time limits with the following quality control exceptions.

88082/6020 Herbicide Analysis

- The samples submitted for analysis by 6010C were analyzed by method 6020. Method 6020 is the analogous Mass Spectrometry method for 6010C and offers the same detection limits as 6010C.

Craig Tronzo Date 7/1/09
Craig R Tronzo
Data Review

List of Reporting Abbreviations And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are 10% < %R < LCL; # of MEs are allowable and compounds are not detected in the sample.

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:
1) Metals and mercury samples are digested with a hot block; see the standard operating procedure document for details.
2) Uncertainty for all reported data is less than or equal to 30 percent.

MI34.021808.4

SGS

G368-70

CHAIN OF CUSTODY RECORD
SGS North America Inc.

Locations Nationwide
- Alaska
- New Jersey
- North Carolina
- Maryland
- New York
- Ohio

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098402

SGS North America, Inc.

(1)

CLIENT: TETRA TECH

CONTACT: SHERRY WEEDMAN PHONE NO:(502) 568-6688

PROJECT: GOODYEAR DUMP SITE/PWSID#:

REPORTS TO: SHERRY WEEDMAN FAX NO.:(502) 568-6222

INVOICE TO: QUOTE #:

P.O. NUMBER:

SGS Reference:

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C= COMP, G= GRAB)	Lead, Total (3)	PCB's 8082A								REMARKS
						Preservatives Used	ICE	ICE								
	GYD-CS-05	6-29-09	1747	S	1	C	X	X								24 Hour TAT
	GYD-CS-05-DUP	↓	1747	↓	↓	↓	X	X								
	GYD-CS-04	↓	1808	↓	↓	↓		X								
	GYD-CS-07	↓	1834	↓	↓	↓		X								MS/MSD
	GYD-CS-08-21	↓	1900	↓	↓	↓		X								

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
TODD CURTIS	6-29-09	2031	
Relinquished By: (2)	Date	Time	Received By:
	6/30/09	1010	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature°C: 5.9°C

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time:

☐ RUSH _____ Date Needed ☐ STD

White - Retained by Lab
Pink - Retained by Client

☐ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

SGS Environmental Services, Inc.

Cust Proj ID: Goodyear Dump Site
Client Name: Tetra Tech EM, Inc. PO:

G368-70

Due Date: 2009-07-01 17:00:00
Login Date: 2009-06-30 10:22:11

Sample ID		Cust Sample ID	PRI	Date Collected	Date Received	Date Due	Matrix	LOC	Report	Analysis	Status
G368-70-1	A	GYD-CS-05	**RUSH**	2009-06-29 17:47:00	2009-06-30	2009-07-01	Soil	W1B	Full	8082-Soil	PR::NEED
						2009-07-01	Soil	W1B	Full	Pb	PR::NEED
G368-70-2	A	GYD-CS-05-DUP	**RUSH**	2009-06-29 17:47:00	2009-06-30	2009-07-01	Soil	W1B	Full	8082-Soil	PR::NEED
						2009-07-01	Soil	W1B	Full	Pb	PR::NEED
G368-70-3	A	GYD-CS-04	**RUSH**	2009-06-29 18:08:00	2009-06-30	2009-07-01	Soil	W1B	Full	8082-Soil	PR::NEED
G368-70-4	A	GYD-CS-07	**RUSH**	2009-06-29 18:34:00	2009-06-30	2009-07-01	Soil	W1B	Full	8082-Soil	PR::NEED
						2009-07-01	Soil	W1B	Full	MS-7	PR::NEED
						2009-07-01	Soil	W1B	Full	MSD-7	PR::NEED
G368-70-7	A	GYD-CS-08-R1	**RUSH**	2009-06-29 19:00:00	2009-06-30	2009-07-01	Soil	W1B	Full	8082-Soil	PR::NEED

* G368-70-4 Note: MS/MSD

SGS North America, Inc.

Sample Receipt Checklist (SRC)

SGS Environmental Services

Client: **Tetra Tech EM, Inc.** Lab Proj. ID: **G368-70**

Client Proj. ID: **Goodyear Dump Site**

1. X Shipped
Hand Delivered
Notes:

2. X Proper, full, and complete documentation
(unique sample identification on durable label with indelible ink, location of collection, date/time of collection, collector's name, preservation type, sample type (method/matrix))
__ Acceptable documentation (but, incomplete)
__ Unacceptable documentation
Notes:

3. __ Custody Tape on Container
x No Custody Tape
Notes:

4. X Samples Intact*
(are in appropriate container, are not damaged, and do not show signs of contamination)
__ Samples Broken / Leaking
__ VOA Vials Checked for Air Bubbles
Notes:

5. X Chilled on Receipt* Actual Temp.(s) in °C: 5.9
Ambient on Receipt
__ Walk-in on Ice; Coming down to temp.
__ Received out of temperature protocol
Notes:

6. X Sufficient Sample Submitted
__ Insufficient Sample Submitted
Notes:

7. X Samples Preserved Correctly*
(see preservative checklist where applicable)
__ Improper Preservative(s)
__ None recommended (N/A)
Notes:

8. X Received Within Holding Time
__ Not Received Within Holding Time
__ N/A
Notes:

9. X No Discrepancies Noted
__ Discrepancies Noted
Notes:

Comments:

* = Rejection of sample is required when not marked; Contact client services immediately for a resolution.

Inspected and Logged in by: V

DC27.040307.4

Date / Time: Tue-6/30/09 10:49

Results for Metals

Client Sample ID:	GYD-CS-05			Analyzed By:	PSW
Client Project ID:	Goodyear Dump Site			Date Collected:	6/29/09 17:47
Lab Sample ID:	G368-70-1			Date Received:	6/30/09
Lab Project ID:	G368-70			Matrix:	SOIL
ICP InitWt/Vol:	0.51 g	Final Vol:	50 mL	Solids	84.16
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14543				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**11.1**	1.16	0.0312	10	MG/KG	6020	7/1/09	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
Metals

Results for Metals

Client Sample ID:	GYD-CS-05-DUP			Analyzed By:	PSW
Client Project ID:	Goodyear Dump Site			Date Collected:	6/29/09 17:47
Lab Sample ID:	G368-70-2			Date Received:	6/30/09
Lab Project ID:	G368-70			Matrix:	SOIL
ICP InitWt/Vol:	0.58 g	Final Vol:	50 mL	Solids	83.39
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14543				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**11.7**	1.03	0.0277	10	MG/KG	6020	7/1/09	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
Metals

SGS North America, Inc.

2A

INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 070109a MS

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	200	141.35	70.677*	500	514.59	102.9	500	527.20	105.4	90-110
Antimony	60			5			5			90-110
Arsenic	10			5			5			90-110
Barium	200			500			500			90-110
Beryllium	5			5			5			90-110
Cadmium	5			5			5			90-110
Calcium	5000	4907.87	98.2	500	487.47	97.5	500	474.26	94.9	90-110
Chromium	10	10.07	100.7	5	5.07	101.4	5	5.03	100.6	90-110
Cobalt	50			5			5			90-110
Copper	25			5			5			90-110
Iron	100	133.26	133.258*	500	511.33	102.3	500	508.53	101.7	90-110
Lead	5	4.94	98.7	5	4.99	99.9	5	5.00	100.1	90-110
Magnesium	5000	4864.14	97.3	500	501.35	100.3	500	520.76	104.2	90-110
Manganese	15			5			5			90-110
Nickel	40			5			5			90-110
Potassium	5000	4850.72	97.0	500	519.46	103.9	500	547.89	109.6	90-110
Selenium	5			5			5			90-110
Silver	10			5			5			90-110
Sodium	5000	4951.97	99.0	500	511.13	102.2	500	530.76	106.2	90-110
Thallium	10			5			5			90-110
Vanadium	50			5			5			90-110
Zinc	20			50			50			90-110

Comments:

FORM IIA - METALS

SGS North America, Inc.

2A

INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 070109a MS

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV (4)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	200	141.35	70.677*	500	583.71	116.741*	500	581.01	116.2028	90-110
Antimony	60			5			5			90-110
Arsenic	10			5			5			90-110
Barium	200			500			500			90-110
Beryllium	5			5			5			90-110
Cadmium	5			5			5			90-110
Calcium	5000	4907.87	98.2	500	489.29	97.9	500	503.95	100.8	90-110
Chromium	10	10.07	100.7	5	5.00	100.0	5	5.07	101.4	90-110
Cobalt	50			5			5			90-110
Copper	25			5			5			90-110
Iron	100	133.26	133.258*	500	517.43	103.5	500	514.51	102.9	90-110
Lead	5	4.94	98.7	5	5.15	103.0	5	5.03	100.6	90-110
Magnesium	5000	4864.14	97.3	500	582.45	116.4896	500	583.82	116.7644	90-110
Manganese	15			5			5			90-110
Nickel	40			5			5			90-110
Potassium	5000	4850.72	97.0	500	594.41	118.881*	500	605.33	121.065*	90-110
Selenium	5			5			5			90-110
Silver	10			5			5			90-110
Sodium	5000	4951.97	99.0	500	589.75	117.9506	500	579.55	115.9104	90-110
Thallium	10			5			5			90-110
Vanadium	50			5			5			90-110
Zinc	20			50			50			90-110

Comments:

FORM IIA - METALS

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 070109a MS

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C	4	C		
Aluminum	10	U	10	U	10	U	10	U		
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium	10	U	10	U	10	U	10	U		
Chromium	0.1	U	0.1	U	0.1	U	0.1	U		
Cobalt										
Copper										
Iron	10	U	10	U	10	U	10	U		
Lead	0.1	U	0.1	U	0.1	U	0.1	U		
Magnesium	10	U	10	U	10	U	10	U		
Manganese										
Mercury										
Nickel										
Potassium	10	U	12.773	#	12.954	#	14.776	#		
Selenium										
Silver										
Sodium	10	U	10	U	10	U	10	U		
Thallium										
Vanadium										
Zinc										

Comments:

FORM III - METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SGS Environmental Services ICS Source: Environmental Express

Batch ID: 070109a ICP ID Number: ICPMS 1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R	QC Limit Range %
Aluminum	5000	5000	5136.21	5278.95	105.6	6007.04	5938.2	118.8	80 - 120
Antimony	0	3	0	0	0*	0	0	0*	80 - 120
Arsenic	0	3	0	0	0*	0	0	0*	80 - 120
Barium	0	300	0	0	0*	0	0	0*	80 - 120
Beryllium	0	3	0	0	0*	0	0	0*	80 - 120
Cadmium	0	3	0	0	0*	0	0	0*	80 - 120
Calcium	5000	5000	4956.2	5003.21	100.1	5519.32	5457.07	109.1	80 - 120
Chromium	0	3	-0.045	2.847	94.9	-0.06	2.899	96.6	80 - 120
Cobalt	0	3	0	0	0*	0	0	0*	80 - 120
Copper	0	3	0	0	0*	0	0	0*	80 - 120
Iron	5000	5000	4806.52	4819.13	96.4	4871.46	4920.11	98.4	80 - 120
Lead	0	3	0.006	2.935	97.8	0.008	3.068	102.3	80 - 120
Magnesium	5000	5000	4978.89	5013.82	100.3	5754.08	5745.29	114.9	80 - 120
Manganese	0	3	0	0	0*	0	0	0*	80 - 120
Nickel	0	3	0	0	0*	0	0	0*	80 - 120
Potassium	5000	5000	4845.6	4982.64	n/a	5614.3	5643.48	n/a	80 - 120
Selenium	0	3	0	0	0*	0	0	0*	80 - 120
Silver	0	3	0	0	0*	0	0	0*	80 - 120
Sodium	5000	5000	5073.86	5080.46	n/a	5852.98	5778.74	n/a	80 - 120
Thallium	0	3	0	0	0*	0	0	0*	80 - 120
Vanadium	0	3	0	0	0*	0	0	0*	80 - 120
Zinc	0	30	0	0	0*	0	0	0*	80 - 120

FORM IV - METALS

Results for Metals

Client Sample ID:	Lab Blank			Analyzed By:	PSW
Client Project ID:				Date Collected:	
Lab Sample ID:	pb14543			Date Received:	
Lab Project ID:				Matrix:	SOIL
ICP InitWt/Vol:	0.55 g	Final Vol:	50 mL	Solids	100.00
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14543				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	0.909	0.0244	10	MG/KG	6020	7/1/09	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
Metals

METALS Results for LCS/LCD

ICP Batch: 14543
HG Batch:
Other:

Matrix: SOIL
Units: MG/KG

Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	37.0	37.9	102		37.6	102		80	120	0.795		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

SGS North America, Inc.

MS/MSD Results for METALS

Lab ID: G563-302-1
MS Lab ID: G563-302-1
MSD Lab ID: G563-302-1
ICP Batch: 14543
HG Batch:
Other:

Analyzed By: PSW
Matrix: Soil
Units: MG/KG
Solids: 75.19

Analyte	Sample Result	SA MS	MS Result	MS %REC		SA MSD	MSD Result	MSD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	11.7	48.4	57.8	95.3		48.4	61.9	104		75	125	6.85		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: GM

SGS North America, Inc.

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 070109a

Case No: G368-70

Instrument ID: ICPMS Analysis Method: 6020

Start Date: 7/1/2009 End Date: 7/1/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
1	Blank	1	11:15																	
2	Standard	1	11:17																	
3	Standard	1	11:19																	
4	Standard	1	11:21																	
5	Standard	1	11:24																	
6	icv	1	11:26																	
7	ccv1	1	11:29																	
8	ccb1	1	11:33																	
9	icsA1	1	11:36																	
10	icsB1	1	11:39																	
11	lowstd	1	11:43																	
12	pb14549	10	11:46																	
13	lcs14549	100	11:49																	
14	lcd14549	100	11:52																	
15	G171-301-1B	10	11:56																	
16	G171-301-1C	100	11:59																	
17	G171-301-1D	100	12:02																	
18	G171-301-1B	50	12:05																	
19	ccv2	1	12:09																	
20	ccb2	1	12:12																	
21	pb14543	10	12:15																	
22	lcs14543	100	12:19																	
23	lcd14543	100	12:22																	
24	G563-302-1K	10	12:25																	
25	G563-302-1L	100	12:29																	
26	G563-302-1M	100	12:32																	
27	**GYD-CS-05**	10	12:35																	
28	**GYD-CS-05-DUP**	10	12:38																	
29	**GYD-CS-05-DUP**	50	12:42																	
30	**GYD-CS-05-DUP**	10	12:45																	
31	ccv3	1	12:48																	
32	ccb3	1	12:52																	
33	icsA2	1	12:55																	
34	icsB2	1	12:58																	
35	ccv4	1	13:02																	

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 070109a

Case No: G368-70

Instrument ID: ICPMS Analysis Method: 6020

Start Date: 7/1/2009 End Date: 7/1/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
36	ccb4	1	13:05																	

Prep Report for Batch 14543 (METALS/3050/SOIL) on 2009-06-30 by crn

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time	Balance
G128-2395-1L (628842)		0.54			50	R-1673	R-1671		HB 2	1330	pb3002-sb
G128-2395-2J (628843)		0.51			50	R-1673	R-1671		HB 2	1330	pb3002-sb
G128-2395-3J (628844)		0.56			50	R-1673	R-1671		HB 2	1330	pb3002-sb
G128-2395-4L (628845)		0.52			50	R-1673	R-1671		HB 2	1330	pb3002-sb
G185-414-13I (628839)		0.55			50	R-1673	R-1671		HB 2	1330	pb3002-sb
G185-414-30I (628840)		0.54			50	R-1673	R-1671		HB 2	1330	pb3002-sb
G185-414-47I (628841)		0.56			50	R-1673	R-1671		HB 2	1330	pb3002-sb
G368-70-1C (628836)		0.51			50	R-1673	R-1671		HB 2	1330	pb3002-sb
G368-70-2C (628837)		0.58			50	R-1673	R-1671		HB 2	1330	pb3002-sb
G563-302-1K (628832)		0.54			50	R-1673	R-1671		HB 2	1330	pb3002-sb
G563-302-1L (628833)	ms	0.55	0623-752,0608-742,06	.5,.5,.25	50	R-1673	R-1671		HB 2	1330	pb3002-sb
G563-302-1M (628834)	msd	0.55	0623-752,0608-742,06	.5,.5,.25	50	R-1673	R-1671		HB 2	1330	pb3002-sb
G563-302-1N (628835)	dup	0.53			50	R-1673	R-1671		HB 2	1330	pb3002-sb
G563-302-2M (628838)		0.58			50	R-1673	R-1671		HB 2	1330	pb3002-sb
lcd14543	lcd	0.50	0623-752,0608-742,06	.5,.5,.25	50	R-1673	R-1671		HB 2	1330	pb3002-sb
lcs14543	lcs	0.54	0623-752,0608-742,06	.5,.5,.25	50	R-1673	R-1671		HB 2	1330	pb3002-sb
pb14543	pb	0.55			50	R-1673	R-1671		HB 2	1330	pb3002-sb

SGS North America, Inc.

Sample/Batch Report

User Name: rml
Computer Name: RML
Sample File: C:\elandata\Sample\070109a.sam
Report Date/Time: Wednesday, July 01, 2009 13:37:11

Curve → MSC062909-1

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
5		icv - FeAl							
3		ccv1 ✓							
1		ccb1 ✓							
6		icsA1 ✓							
7		icsB1 ✓							
2		lowstd							
30		pb14549 x10 ✓							
31		lcs14549 x100 ✓							
32		lcd14549 x100 ✓							
33		G171-301-1B x10							
34		G171-301-1C ms x100 ✓							
35		G171-301-1D msd x100 ✓							
36		G171-301-1B SD x50							
3		ccv2 ✓							
1		ccb2 ✓							
37		pb14543 x10							
38		lcs14543 x100 ✓							
39		lcd14543 x100 ✓							
40		G563-302-1K x10							
41		G563-302-1L ms x100 ✓							
42		G563-302-1M msd x100 ✓							
43		G368-70-1C x10							
44		G368-70-2C x10							
45		G368-70-2C SD x50							
46		G368-70-2C PDS x10							
3		ccv3 ✓							
1		ccb3 ✓							
6		icsA2 ✓							
7		icsB2 ✓							
3		ccv4 ✓							
1		ccb4 ✓							

Sc 204748 - 170624 - 51187

Ge 78152 - 65127 - 19538

Lu 134996 - 112497 - 33749

Quantitative Analysis - Summary

Sample ID: Blank

Autosampler Position: 1
Sample Date/Time: Wednesday, July 01, 2009 11:15:10
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\Blank.001

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	73779.536					ppb
	Mg	24	5175.443					ppb
	Al	27	23500.423					ppb
	K	39	1018153.598					ppb
	Ca	43	3173.918					ppb
>	Sc	45	170624.303					ppb
	Cr	52	6621.989					ppb
	Fe	57	10954.182					ppb
>	Ge	72	65127.922					ppb
>	Lu	175	112497.660					ppb
	Pb	208	1594.504					ppb
	Kr	83	131.668					ppb
	La	139	146.112					ppb

Quantitative Analysis - Summary

Sample ID: Standard 1

Autosampler Position: 1
Sample Date/Time: Wednesday, July 01, 2009 11:17:26
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\Standard 1.002

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	60438.939	-0.078				ppb
|	Mg	24	4091.527	-0.006				ppb
|	Al	27	18132.943	-0.031				ppb
|	K	39	1021025.885	0.015				ppb
|	Ca	43	2970.512	-0.001				ppb
⌊>	Sc	45	170700.936	170700.936				ppb
⌈	Cr	52	6531.918	-0.001				ppb
|	Fe	57	10800.651	-0.002				ppb
⌊>	Ge	72	65099.886	65099.886				ppb
⌈>	Lu	175	112641.849	112641.849				ppb
⌊	Pb	208	998.912	-0.005				ppb
⌈	Kr	83	123.334	-8.333				ppb
⌊	La	139	127.779	-18.334				ppb

Quantitative Analysis - Summary

Sample ID: Standard 2

Autosampler Position: 2
Sample Date/Time: Wednesday, July 01, 2009 11:19:43
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\Standard 2.003

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	120375.735	0.270	**10.000**	0.288	2.9	ppb
|	Mg	24	52850.958	0.278	**10.000**	0.115	1.2	ppb
|	Al	27	84281.150	0.354	**10.000**	0.175	1.7	ppb
|	K	39	1116936.021	0.548	**10.000**	1.317	13.2	ppb
|	Ca	43	3064.990	-0.001	**10.000**	11.825	118.3	ppb
⌊>	Sc	45	171444.805	171444.805				ppb
⌈	Cr	52	7223.583	0.009	**0.100**	0.040	40.5	ppb
|	Fe	57	13666.380	0.042	**10.000**	0.365	3.6	ppb
⌊>	Ge	72	65075.814	65075.814				ppb
⌈>	Lu	175	113829.939	113829.939				ppb
⌊	Pb	208	4744.401	0.028	**0.100**	0.004	4.0	ppb
⌈	Kr	83	123.334	-8.333				ppb
⌊	La	139	71.667	-74.445				ppb

Quantitative Analysis - Summary

Sample ID: Standard 3

Autosampler Position: 3
Sample Date/Time: Wednesday, July 01, 2009 11:21:59
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\Standard 3.004

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	5667936.189	32.433	**500.047**	4.402	0.9	ppb
|	Mg	24	3737789.483	21.645	**500.035**	10.059	2.0	ppb
|	Al	27	5117462.951	29.536	**500.035**	8.682	1.7	ppb
|	K	39	8698420.668	44.473	**500.041**	5.586	1.1	ppb
|	Ca	43	12807.286	0.056	**500.059**	12.271	2.5	ppb
⌊>	Sc	45	172453.992	172453.992				ppb
⌈	Cr	52	50274.508	0.659	**5.000**	0.056	1.1	ppb
|	Fe	57	165850.732	2.340	**500.006**	2.787	0.6	ppb
⌊>	Ge	72	66136.618	66136.618				ppb
⌈>	Lu	175	116091.048	116091.048				ppb
⌊	Pb	208	198712.770	1.698	**5.000**	0.042	0.8	ppb
⌈	Kr	83	126.668	-5.000				ppb
⌊	La	139	527.794	381.682				ppb

Quantitative Analysis - Summary

Sample ID: Standard 4

Autosampler Position: 4
Sample Date/Time: Wednesday, July 01, 2009 11:24:16
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\Standard 4.005

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	11336349.379	65.754	**1001.818**	8.212	0.8	ppb
|	Mg	24	7633759.072	44.537	**1004.735**	6.026	0.6	ppb
|	Al	27	10277397.111	59.868	**1002.003**	12.350	1.2	ppb
|	K	39	16207814.689	88.657	**999.100**	8.892	0.9	ppb
|	Ca	43	23006.214	0.116	**1004.416**	1.152	0.1	ppb
⌊>	Sc	45	171283.240	171283.240				ppb
⌈	Cr	52	94455.232	1.339	**10.026**	0.379	3.8	ppb
|	Fe	57	317095.729	4.668	**999.430**	23.040	2.3	ppb
⌊>	Ge	72	65593.156	65593.156				ppb
⌈>	Lu	175	117427.704	117427.704				ppb
⌊	Pb	208	399935.960	3.392	**9.995**	0.072	0.7	ppb
⌈	Kr	83	143.890	12.222				ppb
⌊	La	139	1022.283	876.170				ppb

Quantitative Analysis - Summary

Sample ID: icv

Autosampler Position: 5
Sample Date/Time: Wednesday, July 01, 2009 11:26:34
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\icv.006

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	55132076.860	326.178	**4951.970**	43.107	0.9	ppb
|	Mg	24	36525028.690	216.351	**4864.137**	64.592	1.3	ppb
|	Al	27	1420120.837	8.275	**141.354**	1.174	0.8	ppb
|	K	39	73741226.607	430.905	**4850.720**	10.117	0.2	ppb
|	Ca	43	99765.138	0.572	**4907.874**	34.093	0.7	ppb
⌊>	Sc	45	168794.888	168794.888				ppb
⌈	Cr	52	94420.432	1.345	**10.070**	0.052	0.5	ppb
|	Fe	57	51467.626	0.620	**133.258**	1.013	0.8	ppb
⌊>	Ge	72	65262.784	65262.784				ppb
⌈>	Lu	175	114460.426	114460.426				ppb
⌊	Pb	208	193027.010	1.672	**4.936**	0.049	1.0	ppb
⌈	Kr	83	139.446	7.778				ppb
⌊	La	139	362.785	216.673				ppb

Quantitative Analysis - Summary

Sample ID: ccv1
Autosampler Position: 3
Sample Date/Time: Wednesday, July 01, 2009 11:29:51
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\ccv1.007

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	5724352.043	33.405	**511.128**	8.355	1.6	ppb
	Mg	24	3748529.995	22.127	**501.350**	2.046	0.4	ppb
	Al	27	5208411.625	30.649	**514.587**	7.783	1.5	ppb
	K	39	8798503.550	46.037	**519.459**	5.033	1.0	ppb
	Ca	43	12490.710	0.055	**487.471**	9.705	2.0	ppb
>	Sc	45	169181.787	169181.787				ppb
	Cr	52	50392.448	0.675	**5.068**	0.106	2.1	ppb
	Fe	57	165865.152	2.387	**511.331**	1.756	0.3	ppb
>	Ge	72	64910.162	64910.162				ppb
>	Lu	175	114373.158	114373.158				ppb
	Pb	208	195125.115	1.692	**4.993**	0.053	1.1	ppb
	Kr	83	121.112	-10.556				ppb
	La	139	445.012	298.899				ppb

Quantitative Analysis - Summary

Sample ID: ccb1

Autosampler Position: 1
Sample Date/Time: Wednesday, July 01, 2009 11:33:07
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\ccb1.008

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	60194.435	-0.073	**3.330**	0.106	3.2	ppb
	Mg	24	4623.462	-0.003	**4.261**	0.017	0.4	ppb
	Al	27	16779.101	-0.038	**2.677**	0.065	2.4	ppb
	K	39	1035917.454	0.212	**3.750**	0.558	14.9	ppb
	Ca	43	2246.404	-0.005	**-29.039**	2.608	9.0	ppb
>	Sc	45	167641.677	167641.677				ppb
	Cr	52	6182.772	-0.005	**-0.007**	0.005	81.9	ppb
	Fe	57	10969.197	0.003	**1.057**	0.655	61.9	ppb
>	Ge	72	64187.524	64187.524				ppb
>	Lu	175	114409.774	114409.774				ppb
	Pb	208	895.019	-0.006	**-0.004**	0.002	57.9	ppb
	Kr	83	145.001	13.334				ppb
	La	139	132.223	-13.889				ppb

Quantitative Analysis - Summary

Sample ID: icsA1

Autosampler Position: 6
Sample Date/Time: Wednesday, July 01, 2009 11:36:25
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\icsA1.009

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	55629279.936	334.214	**5073.864**	133.166	2.6	ppb
	Mg	24	36822001.088	221.459	**4978.890**	69.376	1.4	ppb
	Al	27	51181616.984	307.696	**5136.212**	21.089	0.4	ppb
	K	39	72562128.512	430.450	**4845.604**	75.850	1.6	ppb
	Ca	43	99205.956	0.578	**4956.201**	40.995	0.8	ppb
>	Sc	45	166268.890	166268.890				ppb
	Cr	52	6063.799	-0.011	**-0.045**	0.013	28.3	ppb
	Fe	57	1505385.869	22.458	**4806.524**	34.891	0.7	ppb
>	Ge	72	66530.758	66530.758				ppb
>	Lu	175	115439.682	115439.682				ppb
	Pb	208	1275.036	-0.003	**0.006**	0.001	19.3	ppb
	Kr	83	140.001	8.333				ppb
	La	139	395.565	249.452				ppb

Quantitative Analysis - Summary

Sample ID: icsB1

Autosampler Position: 7
Sample Date/Time: Wednesday, July 01, 2009 11:39:43
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\icsB1.010

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	55443418.019	334.648	**5080.455**	35.605	0.7	ppb
|	Mg	24	36903738.759	223.014	**5013.815**	39.555	0.8	ppb
|	Al	27	52351944.665	316.252	**5278.945**	62.713	1.2	ppb
|	K	39	74222335.920	442.627	**4982.643**	39.807	0.8	ppb
|	Ca	43	99633.041	0.584	**5003.212**	66.883	1.3	ppb
⌊>	Sc	45	165460.062	165460.062				ppb
⌈	Cr	52	31605.610	0.377	**2.847**	0.061	2.1	ppb
|	Fe	57	1497929.840	22.517	**4819.127**	36.370	0.8	ppb
⌊>	Ge	72	66036.998	66036.998				ppb
⌈>	Lu	175	114585.437	114585.437				ppb
⌊	Pb	208	115328.487	0.992	**2.935**	0.013	0.4	ppb
⌈	Kr	83	151.668	20.000				ppb
⌊	La	139	611.133	465.020				ppb

Quantitative Analysis - Summary

Sample ID: lowstd

Autosampler Position: 2
Sample Date/Time: Wednesday, July 01, 2009 11:43:01
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\lowstd.011

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	123024.036	0.311	**9.160**	0.158	1.7	ppb
|	Mg	24	55457.860	0.305	**11.170**	0.117	1.0	ppb
|	Al	27	87379.082	0.390	**9.816**	0.179	1.8	ppb
|	K	39	1160119.153	1.044	**13.112**	0.652	5.0	ppb
|	Ca	43	2254.740	-0.005	**-27.106**	4.433	16.4	ppb
⌊>	Sc	45	165464.022	165464.022				ppb
⌈	Cr	52	6748.197	0.003	**0.055**	0.015	28.0	ppb
|	Fe	57	13878.941	0.047	**10.500**	0.086	0.8	ppb
⌊>	Ge	72	64545.745	64545.745				ppb
⌈>	Lu	175	112227.509	112227.509				ppb
⌊	Pb	208	4649.939	0.027	**0.095**	0.005	5.8	ppb
⌈	Kr	83	120.001	-11.667				ppb
⌊	La	139	56.667	-89.446				ppb

Quantitative Analysis - Summary

Sample ID: pb14549 x10

Autosampler Position: 30
Sample Date/Time: Wednesday, July 01, 2009 11:46:19
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\pb14549 x10.012

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	60146.888	-0.066	**3.435**	0.045	1.3	ppb
|	Mg	24	4684.606	-0.002	**4.282**	0.018	0.4	ppb
|	Al	27	12336.050	-0.063	**2.259**	0.049	2.2	ppb
|	K	39	1049460.383	0.420	**6.082**	1.011	16.6	ppb
|	Ca	43	1868.537	-0.007	**-46.415**	7.270	15.7	ppb
⌊>	Sc	45	164313.442	164313.442				ppb
⌈	Cr	52	5927.593	-0.007	**-0.018**	0.006	35.9	ppb
|	Fe	57	10573.704	0.001	**0.681**	0.938	137.6	ppb
⌊>	Ge	72	62525.396	62525.396				ppb
⌈>	Lu	175	109661.697	109661.697				ppb
⌊	Pb	208	510.006	-0.010	**-0.013**	0.001	5.6	ppb
⌈	Kr	83	127.779	-3.889				ppb
⌊	La	139	47.778	-98.334				ppb

Quantitative Analysis - Summary

Sample ID: lcs14549 x100

Autosampler Position: 31
Sample Date/Time: Wednesday, July 01, 2009 11:49:38
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\lcs14549 x100.013

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	60757.824	-0.060	**3.525**	0.110	3.1	ppb
|	Mg	24	3298.409	-0.010	**4.095**	0.022	0.5	ppb
|	Al	27	12196.402	-0.063	**2.253**	0.043	1.9	ppb
|	K	39	1063765.830	0.545	**7.490**	0.757	10.1	ppb
|	Ca	43	1862.423	-0.007	**-46.134**	1.817	3.9	ppb
⌊>	Sc	45	163366.315	163366.315				ppb
⌈	Cr	52	41471.740	0.543	**4.087**	0.047	1.2	ppb
|	Fe	57	16816.943	0.093	**20.451**	0.920	4.5	ppb
⌊>	Ge	72	64308.987	64308.987				ppb
⌈>	Lu	175	112695.727	112695.727				ppb
⌊	Pb	208	155682.178	1.367	**4.038**	0.011	0.3	ppb
⌈	Kr	83	134.446	2.778				ppb
⌊	La	139	74.445	-71.668				ppb

Quantitative Analysis - Summary

Sample ID: lcd14549 x100

Autosampler Position: 32
Sample Date/Time: Wednesday, July 01, 2009 11:52:56
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\lcd14549 x100.014

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	60328.704	-0.067	**3.431**	0.108	3.1	ppb
|	Mg	24	2700.979	-0.014	**4.009**	0.021	0.5	ppb
|	Al	27	11637.860	-0.067	**2.184**	0.058	2.6	ppb
|	K	39	1078531.226	0.572	**7.796**	0.857	11.0	ppb
|	Ca	43	1815.747	-0.008	**-49.485**	1.338	2.7	ppb
⌊>	Sc	45	164951.715	164951.715				ppb
⌈	Cr	52	42938.346	0.563	**4.231**	0.038	0.9	ppb
|	Fe	57	16952.207	0.094	**20.612**	0.613	3.0	ppb
⌊>	Ge	72	64638.664	64638.664				ppb
⌈>	Lu	175	111386.668	111386.668				ppb
⌊	Pb	208	156421.813	1.390	**4.106**	0.079	1.9	ppb
⌈	Kr	83	135.557	3.889				ppb
⌊	La	139	75.556	-70.556				ppb

Quantitative Analysis - Summary

Sample ID: G171-301-1B x10

Autosampler Position: 33
Sample Date/Time: Wednesday, July 01, 2009 11:56:11
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\G171-301-1B x10.015

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	S	S	**S**	S	S	ppb
|	Mg	24	48664126.764	247.361	**5560.704**	53.235	1.0	ppb
|	Al	27	21143.676	-0.030	**2.800**	0.047	1.7	ppb
|	K	39	146203011.565	737.214	**8297.902**	21.523	0.3	ppb
|	Ca	43	69399.386	0.334	**2871.936**	45.396	1.6	ppb
⌊>	Sc	45	196720.889	196720.889				ppb
⌈	Cr	52	7176.875	0.012	**0.120**	0.004	3.6	ppb
|	Fe	57	20106.755	0.149	**32.429**	0.544	1.7	ppb
⌊>	Ge	72	63330.666	63330.666				ppb
⌈>	Lu	175	109301.418	109301.418				ppb
⌊	Pb	208	706.123	-0.008	**-0.008**	0.001	10.8	ppb
⌈	Kr	83	149.446	17.778				ppb
⌊	La	139	88.889	-57.223				ppb

Quantitative Analysis - Summary

Sample ID: G171-301-1C ms x100

Autosampler Position: 34
Sample Date/Time: Wednesday, July 01, 2009 11:59:27
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\G171-301-1C ms x100.016

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	39996676.503	239.271	**3633.747**	95.244	2.6	ppb
|	Mg	24	593476.175	3.526	**83.532**	1.525	1.8	ppb
|	Al	27	12535.225	-0.063	**2.260**	0.053	2.4	ppb
|	K	39	4221643.761	19.330	**218.896**	1.975	0.9	ppb
|	Ca	43	3017.195	-0.001	**10.952**	3.302	30.2	ppb
⌊>	Sc	45	166887.808	166887.808				ppb
⌈	Cr	52	42720.647	0.553	**4.162**	0.133	3.2	ppb
|	Fe	57	16775.753	0.089	**19.522**	0.816	4.2	ppb
⌊>	Ge	72	65229.747	65229.747				ppb
⌈>	Lu	175	113696.700	113696.700				ppb
⌊	Pb	208	158829.551	1.383	**4.084**	0.063	1.5	ppb
⌈	Kr	83	112.223	-19.445				ppb
⌊	La	139	78.334	-67.779				ppb

Quantitative Analysis - Summary

Sample ID: G171-301-1D msd x100

Autosampler Position: 35
Sample Date/Time: Wednesday, July 01, 2009 12:02:42
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\G171-301-1D msd x100.017

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	42269220.042	253.595	**3851.025**	52.424	1.4	ppb
|	Mg	24	618635.310	3.688	**87.159**	1.461	1.7	ppb
|	Al	27	11261.249	-0.070	**2.136**	0.057	2.7	ppb
|	K	39	4362104.036	20.249	**229.236**	2.424	1.1	ppb
|	Ca	43	2860.475	-0.001	**3.336**	4.333	129.9	ppb
⌊>	Sc	45	166396.126	166396.126				ppb
⌈	Cr	52	42502.863	0.553	**4.161**	0.100	2.4	ppb
|	Fe	57	16863.145	0.092	**20.085**	0.980	4.9	ppb
⌊>	Ge	72	64911.255	64911.255				ppb
⌈>	Lu	175	112764.435	112764.435				ppb
⌊	Pb	208	158038.719	1.387	**4.097**	0.059	1.4	ppb
⌈	Kr	83	116.112	-15.556				ppb
⌊	La	139	86.667	-59.445				ppb

Quantitative Analysis - Summary

Sample ID: G171-301-1B SD x50

Autosampler Position: 36
Sample Date/Time: Wednesday, July 01, 2009 12:05:59
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\G171-301-1B SD x50.018

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	S	S	**S**	S	S	ppb
|	Mg	24	10503129.713	61.211	**1379.279**	12.588	0.9	ppb
|	Al	27	13729.817	-0.058	**2.342**	0.017	0.7	ppb
|	K	39	31717640.598	178.985	**2015.639**	27.483	1.4	ppb
|	Ca	43	15618.581	0.072	**634.786**	5.569	0.9	ppb
⌊>	Sc	45	171503.744	171503.744				ppb
⌈	Cr	52	6338.441	-0.004	**0.002**	0.011	503.6	ppb
|	Fe	57	12450.095	0.023	**5.477**	1.148	21.0	ppb
⌊>	Ge	72	65023.280	65023.280				ppb
⌈>	Lu	175	113944.219	113944.219				ppb
⌊	Pb	208	782.236	-0.007	**-0.007**	0.002	23.0	ppb
⌈	Kr	83	113.890	-17.778				ppb
⌊	La	139	65.000	-81.112				ppb

Quantitative Analysis - Summary

Sample ID: ccv2
Autosampler Position: 3
Sample Date/Time: Wednesday, July 01, 2009 12:09:15
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\ccv2.019

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	5768011.636	34.699	**530.764**	12.569	2.4	ppb
|	Mg	24	3779920.832	22.991	**520.760**	9.973	1.9	ppb
|	Al	27	5179101.398	31.405	**527.195**	7.960	1.5	ppb
|	K	39	8953277.808	48.564	**547.889**	1.958	0.4	ppb
|	Ca	43	11868.720	0.054	**474.259**	3.169	0.7	ppb
⌊>	Sc	45	164190.008	164190.008				ppb
⌈	Cr	52	49950.420	0.670	**5.032**	0.069	1.4	ppb
|	Fe	57	164572.740	2.374	**508.533**	2.980	0.6	ppb
⌊>	Ge	72	64736.049	64736.049				ppb
⌈>	Lu	175	112302.354	112302.354				ppb
⌊	Pb	208	191999.851	1.696	**5.004**	0.034	0.7	ppb
⌈	Kr	83	102.223	-29.445				ppb
⌊	La	139	469.457	323.345				ppb

Quantitative Analysis - Summary

Sample ID: ccb2
Autosampler Position: 1
Sample Date/Time: Wednesday, July 01, 2009 12:12:32
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\ccb2.020

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	74182.912	0.030	**4.898**	0.223	4.6	ppb
|	Mg	24	4677.936	-0.001	**4.296**	0.010	0.2	ppb
|	Al	27	16538.077	-0.035	**2.727**	0.058	2.1	ppb
|	K	39	1120042.236	1.014	**12.773**	0.765	6.0	ppb
|	Ca	43	1426.785	-0.010	**-67.570**	2.745	4.1	ppb
⌊>	Sc	45	160441.006	160441.006				ppb
⌈	Cr	52	6022.659	-0.007	**-0.018**	0.010	56.5	ppb
|	Fe	57	11316.868	0.010	**2.618**	0.008	0.3	ppb
⌊>	Ge	72	63508.094	63508.094				ppb
⌈>	Lu	175	111211.687	111211.687				ppb
⌊	Pb	208	888.907	-0.006	**-0.003**	0.002	43.7	ppb
⌈	Kr	83	122.223	-9.445				ppb
⌊	La	139	126.668	-19.445				ppb

Quantitative Analysis - Summary

Sample ID: pb14543 x10

Autosampler Position: 37
Sample Date/Time: Wednesday, July 01, 2009 12:15:49
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\pb14543 x10.021

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	98838.089	0.196	**7.409**	0.266	3.6	ppb
|	Mg	24	5117.074	0.002	**4.372**	0.014	0.3	ppb
|	Al	27	12723.833	-0.057	**2.356**	0.043	1.8	ppb
|	K	39	1095089.411	0.991	**12.517**	0.416	3.3	ppb
|	Ca	43	1378.444	-0.010	**-68.710**	3.612	5.3	ppb
⌊>	Sc	45	157370.071	157370.071				ppb
⌈	Cr	52	8885.688	0.039	**0.324**	0.013	4.1	ppb
|	Fe	57	10762.270	0.002	**0.947**	0.408	43.0	ppb
⌊>	Ge	72	63168.964	63168.964				ppb
⌈>	Lu	175	108792.757	108792.757				ppb
⌊	Pb	208	817.237	-0.007	**-0.005**	0.001	24.8	ppb
⌈	Kr	83	122.223	-9.445				ppb
⌊	La	139	58.889	-87.223				ppb

Quantitative Analysis - Summary

Sample ID: lcs14543 x100

Autosampler Position: 38
Sample Date/Time: Wednesday, July 01, 2009 12:19:05
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\lcs14543 x100.022

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	214085.265	0.923	**18.439**	0.101	0.5	ppb
|	Mg	24	101700.836	0.614	**18.104**	0.228	1.3	ppb
|	Al	27	156252.832	0.851	**17.508**	0.118	0.7	ppb
|	K	39	1303383.650	2.284	**27.062**	0.932	3.4	ppb
|	Ca	43	1786.852	-0.007	**-46.927**	2.341	5.0	ppb
⌊>	Sc	45	157977.298	157977.298				ppb
⌈	Cr	52	41884.284	0.559	**4.201**	0.043	1.0	ppb
|	Fe	57	16970.021	0.099	**21.730**	0.374	1.7	ppb
⌊>	Ge	72	63441.501	63441.501				ppb
⌈>	Lu	175	112359.790	112359.790				ppb
⌊	Pb	208	157175.044	1.385	**4.089**	0.024	0.6	ppb
⌈	Kr	83	131.112	-0.556				ppb
⌊	La	139	78.889	-67.223				ppb

Quantitative Analysis - Summary

Sample ID: lcd14543 x100

Autosampler Position: 39
Sample Date/Time: Wednesday, July 01, 2009 12:22:26
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\lcd14543 x100.023

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	207968.360	0.887	**17.894**	0.593	3.3	ppb
|	Mg	24	97365.653	0.587	**17.515**	0.076	0.4	ppb
|	Al	27	154546.625	0.843	**17.361**	0.307	1.8	ppb
|	K	39	1305597.030	2.315	**27.409**	0.369	1.3	ppb
|	Ca	43	1736.287	-0.008	**-49.444**	7.792	15.8	ppb
⌊>	Sc	45	157641.626	157641.626				ppb
⌈	Cr	52	41990.366	0.562	**4.231**	0.112	2.7	ppb
|	Fe	57	16749.035	0.097	**21.170**	0.480	2.3	ppb
⌊>	Ge	72	63230.495	63230.495				ppb
⌈>	Lu	175	112167.851	112167.851				ppb
⌊	Pb	208	155871.565	1.375	**4.062**	0.048	1.2	ppb
⌈	Kr	83	108.890	-22.778				ppb
⌊	La	139	70.000	-76.112				ppb

Quantitative Analysis - Summary

Sample ID: G563-302-1K x10

Autosampler Position: 40
Sample Date/Time: Wednesday, July 01, 2009 12:25:43
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\G563-302-1K x10.024

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	410635.307	1.759	**31.115**	11.743	37.7	ppb
|	Mg	24	10307882.950	55.027	**1240.374**	7.849	0.6	ppb
|	Al	27	97725929.466	521.846	**8708.621**	51.209	0.6	ppb
|	K	39	15973270.832	79.352	**894.382**	3.567	0.4	ppb
|	Ca	43	9635.938	0.033	**296.343**	6.521	2.2	ppb
⌊>	Sc	45	187217.787	187217.787				ppb
⌈	Cr	52	309793.154	4.695	**35.069**	0.232	0.7	ppb
|	Fe	57	3113987.324	48.053	**10284.091**	148.644	1.4	ppb
⌊>	Ge	72	64582.129	64582.129				ppb
⌈>	Lu	175	114648.577	114648.577				ppb
⌊	Pb	208	371122.185	3.223	**9.500**	0.137	1.4	ppb
⌈	Kr	83	131.112	-0.556				ppb
⌊	La	139	269306.340	269160.228				ppb

Quantitative Analysis - Summary

Sample ID: G563-302-1L ms x100

Autosampler Position: 41
Sample Date/Time: Wednesday, July 01, 2009 12:29:01
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\G563-302-1L ms x100.025

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	224099.399	0.975	**19.234**	0.302	1.6	ppb
	Mg	24	576598.567	3.591	**84.994**	0.828	1.0	ppb
	Al	27	6499202.627	40.683	**681.969**	3.161	0.5	ppb
	K	39	2881220.097	12.129	**137.861**	0.456	0.3	ppb
	Ca	43	1955.778	-0.006	**-38.602**	4.442	11.5	ppb
>	Sc	45	159215.765	159215.765				ppb
	Cr	52	50335.420	0.685	**5.142**	0.081	1.6	ppb
	Fe	57	233433.805	3.478	**744.788**	2.263	0.3	ppb
>	Ge	72	64021.896	64021.896				ppb
>	Lu	175	112481.332	112481.332				ppb
	Pb	208	183891.820	1.621	**4.784**	0.057	1.2	ppb
	Kr	83	123.334	-8.333				ppb
	La	139	18048.318	17902.205				ppb

Quantitative Analysis - Summary

Sample ID: G563-302-1M msd x100

Autosampler Position: 42
Sample Date/Time: Wednesday, July 01, 2009 12:32:19
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\G563-302-1M msd x100.026

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	232907.633	1.049	**20.348**	0.295	1.4	ppb
|	Mg	24	496157.671	3.125	**74.517**	0.453	0.6	ppb
|	Al	27	6478154.718	41.059	**688.239**	4.957	0.7	ppb
|	K	39	2760567.093	11.588	**131.771**	0.888	0.7	ppb
|	Ca	43	2595.391	-0.002	**-2.519**	2.770	110.0	ppb
⌊>	Sc	45	157250.139	157250.139				ppb
⌈	Cr	52	49995.135	0.676	**5.079**	0.065	1.3	ppb
|	Fe	57	199319.585	2.933	**628.199**	9.741	1.6	ppb
⌊>	Ge	72	64278.239	64278.239				ppb
⌈>	Lu	175	113053.386	113053.386				ppb
⌊	Pb	208	197619.124	1.734	**5.118**	0.075	1.5	ppb
⌈	Kr	83	111.112	-20.556				ppb
⌊	La	139	17674.211	17528.099				ppb

Quantitative Analysis - Summary

Sample ID: G368-70-1C x10

Autosampler Position: 43
Sample Date/Time: Wednesday, July 01, 2009 12:35:37
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\G368-70-1C x10.027

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	557758.399	2.675	**45.021**	0.391	0.9	ppb
	Mg	24	28408876.104	158.244	**3558.903**	24.481	0.7	ppb
	Al	27	154169739.329	858.864	**14330.682**	109.784	0.8	ppb
	K	39	39515242.497	214.188	**2411.811**	48.515	2.0	ppb
	Ca	43	28654.772	0.141	**1220.945**	12.245	1.0	ppb
>	Sc	45	179484.896	179484.896				ppb
	Cr	52	160407.972	2.276	**17.019**	0.287	1.7	ppb
	Fe	57	9084065.843	134.501	**28784.317**	113.244	0.4	ppb
>	Ge	72	67457.963	67457.963				ppb
>	Lu	175	113105.101	113105.101				ppb
	Pb	208	366353.129	3.226	**9.506**	0.185	1.9	ppb
	Kr	83	133.334	1.667				ppb
	La	139	596753.822	596607.710				ppb

Quantitative Analysis - Summary

Sample ID: G368-70-2C x10

Autosampler Position: 44
Sample Date/Time: Wednesday, July 01, 2009 12:38:56
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\G368-70-2C x10.028

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	512672.530	2.394	**40.751**	0.758	1.9	ppb
|	Mg	24	32289424.733	177.964	**4001.872**	43.301	1.1	ppb
|	Al	27	167899919.024	925.433	**15441.166**	255.631	1.7	ppb
|	K	39	42103321.106	226.124	**2546.134**	23.406	0.9	ppb
|	Ca	43	72528.867	0.381	**3273.856**	79.966	2.4	ppb
⌊>	Sc	45	181419.187	181419.187				ppb
⌈	Cr	52	189440.656	2.682	**20.047**	0.472	2.4	ppb
|	Fe	57	11054006.980	162.246	**34721.843**	411.162	1.2	ppb
⌊>	Ge	72	68063.222	68063.222				ppb
⌈>	Lu	175	113970.956	113970.956				ppb
⌊	Pb	208	440194.172	3.849	**11.341**	0.192	1.7	ppb
⌈	Kr	83	123.890	-7.778				ppb
⌊	La	139	655820.649	655674.536				ppb

Quantitative Analysis - Summary

Sample ID: G368-70-2C SD x50

Autosampler Position: 45
Sample Date/Time: Wednesday, July 01, 2009 12:42:15
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\G368-70-2C SD x50.029

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	153221.566	0.530	**12.476**	0.135	1.1	ppb
	Mg	24	6412985.583	40.238	**908.178**	13.640	1.5	ppb
	Al	27	33062708.484	207.483	**3464.491**	65.392	1.9	ppb
	K	39	9488426.818	53.614	**604.727**	4.386	0.7	ppb
	Ca	43	15600.217	0.079	**693.756**	18.233	2.6	ppb
>	Sc	45	159247.458	159247.458				ppb
	Cr	52	42958.438	0.567	**4.267**	0.019	0.5	ppb
	Fe	57	1577151.027	24.392	**5220.554**	24.301	0.5	ppb
>	Ge	72	64214.388	64214.388				ppb
>	Lu	175	111650.701	111650.701				ppb
	Pb	208	87333.834	0.768	**2.275**	0.065	2.9	ppb
	Kr	83	123.890	-7.778				ppb
	La	139	131798.770	131652.658				ppb

Quantitative Analysis - Summary

Sample ID: G368-70-2C PDS x10

Autosampler Position: 46
Sample Date/Time: Wednesday, July 01, 2009 12:45:34
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\G368-70-2C PDS x10.030

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	511243.023	2.402	**40.880**	0.384	0.9	ppb
	Mg	24	32404887.976	179.646	**4039.646**	61.774	1.5	ppb
	Al	27	168697502.096	935.263	**15605.154**	304.512	2.0	ppb
	K	39	42720593.434	230.908	**2599.979**	35.268	1.4	ppb
	Ca	43	73358.650	0.388	**3332.841**	64.611	1.9	ppb
>	Sc	45	180357.162	180357.162				ppb
	Cr	52	566235.159	8.147	**60.826**	0.557	0.9	ppb
	Fe	57	11385719.287	165.693	**35459.534**	415.759	1.2	ppb
>	Ge	72	68645.001	68645.001				ppb
>	Lu	175	113358.842	113358.842				ppb
	Pb	208	2118515.220	18.676	**54.970**	0.839	1.5	ppb
	Kr	83	129.445	-2.222				ppb
	La	139	664313.326	664167.214				ppb

Quantitative Analysis - Summary

Sample ID: ccv3

Autosampler Position: 3
Sample Date/Time: Wednesday, July 01, 2009 12:48:52
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\ccv3.031

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	5849392.865	38.588	**589.753**	9.519	1.6	ppb
|	Mg	24	3862840.508	25.737	**582.448**	9.660	1.7	ppb
|	Al	27	5236376.390	34.793	**583.705**	10.405	1.8	ppb
|	K	39	8794505.295	52.697	**594.405**	6.031	1.0	ppb
|	Ca	43	11099.364	0.055	**489.294**	15.415	3.2	ppb
⌊>	Sc	45	149922.517	149922.517				ppb
⌈	Cr	52	48511.120	0.666	**5.001**	0.077	1.5	ppb
|	Fe	57	163347.019	2.416	**517.433**	6.365	1.2	ppb
⌊>	Ge	72	63220.978	63220.978				ppb
⌈>	Lu	175	110561.905	110561.905				ppb
⌊	Pb	208	194544.874	1.746	**5.152**	0.095	1.8	ppb
⌈	Kr	83	119.445	-12.222				ppb
⌊	La	139	486.680	340.568				ppb

Quantitative Analysis - Summary

Sample ID: ccb3
Autosampler Position: 1
Sample Date/Time: Wednesday, July 01, 2009 12:52:08
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\ccb3.032

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	67385.126	0.010	**4.587**	0.083	1.8	ppb
	Mg	24	4988.666	0.002	**4.376**	0.014	0.3	ppb
	Al	27	18528.244	-0.016	**3.034**	0.065	2.1	ppb
	K	39	1066865.385	1.030	**12.954**	0.903	7.0	ppb
	Ca	43	1073.400	-0.012	**-83.422**	2.674	3.2	ppb
>	Sc	45	152471.594	152471.594				ppb
	Cr	52	5764.705	-0.010	**-0.044**	0.014	32.1	ppb
	Fe	57	11182.805	0.009	**2.404**	0.403	16.8	ppb
>	Ge	72	63107.373	63107.373				ppb
>	Lu	175	109731.815	109731.815				ppb
	Pb	208	1161.141	-0.004	**0.004**	0.001	24.0	ppb
	Kr	83	107.778	-23.889				ppb
	La	139	141.668	-4.444				ppb

Quantitative Analysis - Summary

Sample ID: icsA2

Autosampler Position: 6
Sample Date/Time: Wednesday, July 01, 2009 12:55:26
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\icsA2.033

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	58584439.527	385.579	**5852.980**	48.937	0.8	ppb
|	Mg	24	38853029.980	255.970	**5754.080**	78.700	1.4	ppb
|	Al	27	54642171.274	359.898	**6007.038**	38.018	0.6	ppb
|	K	39	76600159.210	498.754	**5614.295**	71.292	1.3	ppb
|	Ca	43	100555.883	0.644	**5519.317**	67.704	1.2	ppb
⌊>	Sc	45	151769.313	151769.313				ppb
⌈	Cr	52	5843.648	-0.013	**-0.060**	0.015	24.6	ppb
|	Fe	57	1503449.190	22.761	**4871.461**	40.224	0.8	ppb
⌊>	Ge	72	65572.910	65572.910				ppb
⌈>	Lu	175	111172.383	111172.383				ppb
⌊	Pb	208	1326.150	-0.002	**0.008**	0.003	32.9	ppb
⌈	Kr	83	102.223	-29.445				ppb
⌊	La	139	387.231	241.119				ppb

Quantitative Analysis - Summary

Sample ID: icsB2

Autosampler Position: 7
Sample Date/Time: Wednesday, July 01, 2009 12:58:44
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\icsB2.034

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	58250651.277	380.684	**5778.743**	85.219	1.5	ppb
|	Mg	24	39067093.680	255.578	**5745.291**	79.283	1.4	ppb
|	Al	27	54396925.778	355.771	**5938.199**	108.305	1.8	ppb
|	K	39	77540542.688	501.348	**5643.483**	57.939	1.0	ppb
|	Ca	43	100160.804	0.637	**5457.074**	50.307	0.9	ppb
⌊>	Sc	45	152847.602	152847.602				ppb
⌈	Cr	52	31838.133	0.384	**2.899**	0.034	1.2	ppb
|	Fe	57	1517726.993	22.988	**4920.109**	77.220	1.6	ppb
⌊>	Ge	72	65554.482	65554.482				ppb
⌈>	Lu	175	109851.616	109851.616				ppb
⌊	Pb	208	115552.858	1.038	**3.068**	0.055	1.8	ppb
⌈	Kr	83	105.556	-26.111				ppb
⌊	La	139	610.577	464.465				ppb

Quantitative Analysis - Summary

Sample ID: ccv4
Autosampler Position: 3
Sample Date/Time: Wednesday, July 01, 2009 13:02:02
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\ccv4.035

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	5899709.423	37.916	**579.552**	8.875	1.5	ppb
|	Mg	24	3973718.449	25.798	**583.822**	2.391	0.4	ppb
|	Al	27	5349264.991	34.631	**581.014**	0.477	0.1	ppb
|	K	39	9174496.704	53.667	**605.325**	6.064	1.0	ppb
|	Ca	43	11656.767	0.057	**503.946**	10.059	2.0	ppb
⌊>	Sc	45	153851.337	153851.337				ppb
⌈	Cr	52	50927.807	0.675	**5.072**	0.095	1.9	ppb
|	Fe	57	168465.936	2.402	**514.508**	9.415	1.8	ppb
⌊>	Ge	72	65549.381	65549.381				ppb
⌈>	Lu	175	111878.539	111878.539				ppb
⌊	Pb	208	192235.821	1.704	**5.029**	0.048	1.0	ppb
⌈	Kr	83	108.890	-22.778				ppb
⌊	La	139	434.455	288.343				ppb

Quantitative Analysis - Summary

Sample ID: ccb4
Autosampler Position: 1
Sample Date/Time: Wednesday, July 01, 2009 13:05:18
Sample File: C:\elandata\Sample\070109a.sam
Method File: c:\elandata\Method\6020newer.mth
Dataset File: C:\elandata\Dataset\070109\ccb4.036

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	68011.695	0.018	**4.714**	0.084	1.8	ppb
|	Mg	24	5243.817	0.004	**4.421**	0.019	0.4	ppb
|	Al	27	18294.971	-0.017	**3.028**	0.089	2.9	ppb
|	K	39	1081189.901	1.192	**14.776**	0.095	0.6	ppb
|	Ca	43	1021.172	-0.012	**-85.783**	2.706	3.2	ppb
⌊>	Sc	45	151015.696	151015.696				ppb
⌈	Cr	52	5690.767	-0.012	**-0.055**	0.012	21.6	ppb
|	Fe	57	11305.186	0.010	**2.670**	0.485	18.2	ppb
⌊>	Ge	72	63362.021	63362.021				ppb
⌈>	Lu	175	110067.687	110067.687				ppb
⌊	Pb	208	957.799	-0.005	**-0.001**	0.001	96.5	ppb
⌈	Kr	83	104.445	-27.223				ppb
⌊	La	139	150.557	4.445				ppb

8082 Prep, Standard, Run Logs

Prep Report for Batch 14542 (8082/3541/SOIL) on 2009-06-30 by dtf

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot	HexaneLot	Balance
G185-414-13H (628791)		32.00			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY832	PB3002-SA
G185-414-30H (628792)		31.83			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY832	PB3002-SA
G185-414-47H (628793)		34.51			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY832	PB3002-SA
G368-70-1B (628794)		33.94			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY832	PB3002-SA
G368-70-2B (628795)		32.22			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY832	PB3002-SA
G368-70-3B (628796)		33.37			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY832	PB3002-SA
G368-70-4B (628797)		32.39			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY832	PB3002-SA
G368-70-4C (628798)	MS	32.37	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ179	CY832	PB3002-SA
G368-70-4D (628799)	MSD	32.12	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ179	CY832	PB3002-SA
G368-70-7B (628800)		33.22			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY832	PB3002-SA
LCS14542	LCS	32.0	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ179	CY832	PB3002-SA
PB14542	PB	32.0			8080SRSV03W79U-Y	1.0	10.0	CZ179	CY832	PB3002-SA

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	6/16/2009 12:07					BWS	
001B0102.D	b	6/16/2009 12:19					BWS	
001B0103.D	b	6/16/2009 12:32					BWS	
001B0104.D	b	6/16/2009 12:45					BWS	
001B0105.D	b	6/16/2009 12:58					BWS	
002B0201.D	PCB 2000	6/16/2009 13:11					BWS	
002B0202.D	PCB 2000	6/16/2009 13:24					BWS	
002B0203.D	PCB 2000	6/16/2009 13:37					BWS	
002B0204.D	PCB 2000	6/16/2009 13:50					BWS	
002B0205.D	PCB 2000	6/16/2009 14:02					BWS	
003B0301.D	b	6/16/2009 14:15					BWS	
003B0302.D	b	6/16/2009 14:28					BWS	
003B0303.D	b	6/16/2009 14:40					BWS	
003B0304.D	b	6/16/2009 14:53					BWS	
003B0305.D	b	6/16/2009 15:06					BWS	
004B0401.D	A1221 x2000 ICAL	6/16/2009 15:19	Good curve F+B	✓	✓		BWS	
005B0501.D	A1221 x1000 ICAL	6/16/2009 15:32	↓	↓	↓		BWS	
006B0601.D	A1221 x500 ICAL	6/16/2009 15:45	↓	↓	↓		BWS	
007B0701.D	A1221 x200 ICAL	6/16/2009 15:57	↓	↓	↓		BWS	
008B0801.D	A1221 x100 ICAL	6/16/2009 16:10	↓	↓	↓		BWS	
009B0901.D	A1221 x40 ICAL	6/16/2009 16:23	↓	↓	↓		BWS	
010B1001.D	A1232 x2000 ICAL	6/16/2009 16:36	Good curve F+B	✓	✓		BWS	
011B1101.D	A1232 x1000 ICAL	6/16/2009 16:49	↓	↓	↓		BWS	
012B1201.D	A1232 x500 ICAL	6/16/2009 17:02	↓	↓	↓		BWS	

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

SGS North America, Inc.

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
013B1301.D	A1232 x200 ICAL	6/16/2009 17:15	Good Curve F + B	✓	✓		BWS	
014B1401.D	A1232 x100 ICAL	6/16/2009 17:28		↓	↓		BWS	
015B1501.D	A1232 x40 ICAL	6/16/2009 17:40		↓	↓		BWS	
016B1601.D	A1242 x2000 ICAL	6/16/2009 17:53	Good Curve F+B	✓	✓		BWS	
017B1701.D	A1242 x1000 ICAL	6/16/2009 18:06		↓	↓		BWS	
018B1801.D	A1242 x500 ICAL	6/16/2009 18:19		↓	↓		BWS	
019B1901.D	A1242 x200 ICAL	6/16/2009 18:32		↓	↓		BWS	
020B2001.D	A1242 x100 ICAL	6/16/2009 18:45		↓	↓		BWS	
021B2101.D	A1242 x40 ICAL	6/16/2009 18:58		↓	↓		BWS	
022B2201.D	A1248 x2000 ICAL	6/16/2009 19:11	Good Curve F+B	✓	✓		BWS	
023B2301.D	A1248 x1000 ICAL	6/16/2009 19:24		↓	↓		BWS	
024B2401.D	A1248 x500 ICAL	6/16/2009 19:37		↓	↓		BWS	
025B2501.D	A1248 x200 ICAL	6/16/2009 19:49		↓	↓		BWS	
026B2601.D	A1248 x100 ICAL	6/16/2009 20:02		↓	↓		BWS	
027B2701.D	A1248 x40 ICAL	6/16/2009 20:15		↓	↓		BWS	
028B2801.D	A1254 x2000 ICAL	6/16/2009 20:28	Good Curve F + B	✓	✓		BWS	
029B2901.D	A1254 x1000 ICAL	6/16/2009 20:41		↓	↓		BWS	
030B3001.D	A1254 x500 ICAL	6/16/2009 20:54		↓	↓		BWS	
031B3101.D	A1254 x200 ICAL	6/16/2009 21:07		↓	↓		BWS	
032B3201.D	A1254 x100 ICAL	6/16/2009 21:20		↓	↓		BWS	
033B3301.D	A1254 x40 ICAL	6/16/2009 21:33		↓	↓		BWS	
034B3401.D	PCB x2000 ICAL	6/16/2009 21:46	Good Curve F+B	✓	✓		BWS	
035B3501.D	PCB x1000 ICAL	6/16/2009 21:58		↓	↓		BWS	

Analyst: [illegible]

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 2

SGS North America, Inc.

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
036B3601.D	PCB x500 ICAL	6/16/2009 22:11	Good Curve F + B	✓	✓		BWS	
037B3701.D	PCB x200 ICAL	6/16/2009 22:24					BWS	
038B3801.D	PCB x100 ICAL	6/16/2009 22:37					BWS	
039B3901.D	PCB x40 ICAL	6/16/2009 22:50					BWS	
040B4001.D	cvs-1221-1000	6/16/2009 23:03			✓		BWS	
041B4101.D	cvs-1232-1000	6/16/2009 23:16			✓		BWS	
042B4201.D	cvs-1242-1000	6/16/2009 23:29			✓		BWS	
043B4301.D	cvs-1248-1000	6/16/2009 23:42			✓		BWS	
044B4401.D	cvs-1254-1000	6/16/2009 23:55			✓		BWS	
045B4501.D	cvs-PCB-1000	6/17/2009 0:07			✓		BWS	
046B4601.D	PB14434 x1	6/17/2009 0:20			✓		BWS	
047B4701.D	LCS14434 x1	6/17/2009 0:33			✓		BWS	
048B4801.D	LCSD14434 x1	6/17/2009 0:46			✓		BWS	
049B4901.D	G582-382-1O x100	6/17/2009 0:59	54-5; 60-3 (54,60)		~~X200~~ ✓		BWS	
050B5001.D	G582-386-1J x1	6/17/2009 1:12	54-5; 60-3 (54,60)		✓		BWS	
051B5101.D	G582-387-1I x1	6/17/2009 1:25			x5		BWS	
052B5201.D	G100-1090-6D x1	6/17/2009 1:38			✓		BWS	
044B5301.D	cvs-1254-1000	6/17/2009 1:50			✓		BWS	
045B5401.D	cvs-PCB-1000	6/17/2009 2:03			✓		BWS	
		BWS	6/17/09					

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

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SGS North America, Inc.

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec063009

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	6/30/2009 8:33					BWS	
002B0201.D	b	6/30/2009 8:46					BWS	
003B0301.D	b	6/30/2009 8:59					BWS	
004B0401.D	cvs-1221-1000	6/30/2009 9:11			✓		BWS	
005B0501.D	cvs-1232-1000	6/30/2009 9:24			✓		BWS	
006B0601.D	cvs-1242-1000	6/30/2009 9:37			✓		BWS	
007B0701.D	cvs-1248-1000	6/30/2009 9:50			✓		BWS	
008B0801.D	cvs-1254-1000	6/30/2009 10:03			✓		BWS	
009B0901.D	cvs-PCB-1000	6/30/2009 10:16			✓		BWS	
010B1001.D	PB14528 x1	6/30/2009 10:29			✓		BWS	
011B1101.D	LCS14528 x1	6/30/2009 10:42			✓		BWS	
012B1201.D	LCSD14528 x1	6/30/2009 10:55			✓		BWS	
013B1301.D	G100-1094-4D x1	6/30/2009 11:08			✓		BWS	
014B1401.D	PB14532 x1	6/30/2009 11:20			✓		BWS	
015B1501.D	LCS14532 x1	6/30/2009 11:33			✓		BWS	
016B1601.D	G128-2396-8J x1	6/30/2009 11:46			✓		BWS	
017B1701.D	G128-2396-8K MS x1	6/30/2009 11:59	cid= 628512		✓		BWS	
018B1801.D	G128-2396-8L MSD x1	6/30/2009 12:12	cid= 628513		✓		BWS	
019B1901.D	cvs-1254-1000	6/30/2009 12:25			✓		BWS	
020B2001.D	cvs-PCB-1000	6/30/2009 12:37			✓		BWS	
021B0101.D	PB14542 x1	6/30/2009 15:43			✓		BWS	
022B0201.D	LCS14542 x1	6/30/2009 15:56	peak 2,5		✓		BWS	
023B0301.D	G368-70-1B x1	6/30/2009 16:09			Cu		BWS	

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

SGS North America, Inc.

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec063009

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
024B0401.D	G368-70-2B x1	6/30/2009 16:21			cu		BWS	
025B0501.D	G368-70-3B x1	6/30/2009 16:34	(1260)		✓		BWS	
026B0601.D	G368-70-4B x1	6/30/2009 16:47			✓		BWS	
027B0701.D	G368-70-7B x1	6/30/2009 17:00	peak 4 1260 (1260)		✓		BWS	
028B0801.D	G368-70-4C MS x1	6/30/2009 17:13	cid= 628798		✓		BWS	
029B0901.D	G368-70-4D MSD x1	6/30/2009 17:26	cid= 628799		✓		BWS	
030B1001.D	cvs-1254-1000	6/30/2009 17:39			✓		BWS	
031B1101.D	cvs-PCB-1000	6/30/2009 17:52			✓		BWS	
032B1201.D	G185-414-13H x1	6/30/2009 18:05			✓		BWS	
033B1301.D	G185-414-30H x1	6/30/2009 18:18			✓		BWS	
034B1401.D	G185-414-47H x1	6/30/2009 18:30			✓		BWS	
030B1501.D	cvs-1254-1000	6/30/2009 18:43			✓		BWS	
031B1601.D	cvs-PCB-1000	6/30/2009 18:56			✓		BWS	

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 2

SGS North America, Inc.

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec070109

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	7/1/2009 8:31					BWS	
002B0201.D	b	7/1/2009 8:44					BWS	
003B0301.D	b	7/1/2009 8:56					BWS	
004B0401.D	cvs-1221-1000	7/1/2009 9:09			✓		BWS	
005B0501.D	cvs-1232-1000	7/1/2009 9:22			✓		BWS	
006B0601.D	cvs-1242-1000	7/1/2009 9:35			✓		BWS	
007B0701.D	cvs-1248-1000	7/1/2009 9:48			✓		BWS	
008B0801.D	cvs-1254-1000	7/1/2009 10:01			✓		BWS	
009B0901.D	cvs-PCB-1000	7/1/2009 10:14			✓		BWS	
010B1001.D	G368-70-1B x1	7/1/2009 10:27	(1248)		✓		BWS	
011B1101.D	G368-70-2B x1	7/1/2009 10:40	(1248)		✓		BWS	
012B1201.D	cvs-1254-1000	7/1/2009 10:53			✓		BWS	
013B1301.D	cvs-PCB-1000	7/1/2009 11:05			✓		BWS	
		[illegible]						
			7-1-09					

Analyst: [illegible]

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

SGS North America, Inc.

8082 Calibration Raw Data

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	245.3261566	2.81282
		2	155.8206329	2.9226999
		3	638.8563843	2.9537599
		4	0	0
		5	0	0
	100	1	500.9041748	2.8134401
		2	303.3854675	2.92314
		3	1263.362671	2.9544599
		4	0	0
		5	0	0
	200	1	1008.540039	2.8132801
		2	614.2987671	2.9228699
		3	2581.186279	2.9542
		4	0	0
		5	0	0
	500	1	2391.794678	2.8136101
		2	1448.612183	2.9233999
		3	5996.157715	2.9551401
		4	0	0
		5	0	0
	1000	1	5249.20459	2.8127799
		2	2938.137451	2.92238
		3	12695.41699	2.9535899
		4	0	0
		5	0	0
	2000	1	10792.90527	2.81248
		2	5933.97168	2.92207
		3	25705.44531	2.9533701
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	2.7831	2.8431
2	2.8928	2.9528
3	2.9241	2.9841
4		
5		

Peak	Correlation Coefficient (r)
1	0.999547291
2	0.99993285
3	0.999800257
4	
5	

Peak	Slope (y)
1	0.184846976
2	0.338626207
3	0.077910074
4	
5	

Peak	Intercept (b)
1	18.03074848
2	-3.063931603
3	5.287071647
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	128.4451447	3.47328
		2	130.5376434	3.7929001
		3	138.2742157	4.1808
		4	77.82170105	4.6981201
		5	96.44385529	5.0638099
	100	1	216.2887573	3.4734199
		2	200.2416382	3.79285
		3	210.9858551	4.1808701
		4	116.2147293	4.6984401
		5	142.0018921	5.0647101
	200	1	486.6502991	3.4735601
		2	427.340332	3.7934599
		3	469.4269409	4.1813598
		4	247.6925964	4.6983299
		5	301.9916687	5.0646
	500	1	1370.64856	3.4731901
		2	1150.080566	3.7936101
		3	1341.419922	4.1807799
		4	687.4240723	4.6979799
		5	817.4537964	5.0646801
	1000	1	2691.677979	3.4730201
		2	2218.20874	3.7932701
		3	2850.830322	4.1803799
		4	1341.828247	4.6978002
		5	1594.224243	5.0641999
	2000	1	5829.130859	3.4735501
		2	4788.60791	3.7937801
		3	7059.396484	4.1809101
		4	2918.447266	4.6979399
		5	3467.224609	5.06462

Peak	RT Window From	RT Window To
1	3.4433	3.5033
2	3.7633	3.8233
3	4.1508	4.2108
4	4.6681	4.7281
5	5.0344	5.0944

Peak	Correlation Coefficient (r)
1	0.999266493
2	0.999219182
3	0.995103716
4	0.999080518
5	0.999057834

✓

Peak	Slope (y)
1	0.342282466
2	0.419088189
3	0.280616234
4	0.686112548
5	0.578432121

Peak	Intercept (b)
1	28.29322338
2	17.30362431
3	75.4780663
4	23.70756688
5	21.14125161

PCB Initial Calibration Summary

Sample ID: A1242
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	113.9381485	3.47331
		2	252.1701965	3.7927699
		3	246.2476196	4.1816001
		4	149.9369507	4.69876
		5	173.3050385	5.0646601
	100	1	207.6104431	3.4740601
		2	414.2875061	3.7943499
		3	543.1567383	4.1816502
		4	276.8204651	4.6985002
		5	336.6770325	5.06496
	200	1	395.3930054	3.4739399
		2	780.1361694	3.79441
		3	1045.235474	4.18186
		4	536.1246948	4.6989398
		5	648.7318115	5.0650902
	500	1	960.0159912	3.47364
		2	1938.765625	3.79444
		3	2829.961426	4.1811299
		4	1360.825806	4.6981301
		5	1634.499023	5.06464
	1000	1	2033.830322	3.4737101
		2	4071.440674	3.7948501
		3	6488.691406	4.18156
		4	2958.269775	4.6987901
		5	3563.592041	5.0651002
	2000	1	3962.707275	3.4741099
		2	7946.291992	3.79532
		3	12468.87988	4.1816802
		4	5915.206055	4.6987801
		5	7151.570801	5.0652599

Peak	RT Window From	RT Window To
1	3.4438	3.5038
2	3.7644	3.8244
3	4.1516	4.2116
4	4.6687	4.7287
5	5.0350	5.0950

Peak	Correlation Coefficient (r)
1	0.999808258
2	0.999804811
3	0.999330689
4	0.999726656
5	0.999718569

✓

Peak	Slope (y)
1	0.504723015
2	0.251962874
3	0.157819658
4	0.336631004
5	0.278421794

Peak	Intercept (b)
1	-5.498271349
2	-6.834562602
3	18.65946912
4	11.78013154
5	13.16229906

PCB Initial Calibration Summary

Sample ID: A1248
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	180.3321991	4.46912
		2	266.9612122	4.6998501
		3	314.8575134	5.0650902
		4	283.4669495	5.2547898
		5	125.6370163	5.6012502
	100	1	311.6848145	4.4682598
		2	390.6215515	4.6981702
		3	563.4898682	5.0645099
		4	539.5948486	5.2544198
		5	232.8683472	5.6003799
	200	1	701.99823	4.4685998
		2	905.8077393	4.6981902
		3	1303.56958	5.0648398
		4	1268.165771	5.2543702
		5	535.5101318	5.6005902
	500	1	1901.684937	4.4695501
		2	2512.919678	4.69941
		3	3658.345947	5.0655298
		4	3585.534424	5.2551899
		5	1494.218994	5.6015201
	1000	1	4111.20459	4.4686298
		2	5394.391602	4.6985502
		3	7994.771484	5.0648599
		4	7896.041504	5.2544498
		5	3272.715576	5.60109
	2000	1	8806.677734	4.4691
		2	11836.07129	4.6990199
		3	17186.01758	5.0652699
		4	17175.9707	5.25488
		5	7110.137695	5.6010199

Peak	RT Window From	RT Window To
1	4.4389	4.4989
2	4.6689	4.7289
3	5.0350	5.0950
4	5.2247	5.2847
5	5.5710	5.6310

Peak	Correlation Coefficient (r)
1	0.999214642
2	0.998741491
3	0.9991701
4	0.99898148
5	0.998990615

✓

Peak	Slope (y)
1	0.225261722
2	0.167686467
3	0.115080361
4	0.114998218
5	0.278205875

Peak	Intercept (b)
1	38.79213832
2	44.52374958
3	45.01435743
4	50.65762646
5	47.83472661

PCB Initial Calibration Summary

Sample ID: A1254
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	229.1189117	5.0585999
		2	249.3790131	5.2213602
		3	330.6585693	5.60078
		4	261.4362183	5.7873101
		5	341.5723877	6.2081499
	100	1	447.2060547	5.0588102
		2	505.8791199	5.22156
		3	680.1452026	5.6012301
		4	629.8706055	5.7874298
		5	720.9144897	6.20858
	200	1	926.4535522	5.0589399
		2	987.8835449	5.2212801
		3	1473.576904	5.60076
		4	1242.702637	5.78721
		5	1477.556396	6.2087498
	500	1	2630.861328	5.0586801
		2	2990.208008	5.2210898
		3	4376.578613	5.6012101
		4	3507.077637	5.7876501
		5	4512.064941	6.20889
	1000	1	5308.978027	5.0584302
		2	6097.466797	5.2210202
		3	8935.365234	5.6009202
		4	7195.558105	5.7871099
		5	9338.537109	6.2082801
	2000	1	10664.68945	5.0589399
		2	10872.67285	5.2214198
		3	18025.05078	5.60109
		4	14417.08203	5.7869501
		5	17500.42969	6.2084498

Peak	RT Window From	RT Window To
1	5.0287	5.0887
2	5.1913	5.2513
3	5.5710	5.6310
4	5.7573	5.8173
5	6.1785	6.2385

Peak	Correlation Coefficient (r)
1	0.999915636
2	0.99777029
3	0.999890888
4	0.99993799
5	0.999128405

✓

Peak	Slope (y)
1	0.186334645
2	0.180272726
3	0.1097659
4	0.137621182
5	0.112275523

Peak	Intercept (b)
1	12.44642635
2	-12.09119839
3	21.26104952
4	14.88497466
5	5.810303883

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	121.0674515	3.47349
		2	251.3697815	3.79391
		3	263.068573	4.1812401
		4	195.8108978	4.2961798
		5	160.0380554	4.6985602
	100	1	217.4214935	3.47403
		2	437.2928162	3.79476
		3	485.585144	4.1816101
		4	360.8550415	4.2965102
		5	295.4402771	4.69875
	200	1	459.3583984	3.47331
		2	925.944458	3.7941699
		3	1129.475098	4.18115
		4	785.0092773	4.2961998
		5	634.2442017	4.6986198
	500	1	1173.999146	3.4734199
		2	2337.430176	3.7948301
		3	3116.475342	4.1812501
		4	2094.157959	4.29603
		5	1677.998413	4.6981301
	1000	1	2033.769165	3.47434
		2	4170.358398	3.7955101
		3	5876.343262	4.1814098
		4	4022.451172	4.2962298
		5	3104.989746	4.6984301
	2000	1	4519.233398	3.4735301
		2	9469.867188	3.79459
		3	14670.11328	4.1814399
		4	8460.355469	4.2961302
		5	6825.107422	4.6985202

Peak	RT Window From	RT Window To
1	3.4437	3.5037
2	3.7646	3.8246
3	4.1513	4.2113
4	4.2662	4.3262
5	4.6685	4.7285

Peak	Correlation Coefficient (r)
1	0.998355568
2	0.997966813
3	0.995224524
4	0.999664696
5	0.99891501

Peak	Slope (y)
1	0.448394325
2	0.213628789
3	0.135993496
4	0.236777332
5	0.294674522

Peak	Intercept (b)
1	2.917677126
2	13.63103358
3	61.09697749
4	11.80448894
5	16.37941922

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	317.7681885	5.7591901
		2	382.4143982	5.9278698
		3	472.3563538	6.20647
		4	666.4926147	6.69345
		5	445.2432251	6.9662399
	100	1	561.5331421	5.75875
		2	743.8937378	5.9271998
		3	927.6226196	6.2058802
		4	1324.988892	6.6930399
		5	870.4468384	6.9654398
	200	1	1251.001831	5.7593498
		2	1690.699341	5.9280801
		3	2103.305664	6.20682
		4	3117.929688	6.6939502
		5	2021.848267	6.9668102
	500	1	3357.37085	5.7589998
		2	4654.072754	5.9275799
		3	5743.004883	6.2065001
		4	8792.444336	6.6933098
		5	5652.148438	6.96594
	1000	1	6291.233887	5.7596598
		2	9044.022461	5.9281502
		3	10616.62402	6.2068701
		4	17067.61328	6.6947699
		5	11121.81738	6.9676399
	2000	1	13629.30078	5.7596002
		2	19083.54102	5.9280601
		3	24213.02539	6.2066202
		4	36985.36719	6.6940398
		5	23803.99414	6.9664102

Peak	RT Window From	RT Window To
1	5.7293	5.7893
2	5.8978	5.9578
3	6.1765	6.2365
4	6.6638	6.7238
5	6.9364	6.9964

Peak	Correlation Coefficient (r)
1	0.999213429
2	0.999670366
3	0.99816869
4	0.999340639
5	0.999516287

Peak	Slope (y)
1	0.147230058
2	0.104555885
3	0.082761897
4	0.053867902
5	0.083666593

Peak	Intercept (b)
1	16.52465945
2	19.65871446
3	32.03194905
4	29.90259793
5	27.62331452

Data File C:\HPCHEM\1\DATA\EC061609\004F0401.D

Sample Name: A1221 x2000 ICAL

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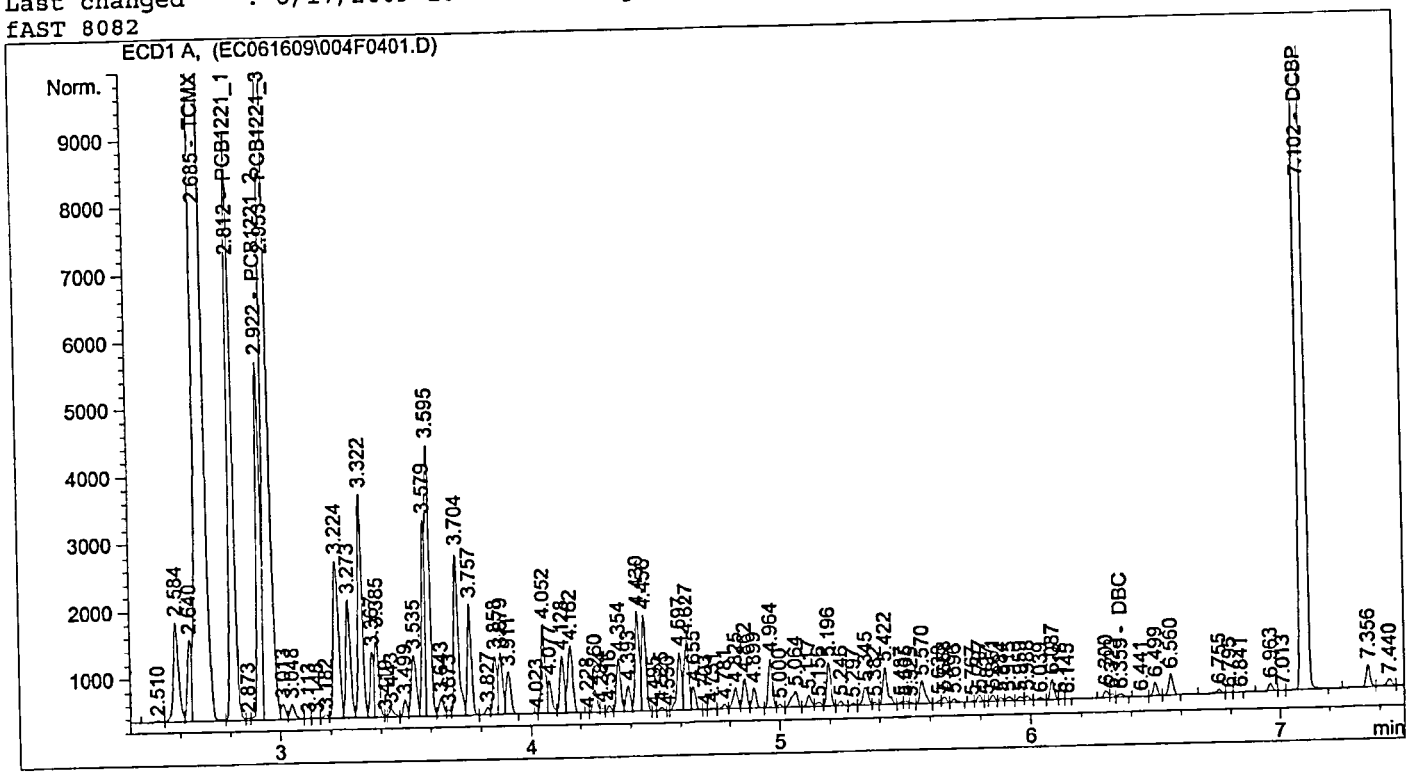
Injection Date : 6/16/2009 2:53:36 PM
Sample Name : A1221 x2000 ICAL
Acq. Operator : BWS

Seq. Line : 4
Location : Vial 4
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed : 6/17/2009 10:44:50 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.25626e5	1.61557e-3	202.95710		TCMX
2.812	VV	1.07929e4	1.86633e-1	2014.31070		PCB1221_1
2.922	VV	5933.97168	3.38141e-1	2006.51791		PCB1221_2
2.953	VV	2.57054e4	7.81370e-2	2008.54689		PCB1221_3
6.359	VBA	68.02941	0.00000	0.00000		DBC
7.102	VB	1.02589e5	1.98494e-3	203.63239		DCBP
Totals :				6435.96498		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

ECD2 6/17/2009 10:44:55 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\005F0501.D Sample Name: A1221 x1000 ICAL

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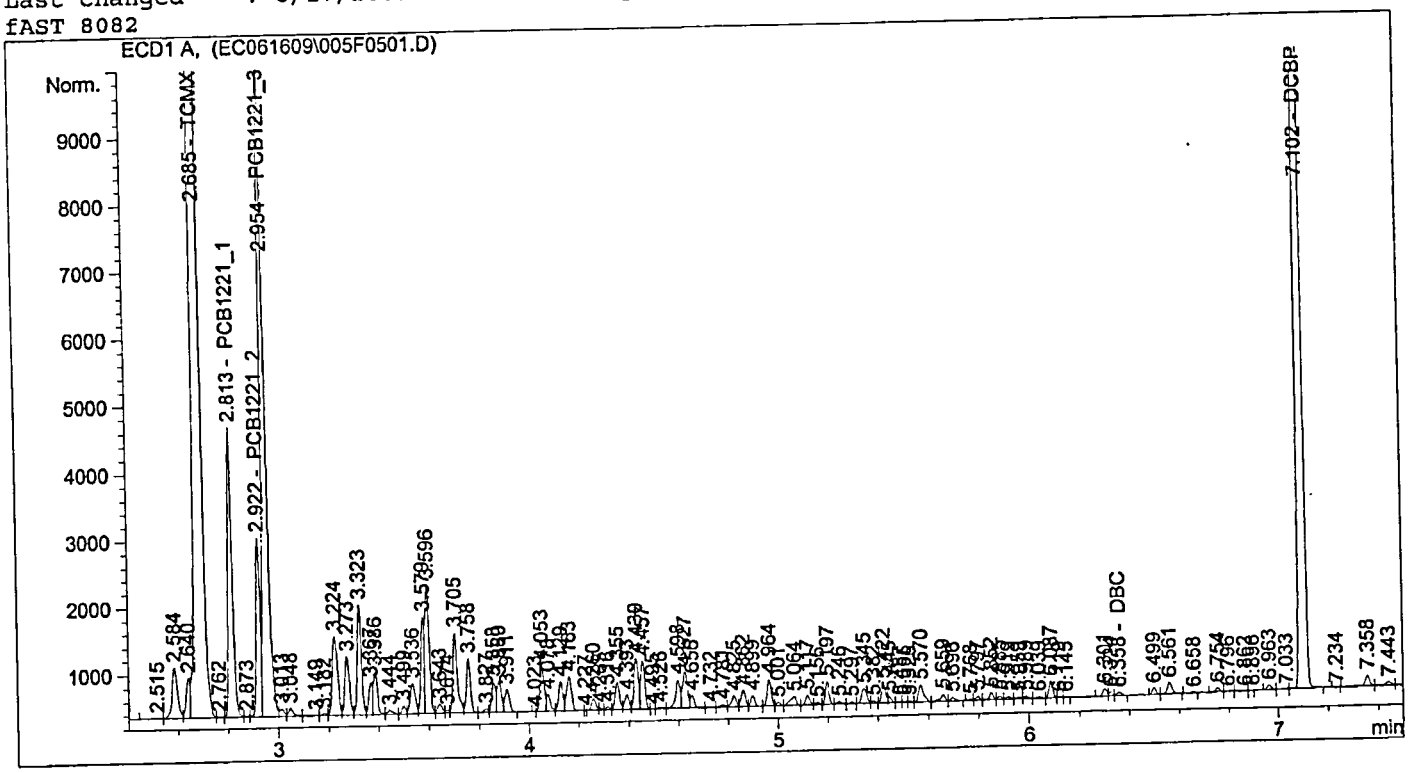
Injection Date : 6/16/2009 3:06:27 PM
Sample Name : A1221 x1000 ICAL
Acq. Operator : BWS

Seq. Line : 5
Location : Vial 5
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed : 6/17/2009 10:44:50 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85362e4	1.65228e-3	96.71822		TCMX
2.813	VV	5249.20459	1.88342e-1	988.64594		PCB1221_1
2.922	VV	2938.13745	3.37599e-1	991.91367		PCB1221_2
2.954	VV	1.26954e4	7.83377e-2	994.52957		PCB1221_3
6.358	VV	69.65521	0.00000	0.00000		DBC
7.102	VB	4.64764e4	2.03257e-3	94.46667		DCBP
Totals :				3166.27407		

JWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

ECD2 6/17/2009 10:45:01 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\006F0601.D Sample Name: A1221 x500 ICAL

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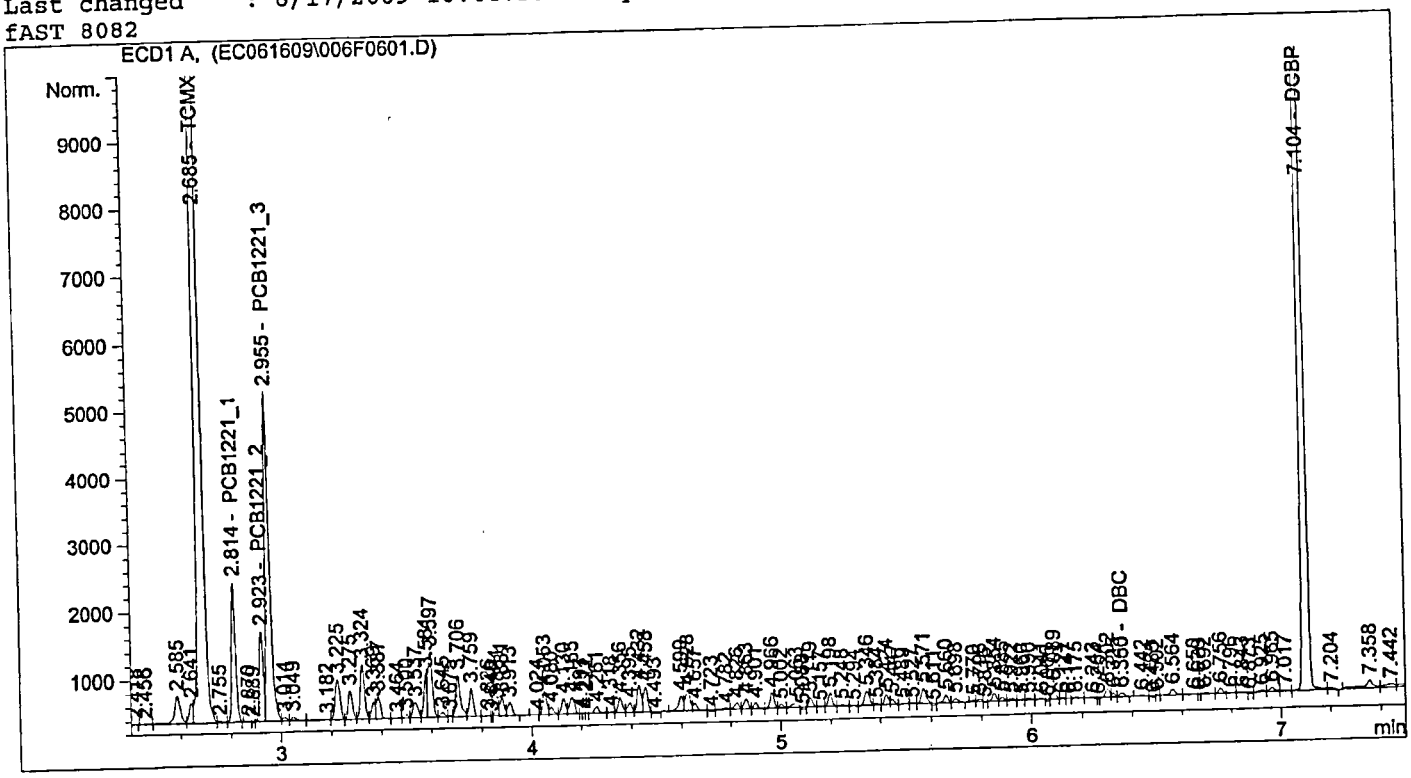
Injection Date : 6/16/2009 3:19:26 PM
Sample Name : A1221 x500 ICAL
Acq. Operator : BWS

Seq. Line : 6
Location : Vial 6
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed : 6/17/2009 10:44:50 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2.50498e4	1.74417e-3	43.69111		TCMX
2.814	VP	2391.79468	1.92317e-1	459.98381		PCB1221_1
2.923	PV	1448.61218	3.36497e-1	487.45363		PCB1221_2
2.955	VV	5996.15771	7.87807e-2	472.38121		PCB1221_3
6.360	VBA	82.02856	0.00000	0.00000		DBC
7.104	VB	2.14117e4	2.13452e-3	45.70364		DCBP
Totals :				1509.21340		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

ECD2 6/17/2009 10:45:07 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\007F0701.D

Sample Name: A1221 x200 ICAL

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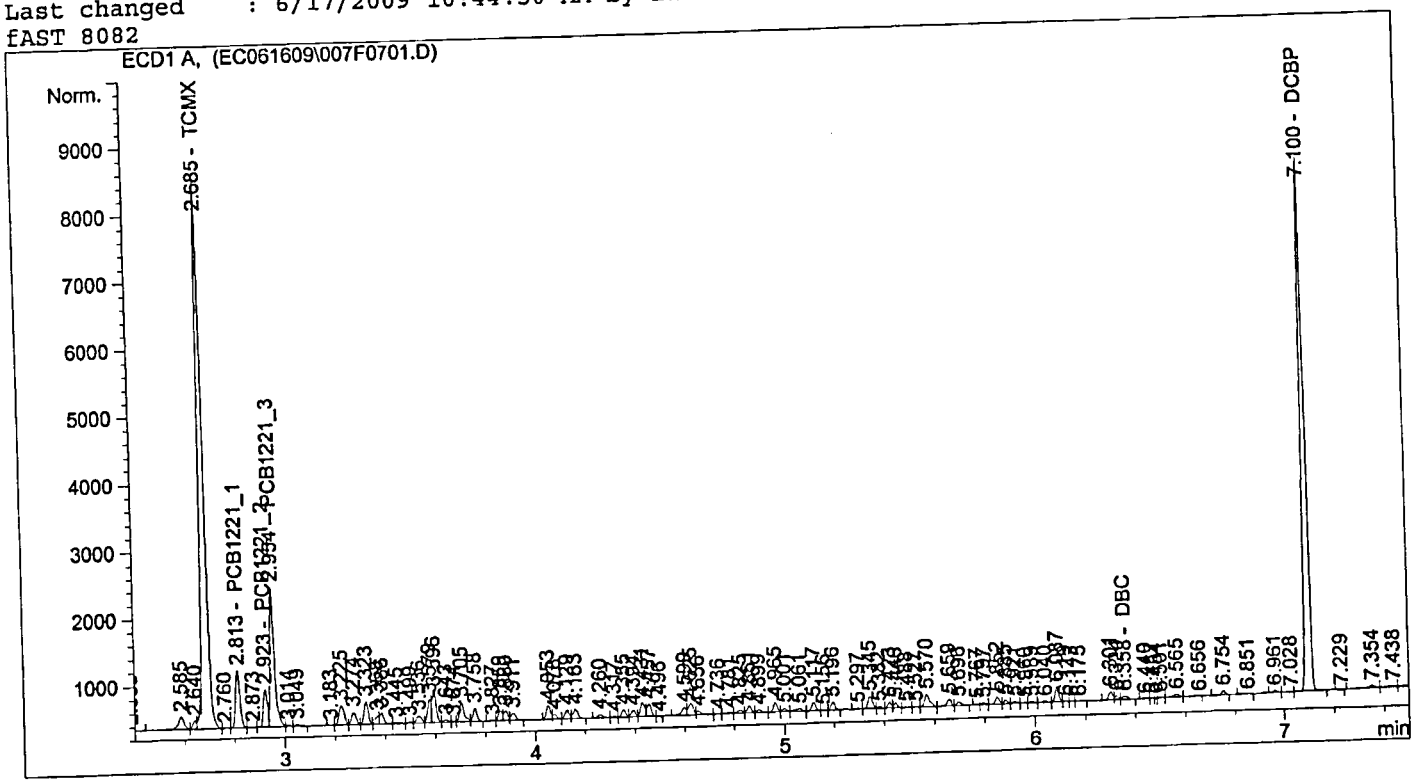
Injection Date : 6/16/2009 3:32:12 PM
Sample Name : A1221 x200 ICAL
Acq. Operator : BWS

Seq. Line : 7
Location : Vial 7
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed : 6/17/2009 10:44:50 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.06479e4	1.96144e-3	20.88517		TCMX
2.813	VV	1008.54004	2.02334e-1	204.06171		PCB1221_1
2.923	VV	614.29877	3.33543e-1	204.89530		PCB1221_2
2.954	VV	2581.18628	7.98913e-2	206.21421		PCB1221_3
6.358	VBA	75.88888	0.00000	0.00000		DBC
7.100	VB	8395.22266	2.42761e-3	20.38030		DCBP
Totals :				656.43668		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

ECD2 6/17/2009 10:45:14 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\008F0801.D Sample Name: A1221 x100 ICAL

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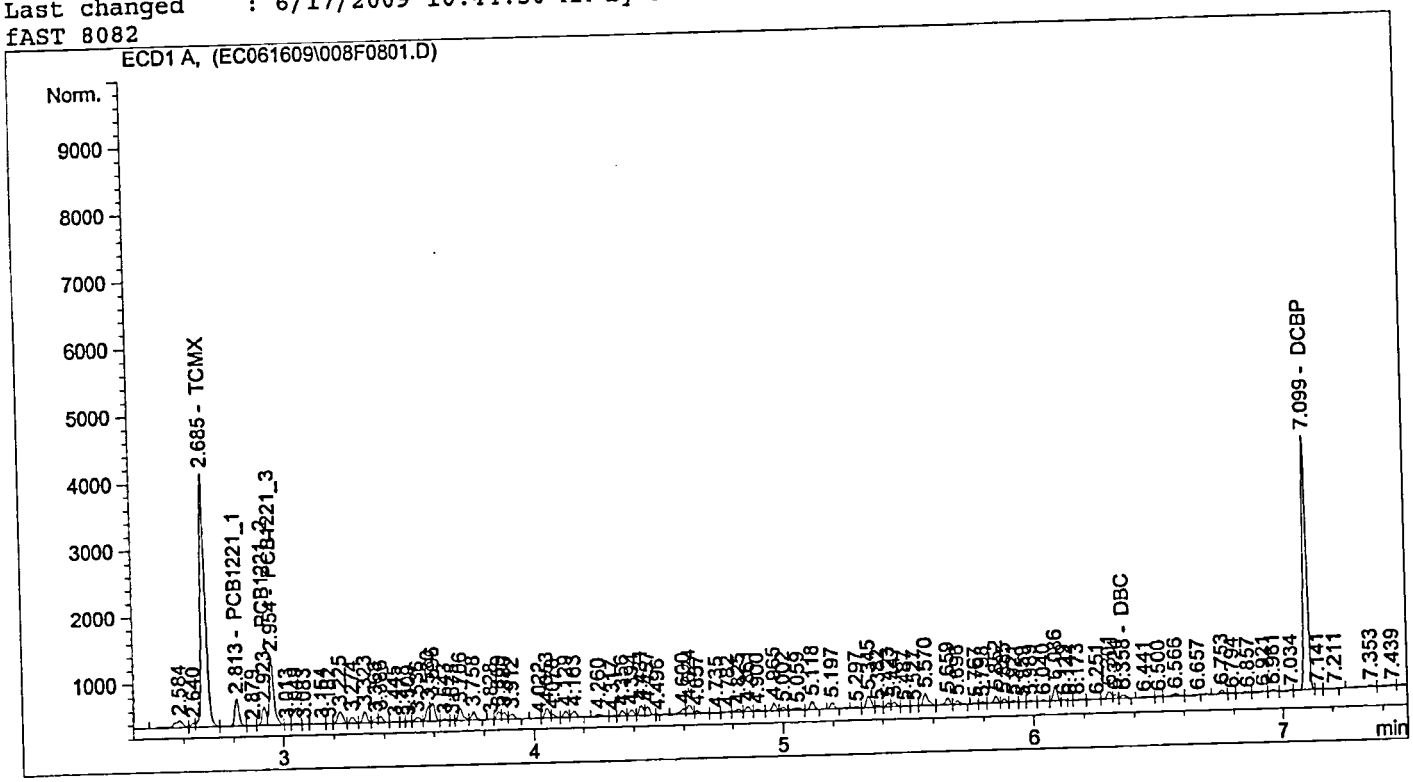
Injection Date : 6/16/2009 3:45:01 PM
Sample Name : A1221 x100 ICAL
Acq. Operator : BWS

Seq. Line : 8
Location : Vial 8
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-2\1221F.M
Last changed : 6/17/2009 10:44:50 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	4984.73535	2.39078e-3	11.91740		TCMX
2.813	VB	500.90417	2.19886e-1	110.14174		PCB1221_1
2.923	VV	303.38547	3.28288e-1	99.59777		PCB1221_2
2.954	VV	1263.36267	8.19254e-2	103.50145		PCB1221_3
6.358	VBA	71.24101	0.00000	0.00000		DBC
7.099	VV	3984.79590	2.96122e-3	11.79987		DCBP
Totals :				336.95822		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

ECD2 6/17/2009 10:45:20 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\009F0901.D Sample Name: A1221 x40 ICAL

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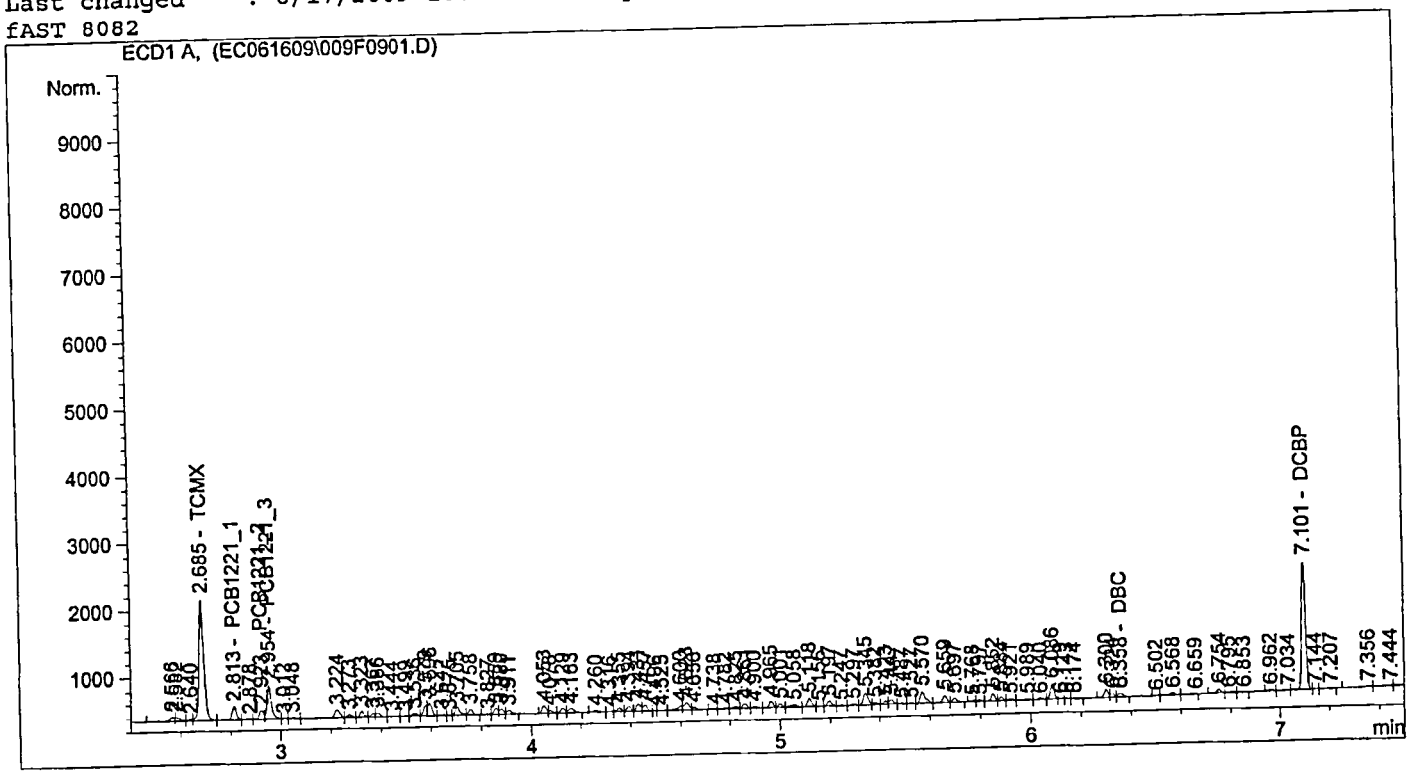
Injection Date : 6/16/2009 3:57:58 PM
Sample Name : A1221 x40 ICAL
Acq. Operator : BWS

Seq. Line : 9
Location : Vial 9
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed : 6/17/2009 10:44:50 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2404.18335	3.25724e-3	7.83100		TCMX
2.813	VV	245.32616	2.56214e-1	62.85611		PCB1221_1
2.923	VV	155.82063	3.18454e-1	49.62173		PCB1221_2
2.954	VV	638.85638	8.58200e-2	54.82667		PCB1221_3
6.358	VBA	75.09637	0.00000	0.00000		DBC
7.101	VV	2040.43359	3.92913e-3	8.01714		DCBP
Totals :				183.15265		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

ECD2 6/17/2009 10:45:25 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\010F1001.D Sample Name: A1232 x2000 ICAL

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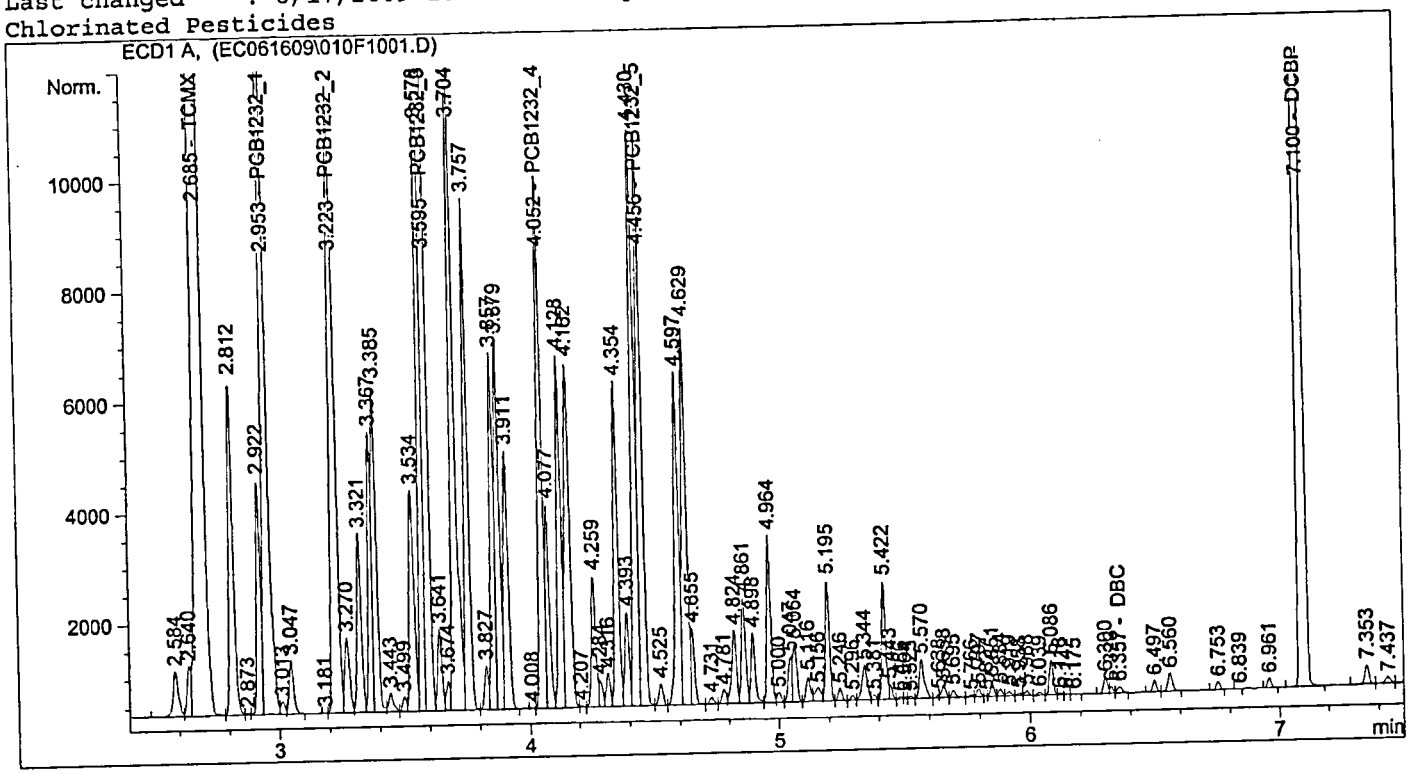
Injection Date : 6/16/2009 4:10:49 PM
Sample Name : A1232 x2000 ICAL
Acq. Operator : BWS

Seq. Line : 10
Location : Vial 10
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-2\1232F.M
Last changed : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:49:16 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.28585e5	1.57867e-3	202.99266		TCMX
2.953	VV	2.19295e4	9.15378e-2	2007.37971		PCB1232_1
3.223	VV	1.67455e4	1.20052e-1	2010.33401		PCB1232_2
3.595	VV	2.48887e4	8.13899e-2	2025.68521		PCB1232_3
4.052	VV	1.13965e4	1.77729e-1	2025.48786		PCB1232_4
4.456	VV	1.19353e4	1.69886e-1	2027.63778		PCB1232_5
6.357	VV	154.62846	1.31176	202.83508		DBC
7.100	PB	1.04339e5	1.95163e-3	203.63069		DCBP
Totals :				1.07060e4		

BWS
6.17.09

Results obtained with enhanced integrator!

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*** End of Report ***

ECD2 6/17/2009 10:49:36 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\011F1101.D Sample Name: A1232 x1000 ICAL

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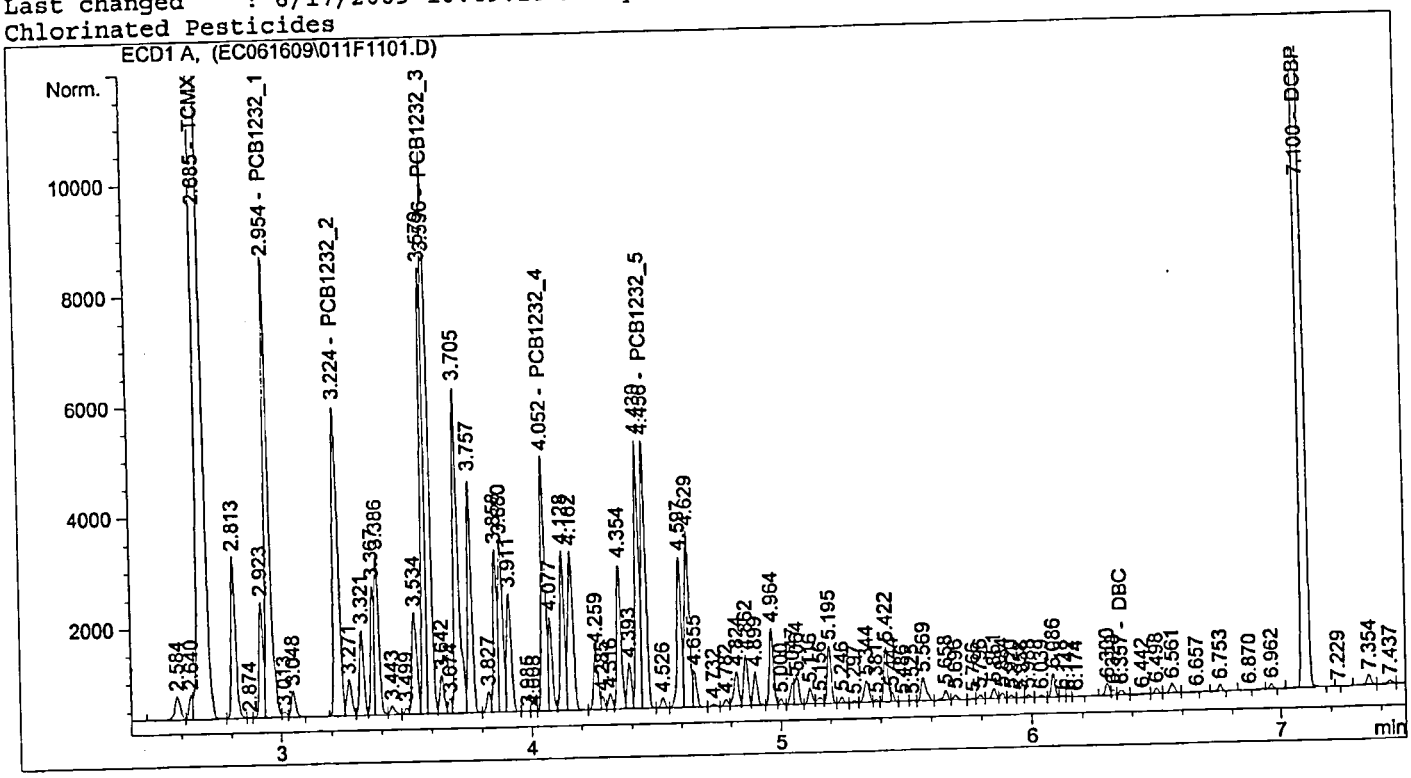
Injection Date : 6/16/2009 4:23:47 PM
Sample Name : A1232 x1000 ICAL
Acq. Operator : BWS

Seq. Line : 11
Location : Vial 11
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:49:16 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85306e4	1.62639e-3	95.19388		TCMX
2.954	VV	1.06422e4	9.22723e-2	981.98283		PCB1232_1
3.224	VV	8107.24463	1.21205e-1	982.63823		PCB1232_2
3.596	VV	1.14238e4	8.29473e-2	947.57043		PCB1232_3
4.052	VV	5312.27930	1.80420e-1	958.44117		PCB1232_4
4.456	VV	5470.34326	1.73471e-1	948.94532		PCB1232_5
6.357	VV	105.82750	8.70158e-1	92.08665		DBC
7.100	BB	4.64543e4	2.01128e-3	93.43272		DCBP
Totals :				5100.29123		

BWS
6.17.09

Results obtained with enhanced integrator!

==========

*** End of Report ***

ECD2 6/17/2009 10:49:43 AM BWS

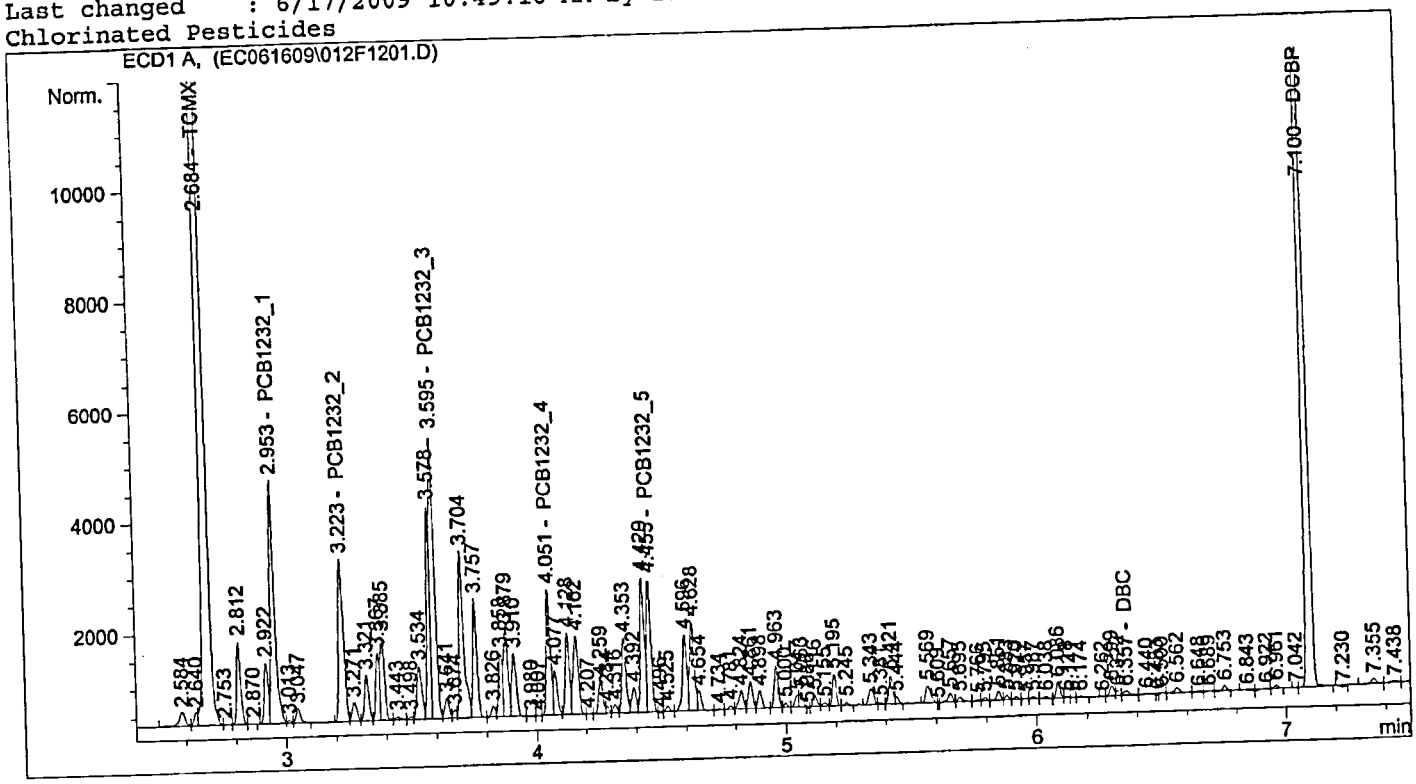
Data File C:\HPCHEM\1\DATA\EC061609\012F1201.D Sample Name: A1232 x500 ICAL

==========

Injection Date : 6/16/2009 4:36:37 PM
Sample Name : A1232 x500 ICAL
Acq. Operator : BWS

Seq. Line : 12
Location : Vial 12
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-2\1232F.M
Last changed : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:49:16 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2.74659e4	1.72547e-3	47.39165		TCMX
2.953	VV	5459.36719	9.36271e-2	511.14479		PCB1232_1
3.223	VV	4011.20239	1.23487e-1	495.33154		PCB1232_2
3.595	VV	5890.49268	8.56516e-2	504.53041		PCB1232_3
4.051	VV	2581.75781	1.85751e-1	479.56532		PCB1232_4
4.455	VP	2731.88257	1.80105e-1	492.02517		PCB1232_5
6.357	VB	88.85879	6.02957e-1	53.57802		DBC
7.100	PB	2.28398e4	2.12244e-3	48.47617		DCBP
Totals :				2632.04306		

BWS
6-17-09

Results obtained with enhanced integrator!

==========

*** End of Report ***

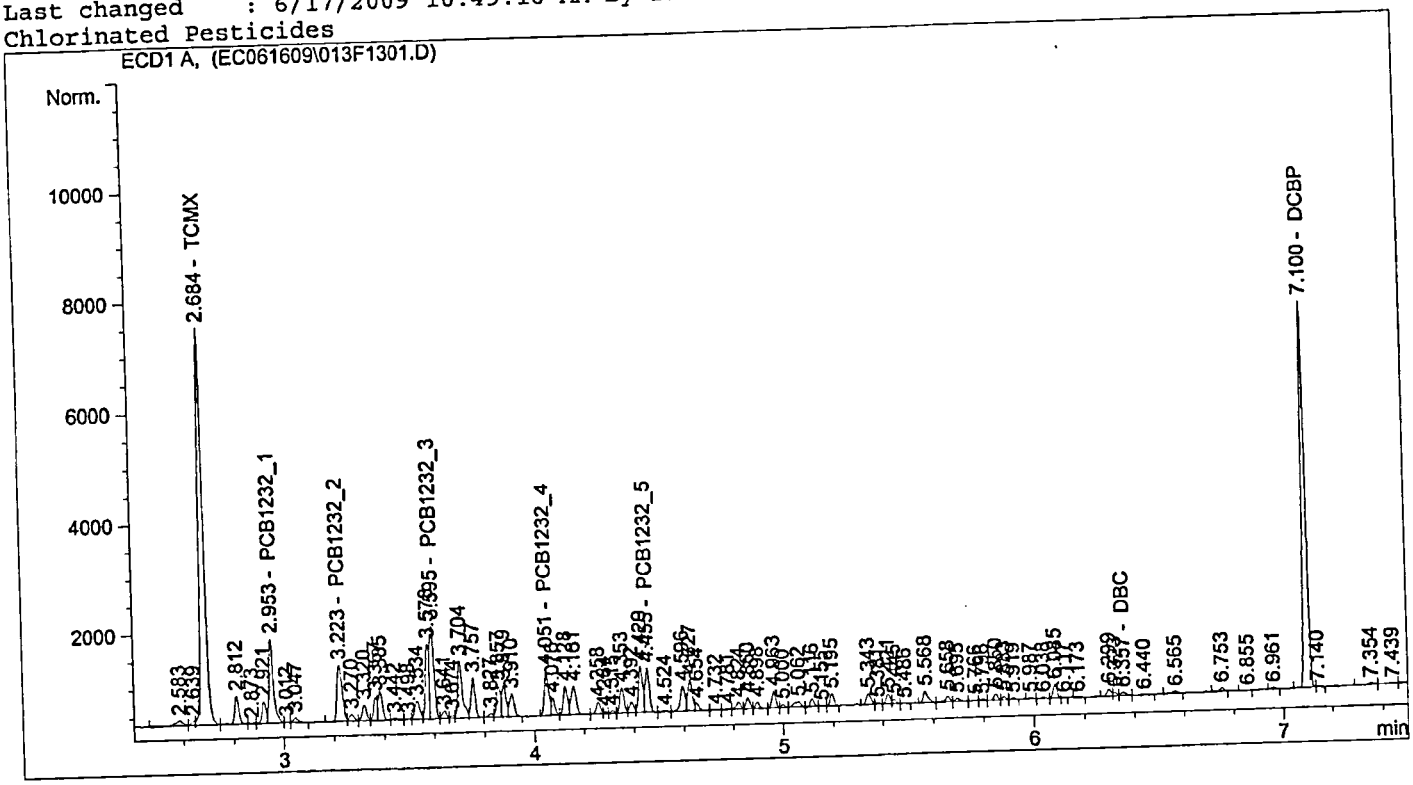
ECD2 6/17/2009 10:49:50 AM BWS

Sample Name: A1232 x200 ICAL

Data File C:\HPCHEM\1\DATA\EC061609\013F1301.D

Injection Date	: 6/16/2009 4:49:25 PM	Seq. Line	: 13
Sample Name	: A1232 x200 ICAL	Location	: Vial 13
Acq. Operator	: BWS	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-2\1232F.M
Last changed : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:49:16 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	9296.84180	2.09031e-3	19.43330		TCMX
2.953	VV	1918.33850	9.87621e-2	189.45923		PCB1232_1
3.223	VV	1475.92578	1.31246e-1	193.70935		PCB1232_2
3.595	VV	1920.76770	9.71906e-2	186.68064		PCB1232_3
4.051	PV	955.56946	2.03404e-1	194.36619		PCB1232_4
4.455	VV	916.82739	2.06340e-1	189.17791		PCB1232_5
6.357	VV	74.82659	2.90451e-1	21.73349		DBC
7.100	VV	7333.77930	2.58480e-3	18.95637		DCBP
Totals :				1013.51648		

BWS
6.17.09

Results obtained with enhanced integrator!

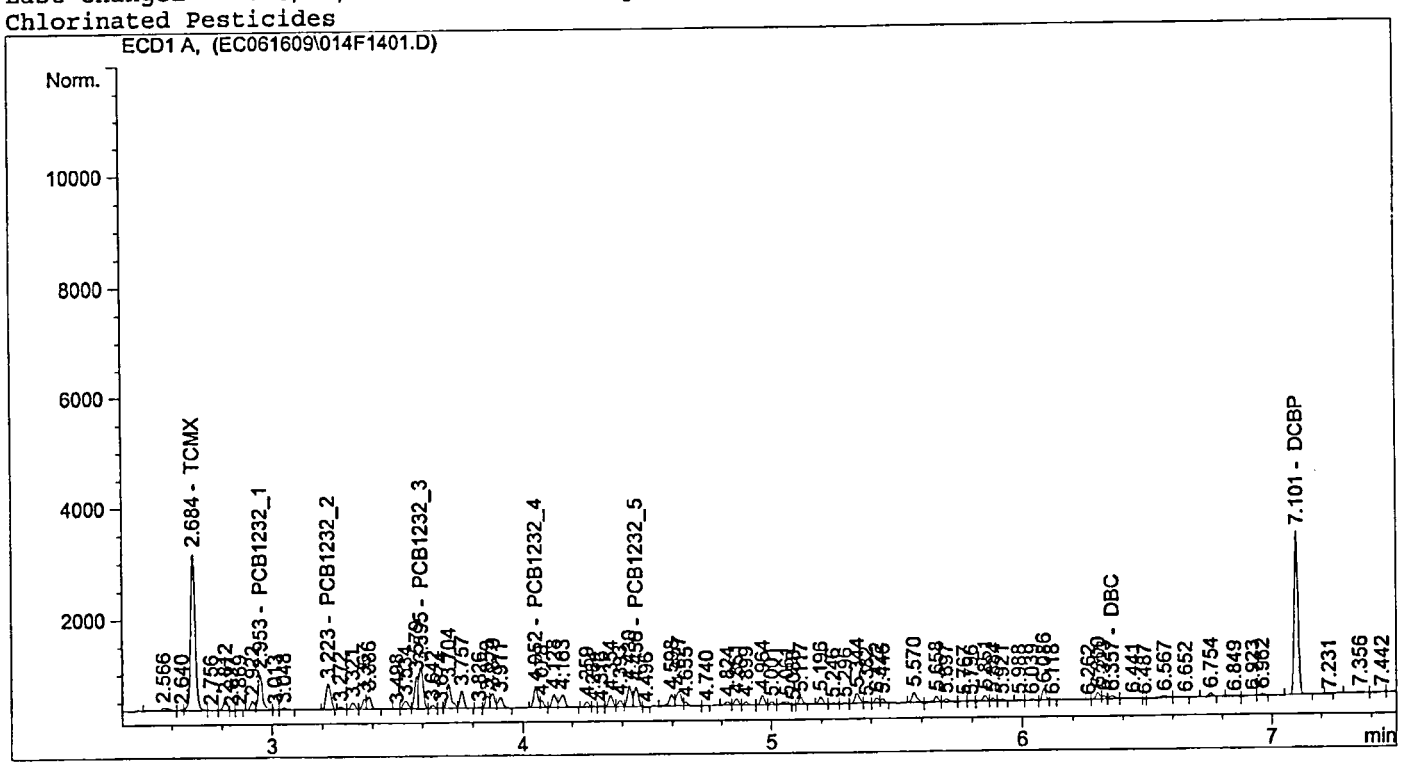
*** End of Report ***

ECD2 6/17/2009 10:49:57 AM BWS

Injection Date : 6/16/2009 5:02:18 PM
Sample Name : A1232 x100 ICAL
Acq. Operator : BWS

Seq. Line : 14
Location : Vial 14
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:49:16 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	3586.46118	2.96844e-3	10.64621		TCMX
2.953	VV	822.08234	1.09319e-1	89.86959		PCB1232_1
3.223	BP	627.54523	1.47842e-1	92.77740		PCB1232_2
3.595	VV	845.77960	1.18953e-1	100.60800		PCB1232_3
4.052	PV	440.46237	2.36177e-1	104.02727		PCB1232_4
4.456	VP	406.56943	2.55897e-1	104.03988		PCB1232_5
6.357	VV	70.51414	1.69425e-1	11.94687		DBC
7.101	PB	3122.70605	3.50320e-3	10.93948		DCBP

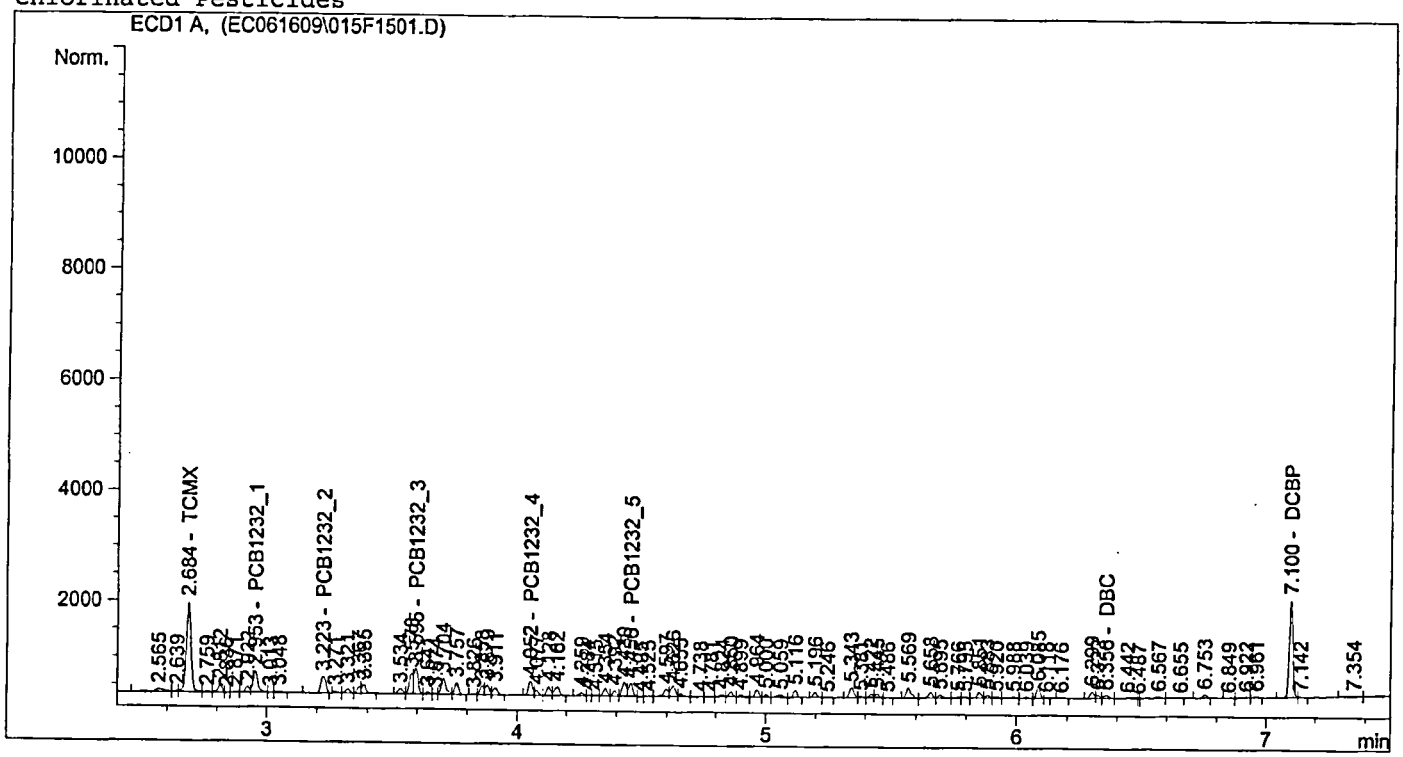
Totals : 524.85470

BWS
6.17.09

Results obtained with enhanced integrator!

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 5:15:07 PM          Seq. Line :  15
Sample Name     : A1232 x40 ICAL                 Location : Vial 15
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

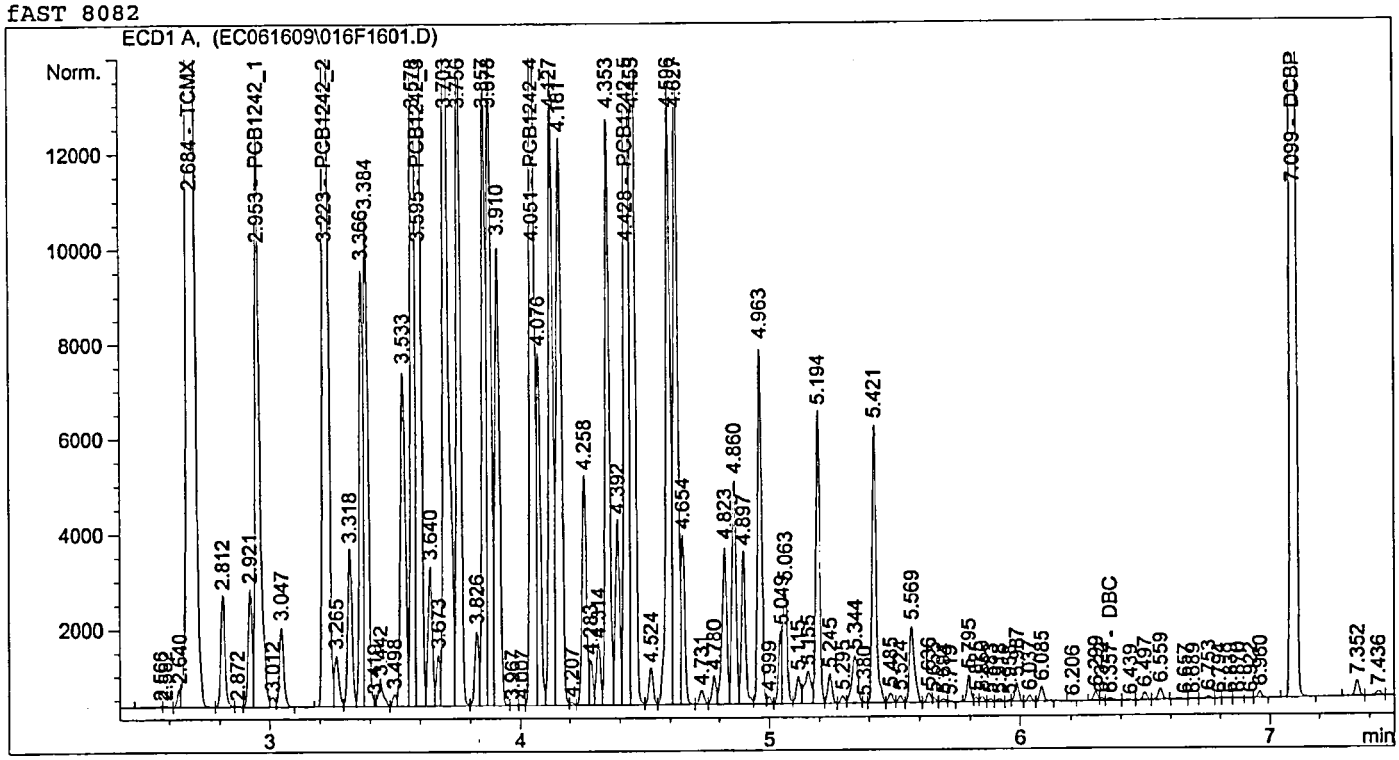
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2089.24365	3.99298e-3	8.34230		TCMX
2.953	VV	495.08936	1.21521e-1	60.16384		PCB1232_1
3.223	BP	395.82391	1.64744e-1	65.20948		PCB1232_2
3.595	VV	525.02045	1.42709e-1	74.92531		PCB1232_3
4.052	PV	292.69611	2.66871e-1	78.11219		PCB1232_4
4.456	VP	251.54694	3.10773e-1	78.17393		PCB1232_5
6.356	VV	66.05173	2.75526e-2	1.81990		DBC
7.100	VV	1875.22559	4.56722e-3	8.56457		DCBP
Totals :				375.31152		

BWS
6.17.09

```
Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  16
Sample Name     : A1242 x2000 ICAL               Location : Vial 16
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	1.24533e5	1.61574e-3	201.21328		TCMX
2.953	VV	1.58930e4	1.25320e-1	1991.70688		PCB1242_1
3.223	PV	2.95357e4	6.73104e-2	1988.06254		PCB1242_2
3.595	VV	4.49982e4	4.43743e-2	1996.76595		PCB1242_3
4.051	VV	2.33747e4	8.57256e-2	2003.81239		PCB1242_4
4.428	VV	2.53352e4	7.92151e-2	2006.93062		PCB1242_5
6.357	VV	46.07360	0.00000	0.00000		DBC
7.099	BV	1.01493e5	1.98905e-3	201.87401		DCBP

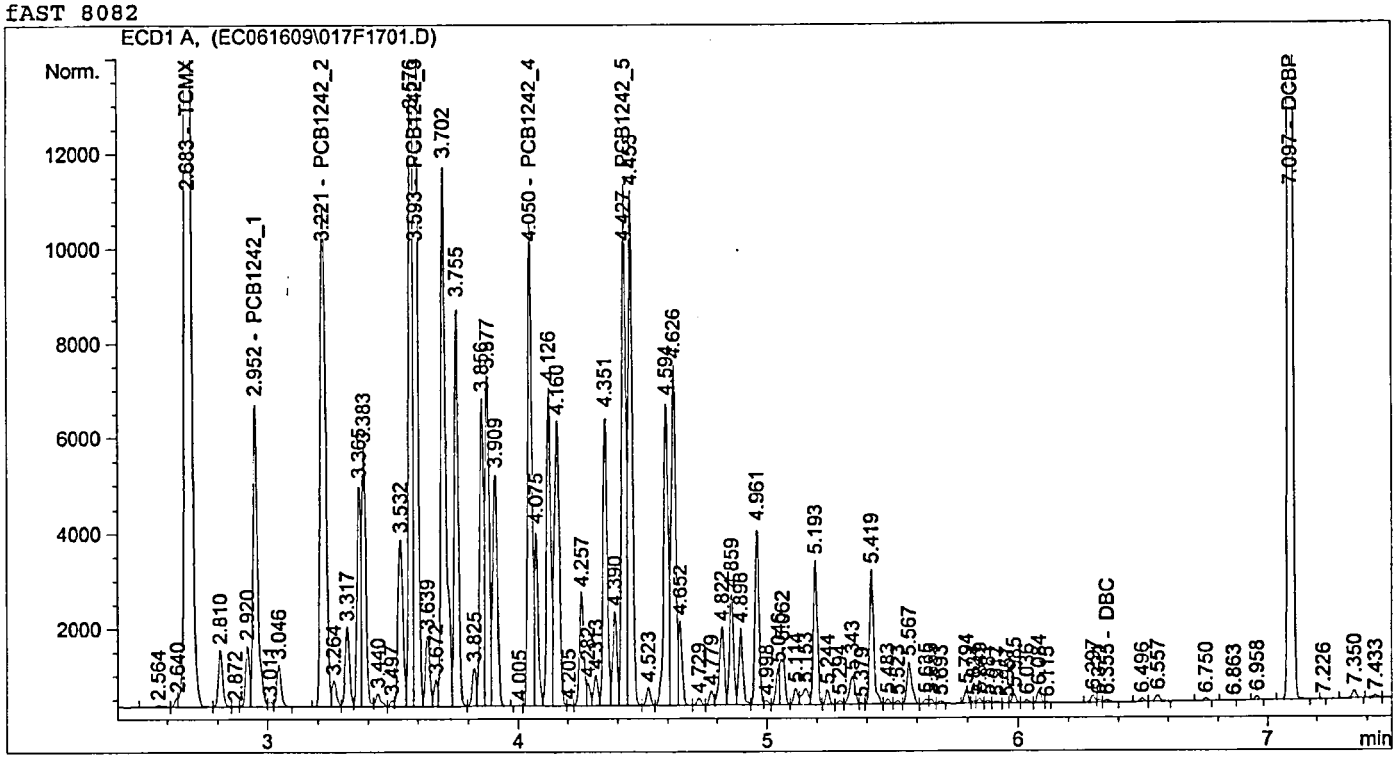
Totals : 1.03904e4

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  17
Sample Name     : A1242 x1000 ICAL               Location : Vial 17
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.683	VV	6.12233e4	1.64980e-3	101.00598		TCMX
2.952	VV	8266.91797	1.25530e-1	1037.74860		PCB1242_1
3.221	PV	1.55127e4	6.74188e-2	1045.84986		PCB1242_2
3.593	VV	2.27097e4	4.47441e-2	1016.12539		PCB1242_3
4.050	VV	1.17902e4	8.67780e-2	1023.13035		PCB1242_4
4.427	VV	1.25010e4	8.02404e-2	1003.08927		PCB1242_5
6.355	VB	69.59908	0.00000	0.00000		DBC
7.097	VB	4.86358e4	2.03100e-3	98.77927		DCBP

Totals : 5325.72872

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

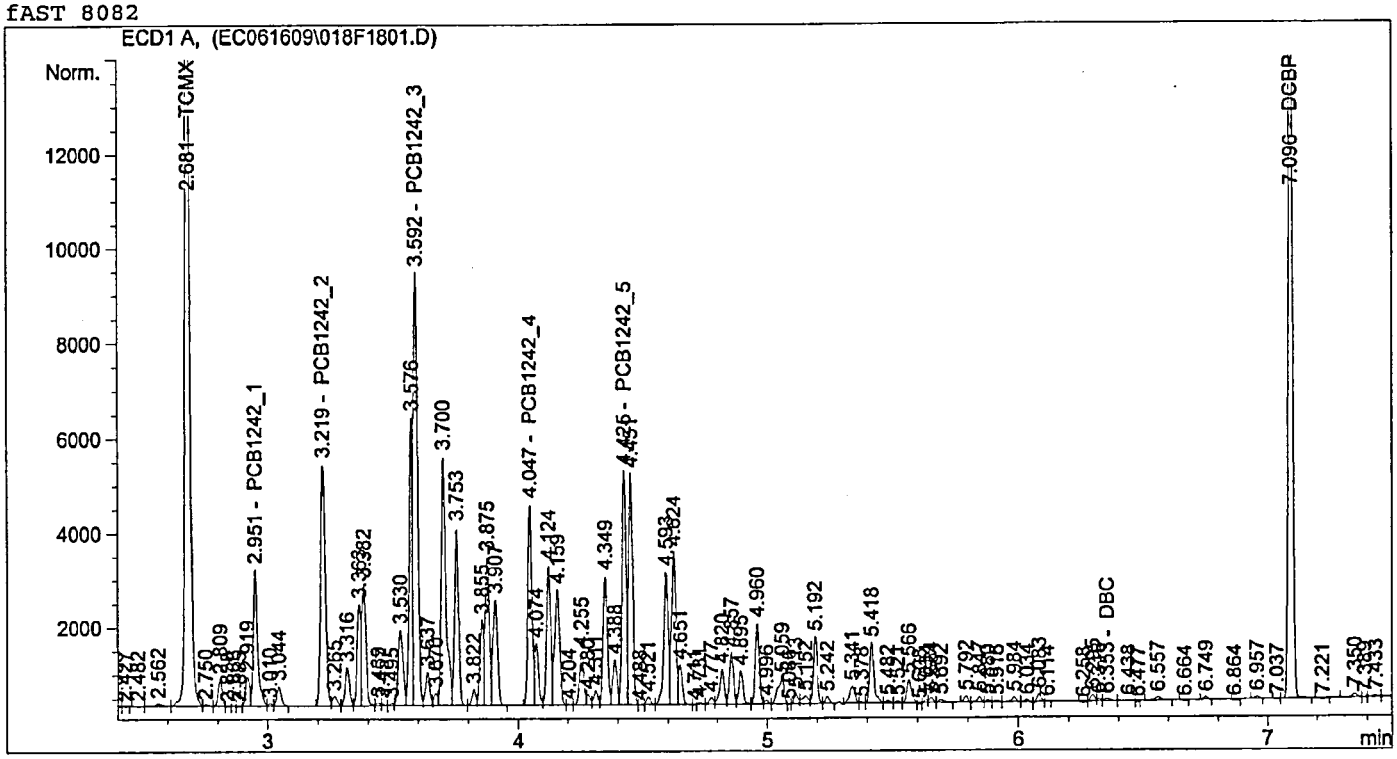
Warning : Calibration warnings (see calibration table listing)
```

Data File C:\HPCHEM\1\DATA\EC061609\018F1801.D Sample Name: A1242 x500 ICAL

==========

Injection Date : 6/16/2009 5:53:51 PM Seq. Line : 18
Sample Name : A1242 x500 ICAL Location : Vial 18
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed : 6/17/2009 10:55:31 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	2.43234e4	1.75143e-3	42.60065		TCMX
2.951	VV	3628.71558	1.26091e-1	457.54749		PCB1242_1
3.219	PV	6743.10840	6.77157e-2	456.61398		PCB1242_2
3.592	VV	1.06319e4	4.55920e-2	484.72847		PCB1242_3
4.047	PV	4836.10059	8.98314e-2	434.43365		PCB1242_4
4.425	VV	5635.85596	8.27059e-2	466.11862		PCB1242_5
6.353	VV	69.22704	0.00000	0.00000		DBC
7.096	PB	2.08276e4	2.13856e-3	44.54098		DCBP

Totals : 2386.58383

BWS
6.17.09

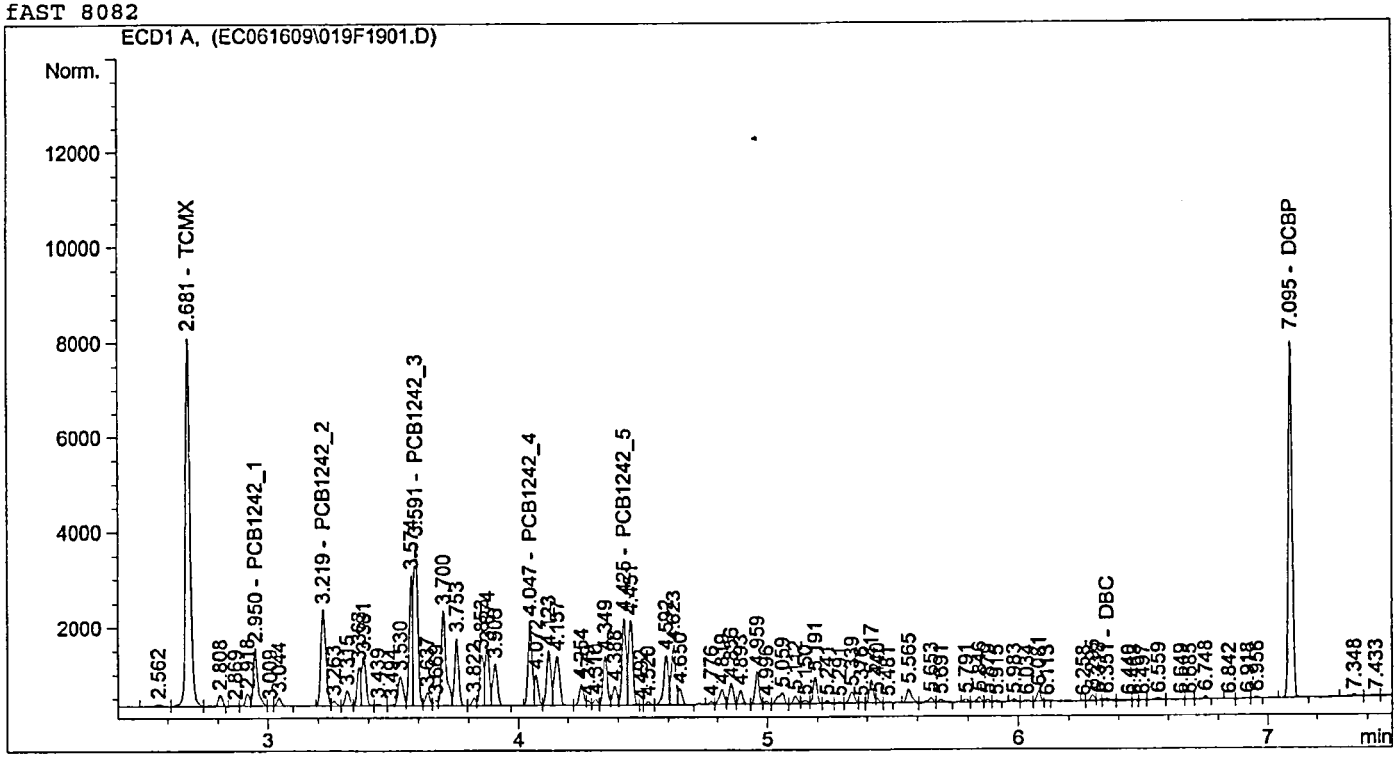
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 6:06:49 PM Seq. Line : 19
Sample Name : A1242 x200 ICAL Location : Vial 19
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed : 6/17/2009 10:55:31 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	9864.52441	1.99859e-3	19.71514		TCMX
2.950	VV	1538.38574	1.27448e-1	196.06436		PCB1242_1
3.219	BV	2850.61401	6.84328e-2	195.07536		PCB1242_2
3.591	VV	3870.94604	4.83767e-2	187.26378		PCB1242_3
4.047	PV	2049.92676	9.68676e-2	198.57148		PCB1242_4
4.425	VV	2122.51245	9.01373e-2	191.31744		PCB1242_5
6.351	VV	44.81857	0.00000	0.00000		DBC
7.095	PB	7972.79297	2.44186e-3	19.46847		DCBP

Totals : 1007.47603

BWS
6.17.09

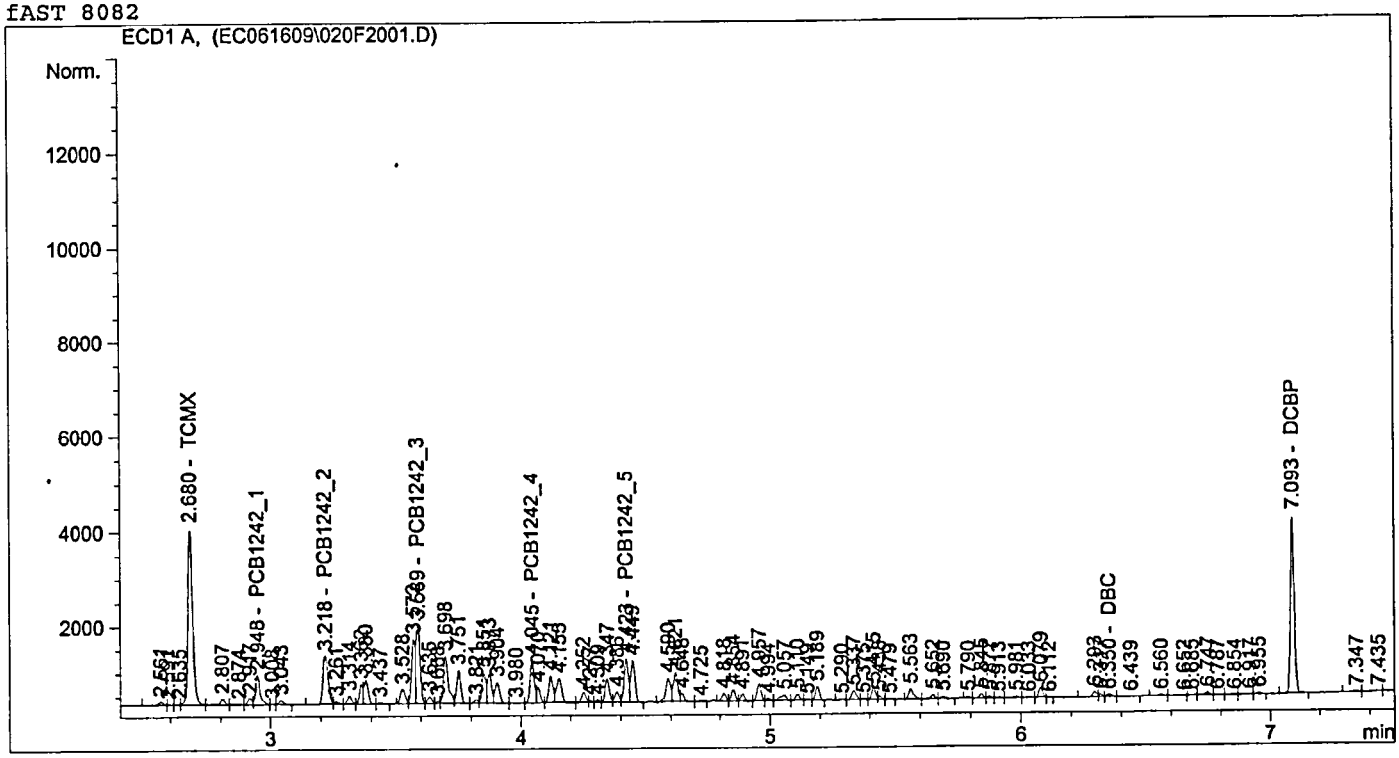
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 6:19:35 PM Seq. Line : 20
Sample Name : A1242 x100 ICAL Location : Vial 20
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed : 6/17/2009 10:55:31 AM by BWS
fAST 8082



==========

External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	4837.55371	2.43066e-3	11.75844		TCMX
2.948	VV	793.58032	1.29660e-1	102.89531		PCB1242_1
3.218	BV	1467.12085	6.96042e-2	102.11777		PCB1242_2
3.589	VV	1857.66870	5.31227e-2	98.68435		PCB1242_3
4.045	VV	1025.63940	1.09065e-1	111.86094		PCB1242_4
4.423	VV	1045.56165	1.02416e-1	107.08219		PCB1242_5
6.350	VV	56.60671	0.00000	0.00000		DBC
7.093	VB	3930.30664	2.94731e-3	11.58384		DCBP

Totals : 545.98284

BWS
6.17.09

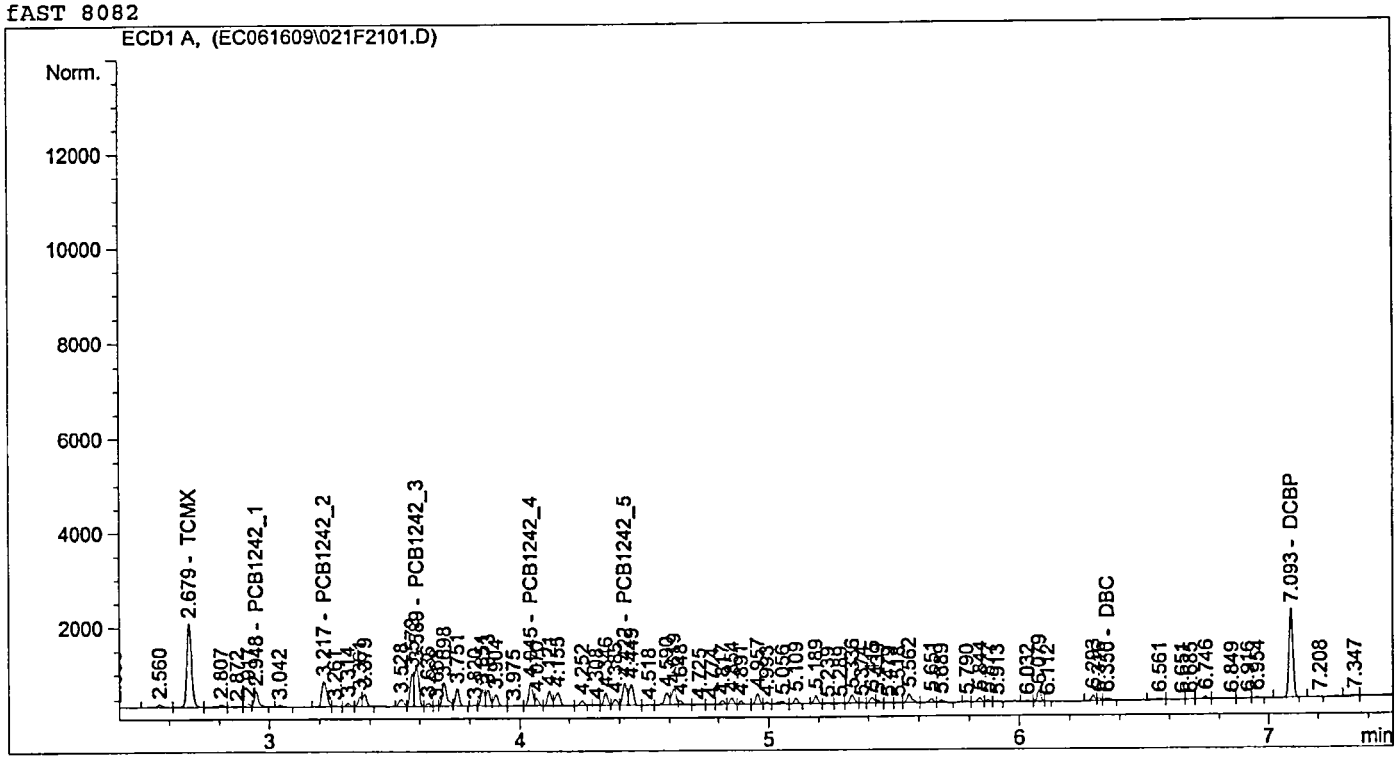
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 6:32:31 PM Seq. Line : 21
Sample Name : A1242 x40 ICAL Location : Vial 21
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed : 6/17/2009 10:55:31 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2277.57568	3.38364e-3	7.70651		TCMX
2.948	VV	403.00357	1.34087e-1	54.03736		PCB1242_1
3.217	VV	725.38965	7.20723e-2	52.28049		PCB1242_2
3.589	VV	897.33759	6.28883e-2	56.43206		PCB1242_3
4.045	VV	509.78085	1.33766e-1	68.19119		PCB1242_4
4.422	VV	513.44421	1.27496e-1	65.46186		PCB1242_5
6.350	VV	56.95115	0.00000	0.00000		DBC
7.093	BV	1966.44092	3.94288e-3	7.75343		DCBP

Totals : 311.86290

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

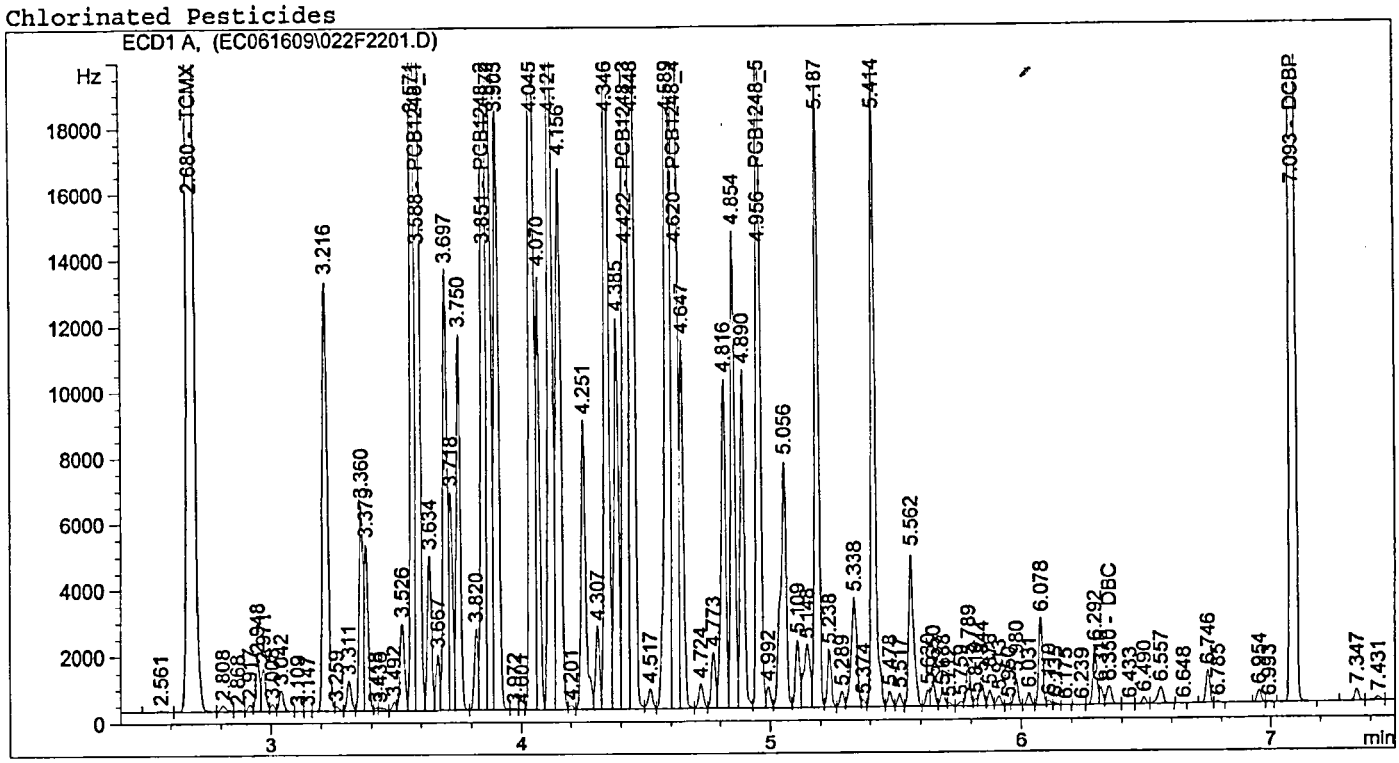
Data File C:\HPCHEM\1\DATA\EC061609\022F2201.D Sample Name: A1248 x2000 ICAL

==========

Injection Date : 6/16/2009 6:45:23 PM Seq. Line : 22
Sample Name : A1248 x2000 ICAL Location : Vial 22
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed : 6/17/2009 11:03:28 AM by BWS
(modified after loading)

Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:02:53 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	1.29592e5	1.56648e-3	203.00286		TCMX
3.588	VV	3.66658e4	5.51413e-2	2021.79814		PCB1248_1
3.851	VV	3.11485e4	6.45359e-2	2010.19920		PCB1248_2
4.422	VV	5.81616e4	3.48179e-2	2025.06568		PCB1248_3
4.620	VV	4.46546e4	4.53601e-2	2025.53551		PCB1248_4
4.956	VV	2.71306e4	7.47898e-2	2029.09034		PCB1248_5
6.350	VV	766.40961	2.61907e-1	200.72788		DBC
7.093	BV	1.04567e5	1.94984e-3	203.88982		DCBP
Totals :				1.07193e4		

BWS
6.17.09

Results obtained with enhanced integrator!

==========

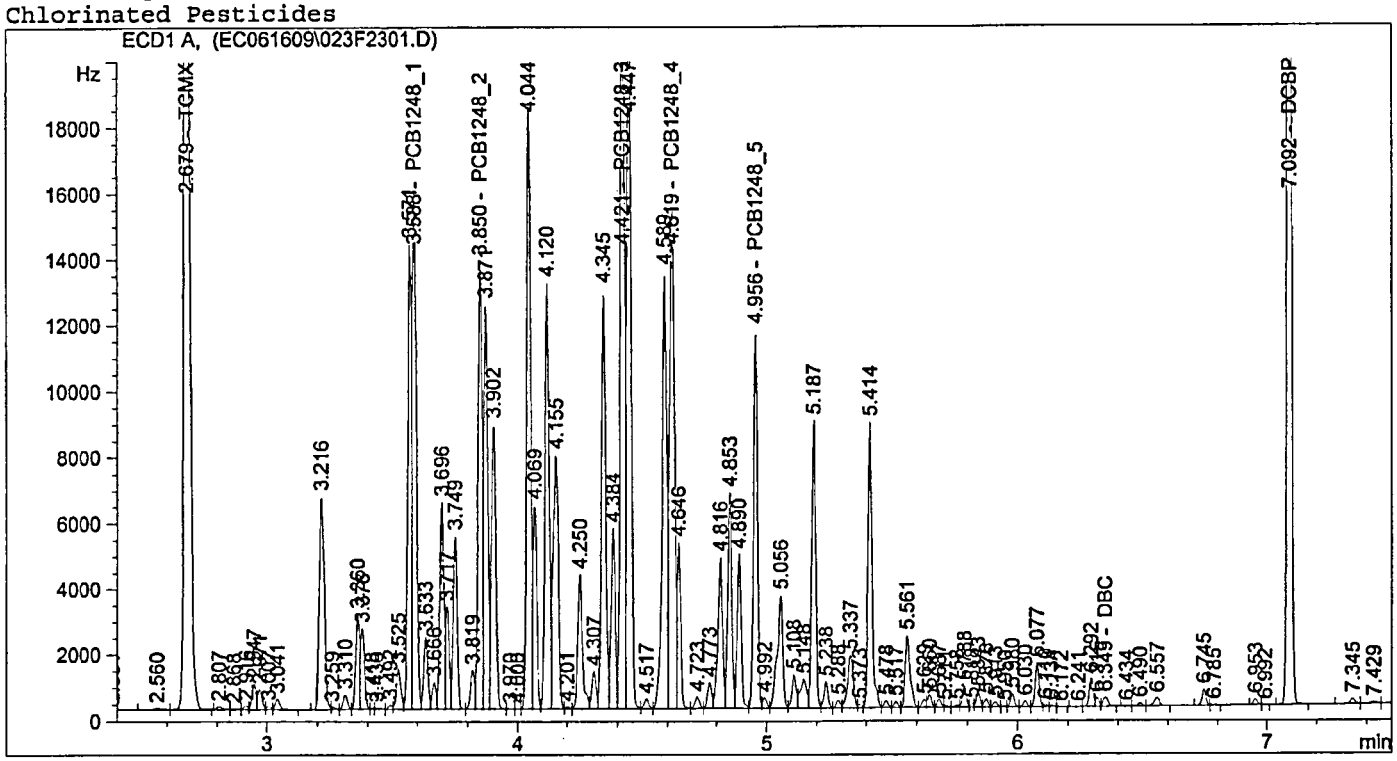
*** End of Report ***

Data File C:\HPCHEM\1\DATA\EC061609\023F2301.D Sample Name: A1248 x1000 ICAL

==========

Injection Date : 6/16/2009 6:58:15 PM Seq. Line : 23
Sample Name : A1248 x1000 ICAL Location : Vial 23
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:02:53 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	5.91737e4	1.61856e-3	95.77608		TCMX
3.588	VV	1.72012e4	5.64207e-2	970.50645		PCB1248_1
3.850	VV	1.50825e4	6.60115e-2	995.61554		PCB1248_2
4.421	VV	2.69915e4	3.57349e-2	964.53920		PCB1248_3
4.619	VV	2.07182e4	4.65335e-2	964.09235		PCB1248_4
4.956	VV	1.24627e4	7.68971e-2	958.34194		PCB1248_5
6.349	VB	400.58411	2.49832e-1	100.07870		DBC
7.092	VB	4.66681e4	2.01809e-3	94.18048		DCBP

Totals : 5143.13073

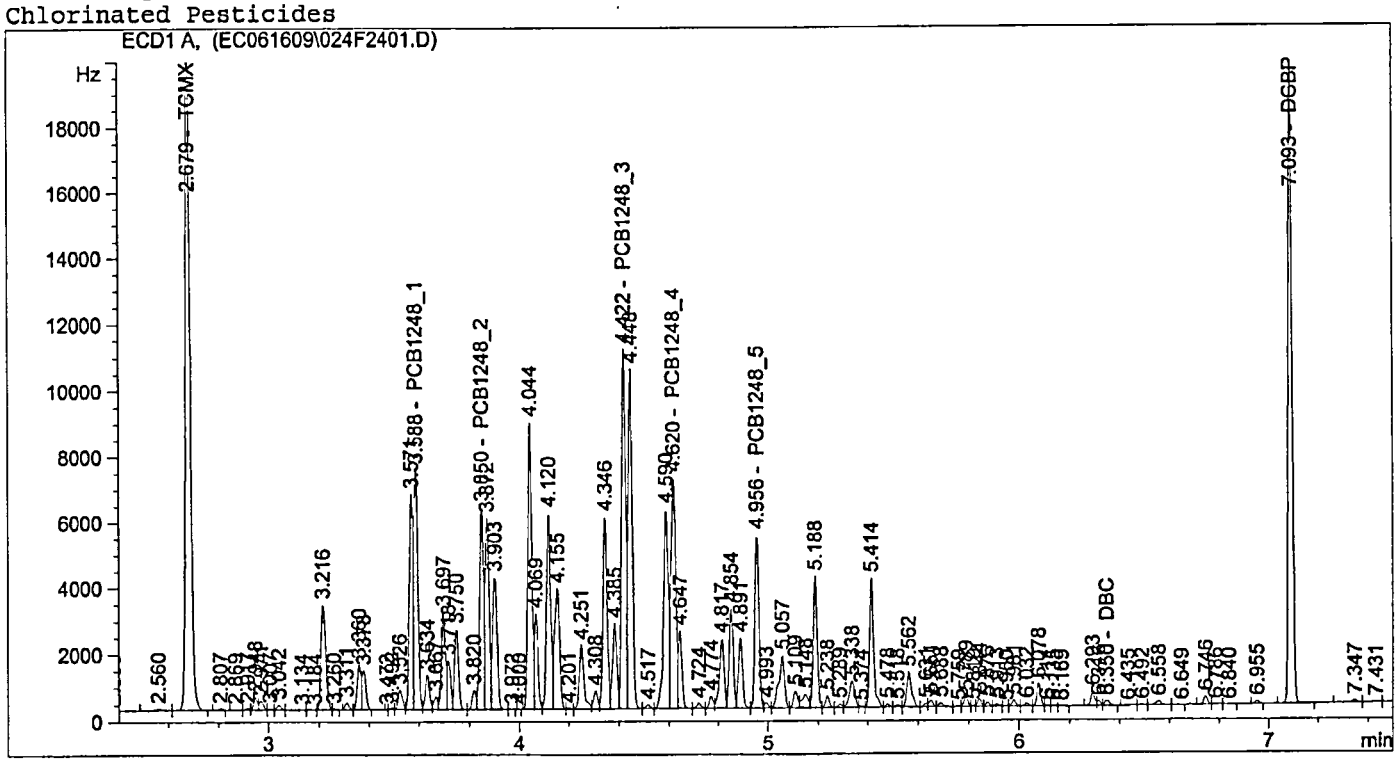
BWS
6.17.09

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 7:11:15 PM          Seq. Line :  24
Sample Name     : A1248 x500 ICAL                Location : Vial 24
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	2.65143e4	1.73661e-3	46.04496		TCMX
3.588	VV	7947.63037	5.92269e-2	470.71361		PCB1248_1
3.850	VV	6716.69434	6.95747e-2	467.31201		PCB1248_2
4.422	VV	1.24080e4	3.77458e-2	468.34971		PCB1248_3
4.620	VV	9514.63184	4.91111e-2	467.27423		PCB1248_4
4.956	VV	5683.82764	8.15457e-2	463.49196		PCB1248_5
6.350	VB	209.95770	2.26864e-1	47.63186		DBC
7.093	VB	2.09592e4	2.16929e-3	45.46662		DCBP

Totals : 2476.28497

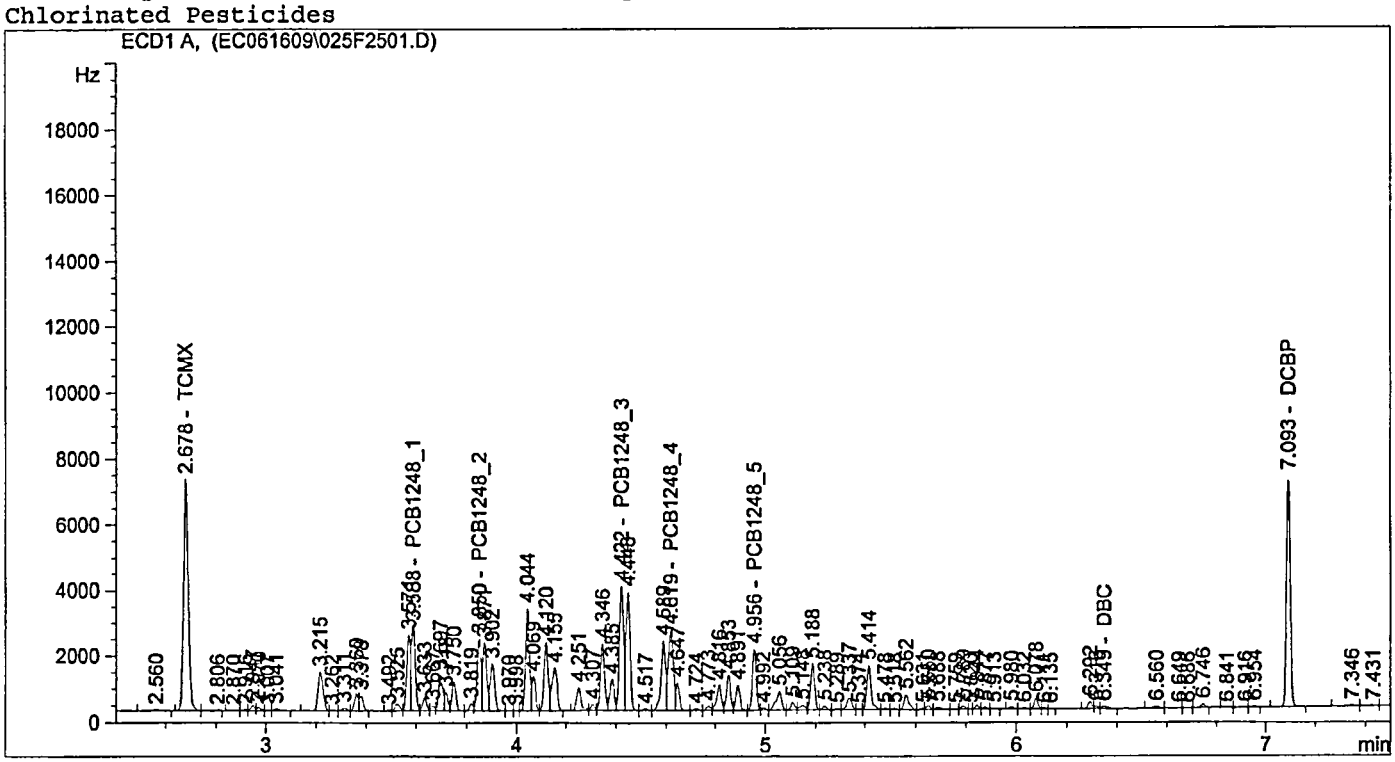
BWS
6.17.09

Results obtained with enhanced integrator!

==

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 7:24:05 PM          Seq. Line :  25
Sample Name     : A1248 x200 ICAL                Location : Vial 25
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

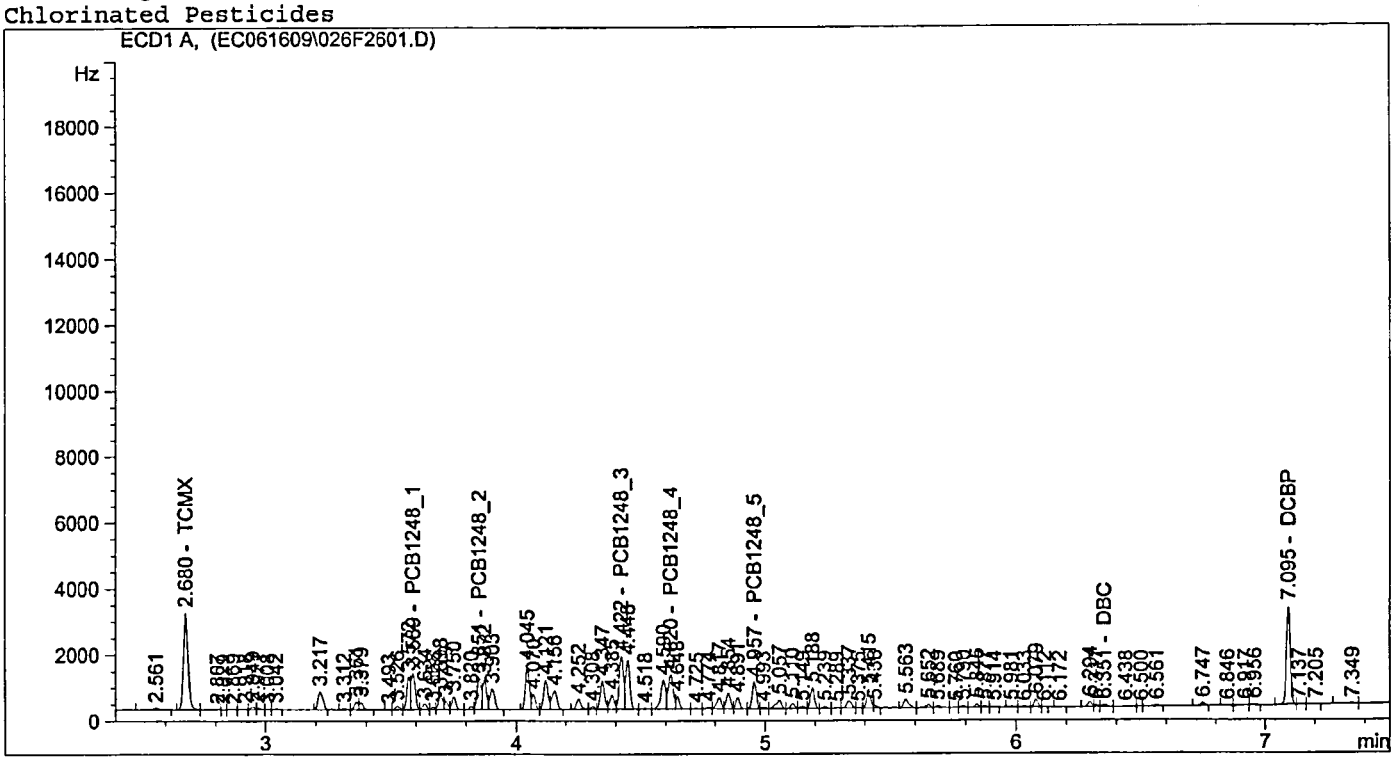
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	9037.30078	2.15025e-3	19.43242		TCMX
3.588	VV	2780.86670	6.89187e-2	191.65365		PCB1248_1
3.850	VV	2357.02759	8.14568e-2	191.99596		PCB1248_2
4.422	VV	4327.10547	4.46966e-2	193.40674		PCB1248_3
4.619	VV	3333.63086	5.79492e-2	193.18114		PCB1248_4
4.956	VV	1994.11768	9.73592e-2	194.14578		PCB1248_5
6.349	VB	100.45596	1.74253e-1	17.50476		DBC
7.093	BB	7328.20898	2.67982e-3	19.63826		DCBP

Totals : 1020.95871

BWS
6-17-09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:37:02 PM          Seq. Line :  26
Sample Name     : A1248 x100 ICAL                Location : Vial 26
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

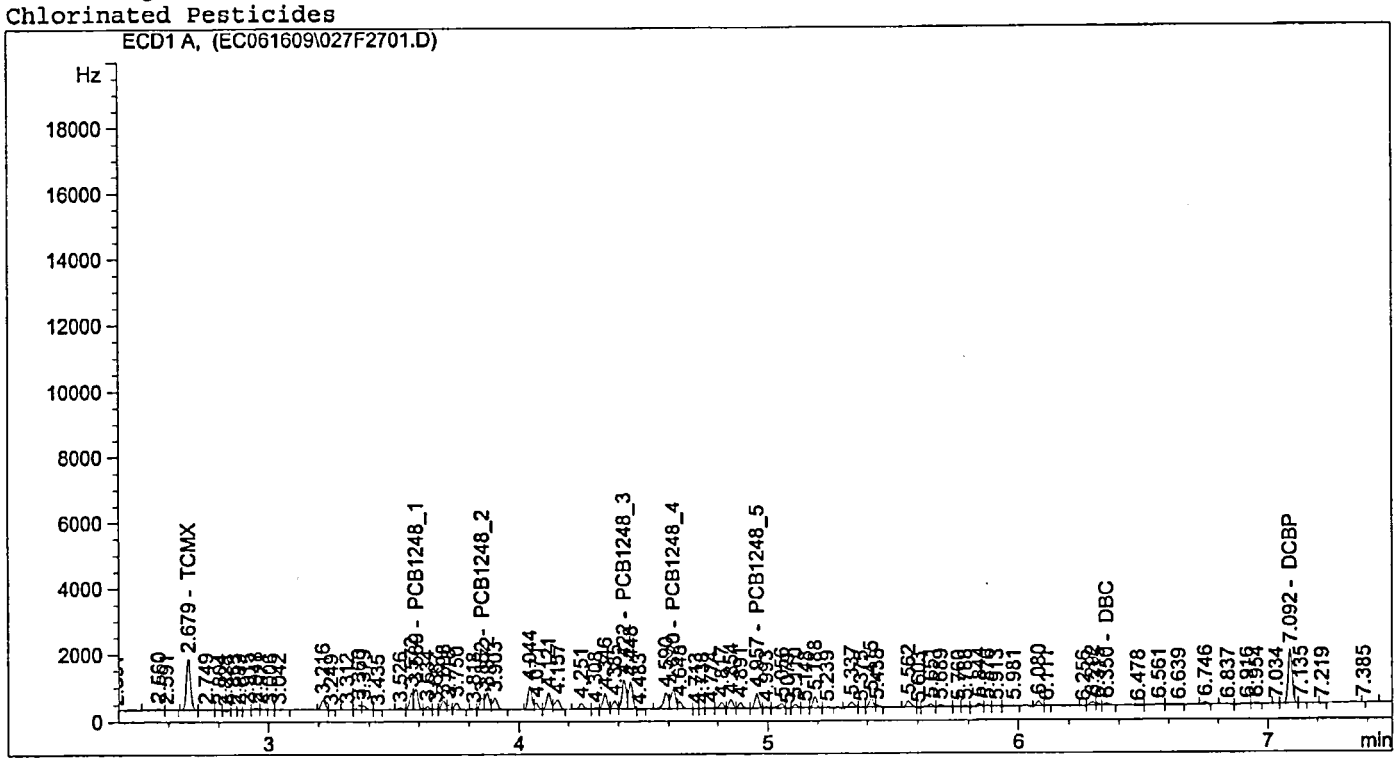
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	BV	3712.91650	3.05013e-3	11.32487		TCMX
3.589	VV	1206.29956	8.83780e-2	106.61035		PCB1248_1
3.851	VV	1041.66187	1.04573e-1	108.92969		PCB1248_2
4.422	VV	1840.27234	5.91190e-2	108.79501		PCB1248_3
4.620	VV	1445.28992	7.57244e-2	109.44370		PCB1248_4
4.957	VV	865.40601	1.29131e-1	111.75064		PCB1248_5
6.351	VV	72.35494	1.35075e-1	9.77336		DBC
7.095	VV	3173.20874	3.70768e-3	11.76526		DCBP

Totals : 578.39286

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:49:47 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

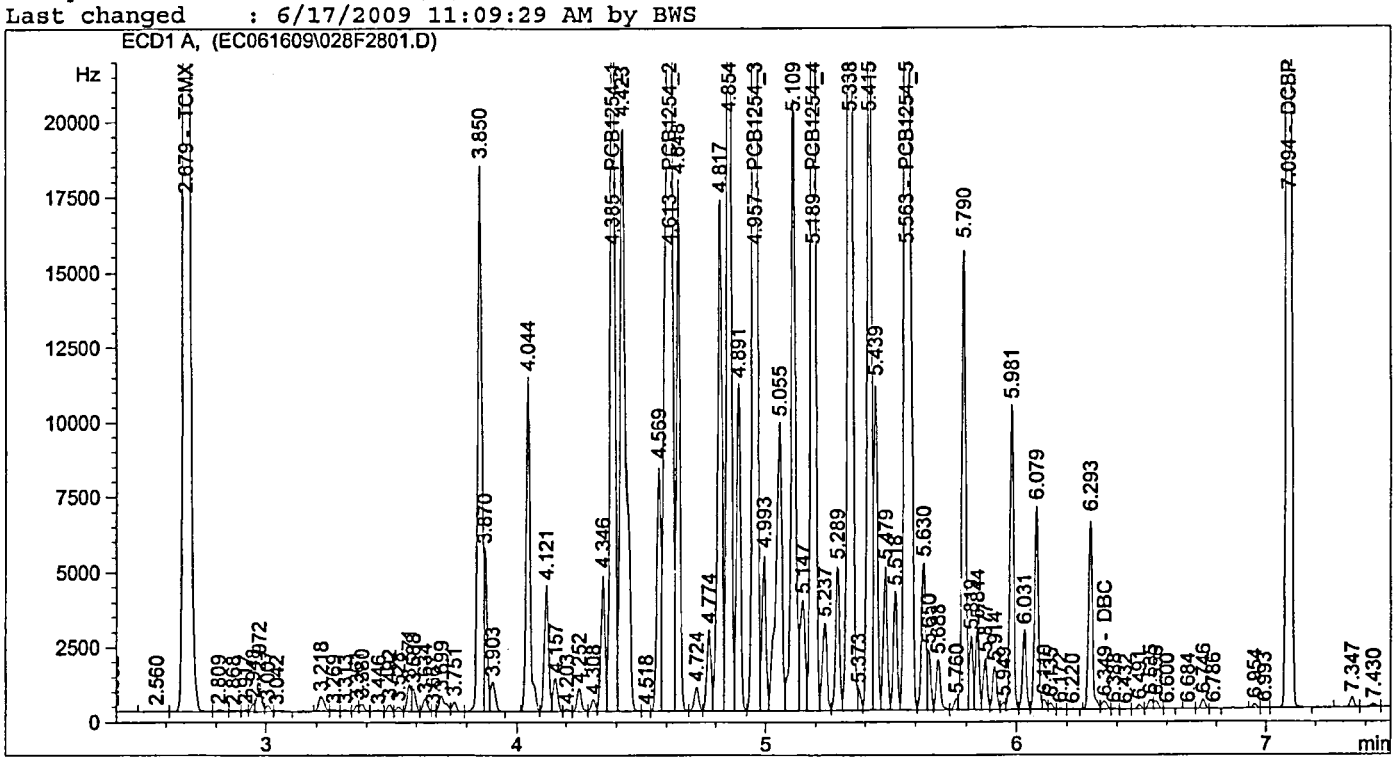
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	BV	1804.44470	4.66559e-3	8.41880		TCMX
3.589	VV	689.87244	1.14105e-1	78.71781		PCB1248_1
3.852	VV	361.03488	1.82663e-1	65.94761		PCB1248_2
4.422	VV	989.36005	8.07023e-2	79.84367		PCB1248_3
4.620	VV	791.98114	1.01610e-1	80.47308		PCB1248_4
4.957	VV	474.01437	1.75479e-1	83.17933		PCB1248_5
6.350	VV	66.93967	1.23745e-1	8.28346		DBC
7.092	PV	1745.26758	5.19093e-3	9.05955		DCBP
Totals :				413.92331		

BWS
6-17-09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 8:02:36 PM          Seq. Line :  28
Sample Name     : A1254 x2000 ICAL               Location : Vial 28
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.22053e5	1.64476e-3	200.74826		TCMX
4.385	VV	3.54882e4	5.61857e-2	1993.92745		PCB1254_1
4.613	VV	6.50329e4	3.06972e-2	1996.32766		PCB1254_2
4.957	VV	6.96113e4	2.87116e-2	1998.65055		PCB1254_3
5.189	VV	5.35099e4	3.74030e-2	2001.43030		PCB1254_4
5.563	VV	7.03196e4	2.84810e-2	2002.77366		PCB1254_5
6.349	VV	399.02768	9.50029e-1	379.08784		DBC
7.094	VB	9.78117e4	2.05768e-3	201.26552		DCBP

Totals : 1.07742e4

BWS
6.17.09

Results obtained with enhanced integrator!

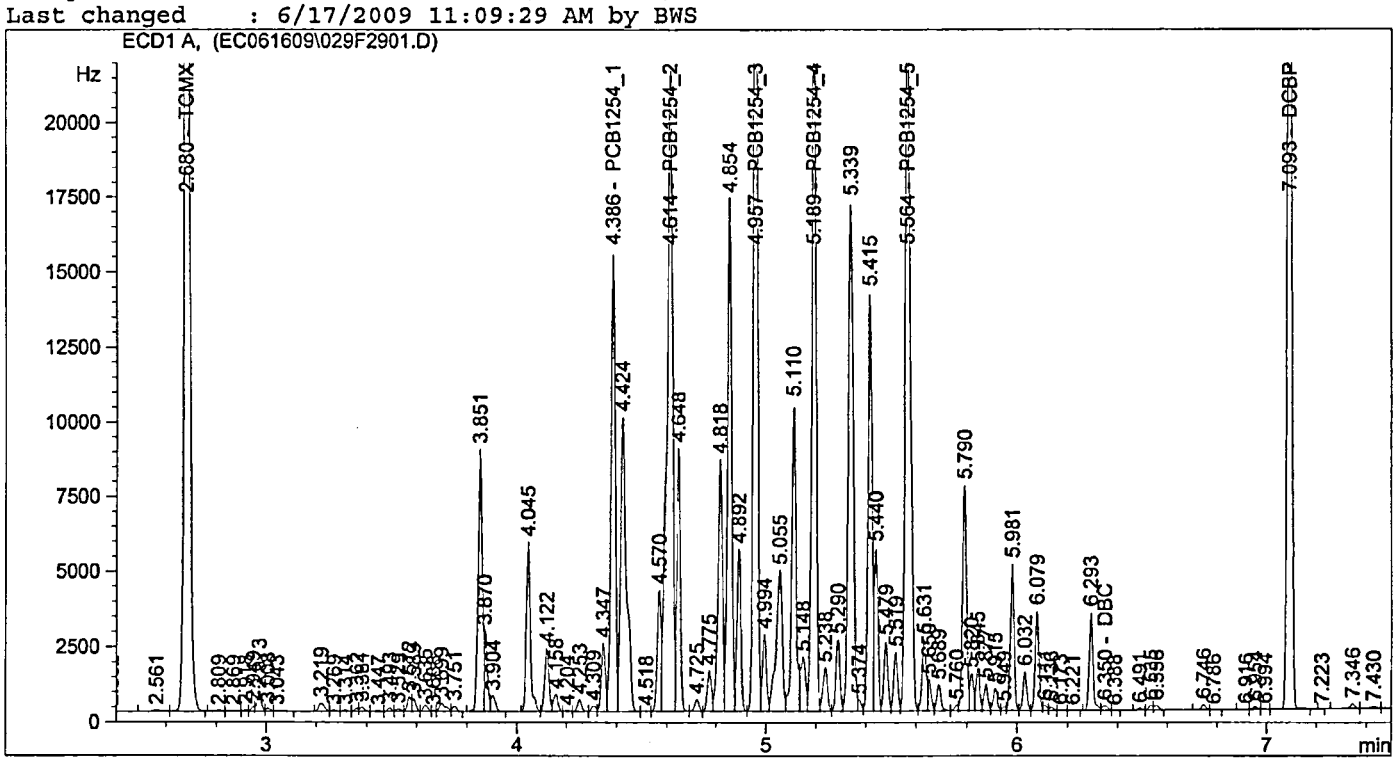
```
==================================================================
                      *** End of Report ***
```

Data File C:\HPCHEM\1\DATA\EC061609\029F2901.D Sample Name: A1254 x1000 ICAL

==========

Injection Date : 6/16/2009 8:15:36 PM Seq. Line : 29
Sample Name : A1254 x1000 ICAL Location : Vial 29
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VB	5.90748e4	1.67583e-3	98.99900		TCMX
4.386	VV	1.79271e4	5.65267e-2	1013.35817		PCB1254_1
4.614	VV	3.26436e4	3.09336e-2	1009.78517		PCB1254_2
4.957	VV	3.46685e4	2.90225e-2	1006.16530		PCB1254_3
5.189	VV	2.64542e4	3.78543e-2	1001.40418		PCB1254_4
5.564	VV	3.46506e4	2.88480e-2	999.60283		PCB1254_5
6.350	VV	239.65477	0.00000	0.00000		DBC
7.093	VB	4.69330e4	2.09460e-3	98.30605		DCBP

Totals : 5227.62071

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

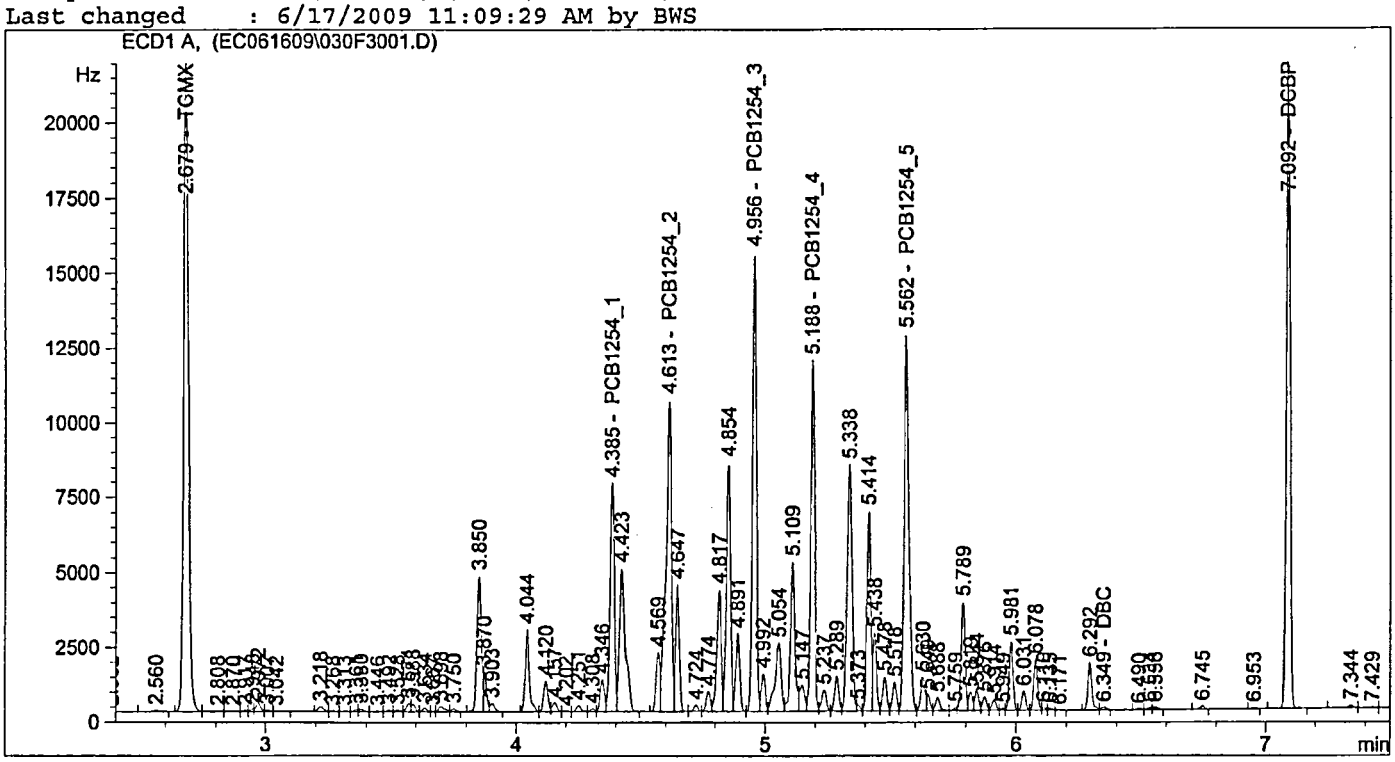
Warning : Negative results set to zero (cal. curve intercept), (DBC)

Data File C:\HPCHEM\1\DATA\EC061609\030F3001.D Sample Name: A1254 x500 ICAL

==========

Injection Date : 6/16/2009 8:28:31 PM Seq. Line : 30
Sample Name : A1254 x500 ICAL Location : Vial 30
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2.86009e4	1.73998e-3	49.76491		TCMX
4.385	VV	8812.30469	5.72395e-2	504.41229		PCB1254_1
4.613	VV	1.59512e4	3.14303e-2	501.35128		PCB1254_2
4.956	VV	1.68036e4	2.96809e-2	498.74692		PCB1254_3
5.188	VV	1.27868e4	3.88083e-2	496.23276		PCB1254_4
5.562	VV	1.67089e4	2.96250e-2	495.00058		PCB1254_5
6.349	VV	139.15649	0.00000	0.00000		DBC
7.092	VV	2.23516e4	2.17267e-3	48.56259		DCBP

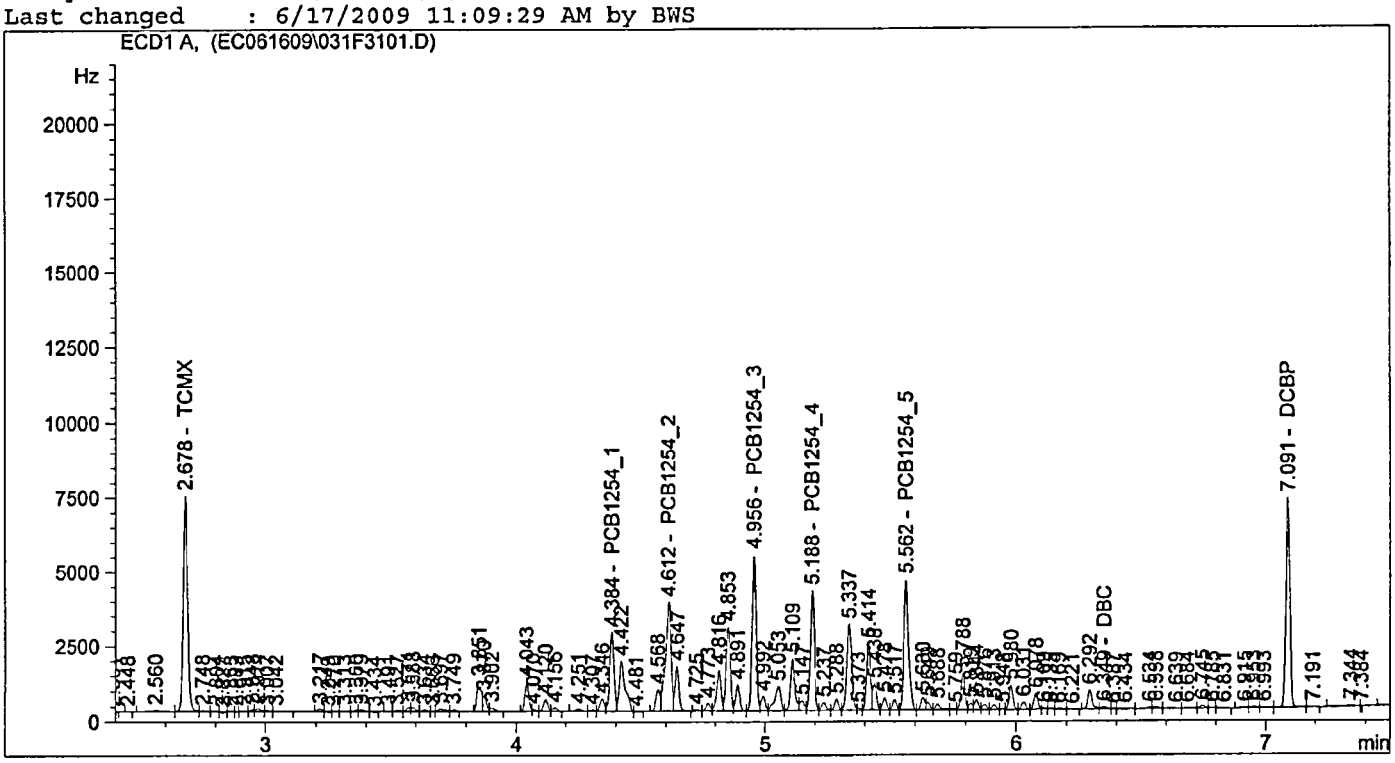
Totals : 2594.07133

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:41:32 PM          Seq. Line :  31
Sample Name     : A1254 x200 ICAL                Location : Vial 31
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	8524.24609	2.03289e-3	17.32882		TCMX
4.384	VV	3080.65039	5.98480e-2	184.37073		PCB1254_1
4.612	VV	5549.41016	3.32512e-2	184.52429		PCB1254_2
4.956	VV	5754.39941	3.21343e-2	184.91339		PCB1254_3
5.188	VV	4395.10254	4.23342e-2	186.06293		PCB1254_4
5.562	VV	5617.83398	3.25875e-2	183.07117		PCB1254_5
6.349	VV	141.14275	0.00000	0.00000		DBC
7.091	VV	7539.11914	2.46550e-3	18.58767		DCBP

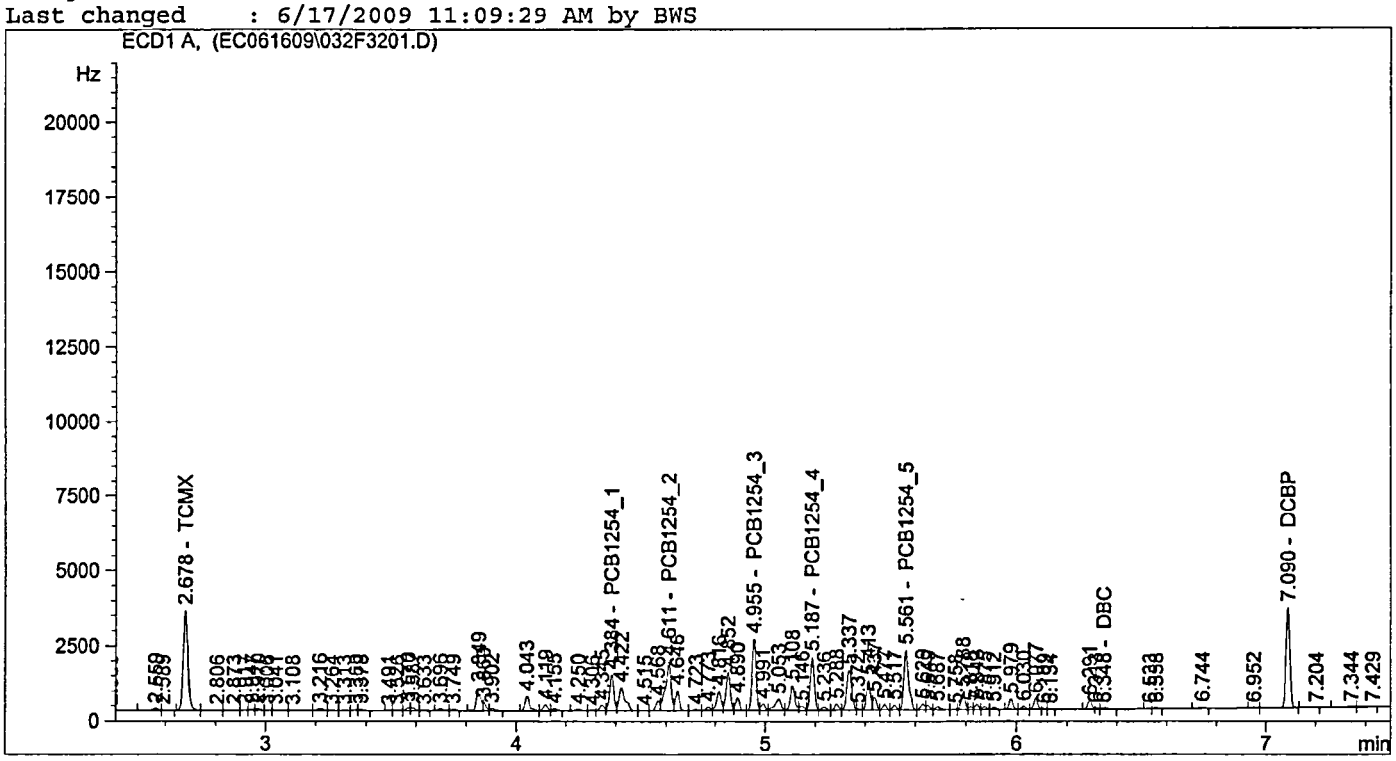
Totals : 958.85900

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:54:25 PM          Seq. Line :  32
Sample Name     : A1254 x100 ICAL                Location : Vial 32
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	4296.46533	2.44349e-3	10.49836		TCMX
4.384	VV	1435.14307	6.44463e-2	92.48963		PCB1254_1
4.611	VV	2587.54272	3.64473e-2	94.30903		PCB1254_2
4.955	VV	2598.47339	3.66658e-2	95.27513		PCB1254_3
5.187	VV	1981.65430	4.88773e-2	96.85782		PCB1254_4
5.561	VV	2636.43701	3.76345e-2	99.22098		PCB1254_5
6.348	VB	43.90696	0.00000	0.00000		DBC
7.090	VB	3566.89917	2.95758e-3	10.54939		DCBP

Totals : 499.20033

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

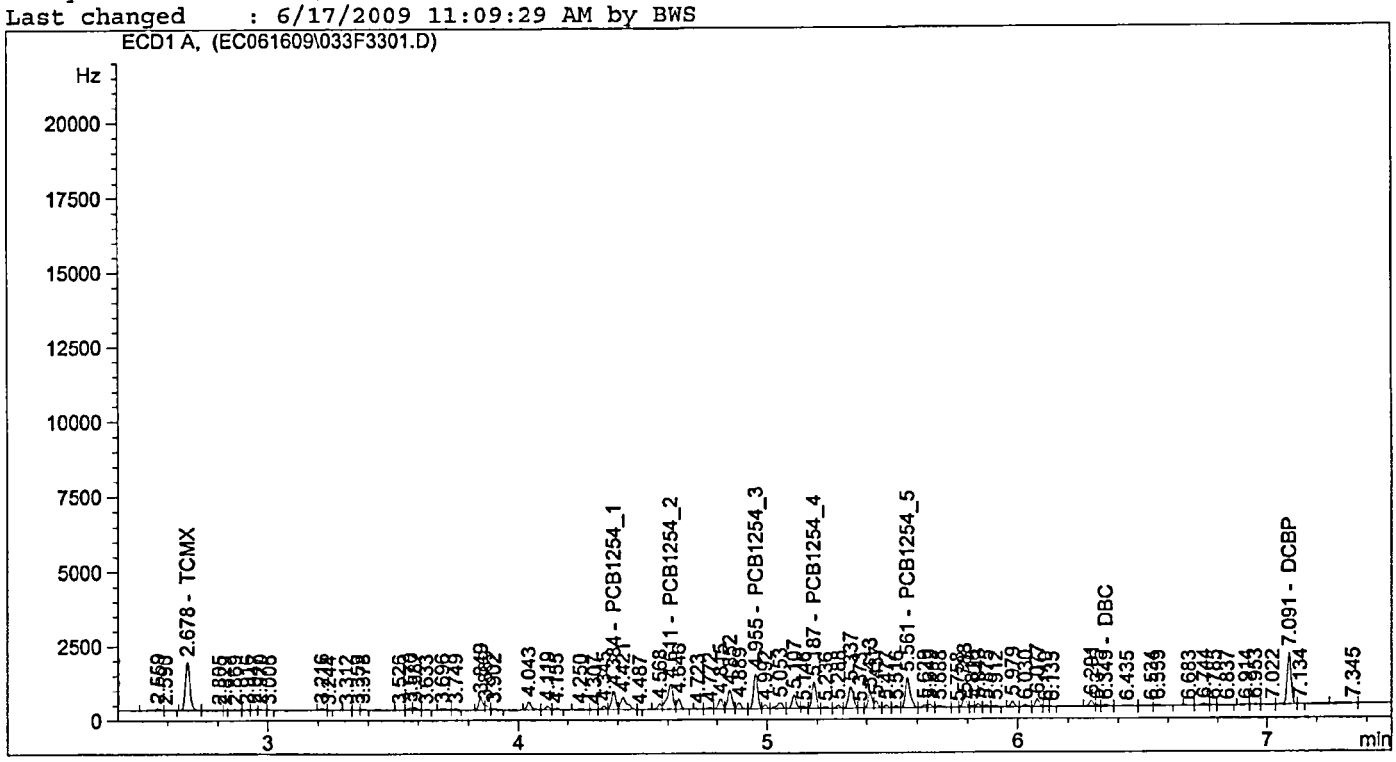
Warning : Negative results set to zero (cal. curve intercept), (DBC)

Data File C:\HPCHEM\1\DATA\EC061609\033F3301.D Sample Name: A1254 x40 ICAL

==========

Injection Date : 6/16/2009 9:07:20 PM Seq. Line : 33
Sample Name : A1254 x40 ICAL Location : Vial 33
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	2096.34692	3.31234e-3	6.94381		TCMX
4.384	VV	747.95959	7.23555e-2	54.11898		PCB1254_1
4.611	VV	1354.87512	4.18956e-2	56.76331		PCB1254_2
4.955	VV	1309.11450	4.48038e-2	58.65327		PCB1254_3
5.187	VV	1002.31152	6.05198e-2	60.65966		PCB1254_4
5.561	VV	1361.23328	4.65435e-2	63.35655		PCB1254_5
6.349	VV	60.24842	0.00000	0.00000		DBC
7.091	VV	1876.47437	3.79894e-3	7.12861		DCBP

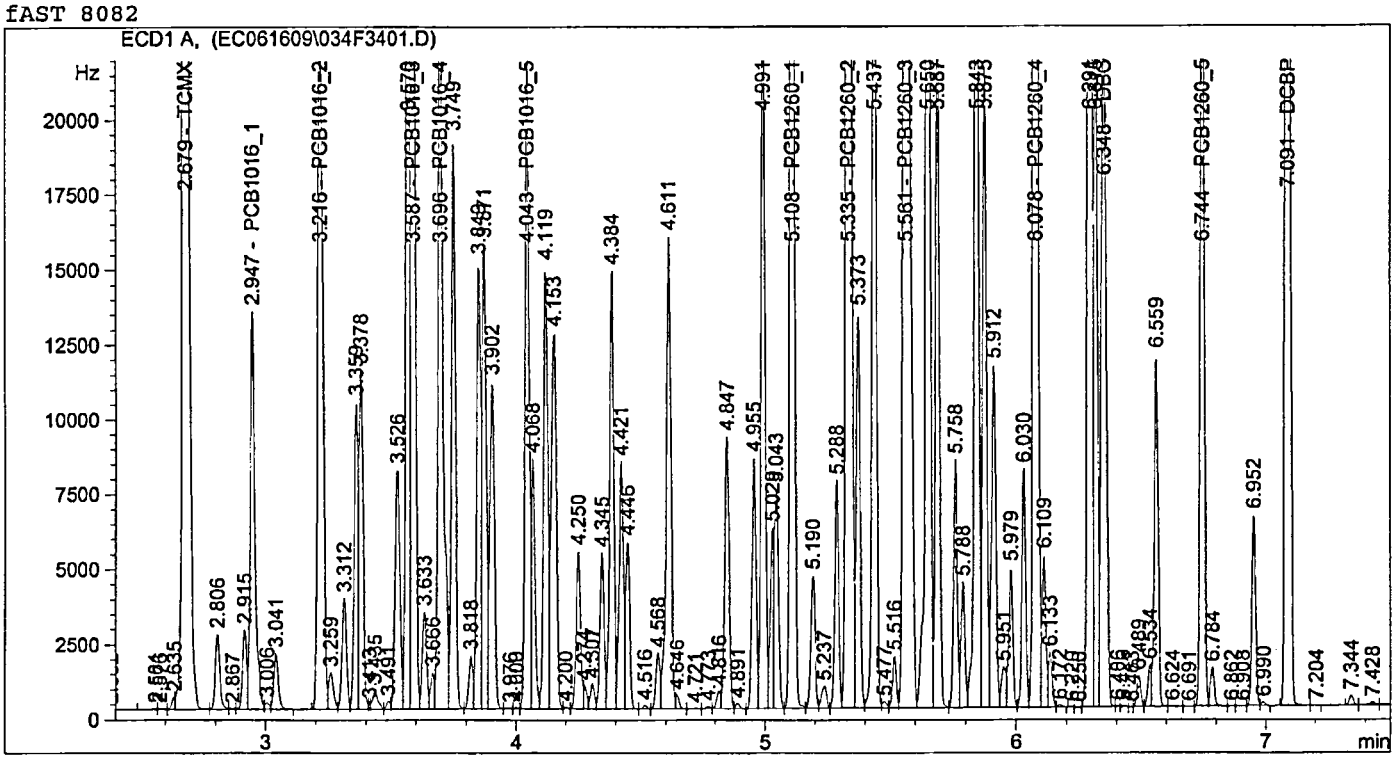
Totals : 307.62420

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 9:20:14 PM          Seq. Line :  34
Sample Name     : PCB x2000 ICAL                 Location : Vial 34
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.21250e5	1.65931e-3	201.19254		TCMX
2.947	VV	1.72408e4	1.15845e-1	1997.26688		PCB1016_1
3.216	PV	3.26845e4	6.08924e-2	1990.24185		PCB1016_2
3.587	VV	5.03406e4	3.98945e-2	2008.31722		PCB1016_3
3.696	VV	3.27770e4	6.11295e-2	2003.63813		PCB1016_4
4.043	VV	2.59332e4	7.73971e-2	2007.15412		PCB1016_5
5.108	VV	5.10187e4	3.94658e-2	2013.49142		PCB1260_1
5.335	VV	8.09492e4	2.48880e-2	2014.66536		PCB1260_2
5.561	VV	8.69555e4	2.31943e-2	2016.87090		PCB1260_3
6.078	VV	1.16463e5	1.73421e-2	2019.71412		PCB1260_4
6.348	VV	3.12323e4	6.46853e-3	202.02742		DBC
6.744	VV	2.96732e4	6.81750e-2	2022.96984		PCB1260_5
7.091	VV	1.00152e5	2.02414e-3	202.72162		DCBP

Totals : 2.07003e4

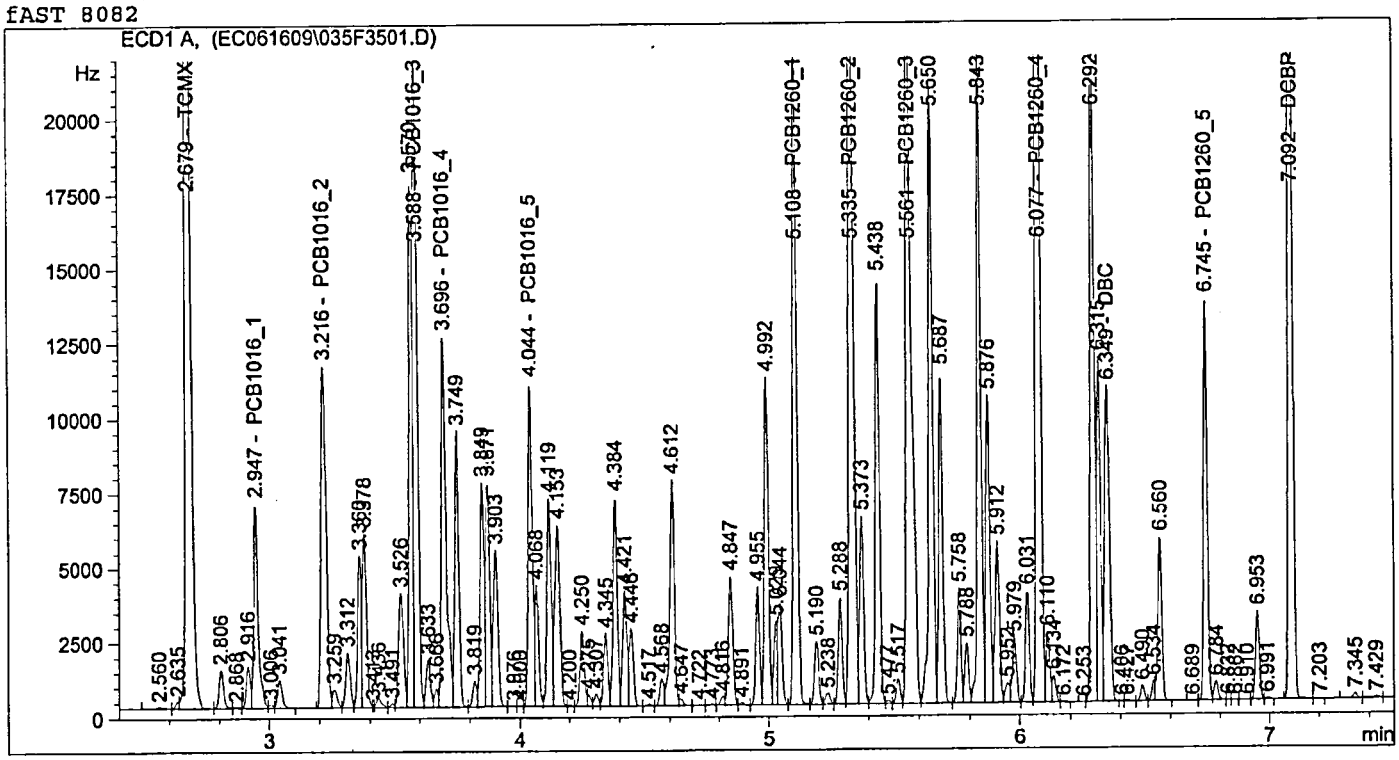
BWS
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\035F3501.D Sample Name: PCB x1000 ICAL

==========

Injection Date : 6/16/2009 9:33:02 PM Seq. Line : 35
Sample Name : PCB x1000 ICAL Location : Vial 35
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed : 6/17/2009 11:15:09 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	5.79653e4	1.67490e-3	97.08626		TCMX
2.947	VV	8630.02051	1.14947e-1	991.99581		PCB1016_1
3.216	PV	1.66326e4	6.03041e-2	1003.01564		PCB1016_2
3.588	VV	2.42770e4	4.00624e-2	972.59592		PCB1016_3
3.696	VV	1.60786e4	6.11591e-2	983.35443		PCB1016_4
4.044	VV	1.26056e4	7.75844e-2	977.99992		PCB1016_5
5.108	VV	2.43350e4	3.97752e-2	967.92764		PCB1260_1
5.335	VV	3.84732e4	2.51016e-2	965.73908		PCB1260_2
5.561	VV	4.10533e4	2.34433e-2	962.42580		PCB1260_3
6.077	VV	5.45419e4	1.75871e-2	959.23379		PCB1260_4
6.349	VV	1.46099e4	6.54455e-3	95.61555		DBC
6.745	VV	1.37551e4	6.91876e-2	951.68206		PCB1260_5
7.092	VB	4.59375e4	2.05757e-3	94.51957		DCBP

Totals : 1.00232e4

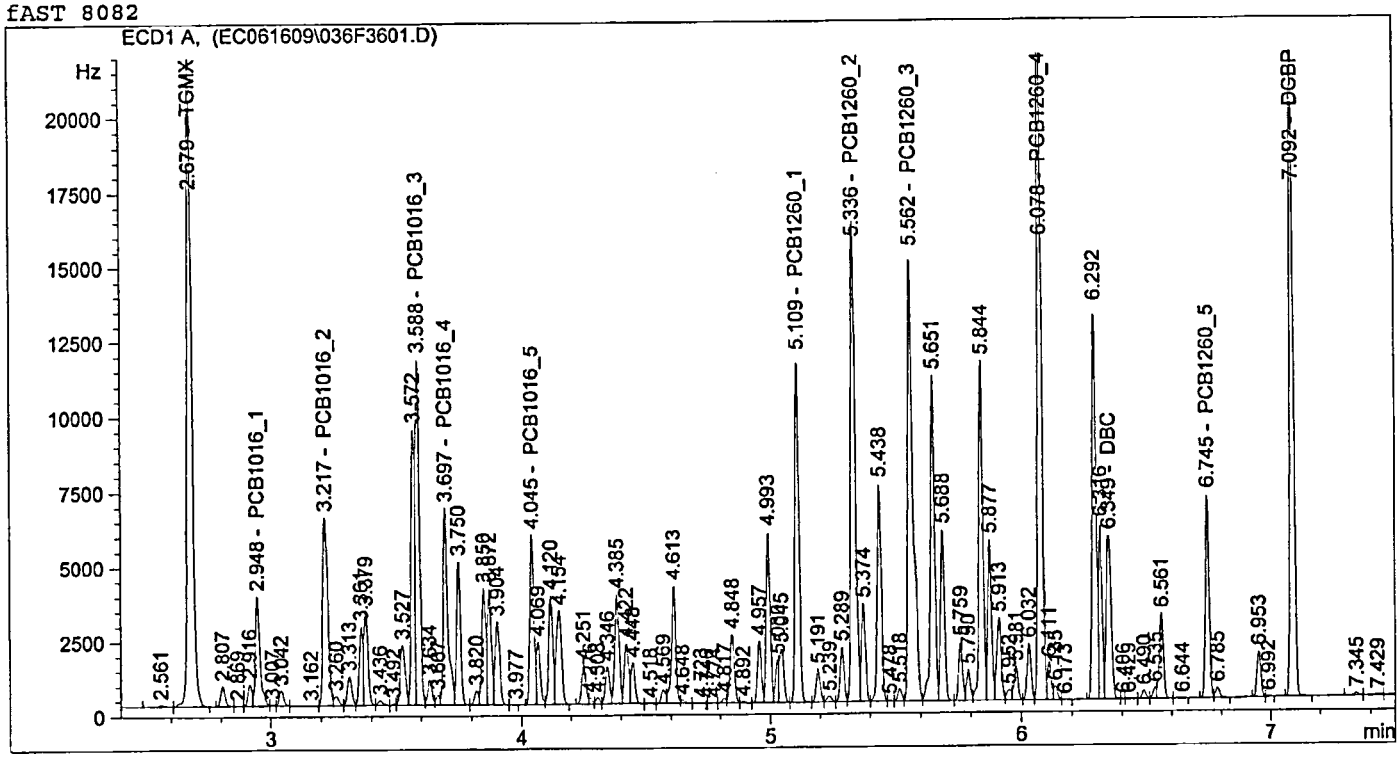
BWS
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\036F3601.D Sample Name: PCB x500 ICAL

==========

Injection Date : 6/16/2009 9:46:01 PM Seq. Line : 36
Sample Name : PCB x500 ICAL Location : Vial 36
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed : 6/17/2009 11:15:09 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

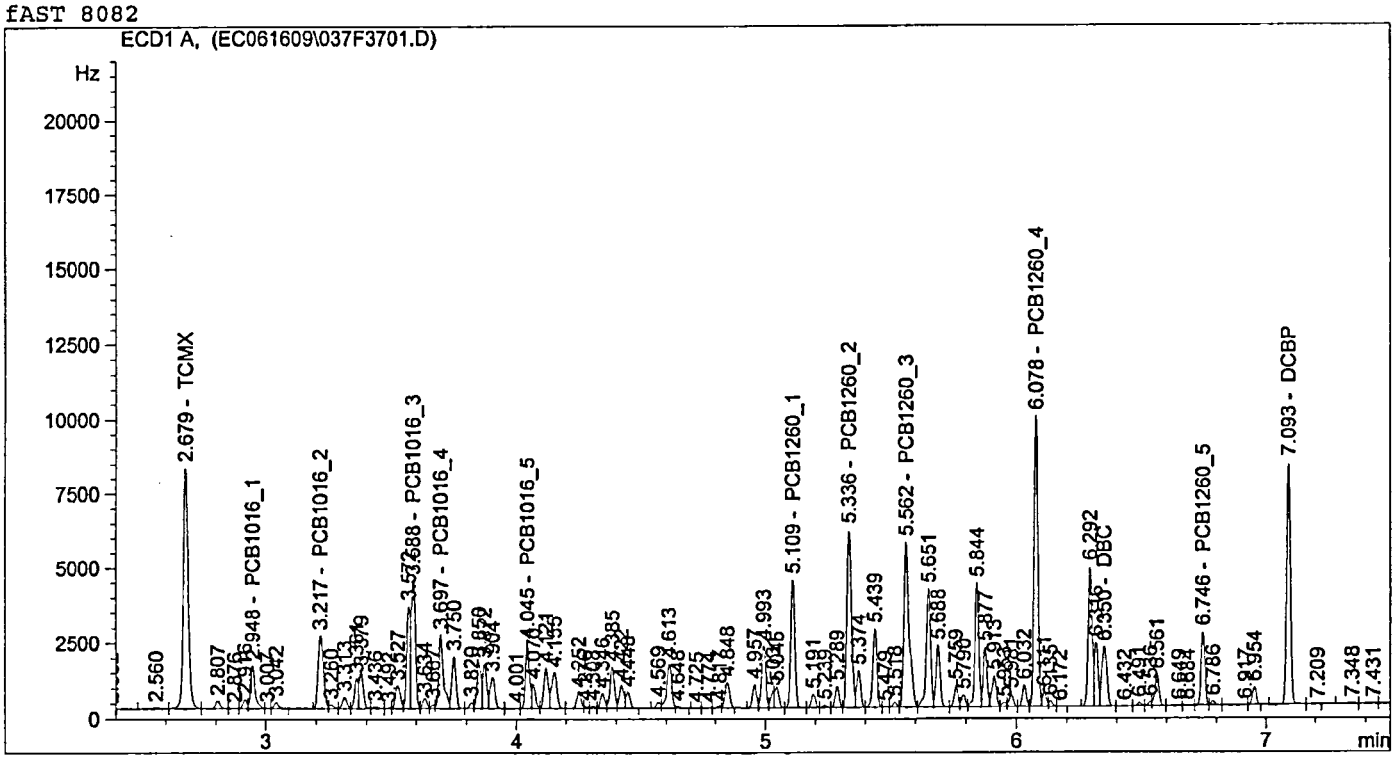
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	3.01046e4	1.70255e-3	51.25442		TCMX
2.948	VV	4683.42236	1.13431e-1	531.24715		PCB1016_1
3.217	PV	9094.14063	5.93109e-2	539.38206		PCB1016_2
3.588	VV	1.30108e4	4.03431e-2	524.89529		PCB1016_3
3.697	VV	8536.23145	6.12105e-2	522.50719		PCB1016_4
4.045	VV	6655.70361	7.79103e-2	518.54789		PCB1016_5
5.109	VV	1.26906e4	4.03179e-2	511.66021		PCB1260_1
5.336	VV	2.00608e4	2.54753e-2	511.05530		PCB1260_2
5.562	VV	2.12894e4	2.38813e-2	508.41859		PCB1260_3
6.078	VV	2.78606e4	1.80285e-2	502.28332		PCB1260_4
6.349	VV	7585.99463	6.67681e-3	50.65023		DBC
6.745	VV	7103.52344	7.09552e-2	504.03201		PCB1260_5
7.092	VB	2.35723e4	2.11616e-3	49.88272		DCBP

Totals : 5325.81638

BWS
6.17.09

ECD2 6/17/2009 11:16:03 AM BWS

```
==================================================================
Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  37
Sample Name     : PCB x200 ICAL                  Location : Vial 37
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

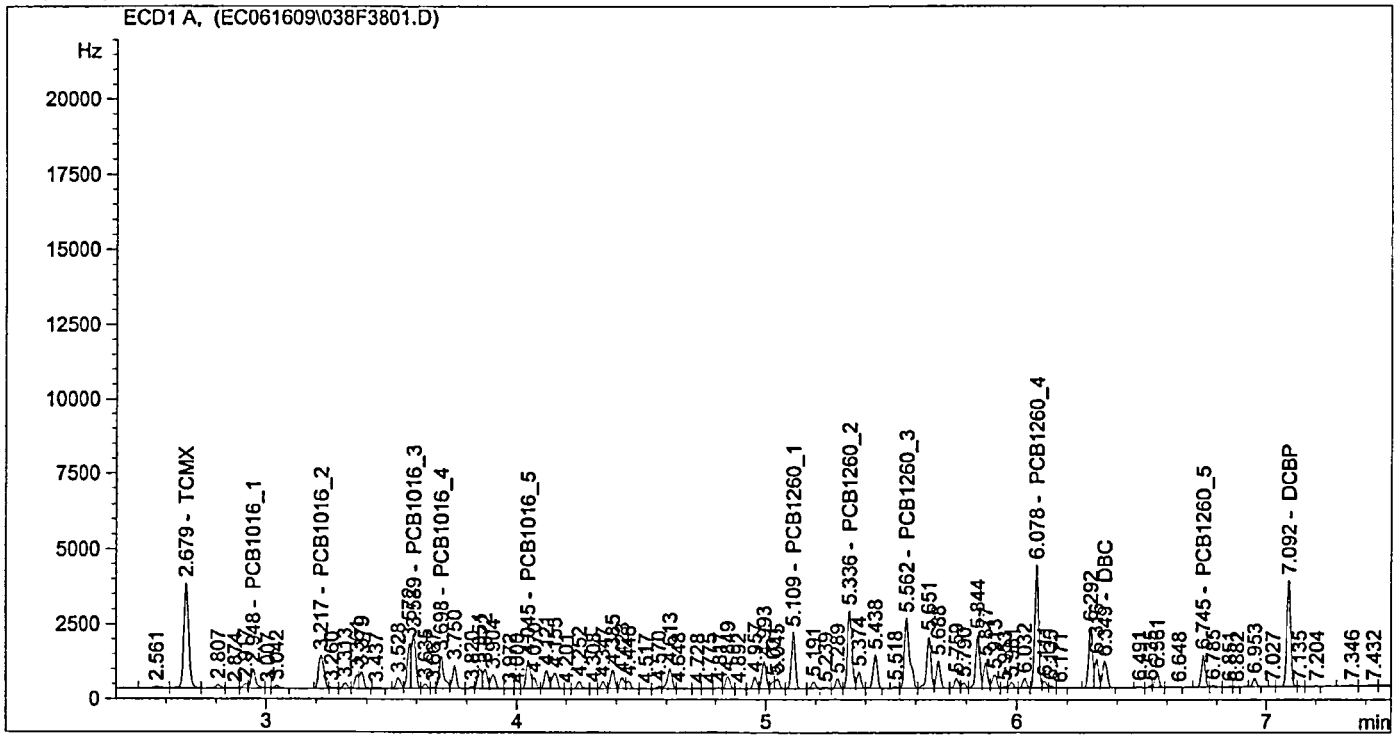
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.08099e4	1.80519e-3	19.51395		TCMX
2.948	VV	1826.83508	1.08249e-1	197.75265		PCB1016_1
3.217	BV	3515.66235	5.58341e-2	196.29384		PCB1016_2
3.588	VV	4714.23291	4.14076e-2	195.20522		PCB1016_3
3.697	VV	3178.36353	6.13953e-2	195.13662		PCB1016_4
4.045	VV	2462.75513	7.90857e-2	194.76877		PCB1016_5
5.109	VV	4633.16504	4.22905e-2	195.93902		PCB1260_1
5.336	VV	7301.72949	2.68395e-2	195.97470		PCB1260_2
5.562	VV	7683.14453	2.54925e-2	195.86235		PCB1260_3
6.078	VV	1.00399e4	1.96300e-2	197.08246		PCB1260_4
6.350	VV	2740.56128	7.16318e-3	19.63114		DBC
6.746	VV	2536.74219	7.75356e-2	196.68793		PCB1260_5
7.093	VB	8475.61133	2.33050e-3	19.75239		DCBP

Totals : 2019.60105

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 10:11:44 PM          Seq. Line :  38
Sample Name     : PCB x100 ICAL                   Location : Vial 38
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	4626.69043	2.01923e-3	9.34235		TCMX
2.948	VV	850.59192	9.84966e-2	83.78039		PCB1016_1
3.217	BV	1599.89221	4.90470e-2	78.46993		PCB1016_2
3.589	VV	2033.84790	4.36077e-2	88.69151		PCB1016_3
3.698	VV	1423.24719	6.17584e-2	87.89743		PCB1016_4
4.045	VV	1106.63562	8.13722e-2	90.04934		PCB1016_5
5.109	VV	2028.33423	4.62805e-2	93.87227		PCB1260_1
5.336	VV	3216.15210	2.95643e-2	95.08322		PCB1260_2
5.562	VV	3360.40771	2.87353e-2	96.56241		PCB1260_3
6.078	VV	4285.95654	2.29913e-2	98.53964		PCB1260_4
6.349	VB	1223.74329	8.10701e-3	9.92090		DBC
6.745	VV	1109.86353	9.06950e-2	100.65909		PCB1260_5
7.092	VV	3759.68237	2.75030e-3	10.34024		DCBP

Totals : 943.20871

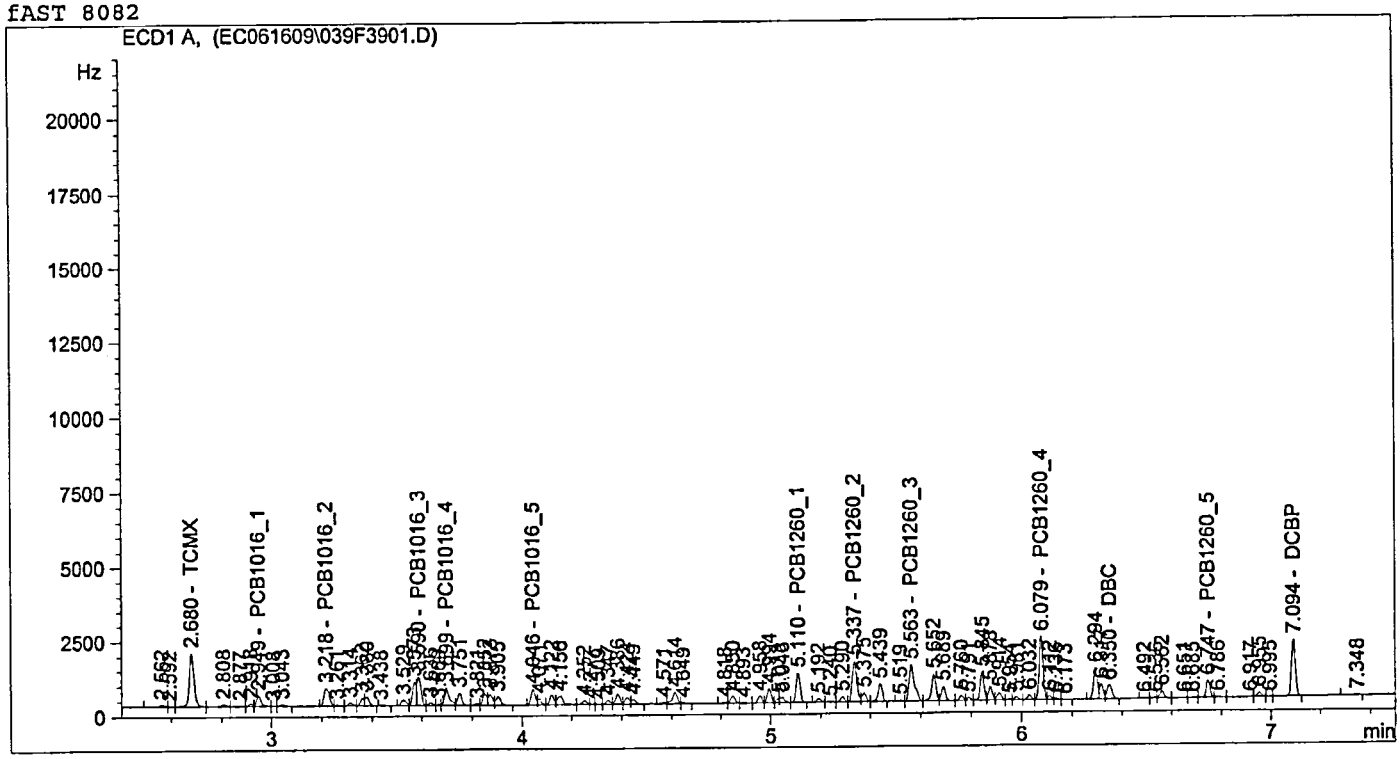
BWS
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\039F3901.D Sample Name: PCB x40 ICAL

==========

Injection Date : 6/16/2009 10:24:44 PM Seq. Line : 39
Sample Name : PCB x40 ICAL Location : Vial 39
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed : 6/17/2009 11:15:09 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	2358.12231	2.37921e-3	5.61048		TCMX
2.949	VV	458.08719	8.28600e-2	37.95712		PCB1016_1
3.218	BV	854.01141	3.81689e-2	32.59668		PCB1016_2
3.590	VV	1067.60730	4.71099e-2	50.29484		PCB1016_3
3.699	VV	761.53467	6.23297e-2	47.46620		PCB1016_4
4.046	PV	607.16089	8.47880e-2	51.47995		PCB1016_5
5.110	VV	1090.11560	5.23884e-2	57.10944		PCB1260_1
5.337	VV	1693.51343	3.39427e-2	57.48234		PCB1260_2
5.563	VV	1762.67249	3.39598e-2	59.85996		PCB1260_3
6.079	VV	2219.36157	2.84526e-2	63.14669		PCB1260_4
6.350	VV	635.44293	9.68579e-3	6.15477		DBC
6.747	VV	564.69189	1.13281e-1	63.96907		PCB1260_5
7.094	VV	1977.56738	3.43020e-3	6.78346		DCBP
Totals :				539.91099		

BWS
6/17/09

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	68.25872803	3.31863
		2	54.14932251	3.4258101
		3	171.6998596	3.47351
		4	0	0
		5	0	0
	100	1	134.818222	3.3185799
		2	93.75131226	3.4258699
		3	334.0836182	3.4739499
		4	0	0
		5	0	0
	200	1	275.8415222	3.31863
		2	187.9540558	3.42608
		3	654.3911743	3.4741499
		4	0	0
		5	0	0
	500	1	666.2232666	3.31865
		2	442.7644043	3.42591
		3	1580.27002	3.4739399
		4	0	0
		5	0	0
	1000	1	1352.282471	3.3185201
		2	878.3676147	3.42574
		3	3245.028809	3.4734499
		4	0	0
		5	0	0
	2000	1	2881.797607	3.31828
		2	1829.250732	3.42557
		3	6903.972168	3.4735999
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	3.2885	3.3485
2	3.3958	3.4558
3	3.4438	3.5038
4		
5		

Peak	Correlation Coefficient (r)
1	0.999397081
2	0.999671596
3	0.999354877
4	
5	

Peak	Slope (y)
1	0.69661673
2	1.103230345
3	0.290868062
4	
5	

Peak	Intercept (b)
1	15.45734798
2	-1.020489447
3	15.14532091
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	495.0893555	2.95327
		2	395.8239136	3.2230301
		3	525.0204468	3.5950401
		4	292.696106	4.0517302
		5	251.546936	4.4556398
	100	1	822.0823364	2.9533701
		2	627.5452271	3.22329
		3	845.7796021	3.5953801
		4	440.4623718	4.0520701
		5	406.5694275	4.45614
	200	1	1918.338501	2.9526601
		2	1475.925781	3.2225499
		3	1920.7677	3.59483
		4	955.569458	4.05125
		5	916.8273926	4.45506
	500	1	5459.367188	2.9532599
		2	4011.202393	3.2229099
		3	5890.492676	3.5949399
		4	2581.757813	4.0513
		5	2731.882568	4.4552202
	1000	1	10642.22656	2.95364
		2	8107.244629	3.22352
		3	11423.75781	3.5956399
		4	5312.279297	4.05231
		5	5470.343262	4.4562201
	2000	1	21929.52148	2.95332
		2	16745.51172	3.2232001
		3	24888.66992	3.59514
		4	11396.51563	4.0517502
		5	11935.27344	4.4556999

Peak	RT Window From	RT Window To
1	2.9233	2.9833
2	3.1931	3.2531
3	3.5652	3.6252
4	4.0217	4.0817
5	4.4257	4.4857

Peak	Correlation Coefficient (r)
1	0.99980252
2	0.999796603
3	0.999152508
4	0.999245784
5	0.999117781

Peak	Slope (y)
1	0.090809351
2	0.118921741
3	0.079932803
4	0.175114454
5	0.166558646

Peak	Intercept (b)
1	15.43408851
2	18.37121099
3	33.91633781
4	27.70412041
5	37.267483

PCB Initial Calibration Summary

Sample ID: A1242 Date: 16-Jun-09
Inst: ECD2 Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	403.0035706	2.94821
		2	725.3896484	3.2174399
		3	897.3375854	3.5889201
		4	509.7808533	4.0448699
		5	513.4442139	4.4223499
	100	1	793.5803223	2.9484501
		2	1467.12085	3.2176499
		3	1857.668701	3.5894201
		4	1025.639404	4.0453701
		5	1045.561646	4.4226699
	200	1	1538.385742	2.9498799
		2	2850.614014	3.21928
		3	3870.946045	3.5906601
		4	2049.926758	4.0471101
		5	2122.512451	4.4245901
	500	1	3628.715576	2.9507599
		2	6743.108398	3.21929
		3	10631.87207	3.5915501
		4	4836.100586	4.0467901
		5	5635.855957	4.4250598
	1000	1	8266.917969	2.9516699
		2	15512.74023	3.2212901
		3	22709.72656	3.59319
		4	11790.20996	4.0496001
		5	12501.0459	4.4270201
	2000	1	15892.9834	2.9526701
		2	29535.74609	3.2226501
		3	44998.21484	3.5947499
		4	23374.73242	4.0508699
		5	25335.19531	4.4284501

Peak	RT Window From	RT Window To
1	2.9203	2.9803
2	3.1896	3.2496
3	3.5614	3.6214
4	4.0174	4.0774
5	4.3950	4.4550

Peak	Correlation Coefficient (r)
1	0.999382277
2	0.99924372
3	0.999835192
4	0.998984327
5	0.99965219

Peak	Slope (y)
1	0.124937308
2	0.067088902
3	0.043983124
4	0.084482632
5	0.07816203

Peak	Intercept (b)
1	4.410879429
2	4.503517866
3	17.15669073
4	26.28450961
5	25.72961152

PCB Initial Calibration Summary

Sample ID: A1248
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	689.8724365	3.5885501
		2	361.0348816	3.8517399
		3	989.3600464	4.4222999
		4	791.9811401	4.6195402
		5	474.0143738	4.9567099
	100	1	1206.299561	3.5888801
		2	1041.661865	3.85131
		3	1840.272339	4.42238
		4	1445.289917	4.6200199
		5	865.4060059	4.9569502
	200	1	2780.866699	3.5878699
		2	2357.027588	3.85039
		3	4327.105469	4.4215598
		4	3333.630859	4.6187901
		5	1994.117676	4.9559798
	500	1	7947.630371	3.58832
		2	6716.694336	3.8503301
		3	12407.98633	4.42167
		4	9514.631836	4.61975
		5	5683.827637	4.9563398
	1000	1	17201.23828	3.5877299
		2	15082.45215	3.8497901
		3	26991.54883	4.4212699
		4	20718.24609	4.6191101
		5	12462.66113	4.9556799
	2000	1	36665.78516	3.5884299
		2	31148.52148	3.8506501
		3	58161.60547	4.4218602
		4	44654.57031	4.6196499
		5	27130.5918	4.9560599

Peak	RT Window From	RT Window To
1	3.5583	3.6183
2	3.8207	3.8807
3	4.3918	4.4518
4	4.5895	4.6495
5	4.9263	4.9863

Peak	Correlation Coefficient (r)
1	0.999329938
2	0.999647016
3	0.999192989
4	0.999159614
5	0.998955352

✓

Peak	Slope (y)
1	0.053938235
2	0.063106134
3	0.033968994
4	0.044269949
5	0.072846844

Peak	Intercept (b)
1	42.25924654
2	43.56928499
3	47.13983997
4	46.35215364
5	49.81163788

PCB Initial Calibration Summary

Sample ID: A1254
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	747.9595947	4.3836298
		2	1354.875122	4.61128
		3	1309.114502	4.9548202
		4	1002.311523	5.1868401
		5	1361.233276	5.5612702
	100	1	1435.143066	4.38377
		2	2587.542725	4.6112299
		3	2598.473389	4.9552302
		4	1981.654297	5.18681
		5	2636.437012	5.56142
	200	1	3080.650391	4.38446
		2	5549.410156	4.61164
		3	5754.399414	4.9558001
		4	4395.102539	5.1876402
		5	5617.833984	5.5620098
	500	1	8812.304688	4.3850398
		2	15951.19336	4.6125302
		3	16803.64844	4.95645
		4	12786.76074	5.1880298
		5	16708.86914	5.56218
	1000	1	17927.06445	4.3857198
		2	32643.64453	4.6135402
		3	34668.50781	4.9574499
		4	26454.19531	5.1893702
		5	34650.625	5.5636301
	2000	1	35488.17188	4.38515
		2	65032.93359	4.6129198
		3	69611.28906	4.95679
		4	53509.94531	5.18852
		5	70319.60156	5.56285

Peak	RT Window From	RT Window To
1	4.3546	4.4146
2	4.5822	4.6422
3	4.9261	4.9861
4	5.1579	5.2179
5	5.5322	5.5922

Peak	Correlation Coefficient (r)
1	0.999871063
2	0.999883624
3	0.999887813
4	0.999886128
5	0.999848139

Peak	Slope (y)
1	0.055854704
2	0.030471499
3	0.028411196
4	0.036973921
5	0.028133881

Peak	Intercept (b)
1	11.71563016
2	14.72687888
3	20.89432368
4	22.96707296
5	24.36222119

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	458.0871887	2.9489901
		2	854.0114136	3.2182
		3	1067.6073	3.58971
		4	761.534668	3.69853
		5	607.1608887	4.0458798
	100	1	850.5919189	2.9480901
		2	1599.892212	3.2174301
		3	2033.8479	3.58881
		4	1423.247192	3.6976199
		5	1106.63562	4.0448298
	200	1	1826.835083	2.94767
		2	3515.662354	3.2168901
		3	4714.23291	3.5883801
		4	3178.363525	3.69735
		5	2462.755127	4.0446401
	500	1	4683.422363	2.9478099
		2	9094.140625	3.2171299
		3	13010.7832	3.5883801
		4	8536.231445	3.6970899
		5	6655.703613	4.0445199
	1000	1	8630.020508	2.9468901
		2	16632.63867	3.2163401
		3	24277.0332	3.58762
		4	16078.62793	3.6963401
		5	12605.62012	4.04353
	2000	1	17240.79102	2.9468701
		2	32684.54492	3.21632
		3	50340.64453	3.5873201
		4	32776.96875	3.6963201
		5	25933.19531	4.04321

Peak	RT Window From	RT Window To
1	2.9177	2.9777
2	3.1871	3.2471
3	3.5584	3.6184
4	3.6672	3.7272
5	4.0144	4.0744

Peak	Correlation Coefficient (r)
1	0.999767974
2	0.999615666
3	0.999701823
4	0.99982024
5	0.999800099

Peak	Slope (y)
1	0.116691605
2	0.061454851
3	0.039714517
4	0.061078938
5	0.077189043

Peak	Intercept (b)
1	-15.21846314
2	-19.41966486
3	8.246950002
4	1.165477844
5	4.84904761

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	1090.115601	5.1100502
		2	1693.513428	5.3373599
		3	1762.672485	5.5627599
		4	2219.361572	6.07901
		5	564.6918945	6.7466302
	100	1	2028.334229	5.1089802
		2	3216.1521	5.33599
		3	3360.407715	5.5618
		4	4285.956543	6.0783401
		5	1109.863525	6.74509
	200	1	4633.165039	5.1089501
		2	7301.729492	5.33606
		3	7683.144531	5.5619102
		4	10039.87402	6.0783701
		5	2536.742188	6.7459998
	500	1	12690.63965	5.1089702
		2	20060.8457	5.3362699
		3	21289.37891	5.56216
		4	27860.55859	6.0781002
		5	7103.523438	6.74508
	1000	1	24334.97461	5.1079702
		2	38473.16016	5.3350201
		3	41053.27344	5.56106
		4	54541.90625	6.0773802
		5	13755.09082	6.7446499
	2000	1	51018.65625	5.1076198
		2	80949.1875	5.3348999
		3	86955.5	5.56072
		4	116463.375	6.0775199
		5	29673.20117	6.7441101

Peak	RT Window From	RT Window To
1	5.0788	5.1388
2	5.3059	5.3659
3	5.5317	5.5917
4	6.0481	6.1081
5	6.7153	6.7753

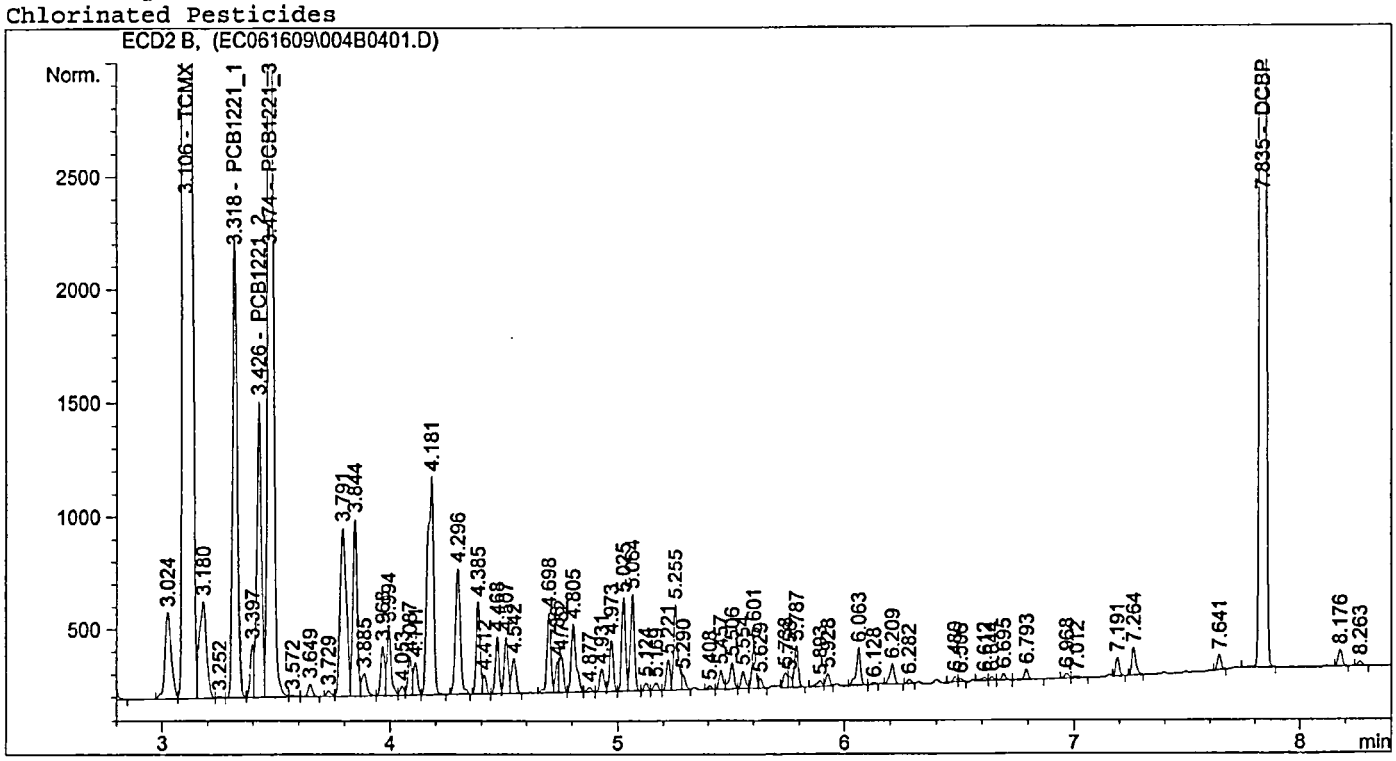
Peak	Correlation Coefficient (r)
1	0.99970242
2	0.999673663
3	0.999615082
4	0.999542832
5	0.999391482

Peak	Slope (y)
1	0.039160323
2	0.024678433
3	0.022953865
4	0.017110559
5	0.067218053

Peak	Intercept (b)
1	14.76702614
2	16.06921781
3	19.84633707
4	25.69948897
5	26.71242249

Data File C:\HPCHEM\1\DATA\EC061609\004B0401.D

```
==================================================================
Injection Date  : 6/16/2009 3:19:26 PM          Seq. Line :   4
Sample Name     : A1221 x2000 ICAL               Location : Vial 4
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 9:25:07 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.01823e4	6.73864e-3	203.38781		TCMX
3.318	VV	2881.79761	7.02560e-1	2024.63492		PCB1221_1
3.426	VV	1829.25073	1.10317	2017.96934		PCB1221_2
3.474	VV	6903.97217	2.93321e-1	2025.07684		PCB1221_3
6.890		-	-	-		DBC
7.835	BP	3.04287e4	6.70653e-3	204.07139		DCBP

Totals : 6475.14029

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

ECD2 6/17/2009 9:25:30 AM BWS

```
==================================================================
Injection Date  : 6/16/2009 3:32:12 PM          Seq. Line :   5
Sample Name     : A1221 x1000 ICAL               Location : Vial 5
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
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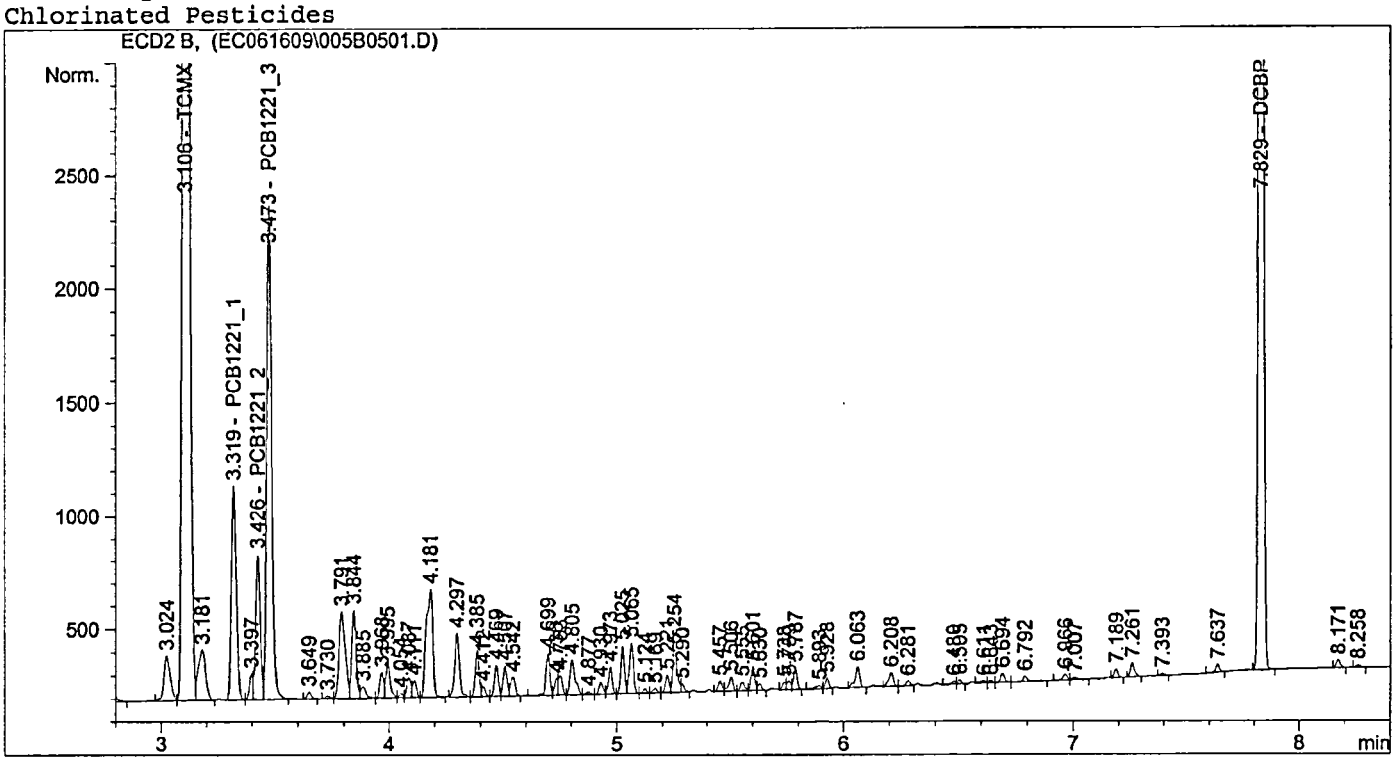


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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.37204e4	6.90532e-3	94.74401		TCMX
3.319	BV	1352.28247	7.08331e-1	957.86312		PCB1221_1
3.426	VV	878.36761	1.10231	968.23687		PCB1221_2
3.473	VB	3245.02881	2.95662e-1	959.43257		PCB1221_3
6.890		-	-	-		DBC
7.829	BB	1.36037e4	6.86986e-3	93.45533		DCBP

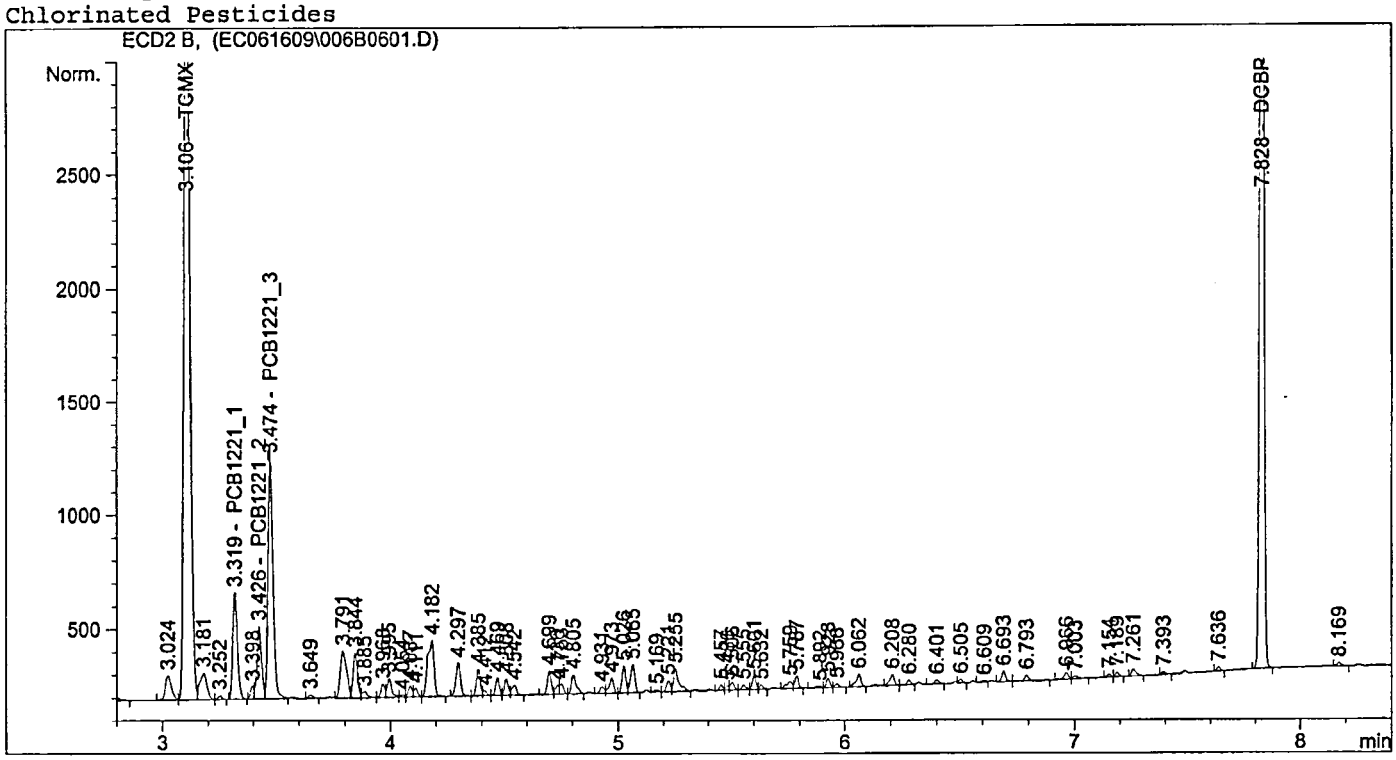
Totals : 3073.73190

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================
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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 8:56:45 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6381.74414	7.25673e-3	46.31061		TCMX
3.319	BB	666.22327	7.19528e-1	479.36598		PCB1221_1
3.426	VV	442.76440	1.10070	487.35039		PCB1221_2
3.474	VV	1580.27002	3.00317e-1	474.58204		PCB1221_3
6.890		-	-	-		DBC
7.828	BB	6373.09912	7.20499e-3	45.91812		DCBP
Totals :				1533.52714		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

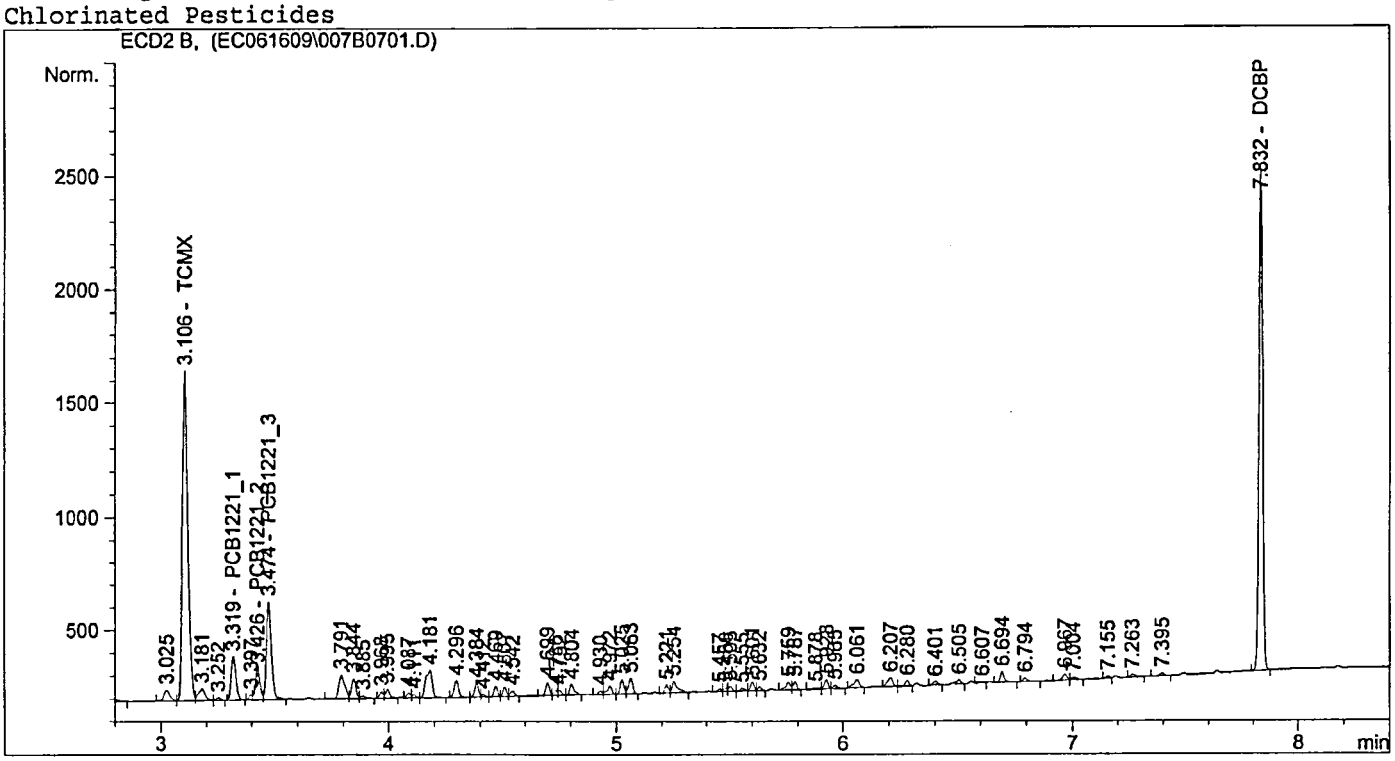
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

Data File C:\HPCHEM\1\DATA\EC061609\007B0701.D Sample Name: A1221 x200 ICAL

==========

Injection Date : 6/16/2009 3:57:58 PM Seq. Line : 7
Sample Name : A1221 x200 ICAL Location : Vial 7
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 8:56:45 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2397.96655	8.34823e-3	20.01878		TCMX
3.319	BB	275.84152	7.50762e-1	207.09131		PCB1221_1
3.426	VV	187.95406	1.09628	206.05115		PCB1221_2
3.474	VB	654.39117	3.13155e-1	204.92564		PCB1221_3
6.890		-	-	-		DBC
7.832	BB	2483.32471	8.19260e-3	20.34488		DCBP

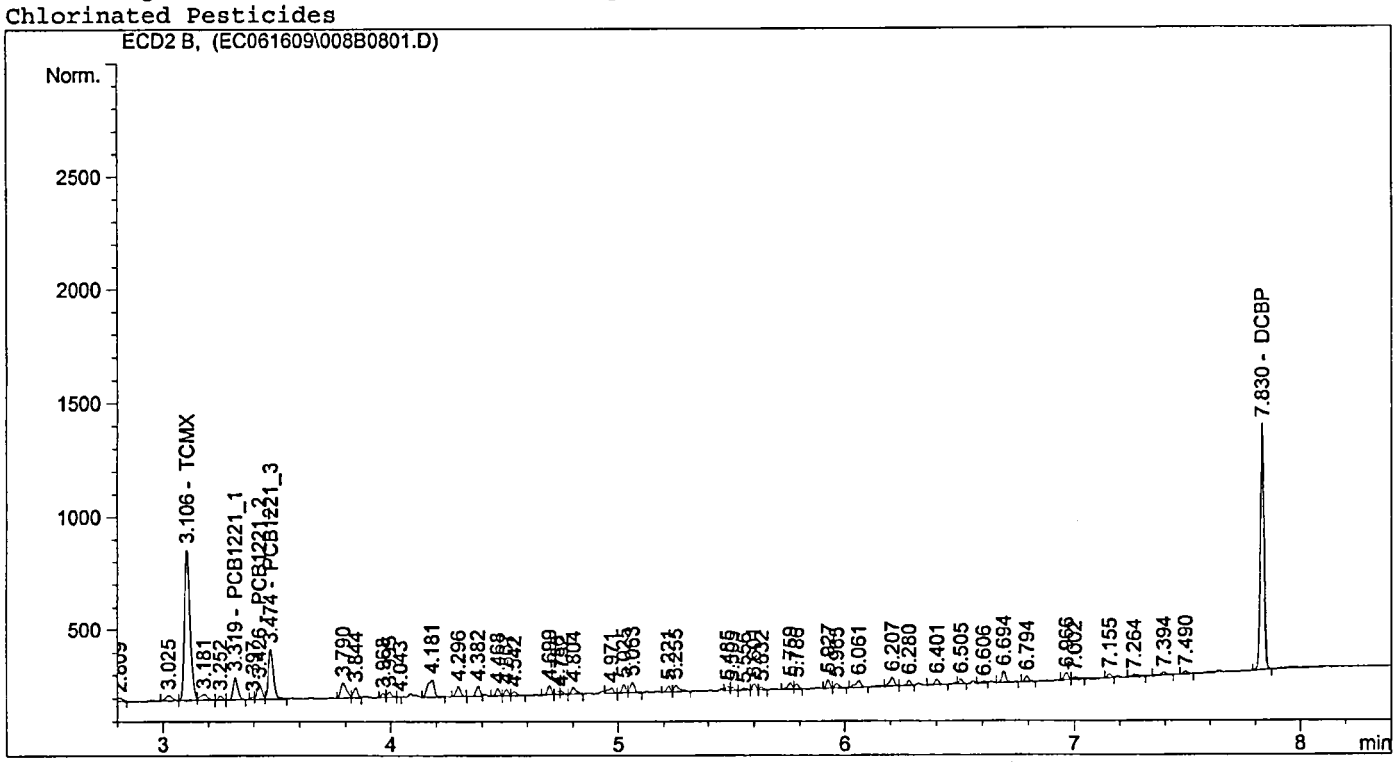
BWS
6.17.09

Totals : 658.43176

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 4:10:48 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1131.83484	1.03042e-2	11.66266		TCMX
3.319	VB	134.81822	8.06520e-1	108.73355		PCB1221_1
3.426	VV	93.75131	1.08858	102.05553		PCB1221_2
3.474	VB	334.08362	3.34162e-1	111.63808		PCB1221_3
6.890		-	-	-		DBC
7.830	BB	1227.84082	9.84715e-3	12.09073		DCBP
Totals :				346.18055		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

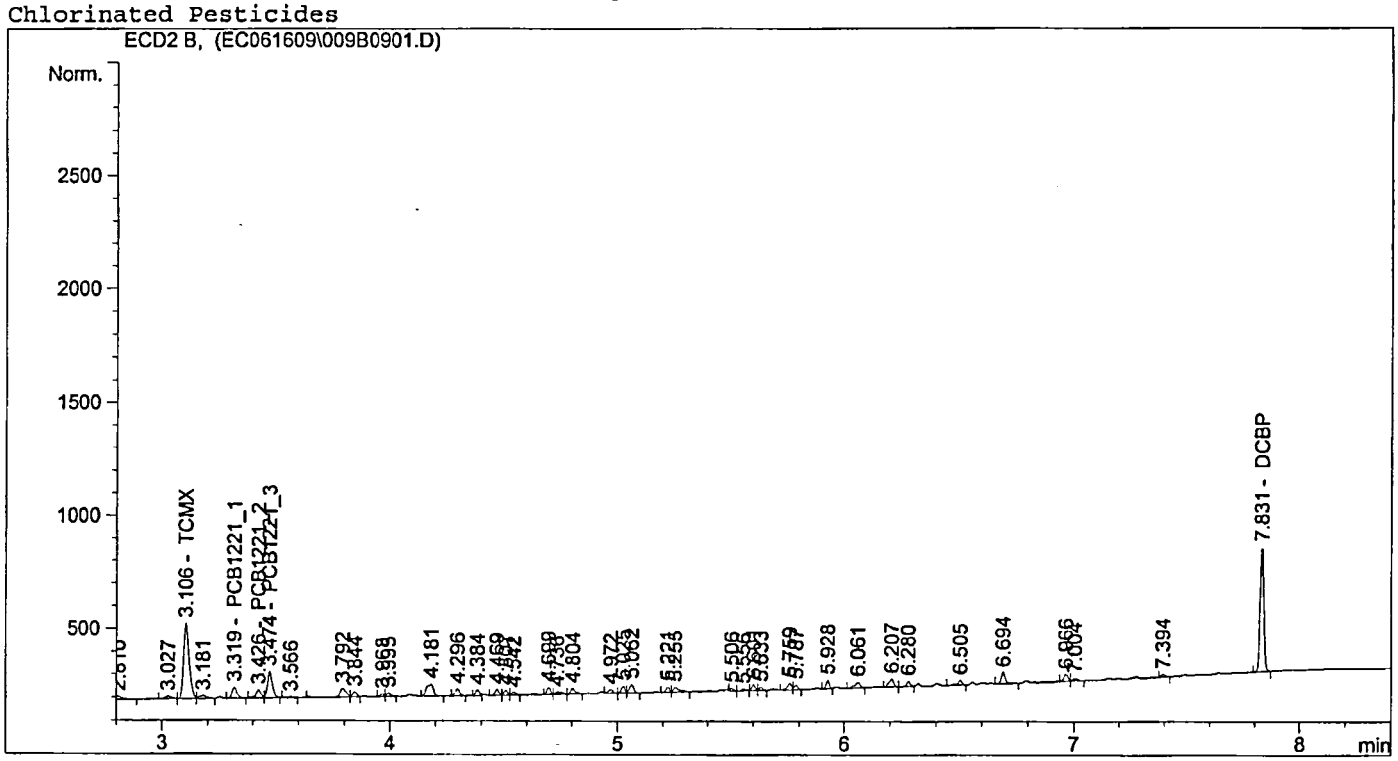
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

Data File C:\HPCHEM\1\DATA\EC061609\009B0901.D Sample Name: A1221 x40 ICAL

==========

Injection Date : 6/16/2009 4:23:47 PM Seq. Line : 9
Sample Name : A1221 x40 ICAL Location : Vial 9
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 8:56:45 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	558.09558	1.41125e-2	7.87614		TCMX
3.319	VB	68.25873	9.12867e-1	62.31113		PCB1221_1
3.426	BV	54.14932	1.07733	58.33671		PCB1221_2
3.474	VB	171.69986	3.74752e-1	64.34483		PCB1221_3
6.890		-	-	-		DBC
7.831	BB	623.81079	1.30160e-2	8.11955		DCBP

Totals : 200.98835

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

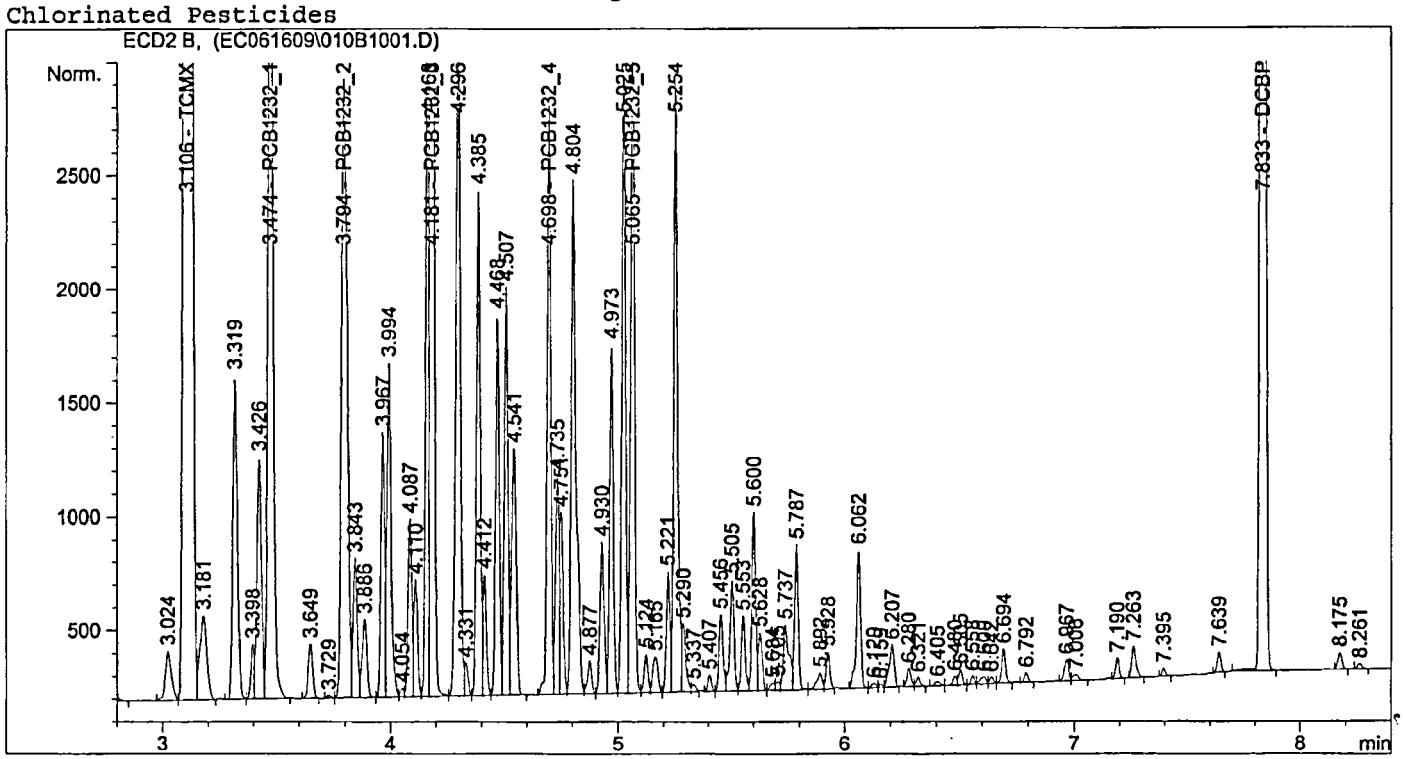
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 4:36:37 PM Seq. Line : 10
Sample Name : A1232 x2000 ICAL Location : Vial 10
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed : 6/17/2009 10:21:24 AM by BWS
(modified after loading)

Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:21:22 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.07829e4	6.60592e-3	203.34925		TCMX
3.474	VB	5829.13086	3.47485e-1	2025.53436		PCB1232_1
3.794	VV	4788.60791	4.23154e-1	2026.31672		PCB1232_2
4.181	VV	7059.39648	2.64861e-1	1869.75795		PCB1232_3
4.698	PV	2918.44727	6.95111e-1	2028.64335		PCB1232_4
5.065	VV	3467.22461	5.85284e-1	2029.31203		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	3.08501e4	6.61224e-3	203.98829		DCBP

Totals : 1.03869e4

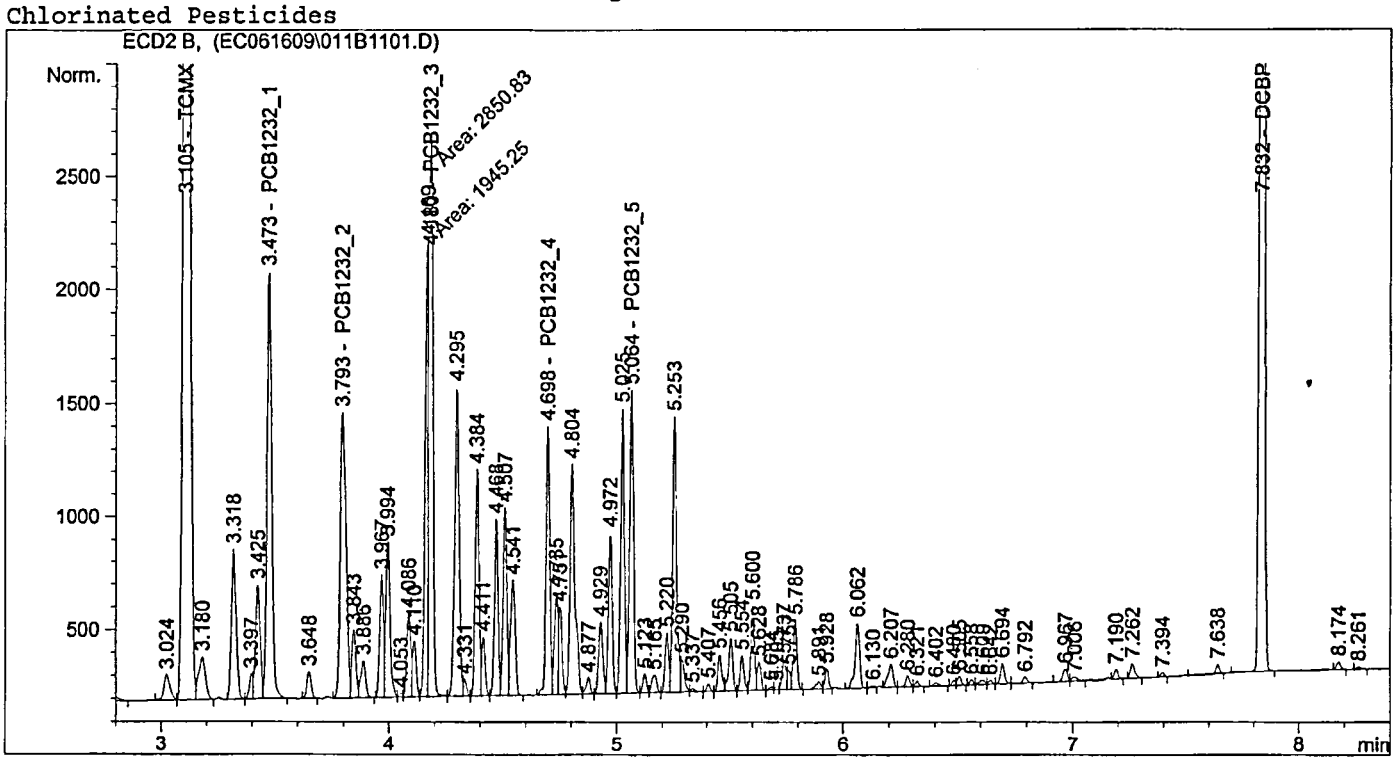
BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Data File C:\HPCHEM\1\DATA\EC061609\011B1101.D

```
==================================================================
Injection Date  : 6/16/2009 4:49:25 PM          Seq. Line :  11
Sample Name     : A1232 x1000 ICAL               Location : Vial 11
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:22:06 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                        External Standard Report
==================================================================
```

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:22:04 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	1.38047e4	6.81644e-3	94.09862		TCMX
3.473	VB	2691.67798	3.52963e-1	950.06210		PCB1232_1
3.793	VV	2218.20874	4.27105e-1	947.40858		PCB1232_2
4.180	FM	2850.83032	2.82281e-1	804.73630		PCB1232_3
4.698	PV	1341.82825	7.04198e-1	944.91323		PCB1232_4
5.064	VV	1594.22424	5.92052e-1	943.86407		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	1.36127e4	6.81968e-3	92.83438		DCBP

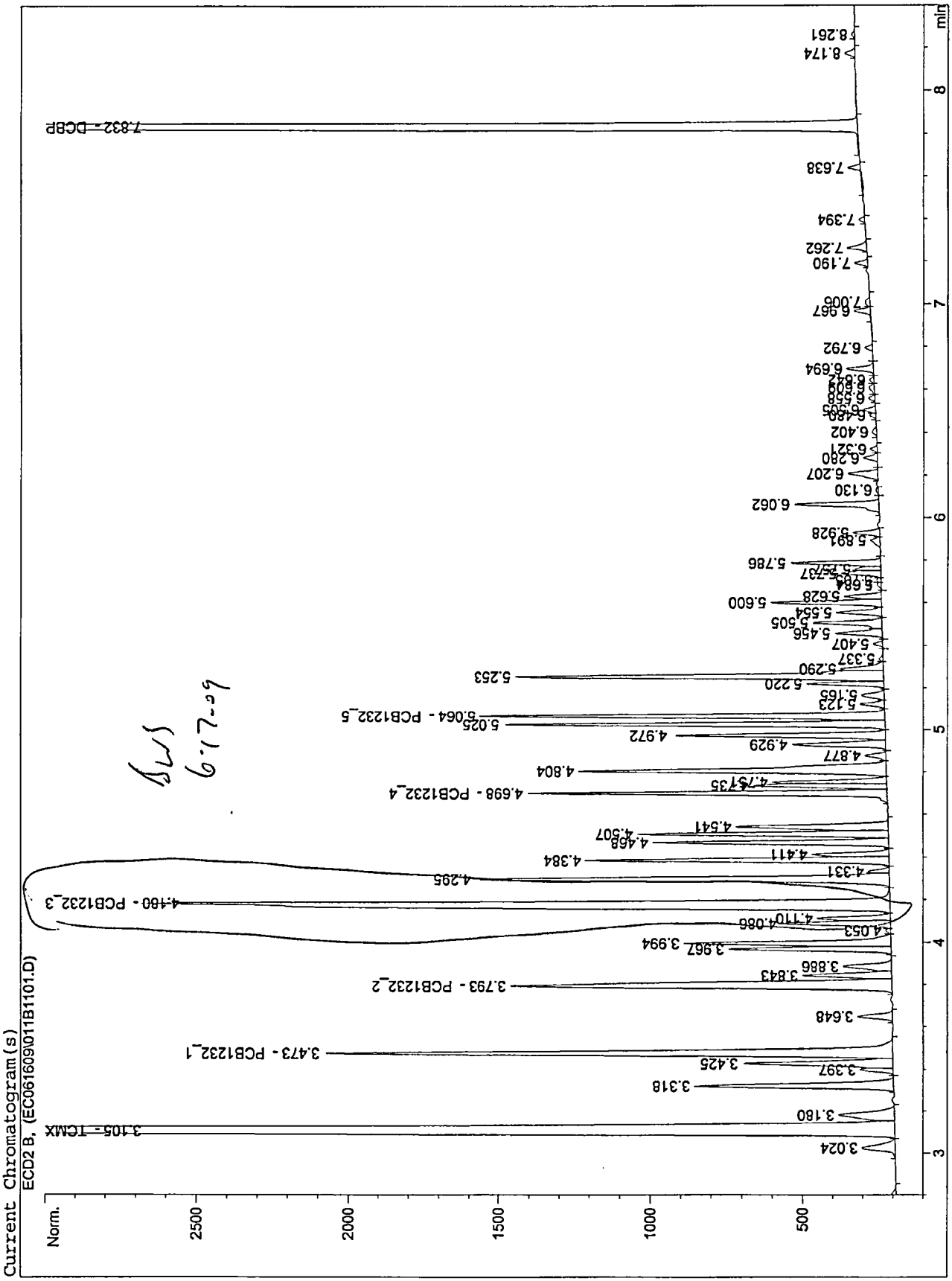
BWS
6-17-09

Totals : 4777.91728

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:22:06 AM BWS

Print of window 38: Current Chromatogram(s)



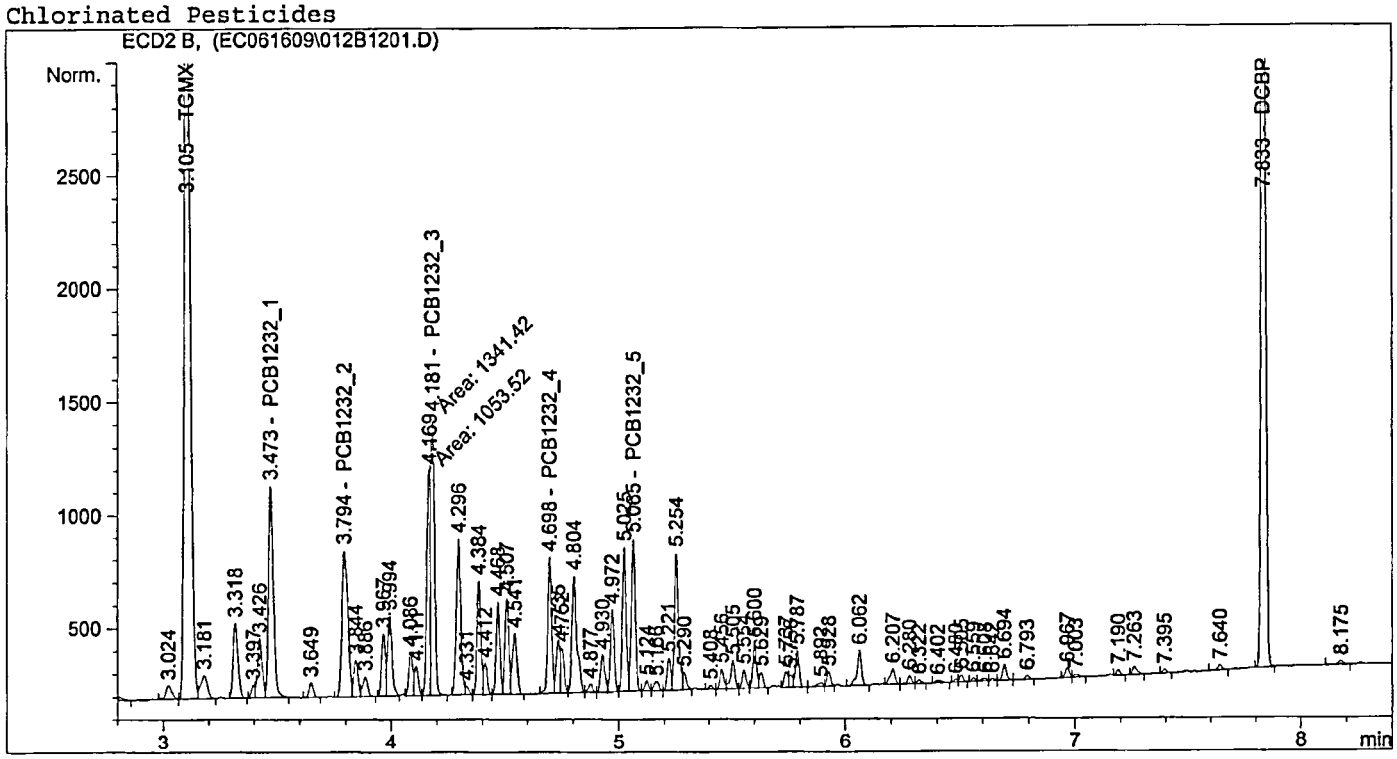
ECD2 6/17/2009 10:21:43 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\012B1201.D

Injection Date	: 6/16/2009 5:02:18 PM	Seq. Line	: 12
Sample Name	: A1232 x500 ICAL	Location	: Vial 12
Acq. Operator	: BWS	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed : 6/17/2009 10:22:55 AM by BWS
(modified after loading)

Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:22:52 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	6693.57910	7.22193e-3	48.34053		TCMX
3.473	VB	1370.64856	3.62772e-1	497.23283		PCB1232_1
3.794	VV	1150.08057	4.33942e-1	499.06881		PCB1232_2
4.181	FM	1341.41992	3.06857e-1	411.62403		PCB1232_3
4.698	BV	687.42407	7.20213e-1	495.09149		PCB1232_4
5.065	VV	817.45380	6.03957e-1	493.70725		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	6673.33350	7.20574e-3	48.08628		DCBP

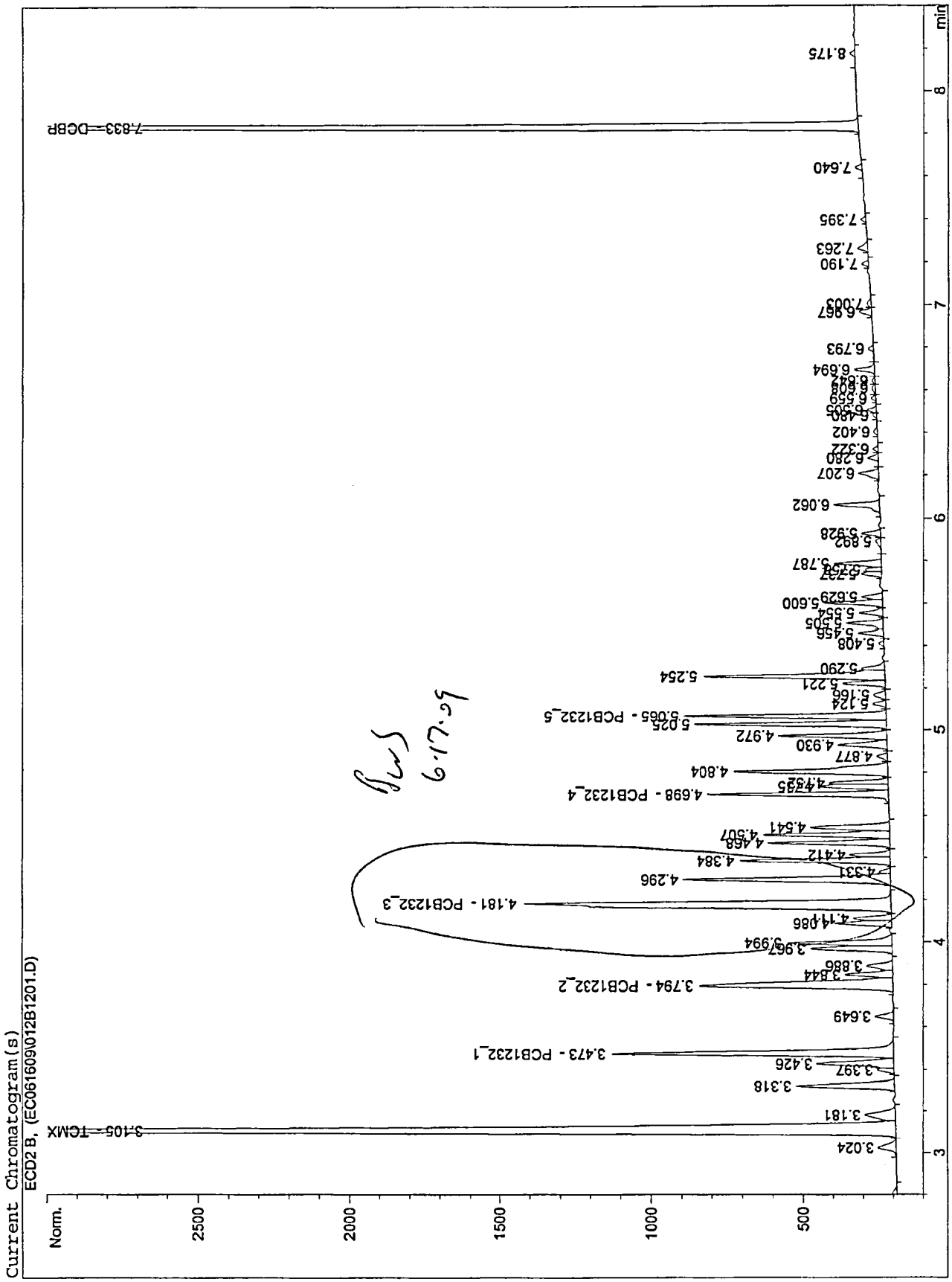
BWS
6.17.09

Totals : 2493.15122

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:22:55 AM BWS

Print of window 38: Current Chromatogram(s)

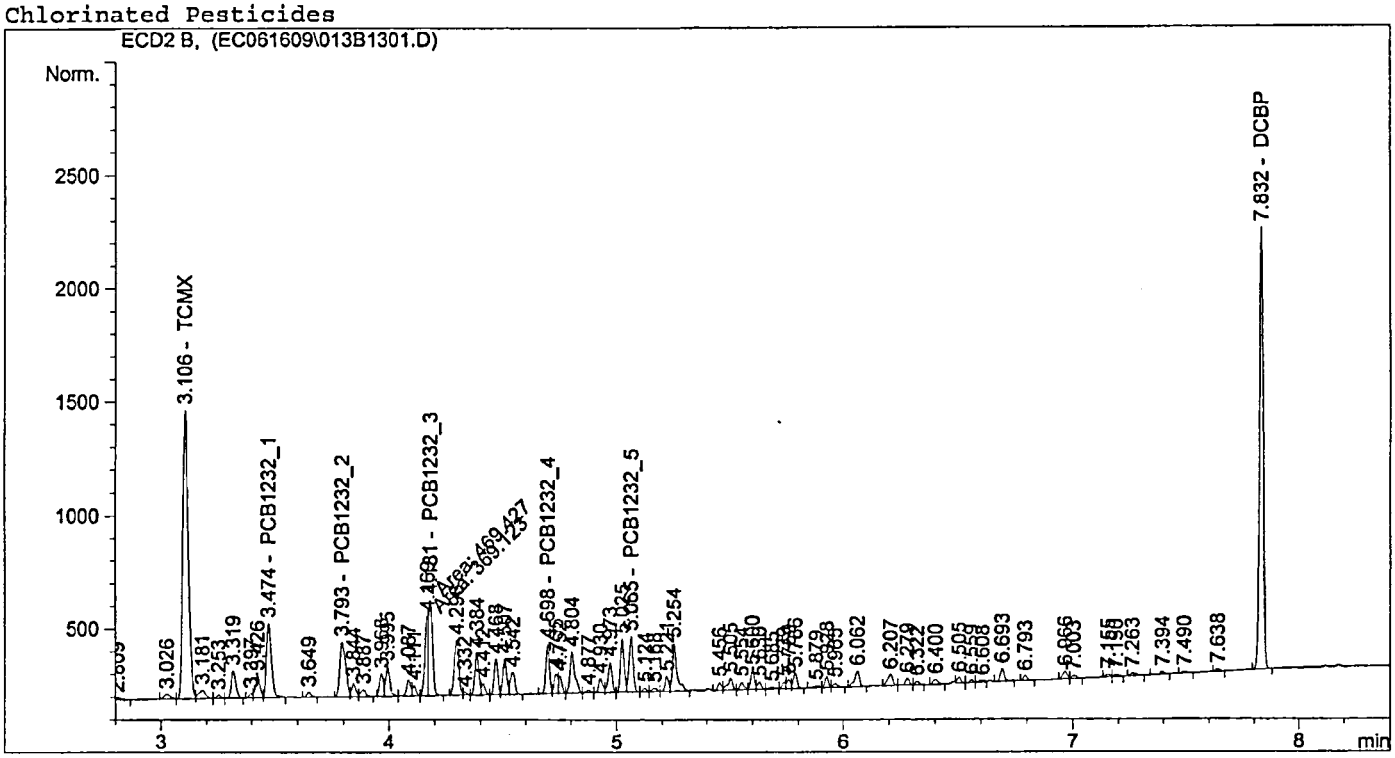


ECD2 6/17/2009 10:22:28 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\013B1301.D

```
==================================================================
Injection Date  : 6/16/2009 5:15:06 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:23:32 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:23:30 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2110.25537	8.93160e-3	18.84795		TCMX
3.474	VB	486.65030	3.99078e-1	194.21135		PCB1232_1
3.793	BV	427.34033	4.57957e-1	195.70335		PCB1232_2
4.181	FM	469.42694	3.87568e-1	181.93497		PCB1232_3
4.698	PV	247.69260	7.78508e-1	192.83062		PCB1232_4
5.065	VB	301.99167	6.45663e-1	194.98477		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	2197.49219	8.74824e-3	19.22420		DCBP

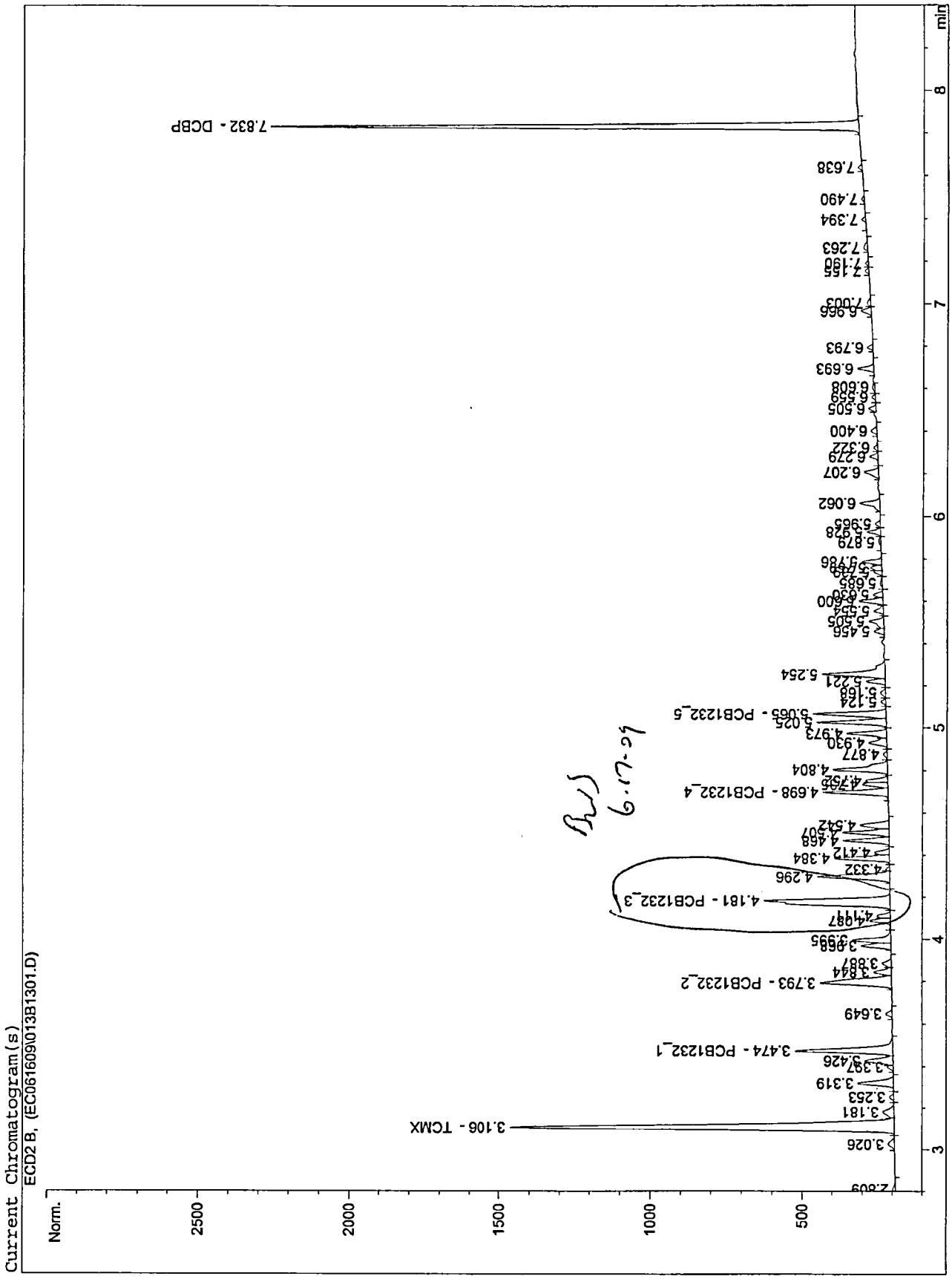
Totals : 997.73721

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:23:32 AM BWS

Print of window 38: Current Chromatogram(s)



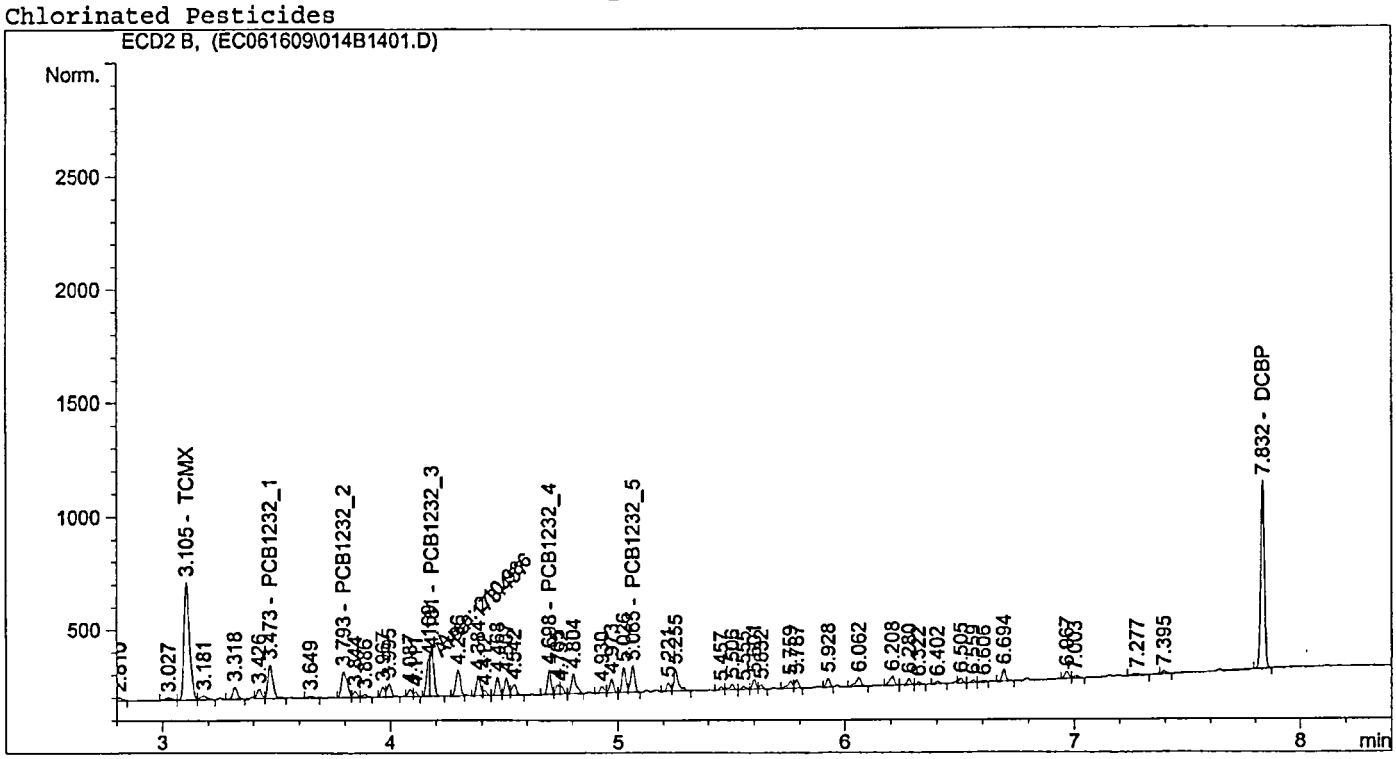
ECD2 6/17/2009 10:23:10 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\014B1401.D

Injection Date	: 6/16/2009 5:28:05 PM	Seq. Line :	14
Sample Name	: A1232 x100 ICAL	Location :	Vial 14
Acq. Operator	: BWS	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed : 6/17/2009 10:24:15 AM by BWS
(modified after loading)

Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:24:13 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	860.78107	1.25559e-2	10.80789		TCMX
3.473	VB	216.28876	4.69444e-1	101.53543		PCB1232_1
3.793	BV	200.24164	5.01295e-1	100.38017		PCB1232_2
4.181	FM	210.98586	5.72392e-1	120.76666		PCB1232_3
4.698	BV	116.21473	8.81608e-1	102.45588		PCB1232_4
5.065	VV	142.00189	7.20180e-1	102.26692		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	938.60114	1.18329e-2	11.10635		DCBP

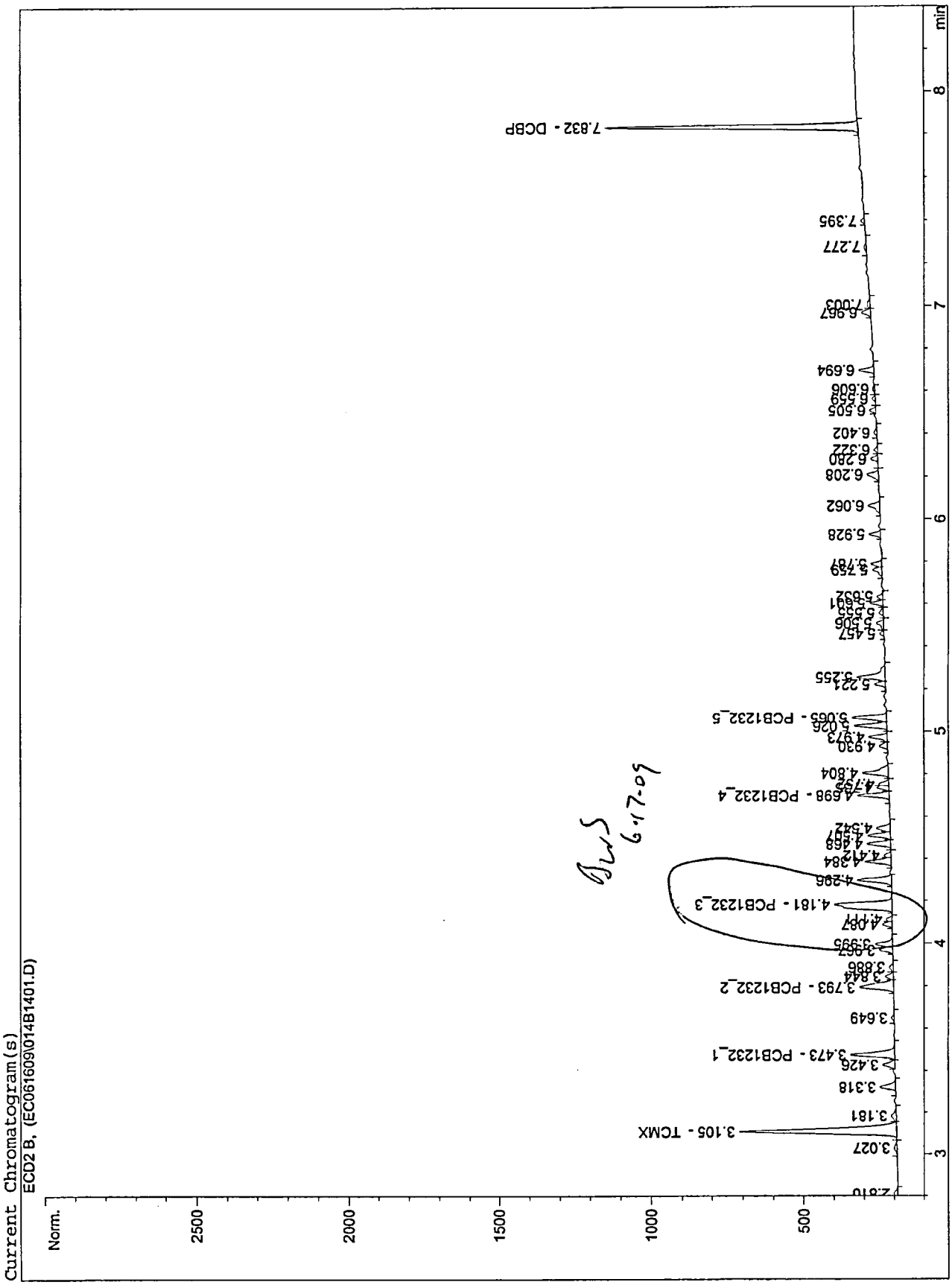
Totals : 549.31928

BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:24:15 AM BWS

Print of window 38: Current Chromatogram(s)



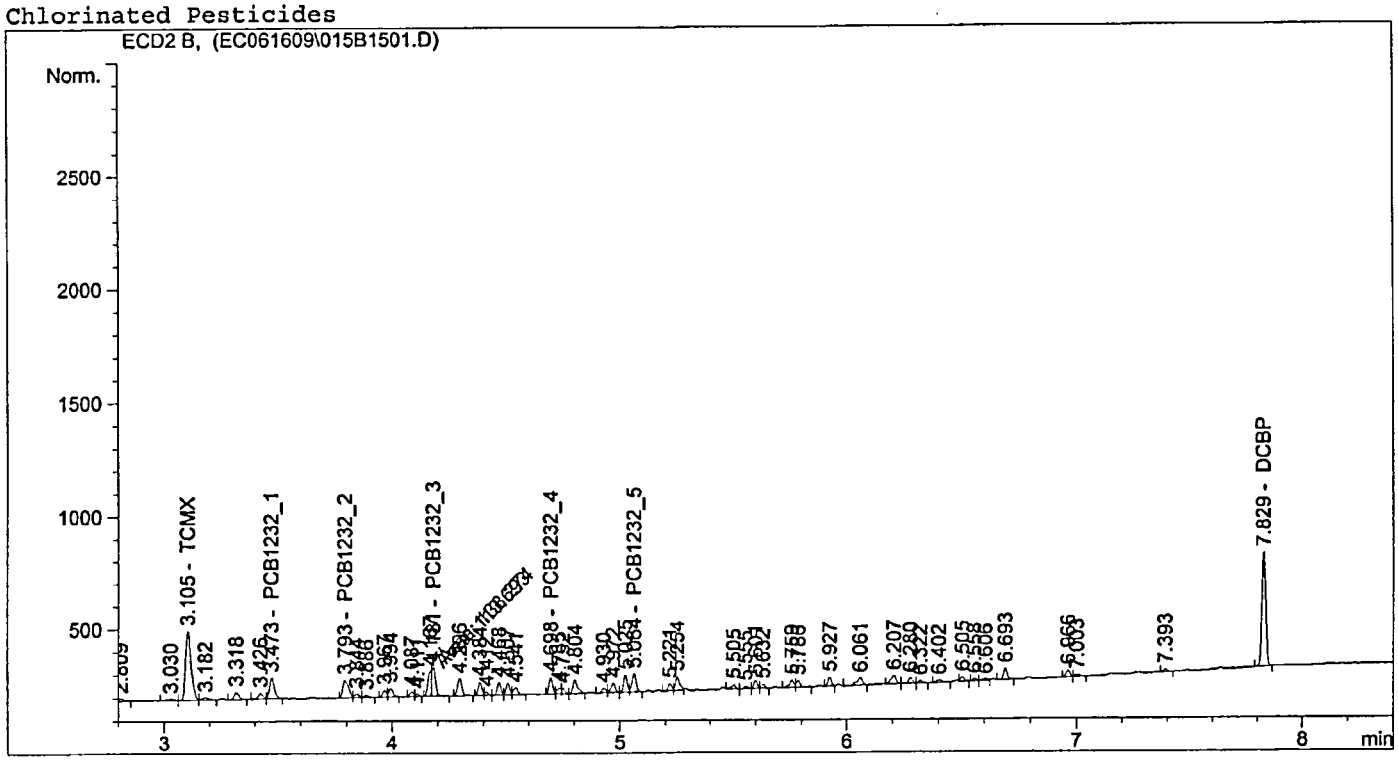
ECD2 6/17/2009 10:23:55 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\015B1501.D

Injection Date	: 6/16/2009 5:40:58 PM	Seq. Line :	15
Sample Name	: A1232 x40 ICAL	Location :	Vial 15
Acq. Operator	: BWS	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed : 6/17/2009 10:25:01 AM by BWS
(modified after loading)

Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:24:59 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	510.78622	1.67502e-2	8.55576		TCMX
3.473	VB	128.44514	5.56066e-1	71.42394		PCB1232_1
3.793	BV	130.53764	5.44842e-1	71.12238		PCB1232_2
4.181	FM	138.27422	7.88967e-1	109.09385		PCB1232_3
4.698	BV	77.82170	9.77432e-1	76.06543		PCB1232_4
5.064	VV	96.44386	7.86623e-1	75.86496		PCB1232_5
6.889		-	-	-		DBC
7.829	BB	574.81494	1.52406e-2	8.76050		DCBP

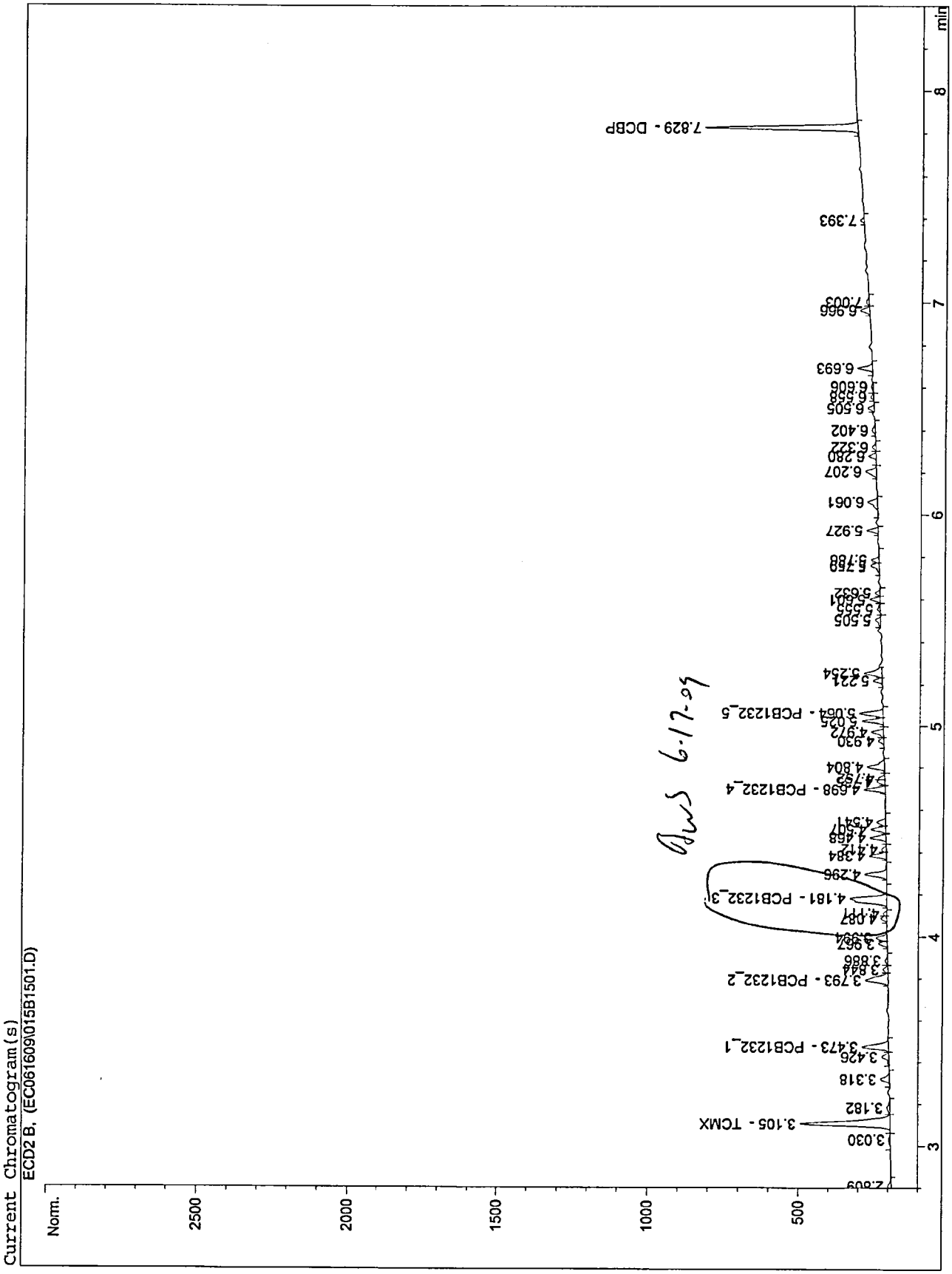
BWS
6-17-09

Totals : 420.88682

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:25:01 AM BWS

Print of window 38: Current Chromatogram(s)



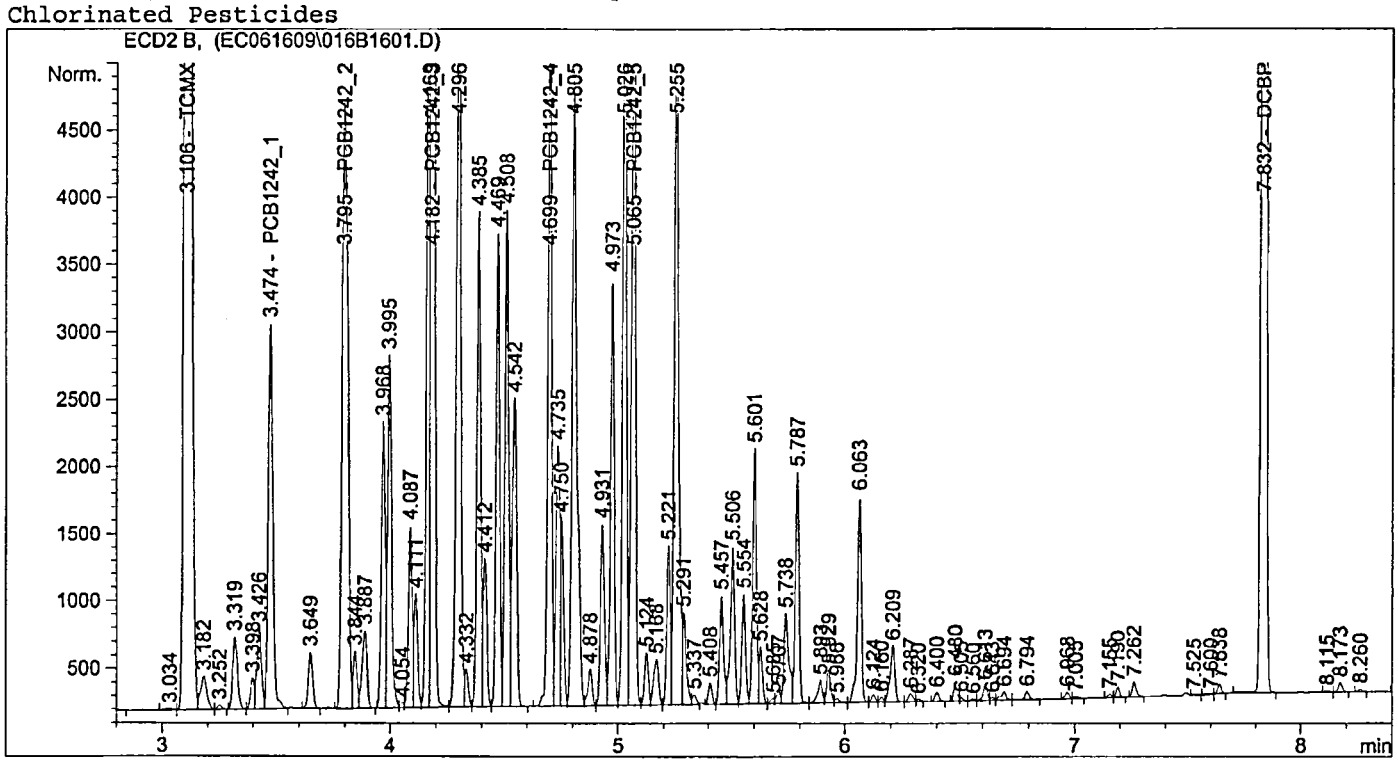
ECD2 6/17/2009 10:24:40 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\016B1601.D Sample Name: A1242 x2000 ICAL

==========

Injection Date : 6/16/2009 5:53:50 PM Seq. Line : 16
Sample Name : A1242 x2000 ICAL Location : Vial 16
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2.92767e4	6.85742e-3	200.76221		TCMX
3.474	VV	3962.70728	5.03467e-1	1995.09090		PCB1242_1
3.795	VV	7946.29199	2.51169e-1	1995.86526		PCB1242_2
4.182	VV	1.24689e4	1.59461e-1	1988.29808		PCB1242_3
4.699	VV	5915.20605	3.38749e-1	2003.76734		PCB1242_4
5.065	VV	7151.57080	2.80370e-1	2005.08372		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2.90941e4	6.91610e-3	201.21788		DCBP

Totals : 1.03901e4

BWS
6.17.09

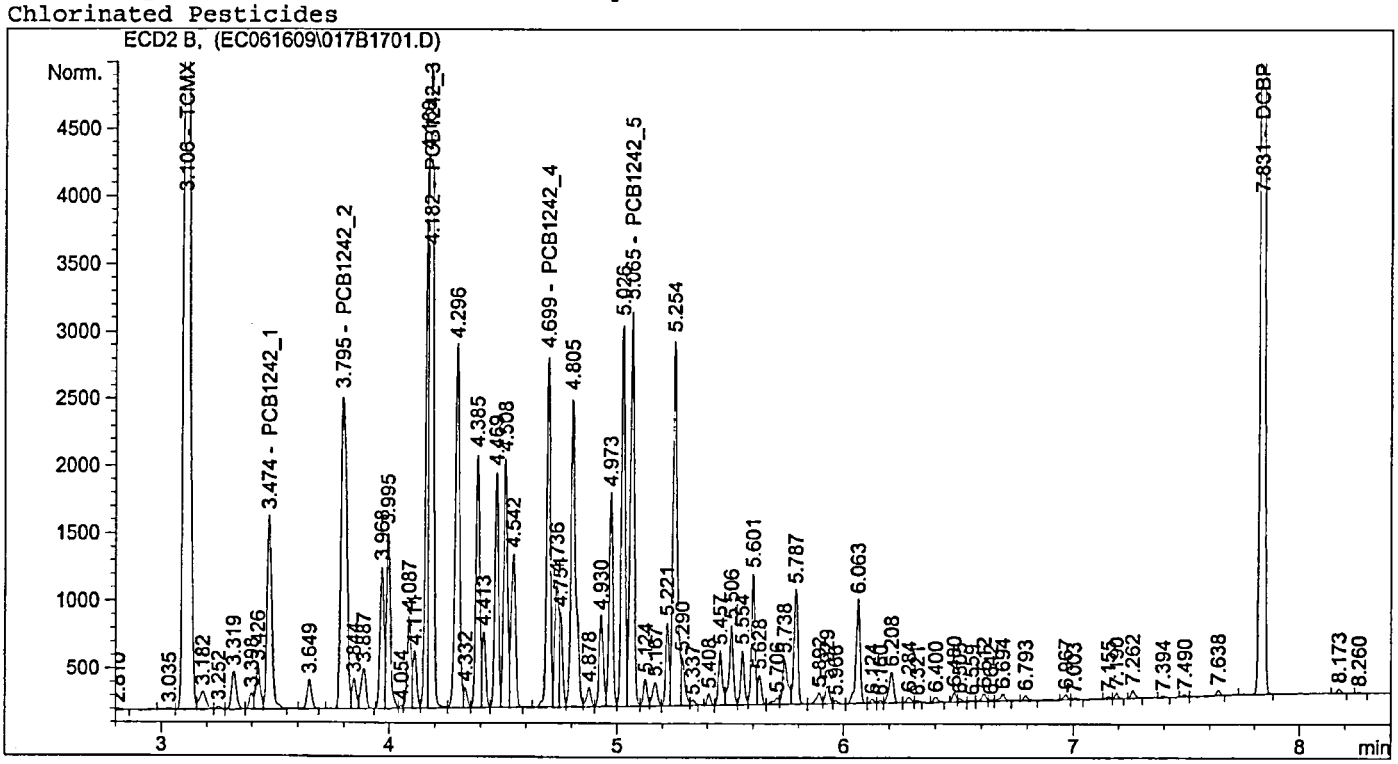
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 6:06:49 PM Seq. Line : 17
Sample Name : A1242 x1000 ICAL Location : Vial 17
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.43929e4	6.97046e-3	100.32491		TCMX
3.474	VV	2033.83032	5.02091e-1	1021.16886		PCB1242_1
3.795	BV	4071.44067	2.50321e-1	1019.16534		PCB1242_2
4.182	VV	6488.69141	1.60779e-1	1043.24213		PCB1242_3
4.699	VV	2958.26978	3.40681e-1	1007.82652		PCB1242_4
5.065	VV	3563.59204	2.82173e-1	1005.54971		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	1.41855e4	7.01620e-3	99.52838		DCBP

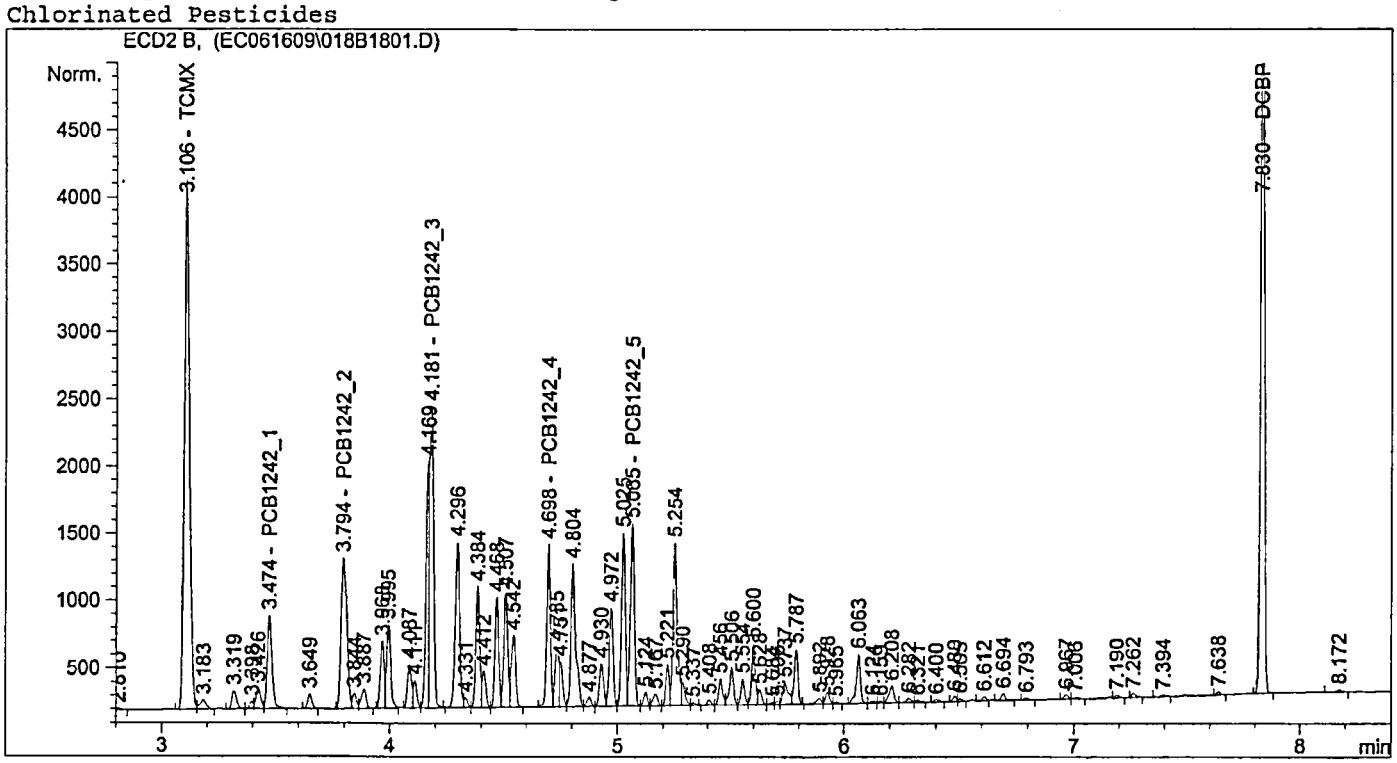
Totals : 5296.80584

BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:19:35 PM          Seq. Line :  18
Sample Name     : A1242 x500 ICAL                Location : Vial 18
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6394.96143	7.24856e-3	46.35427		TCMX
3.474	VB	960.01599	4.98931e-1	478.98215		PCB1242_1
3.794	BV	1938.76562	2.48406e-1	481.60057		PCB1242_2
4.181	VB	2829.96143	1.64330e-1	465.04890		PCB1242_3
4.698	BV	1360.82581	3.45219e-1	469.78325		PCB1242_4
5.065	VV	1634.49902	2.86415e-1	468.14573		PCB1242_5
6.888		-	-	-		DBC
7.830	BB	6329.30811	7.25866e-3	45.94230		DCBP

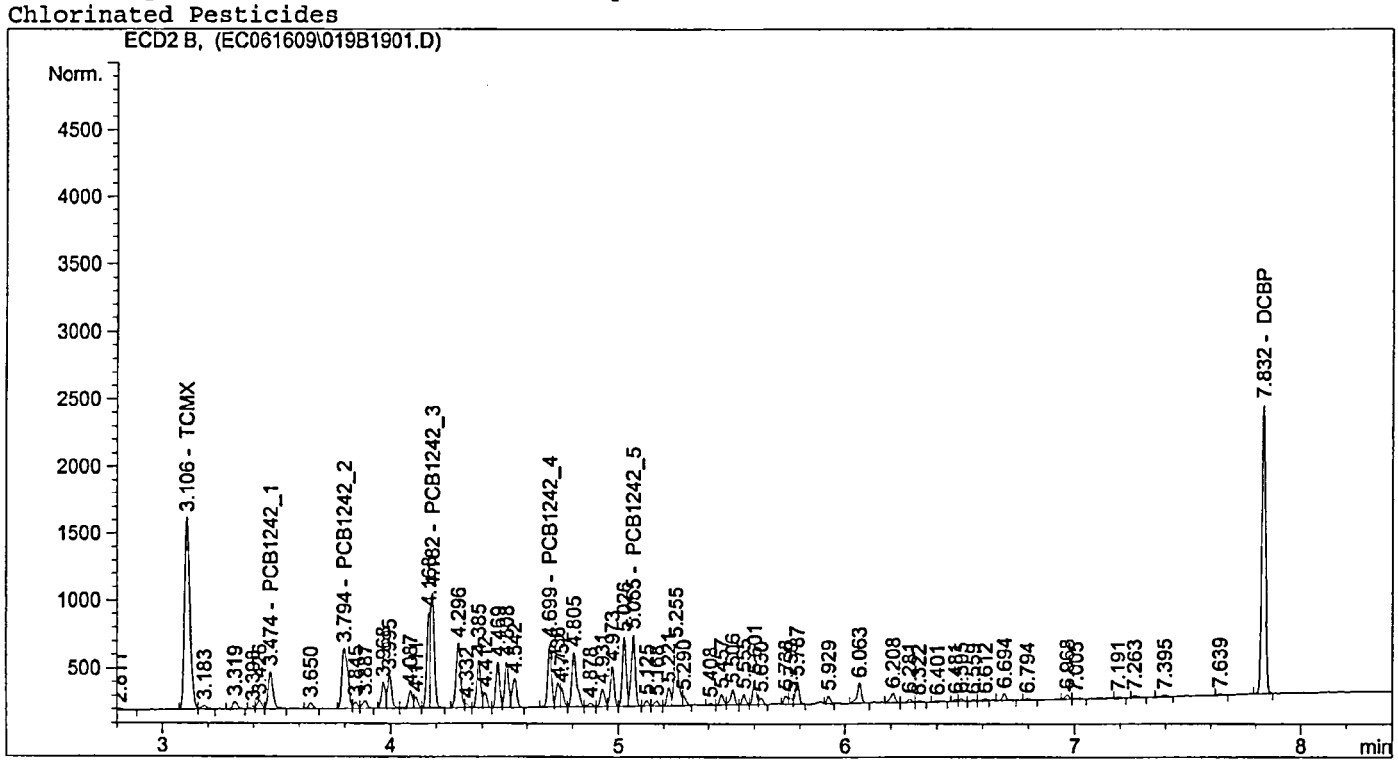
BWS
6.17.09

Totals : 2455.85717

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:32:31 PM          Seq. Line :  19
Sample Name     : A1242 x200 ICAL                Location : Vial 19
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	2328.82739	8.12237e-3	18.91559		TCMX
3.474	VB	395.39301	4.90385e-1	193.89462		PCB1242_1
3.794	BV	780.13617	2.42977e-1	189.55496		PCB1242_2
4.182	VB	1045.23547	1.75087e-1	183.00664		PCB1242_3
4.699	BV	536.12469	3.58147e-1	192.01145		PCB1242_4
5.065	VV	648.73181	2.98324e-1	193.53211		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2407.47168	7.97184e-3	19.19199		DCBP

BWS
6.17.09

Totals : 990.10736

Results obtained with enhanced integrator!
1 Warnings or Errors :

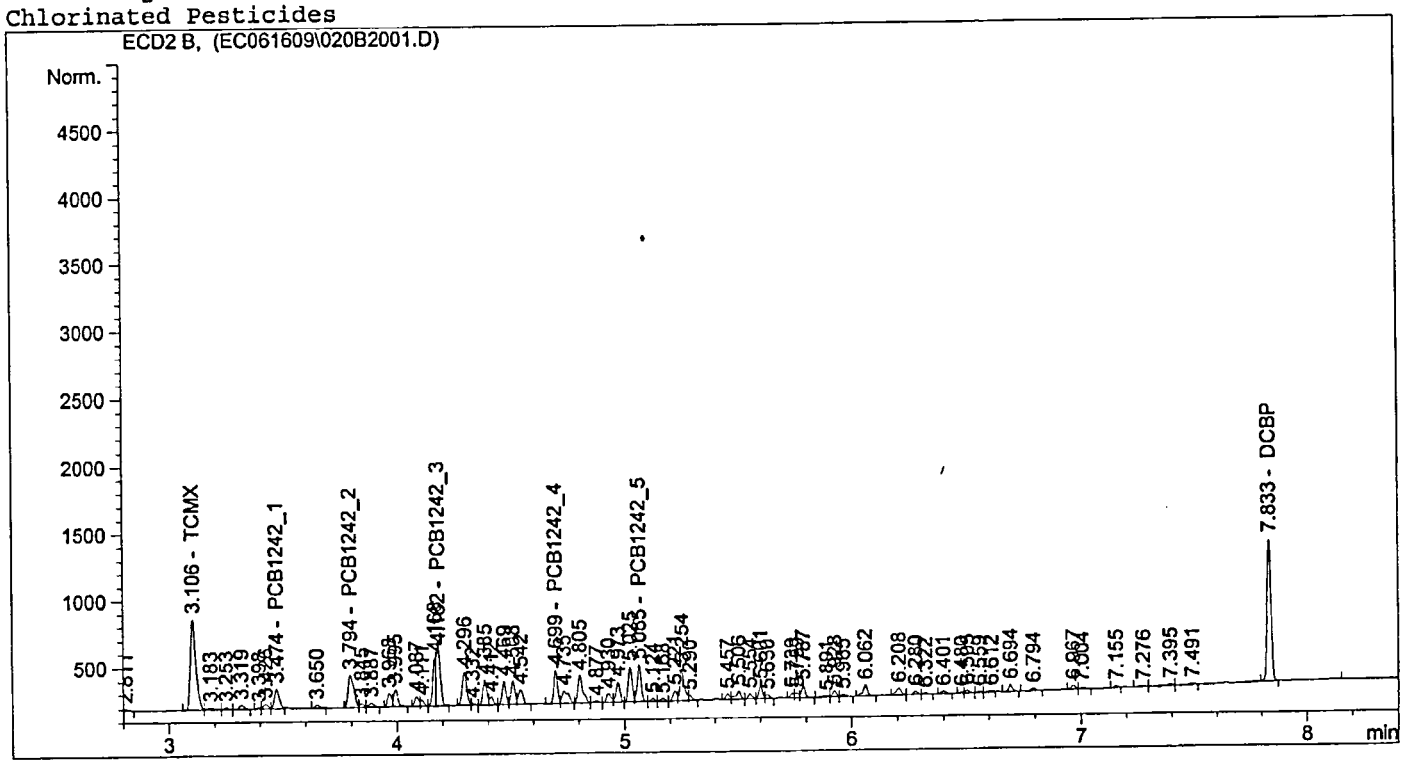
Warning : Calibrated compound(s) not found

Data File C:\HPCHEM\1\DATA\EC061609\020B2001.D Sample Name: A1242 x100 ICAL

==========

Injection Date : 6/16/2009 6:45:23 PM Seq. Line : 20
Sample Name : A1242 x100 ICAL Location : Vial 20
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1118.03540	9.61065e-3	10.74505		TCMX
3.474	VV	207.61044	4.77240e-1	99.08008		PCB1242_1
3.794	BV	414.28751	2.34954e-1	97.33869		PCB1242_2
4.182	VB	543.15674	1.90852e-1	103.66257		PCB1242_3
4.699	VV	276.82047	3.78129e-1	104.67387		PCB1242_4
5.065	VV	336.67703	3.16625e-1	106.60033		PCB1242_5
6.888		-	-	-		DBC
7.833	BB	1210.19702	9.11054e-3	11.02554		DCBP

Totals : 533.12613

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

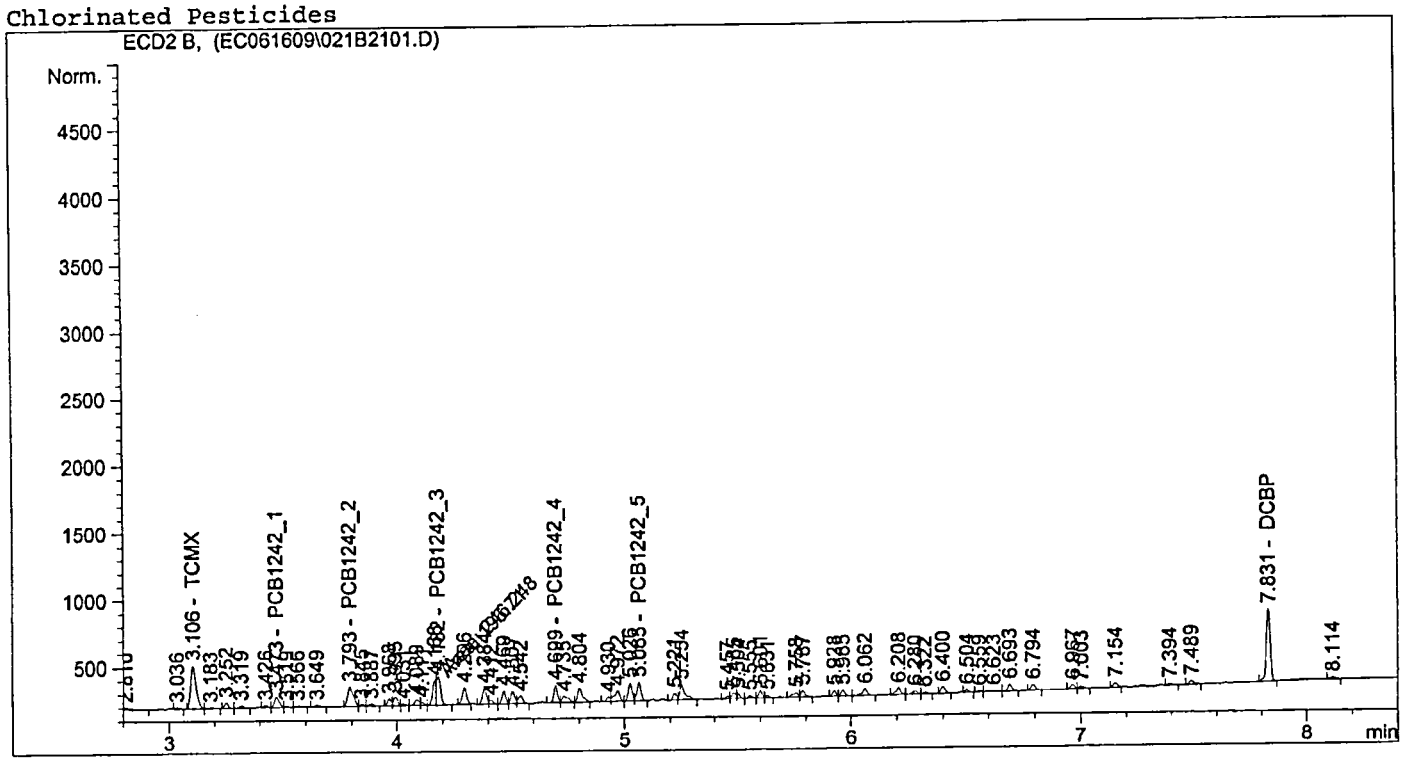
Warning : Calibrated compound(s) not found

Data File C:\HPCHEM\1\DATA\EC061609\021B2101.D Sample Name: A1242 x40 ICAL

Injection Date	: 6/16/2009 6:58:15 PM	Seq. Line	: 21
Sample Name	: A1242 x40 ICAL	Location	: Vial 21
Acq. Operator	: BWS	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
(modified after loading)

Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	547.93732	1.25890e-2	6.89797		TCMX
3.473	VV	113.93815	4.54487e-1	51.78338		PCB1242_1
3.793	BV	252.17020	2.23957e-1	56.47519		PCB1242_2
4.182	FM	246.24762	2.30425e-1	56.74168		PCB1242_3
4.699	VV	149.93695	4.13091e-1	61.93758		PCB1242_4
5.065	VB	173.30504	3.52491e-1	61.08840		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	633.78406	1.11929e-2	7.09391		DCBP

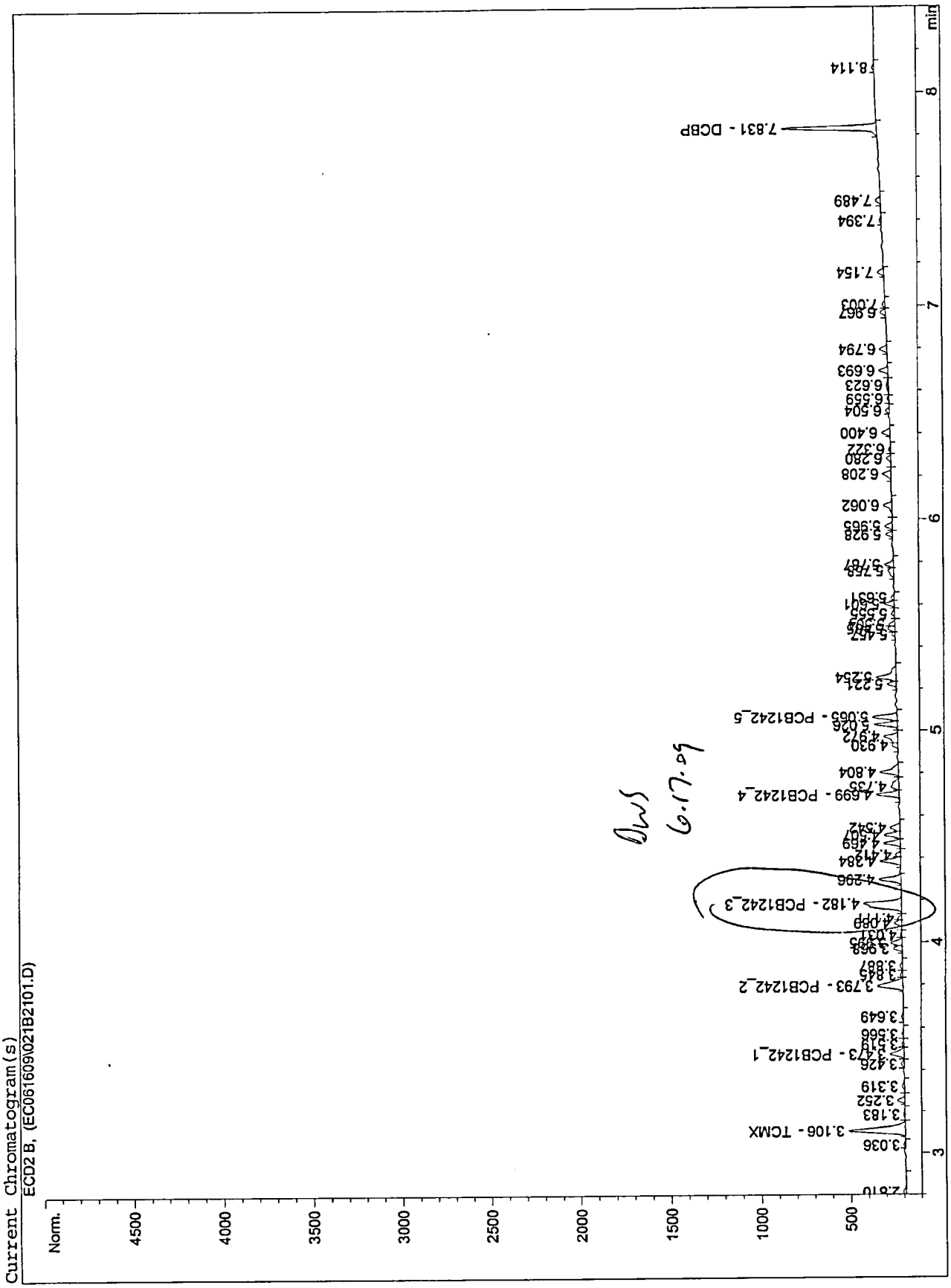
Totals : 302.01812

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)
ECD2 B, (EC061609\021B2101.D)



BWS 6.17.09

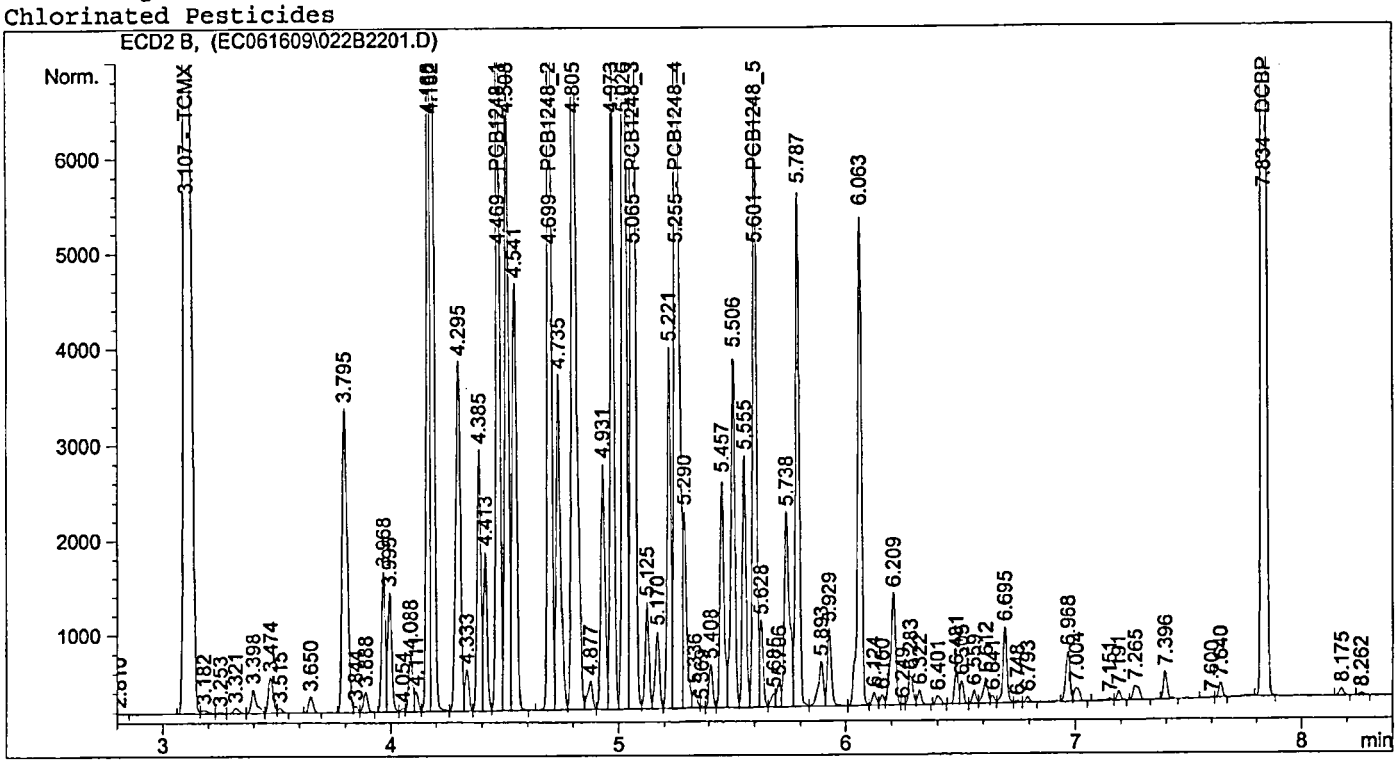
ECD2 6/17/2009 9:14:19 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\022B2201.D Sample Name: A1248 x2000 ICAL

==========

Injection Date : 6/16/2009 7:11:15 PM Seq. Line : 22
Sample Name : A1248 x2000 ICAL Location : Vial 22
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	3.08251e4	6.58618e-3	203.01976		TCMX
4.469	VV	8806.67773	2.29913e-1	2024.77376		PCB1248_1
4.699	VV	1.18361e4	1.71744e-1	2032.77617		PCB1248_2
5.065	VV	1.71860e4	1.17833e-1	2025.08547		PCB1248_3
5.255	VV	1.71760e4	1.18112e-1	2028.69103		PCB1248_4
5.601	VV	7110.13770	2.85328e-1	2028.71889		PCB1248_5
6.887		-	-	-		DBC
7.834	VP	3.05506e4	6.65094e-3	203.19030		DCBP

Totals : 1.05463e4

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

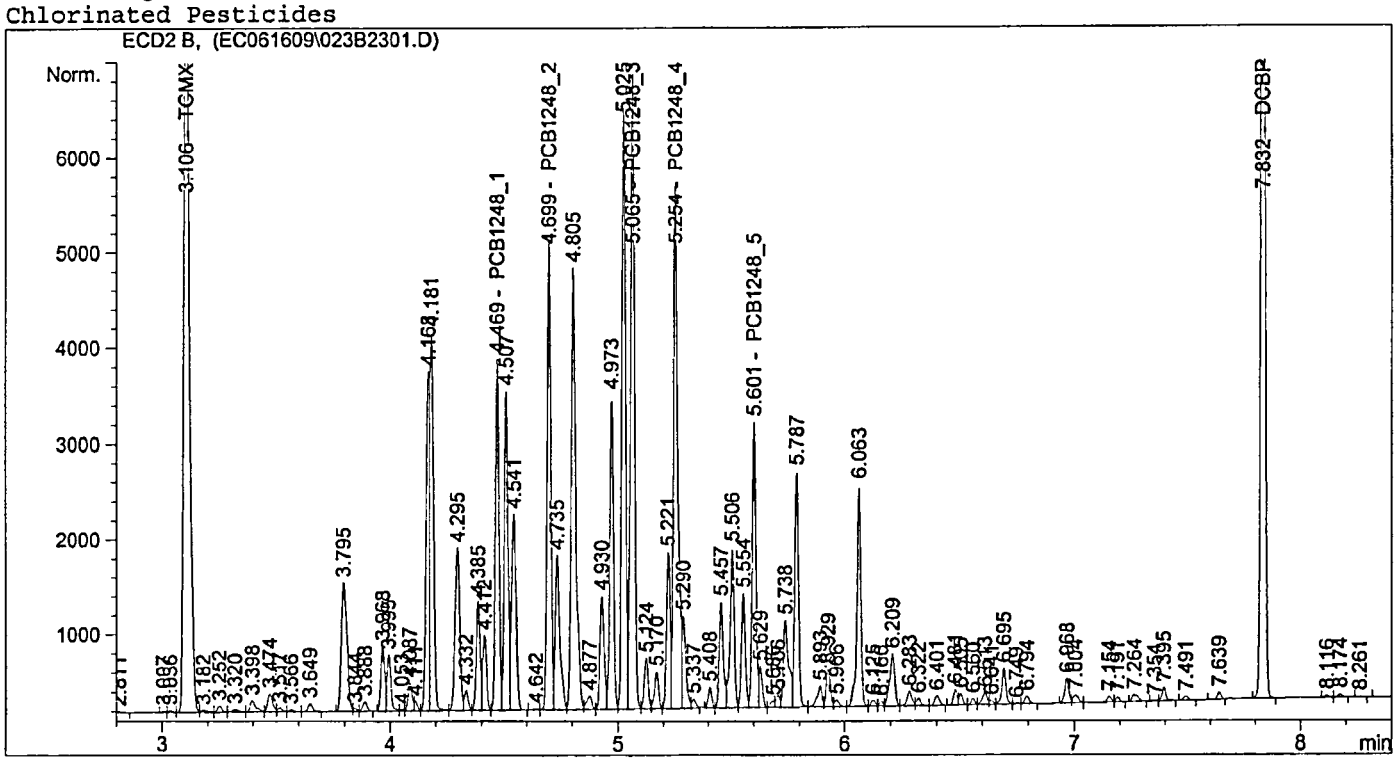
Warning : Calibrated compound(s) not found

Data File C:\HPCHEM\1\DATA\EC061609\023B2301.D Sample Name: A1248 x1000 ICAL

==========

Injection Date : 6/16/2009 7:24:05 PM Seq. Line : 23
Sample Name : A1248 x1000 ICAL Location : Vial 23
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.40913e4	6.80030e-3	95.82514		TCMX
4.469	VV	4111.20459	2.34822e-1	965.40007		PCB1248_1
4.699	VV	5394.39160	1.76085e-1	949.86968		PCB1248_2
5.065	VV	7994.77148	1.20778e-1	965.59574		PCB1248_3
5.254	VV	7896.04150	1.21496e-1	959.33850		PCB1248_4
5.601	VV	3272.71558	2.93019e-1	958.96702		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	1.39587e4	6.84358e-3	95.52761		DCBP

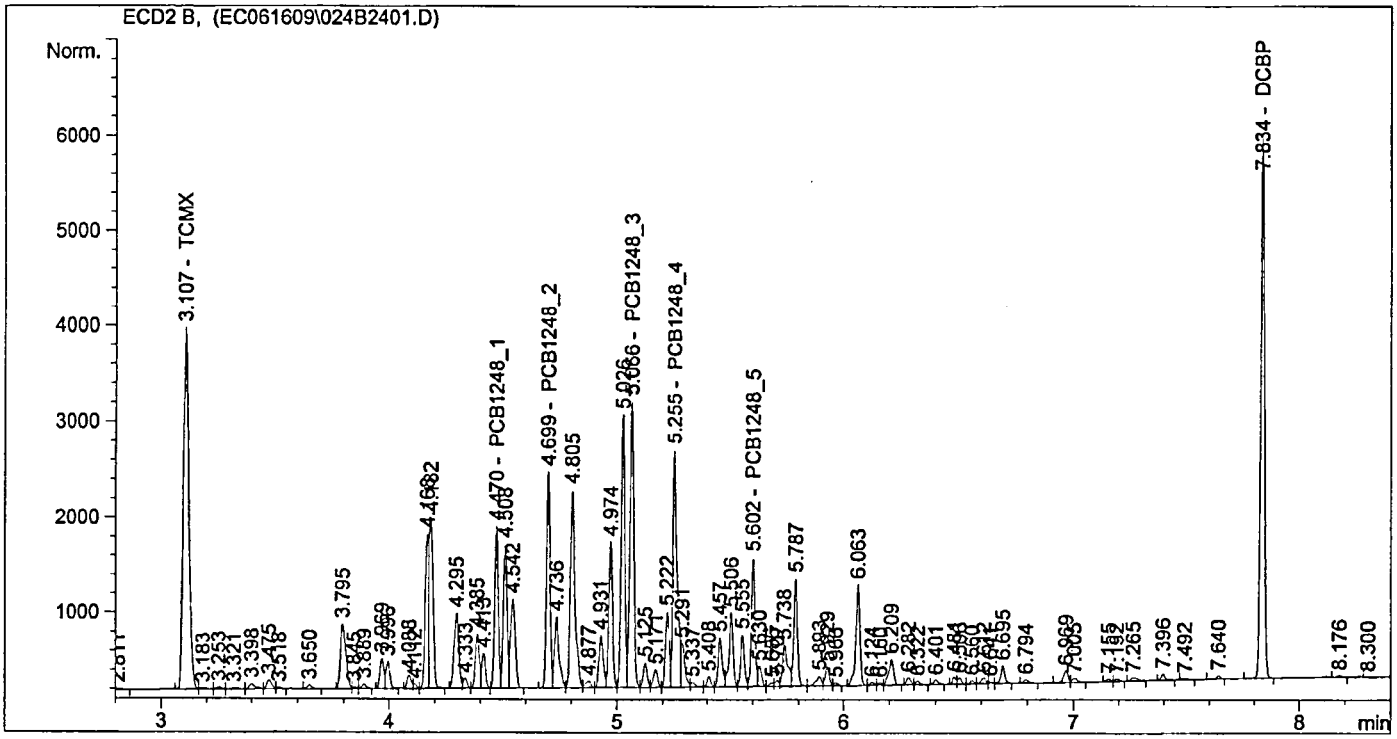
BWS
6.17.09

Totals : 4990.52377

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 7:37:02 PM          Seq. Line :  24
Sample Name     : A1248 x500 ICAL                Location : Vial 24
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	6300.57422	7.28801e-3	45.91865		TCMX
4.470	VV	1901.68494	2.45518e-1	466.89717		PCB1248_1
4.699	VV	2512.91968	1.85230e-1	465.46735		PCB1248_2
5.066	VV	3658.34595	1.27306e-1	465.72899		PCB1248_3
5.255	VV	3585.53442	1.29026e-1	462.62656		PCB1248_4
5.602	VV	1494.21899	3.09980e-1	463.17845		PCB1248_5
6.887		-	-	-		DBC
7.834	BB	6299.68750	7.27482e-3	45.82909		DCBP

Totals : 2415.64627

BWS
6-17-09

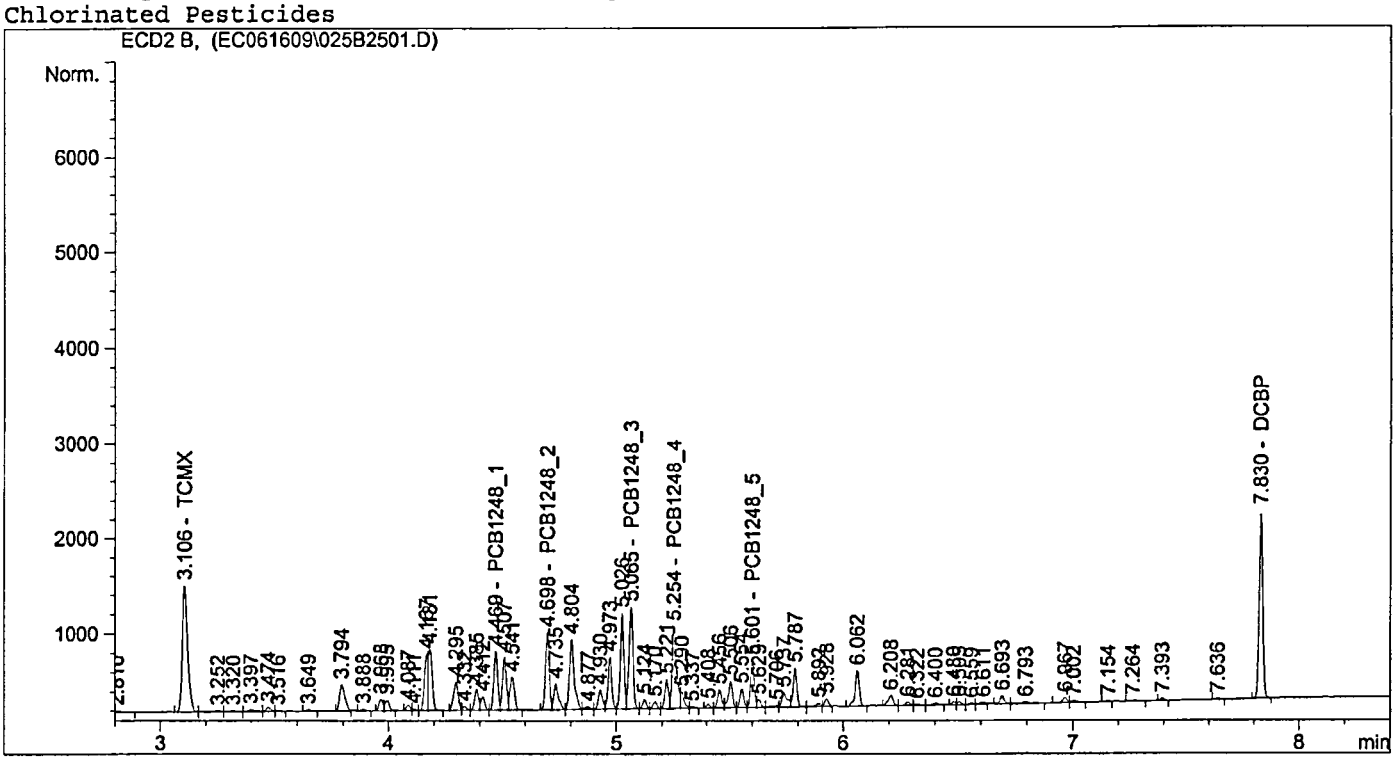
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 7:49:47 PM Seq. Line : 25
Sample Name : A1248 x200 ICAL Location : Vial 25
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET-1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VB	2148.92798	8.99228e-3	19.32375		TCMX
4.469	VV	701.99823	2.79529e-1	196.22870		PCB1248_1
4.698	PV	905.80774	2.15605e-1	195.29683		PCB1248_2
5.065	VV	1303.56958	1.49045e-1	194.29013		PCB1248_3
5.254	VV	1268.16577	1.54230e-1	195.58961		PCB1248_4
5.601	VV	535.51013	3.65858e-1	195.92075		PCB1248_5
6.887		-	-	-		DBC
7.830	BB	2213.60352	8.72560e-3	19.31501		DCBP

Totals : 1015.96479

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

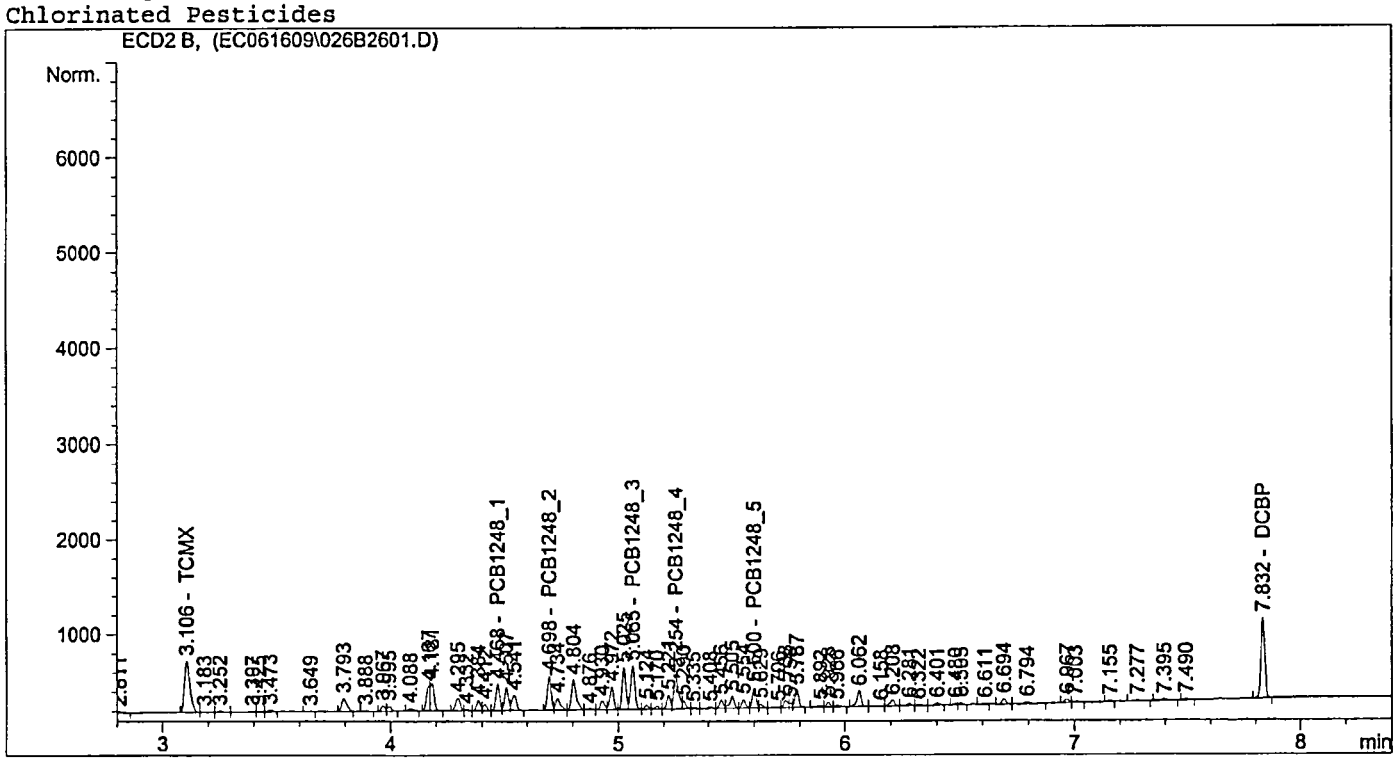
Warning : Calibrated compound(s) not found

Data File C:\HPCHEM\1\DATA\EC061609\026B2601.D Sample Name: A1248 x100 ICAL

==========

Injection Date : 6/16/2009 8:02:36 PM Seq. Line : 26
Sample Name : A1248 x100 ICAL Location : Vial 26
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	887.92737	1.26654e-2	11.24595		TCMX
4.468	VV	311.68481	3.47042e-1	108.16777		PCB1248_1
4.698	PV	390.62155	2.78247e-1	108.68922		PCB1248_2
5.065	VV	563.48987	1.93402e-1	108.97995		PCB1248_3
5.254	VV	539.59485	2.06885e-1	111.63432		PCB1248_4
5.600	VV	232.86835	4.79042e-1	111.55380		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	954.55786	1.16758e-2	11.14522		DCBP

Totals : 571.41623

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

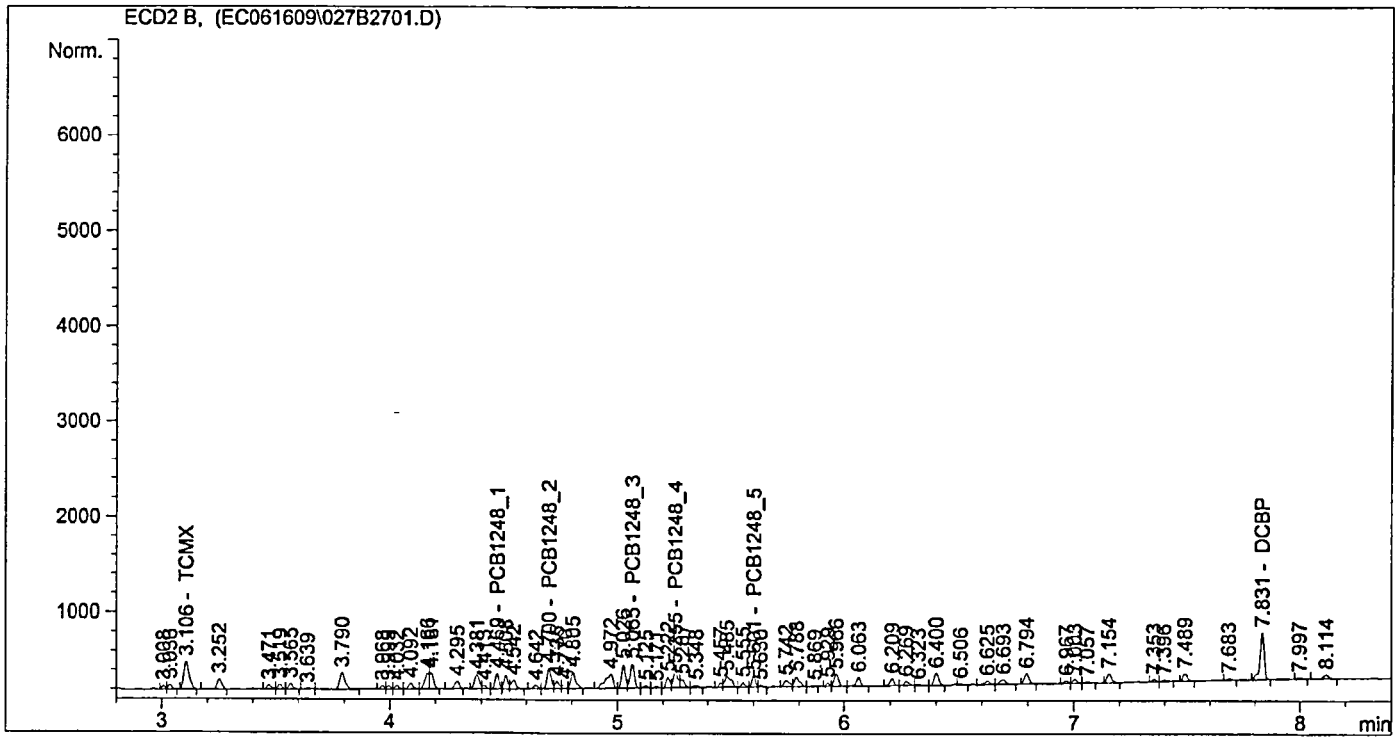
Warning : Calibrated compound(s) not found

Data File C:\HPCHEM\1\DATA\EC061609\027B2701.D Sample Name: A1248 x40 ICAL

==========

Injection Date : 6/16/2009 8:15:37 PM Seq. Line : 27
Sample Name : A1248 x40 ICAL Location : Vial 27
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BP	485.29697	1.78587e-2	8.66675		TCMX
4.469	VV	180.33220	4.35488e-1	78.53252		PCB1248_1
4.700	VV	266.96121	3.29264e-1	87.90076		PCB1248_2
5.065	VV	314.85751	2.55099e-1	80.31970		PCB1248_3
5.255	VV	283.46695	2.89699e-1	82.11997		PCB1248_4
5.601	VV	125.63702	6.49976e-1	81.66109		PCB1248_5
6.887		-	-	-		DBC
7.831	BB	622.84137	1.44383e-2	8.99276		DCBP

Totals : 428.19356

BWS
6-17-09

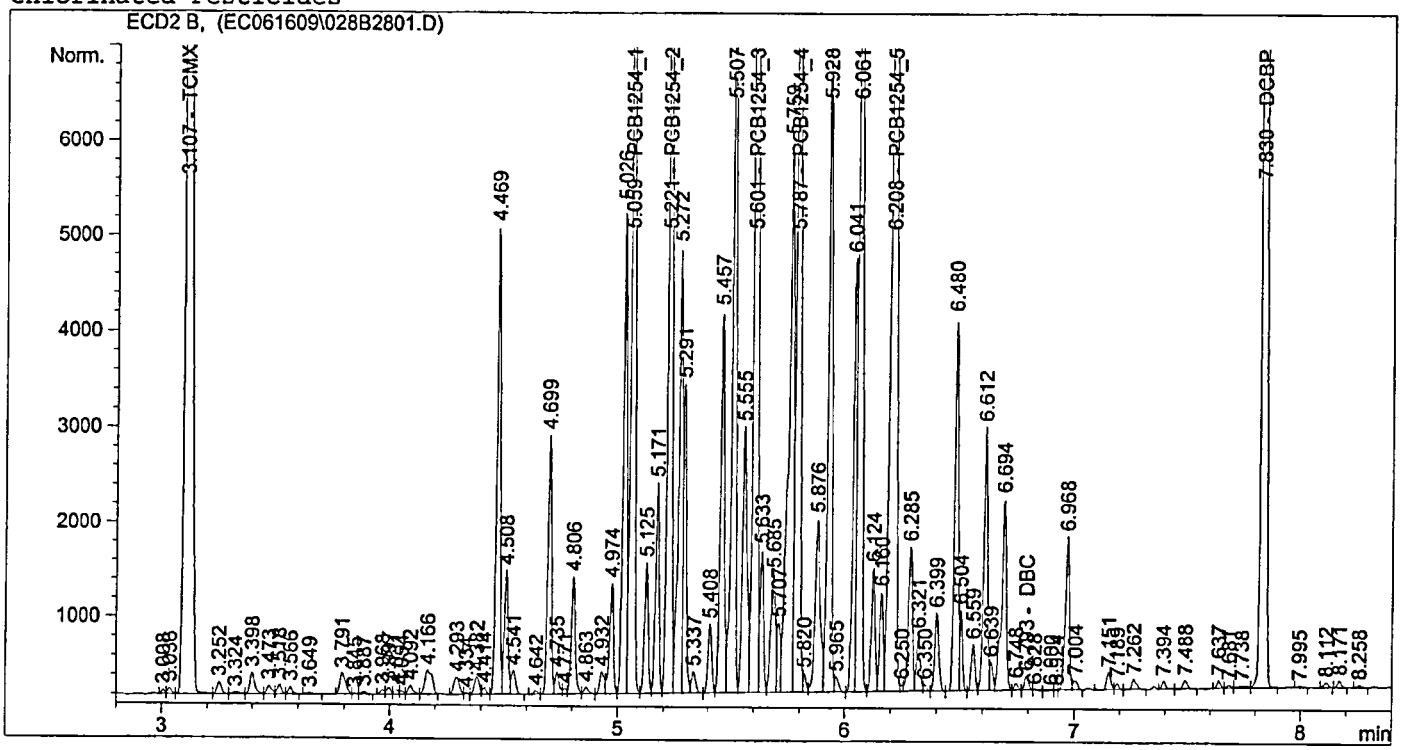
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 8:28:31 PM Seq. Line : 28
Sample Name : A1254 x2000 ICAL Location : Vial 28
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VV	2.82617e4	7.07513e-3	199.95492		TCMX
5.059	VV	1.06647e4	1.87523e-1	1999.87699		PCB1254_1
5.221	VV	1.08727e4	1.79699e-1	1953.80746		PCB1254_2
5.601	VV	1.80251e4	1.10962e-1	2000.09376		PCB1254_3
5.787	VV	1.44171e4	1.38665e-1	1999.14940		PCB1254_4
6.208	VV	1.75004e4	1.12740e-1	1973.00287		PCB1254_5
6.793	VV	171.09821	0.00000	0.00000		DBC
7.830	VB	2.85947e4	7.03720e-3	201.22627		DCBP

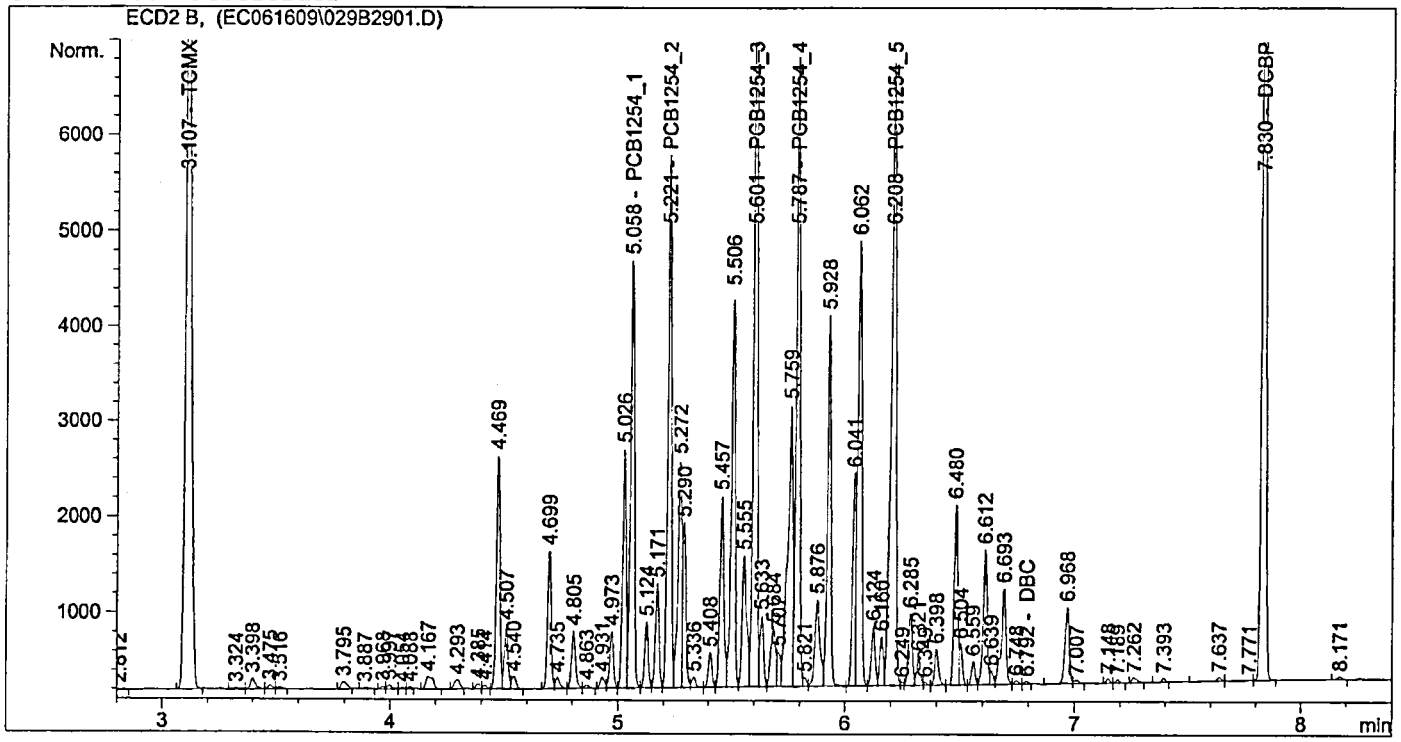
Totals : 1.03271e4

DWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 8:41:32 PM          Seq. Line :  29
Sample Name     : A1254 x1000 ICAL               Location : Vial 29
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VB	1.40482e4	7.16859e-3	100.70584		TCMX
5.058	VV	5308.97803	1.88691e-1	1001.75400		PCB1254_1
5.221	VV	6097.46680	1.78618e-1	1089.11633		PCB1254_2
5.601	VV	8935.36523	1.12154e-1	1002.13848		PCB1254_3
5.787	VV	7195.55811	1.39696e-1	1005.19148		PCB1254_4
6.208	VV	9338.53711	1.12975e-1	1055.02259		PCB1254_5
6.792	VV	29.78347	0.00000	0.00000		DBC
7.830	VB	1.37947e4	7.12150e-3	98.23857		DCBP
Totals :				5352.16729		

BWS
6.17.09

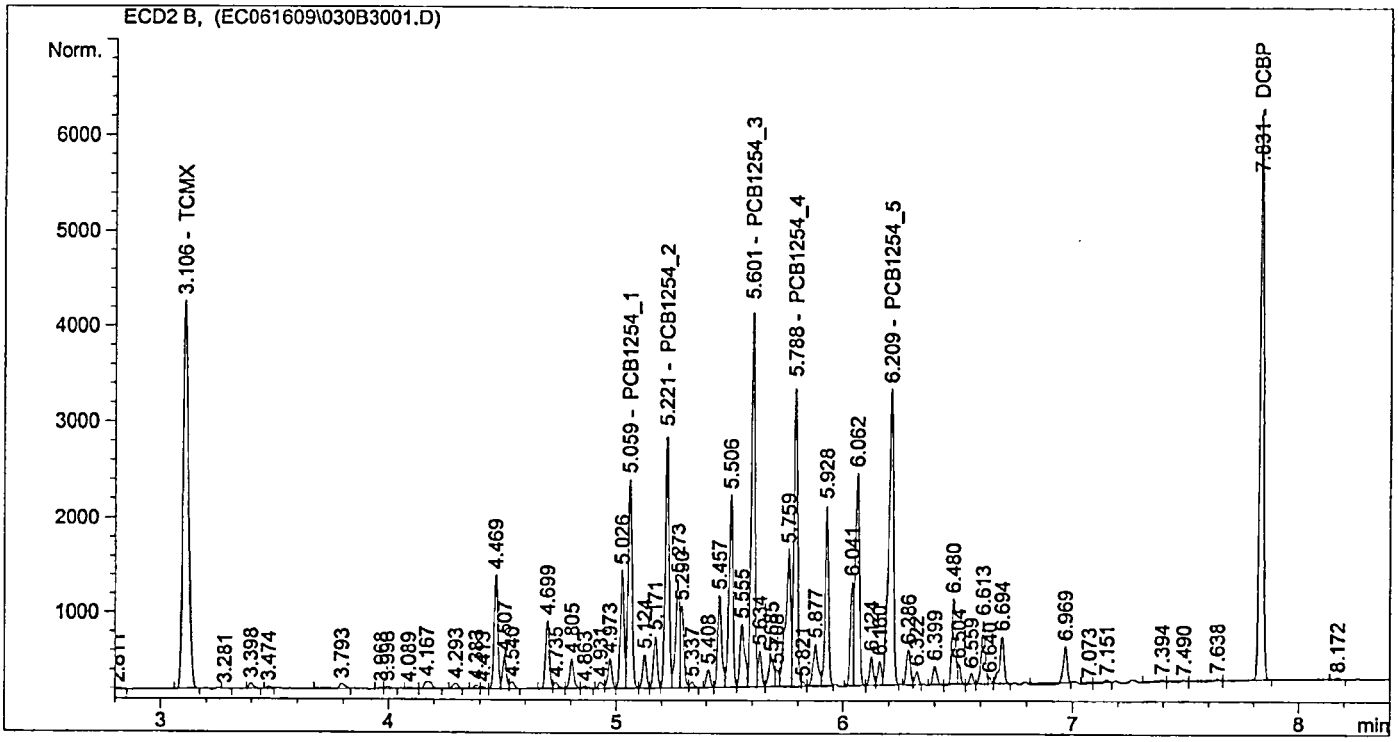
```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

==========

Injection Date : 6/16/2009 8:54:25 PM Seq. Line : 30
Sample Name : A1254 x500 ICAL Location : Vial 30
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	6711.31299	7.37175e-3	49.47411		TCMX
5.059	VV	2630.86133	1.91057e-1	502.64386		PCB1254_1
5.221	VV	2990.20801	1.76060e-1	526.45598		PCB1254_2
5.601	VV	4376.57861	1.14617e-1	501.62995		PCB1254_3
5.788	VV	3507.07764	1.41860e-1	497.51547		PCB1254_4
6.209	VV	4512.06494	1.13514e-1	512.18204		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	6690.64648	7.29443e-3	48.80442		DCBP

Totals : 2638.70584

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

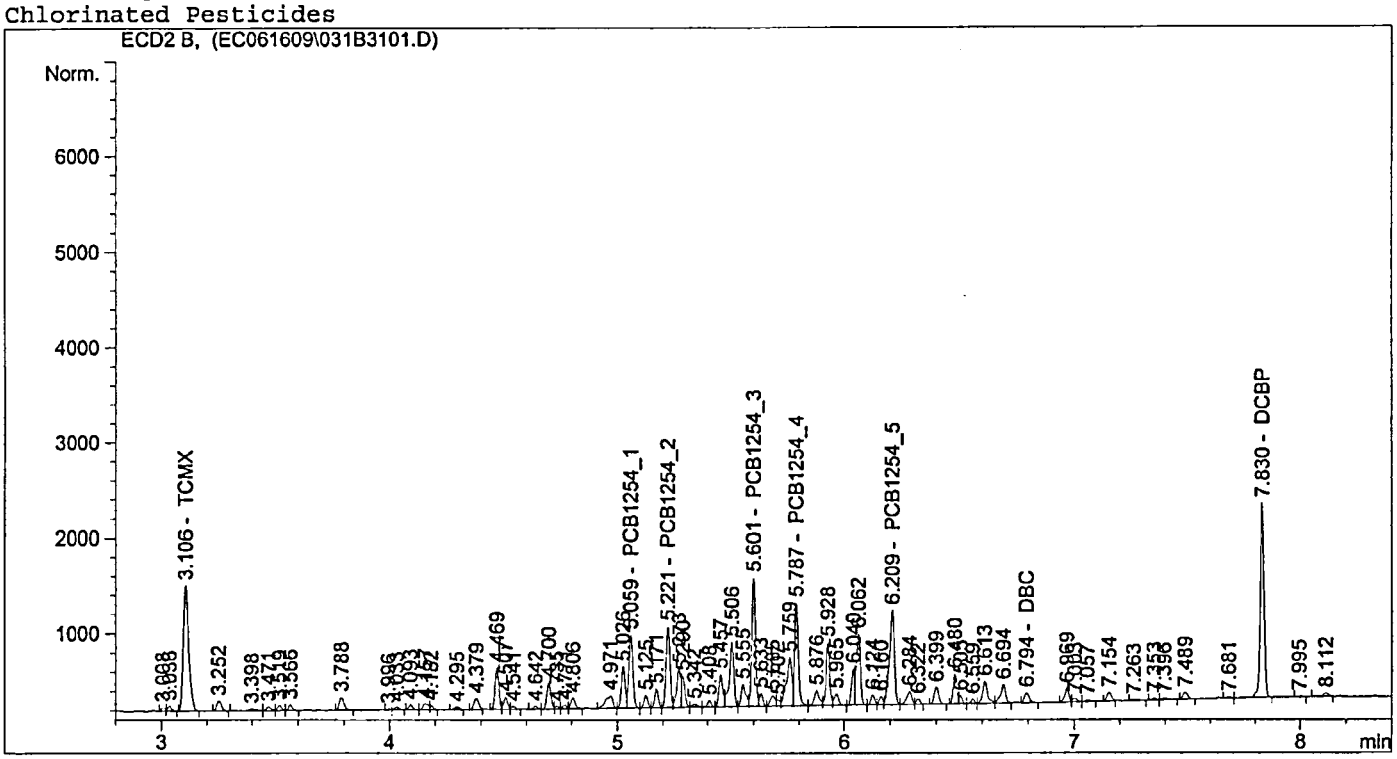
Warning : Calibration warnings (see calibration table listing)

Data File C:\HPCHEM\1\DATA\EC061609\031B3101.D Sample Name: A1254 x200 ICAL

==========

Injection Date : 6/16/2009 9:07:20 PM Seq. Line : 31
Sample Name : A1254 x200 ICAL Location : Vial 31
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	2193.94385	8.17269e-3	17.93042		TCMX
5.059	VV	926.45355	1.99686e-1	185.00005		PCB1254_1
5.221	VV	987.88354	1.65886e-1	163.87639		PCB1254_2
5.601	VV	1473.57690	1.24126e-1	182.90980		PCB1254_3
5.787	VV	1242.70264	1.49554e-1	185.85086		PCB1254_4
6.209	VV	1477.55640	1.15655e-1	170.88632		PCB1254_5
6.794	VB	145.04182	0.00000	0.00000		DBC
7.830	VB	2369.89722	7.90665e-3	18.73794		DCBP

Totals : 925.19179

BWS
6.17.09

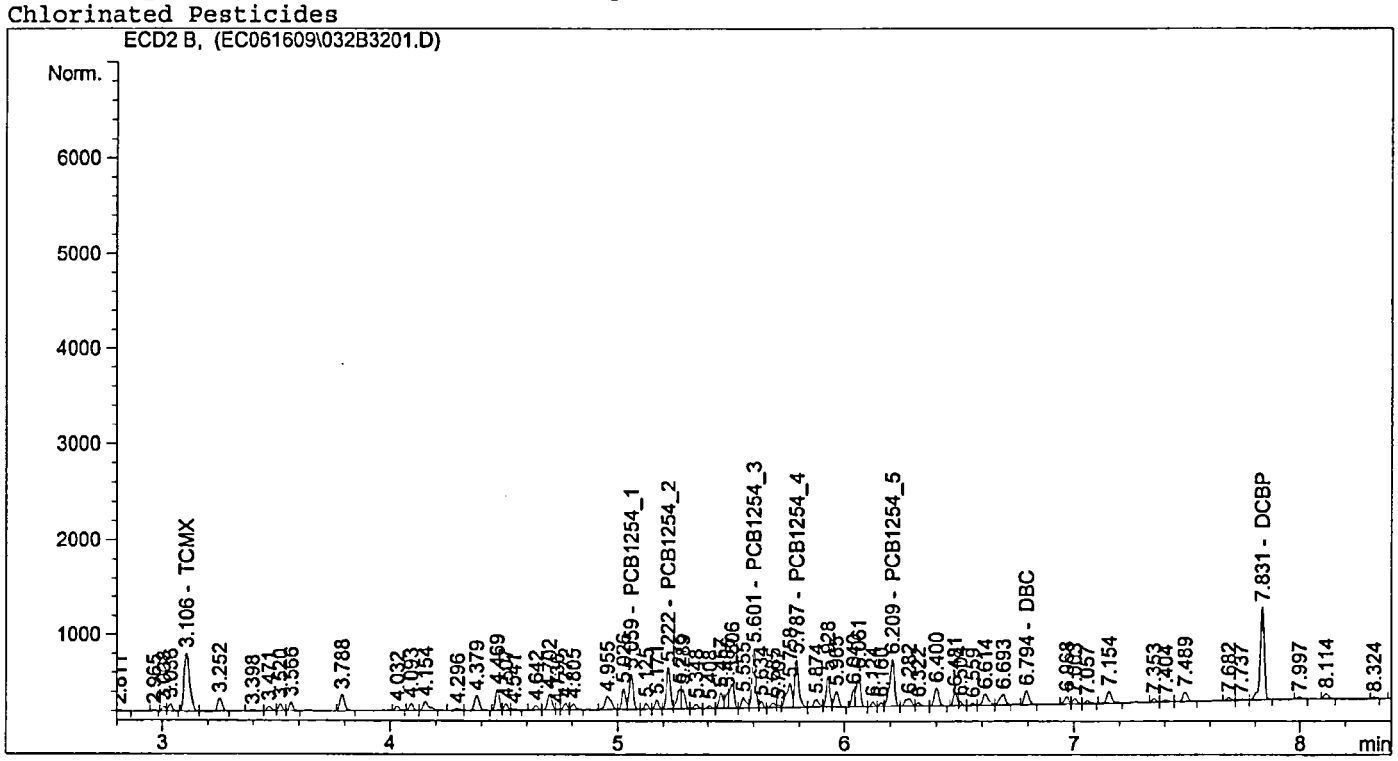
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 9:20:15 PM Seq. Line : 32
Sample Name : A1254 x100 ICAL Location : Vial 32
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



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External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	1019.56036	9.54332e-3	9.72999		TCMX
5.059	VV	447.20605	2.13961e-1	95.68457		PCB1254_1
5.222	VV	505.87912	1.51410e-1	76.59535		PCB1254_2
5.601	VV	680.14520	1.40851e-1	95.79905		PCB1254_3
5.787	VV	629.87061	1.61147e-1	101.50173		PCB1254_4
6.209	VV	720.91449	1.18996e-1	85.78568		PCB1254_5
6.794	VB	200.11134	0.00000	0.00000		DBC
7.831	VB	1208.52026	8.81768e-3	10.65635		DCBP

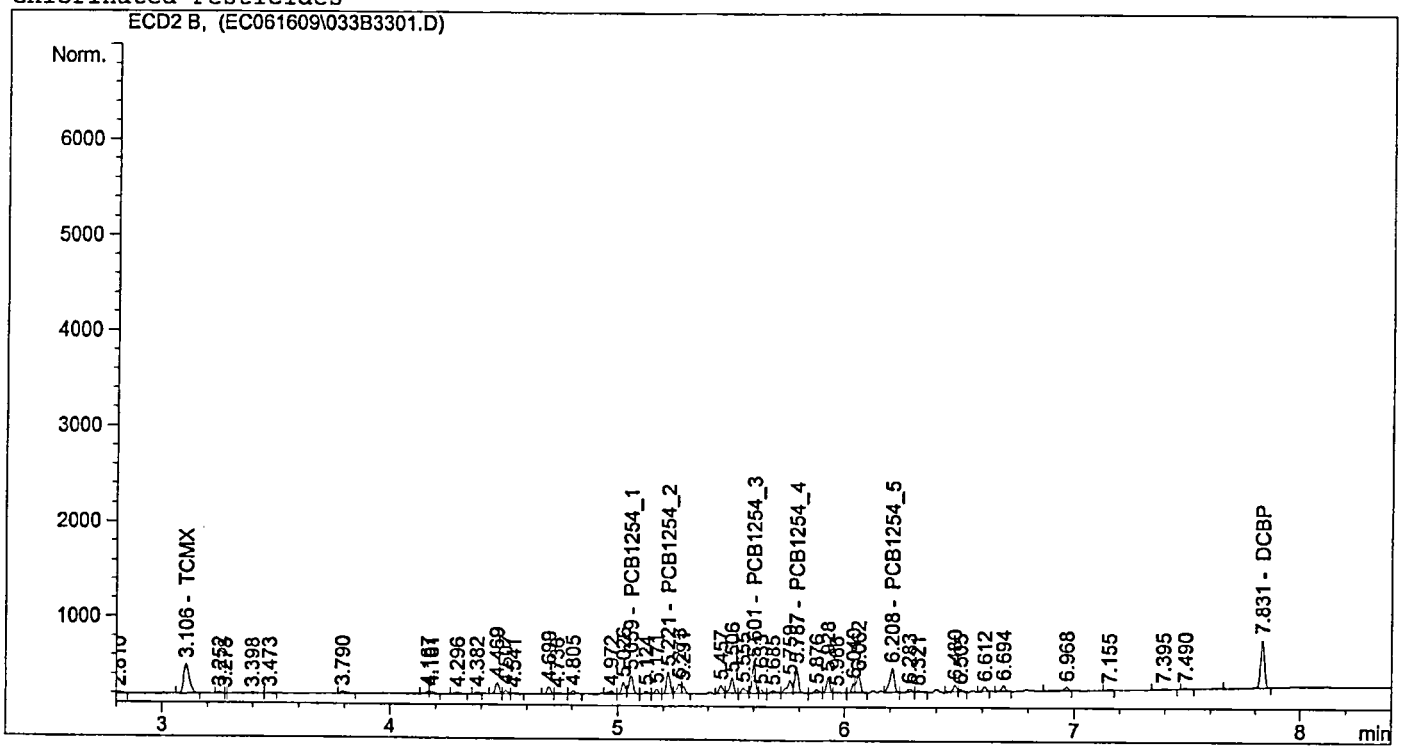
Totals : 475.75272

BWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:33:02 PM          Seq. Line :  33
Sample Name     : A1254 x40 ICAL                 Location : Vial 33
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	514.70605	1.20549e-2	6.20472		TCMX
5.059	VV	229.11891	2.40227e-1	55.04052		PCB1254_1
5.221	VV	249.37901	1.20894e-1	30.14848		PCB1254_2
5.601	VV	330.65857	1.73681e-1	57.42896		PCB1254_3
5.787	VV	261.43622	1.94277e-1	50.79106		PCB1254_4
6.208	VV	341.57239	1.26241e-1	43.12050		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	587.72308	1.07814e-2	6.33645		DCBP

Totals : 249.07070

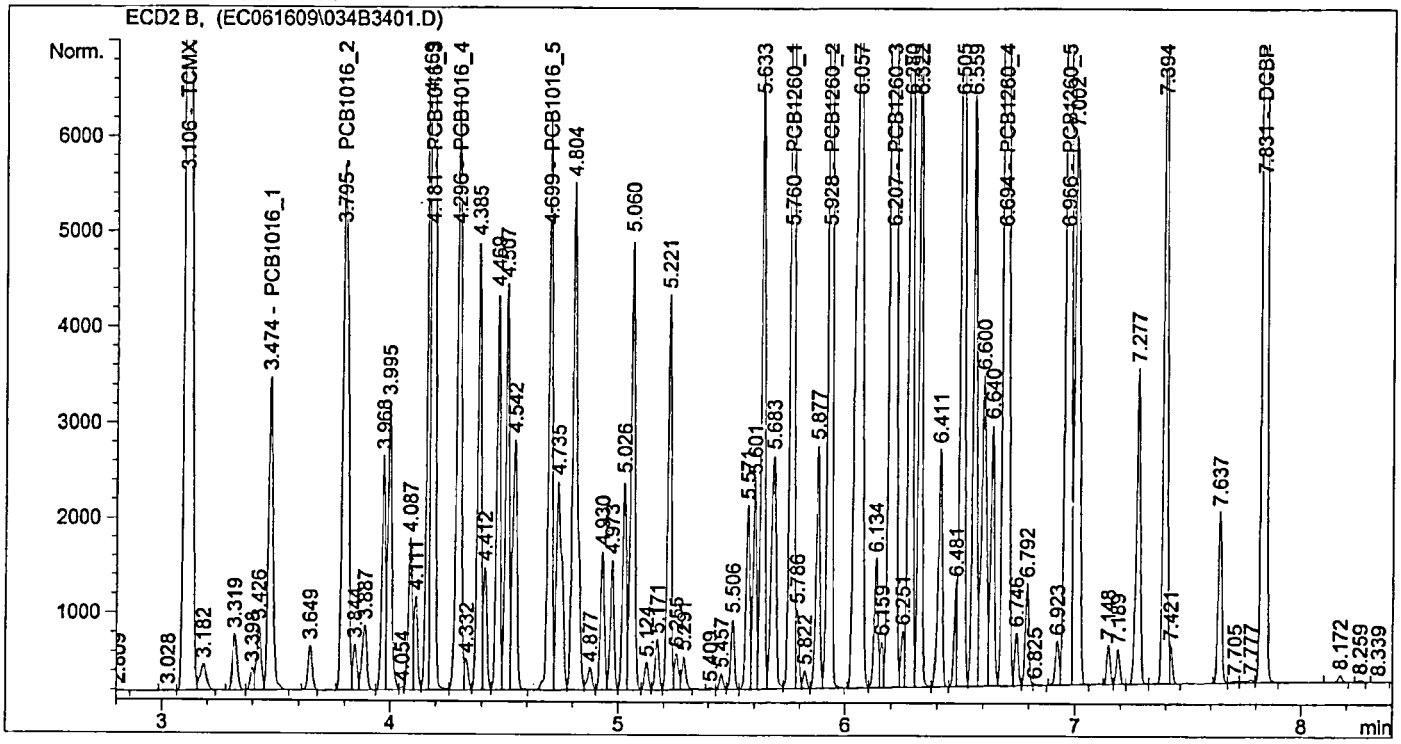
BWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:46:01 PM          Seq. Line :  34
Sample Name     : PCB x2000 ICAL                 Location : Vial 34
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:06:29 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:06:27 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

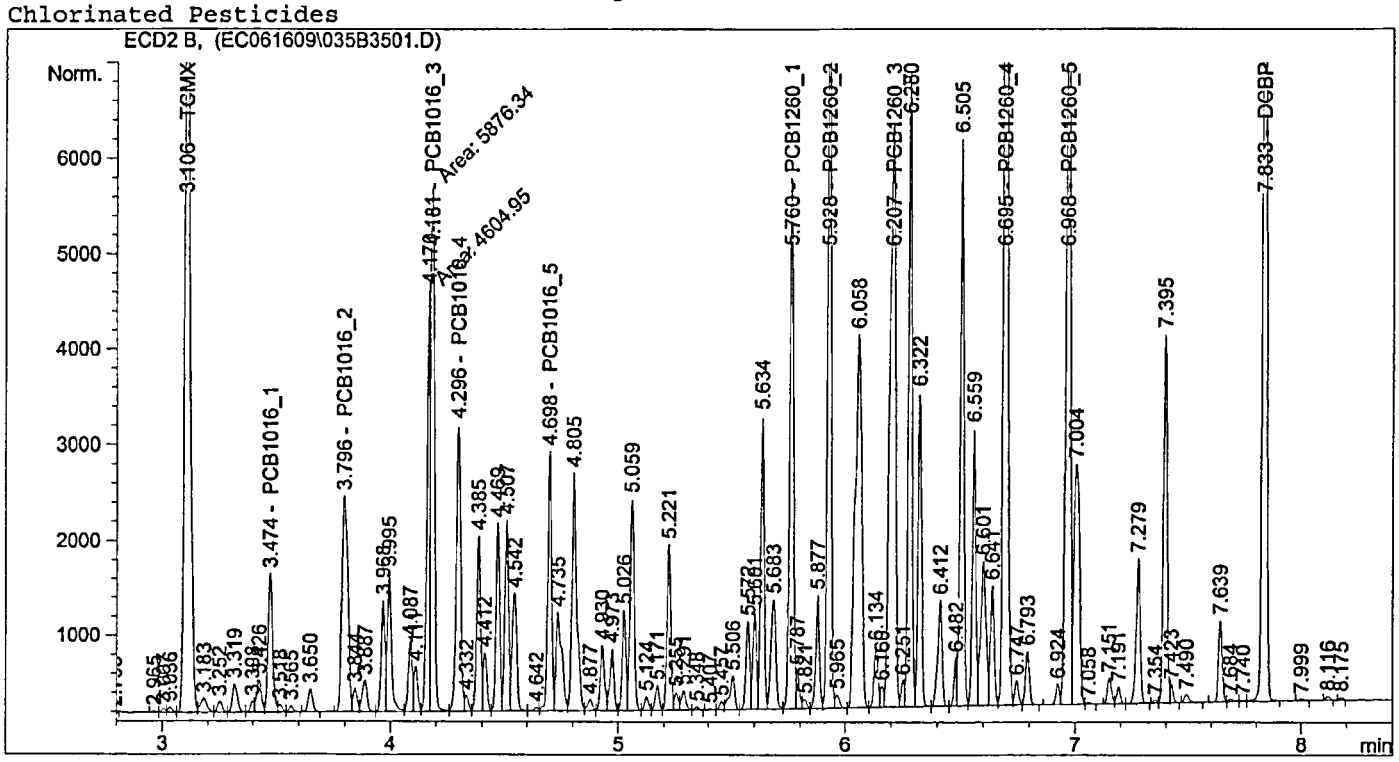
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2.94592e4	6.92505e-3	204.00623		TCMX
3.474	VB	4519.23340	4.43160e-1	2002.74428		PCB1016_1
3.795	PV	9469.86719	2.11388e-1	2001.81475		PCB1016_2
4.181	VV	1.46701e4	1.38396e-1	2030.28167		PCB1016_3
4.296	VV	8460.35547	2.38305e-1	2016.14481		PCB1016_4
4.699	VV	6825.10742	2.95084e-1	2013.97708		PCB1016_5
5.760	VV	1.36293e4	1.47790e-1	2014.27611		PCB1260_1
5.928	VB	1.90835e4	1.07837e-1	2057.90603		PCB1260_2
6.207	VV	2.42130e4	8.41678e-2	2037.95609		PCB1260_3
6.694	VV	3.69854e4	5.59014e-2	2067.53221		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	2.38040e4	8.64581e-2	2058.04726		PCB1260_5
7.831	VB	2.91817e4	6.17971e-3	180.33454		DCBP

BWS
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\035B3501.D

```
==================================================================
Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  35
Sample Name     : PCB x1000 ICAL                 Location : Vial 35
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:07:22 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:07:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

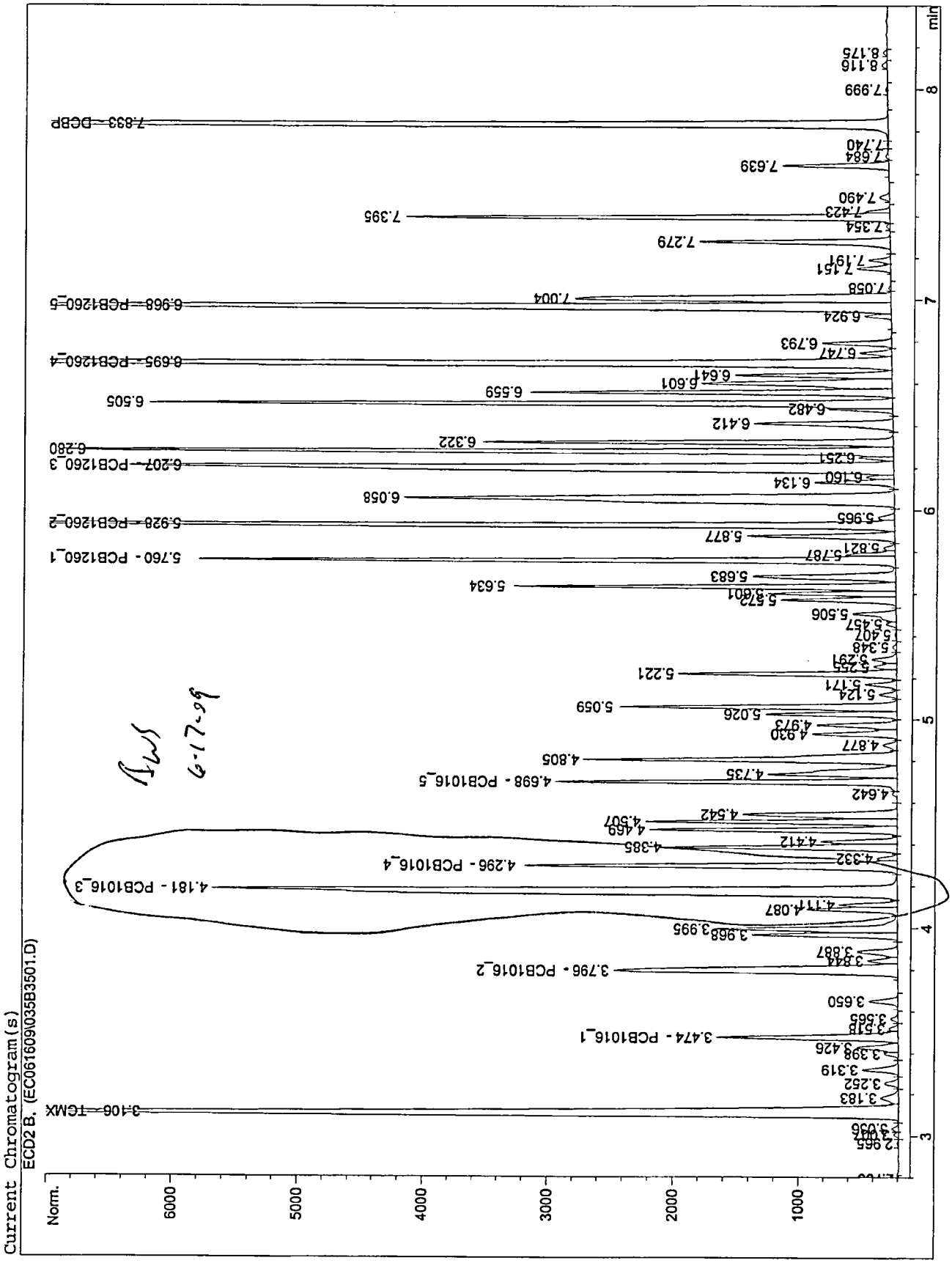
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1.36287e4	7.07647e-3	96.44283		TCMX
3.474	VV	2033.76917	4.53075e-1	921.44899		PCB1016_1
3.796	VV	4170.35840	2.17441e-1	906.80535		PCB1016_2
4.181	FM	5876.34326	1.46526e-1	861.03867		PCB1016_3
4.296	VV	4022.45117	2.41745e-1	972.40734		PCB1016_4
4.698	VV	3104.98975	3.02309e-1	938.66590		PCB1016_5
5.760	VV	6291.23389	1.50335e-1	945.79497		PCB1260_1
5.928	VV	9044.02246	1.08669e-1	982.80589		PCB1260_2
6.207	VV	1.06166e4	8.69772e-2	923.40447		PCB1260_3
6.695	VV	1.70676e4	5.68041e-2	969.51015		PCB1260_4
6.891		-	-	-		DBC
6.968	VV	1.11218e4	8.76728e-2	975.08050		PCB1260_5
7.833	VB	1.36456e4	6.60789e-3	90.16844		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:07:22 AM BWS

Print of window 38: Current Chromatogram(s)

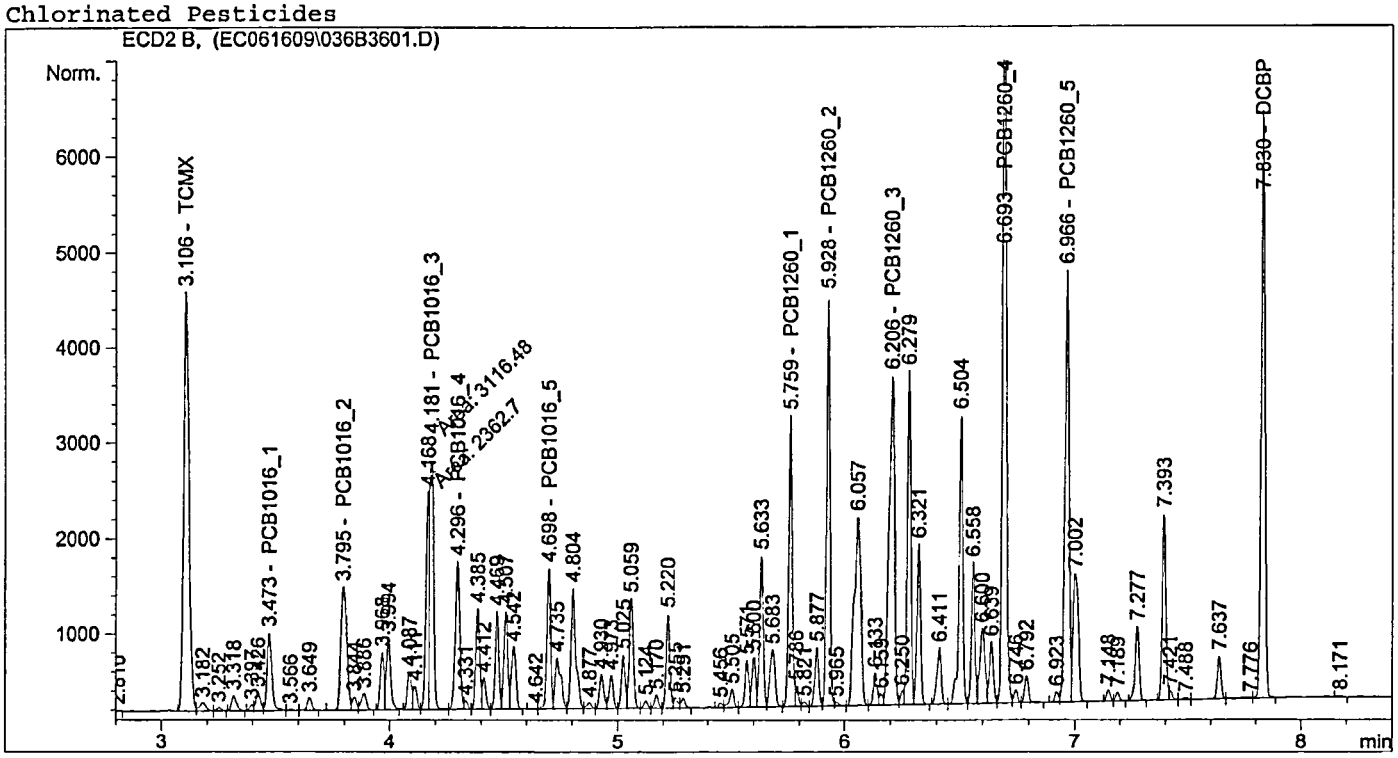


ECD2 6/17/2009 10:06:52 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\036B3601.D

```
==================================================================
Injection Date  : 6/16/2009 10:11:44 PM          Seq. Line :  36
Sample Name     : PCB x500 ICAL                   Location : Vial 36
Acq. Operator   : BWS                                 Inj :   1
                                                 Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:08:05 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:08:02 AM
Multiplier : 1.0000
Dilution : 1.0000

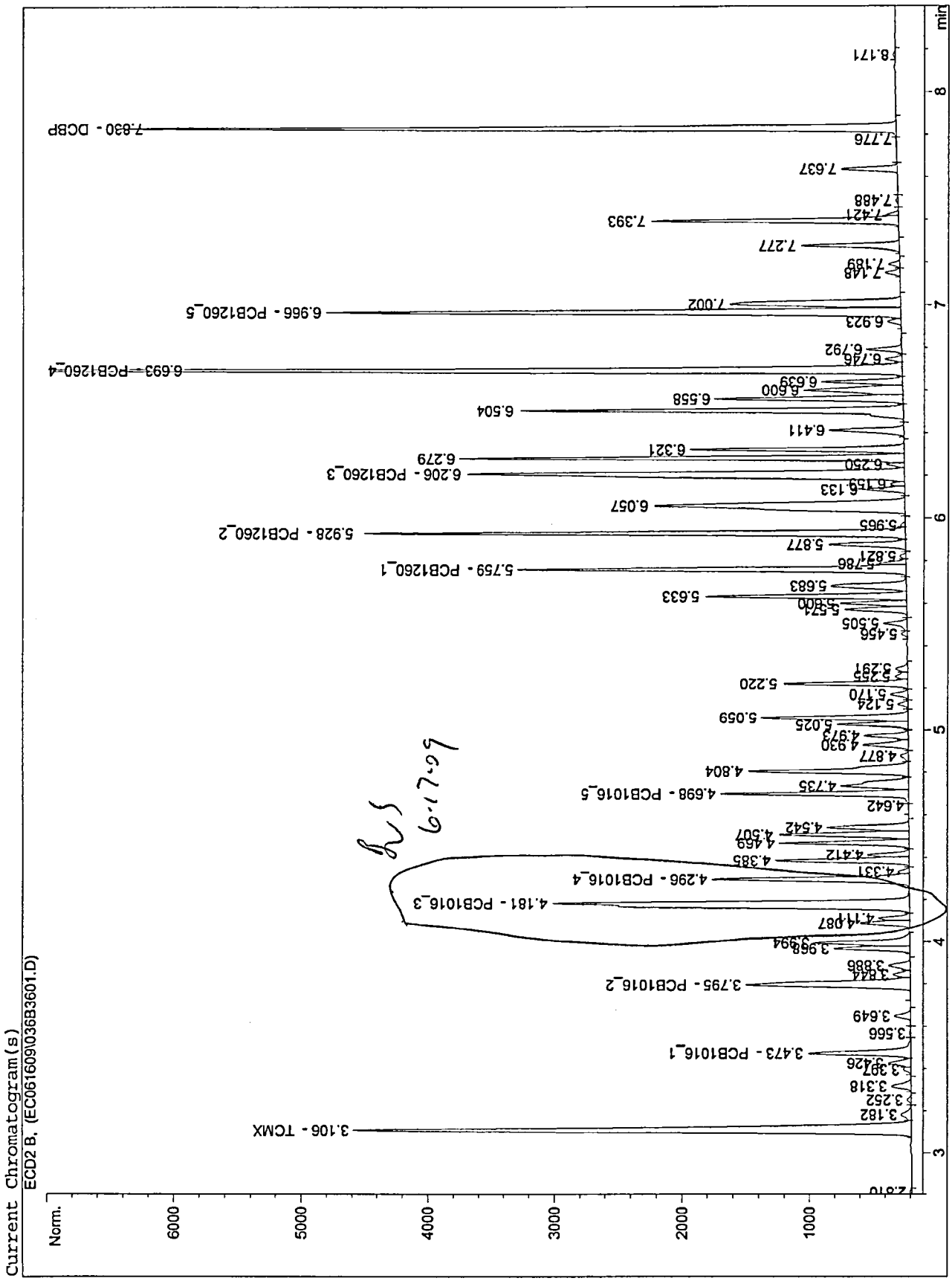
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	7003.94629	7.20672e-3	50.47550		TCMX
3.473	VV	1173.99915	4.48251e-1	526.24666		PCB1016_1
3.795	BV	2337.43018	2.17472e-1	508.32606		PCB1016_2
4.181	FM	3116.47534	1.53470e-1	478.28481		PCB1016_3
4.296	VV	2094.15796	2.42120e-1	507.03773		PCB1016_4
4.698	VV	1677.99841	3.03838e-1	509.83950		PCB1016_5
5.759	VV	3357.37085	1.51005e-1	506.97811		PCB1260_1
5.928	VV	4654.07275	1.09539e-1	509.80197		PCB1260_2
6.206	VV	5743.00488	8.85477e-2	508.52996		PCB1260_3
6.693	VV	8792.44434	5.78925e-2	509.01700		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	5652.14844	8.91801e-2	504.05910		PCB1260_5
7.830	VB	6917.99902	6.66835e-3	46.13166		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:08:05 AM BWS

Print of window 38: Current Chromatogram(s)



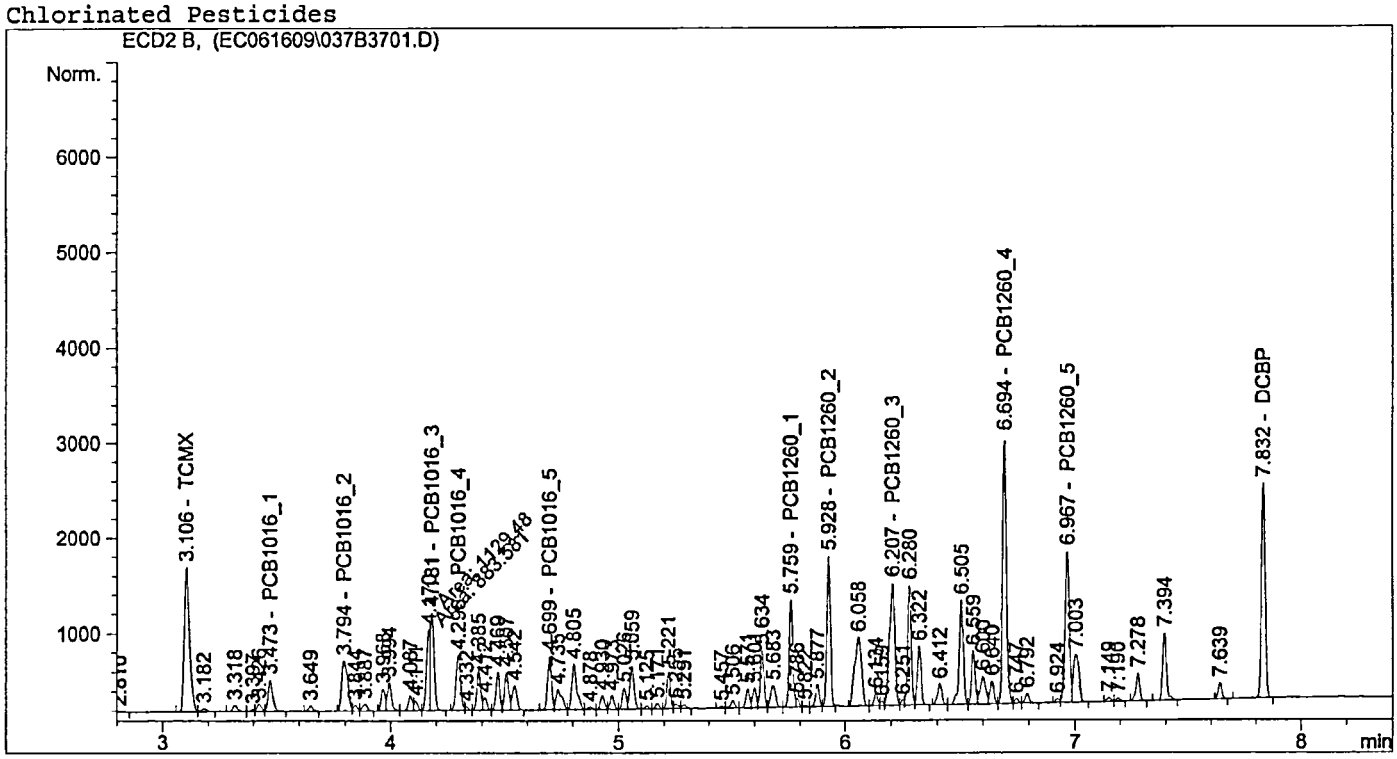
ECD2 6/17/2009 10:07:40 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\037B3701.D

Injection Date	: 6/16/2009 10:24:44 PM	Seq. Line :	37
Sample Name	: PCB x200 ICAL	Location :	Vial 37
Acq. Operator	: BWS	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/17/2009 10:10:01 AM by BWS
(modified after loading)

Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:10:00 AM
Multiplier : 1.0000
Dilution : 1.0000

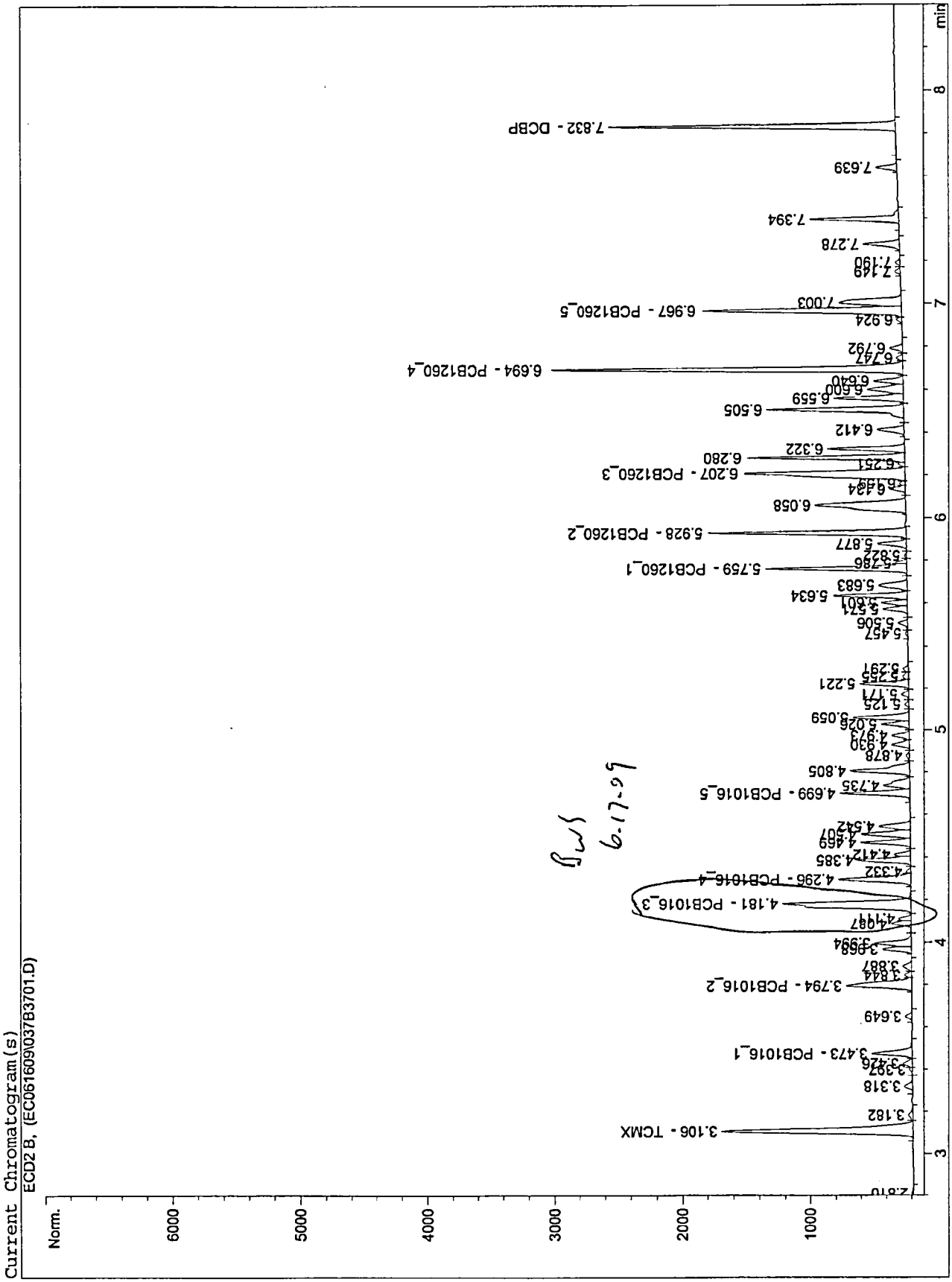
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2459.41650	7.98155e-3	19.62996		TCMX
3.473	VB	459.35840	4.55209e-1	209.10389		PCB1016_1
3.794	BV	925.94446	2.27040e-1	210.22643		PCB1016_2
4.181	FM	1129.47510	1.84501e-1	208.38960		PCB1016_3
4.296	BV	785.00928	2.52392e-1	198.12976		PCB1016_4
4.699	BV	634.24420	3.20572e-1	203.32064		PCB1016_5
5.759	VV	1251.00183	1.59135e-1	199.07828		PCB1260_1
5.928	VV	1690.69934	1.17110e-1	197.99704		PCB1260_2
6.207	VV	2103.30566	9.77195e-2	205.53395		PCB1260_3
6.694	VV	3117.92969	6.42428e-2	200.30467		PCB1260_4
6.891		-	-	-		DBC
6.967	VV	2021.84827	9.79173e-2	197.97387		PCB1260_5
7.832	BB	2527.29541	7.09127e-3	17.92173		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:10:01 AM BWS

Print of window 38: Current Chromatogram(s)



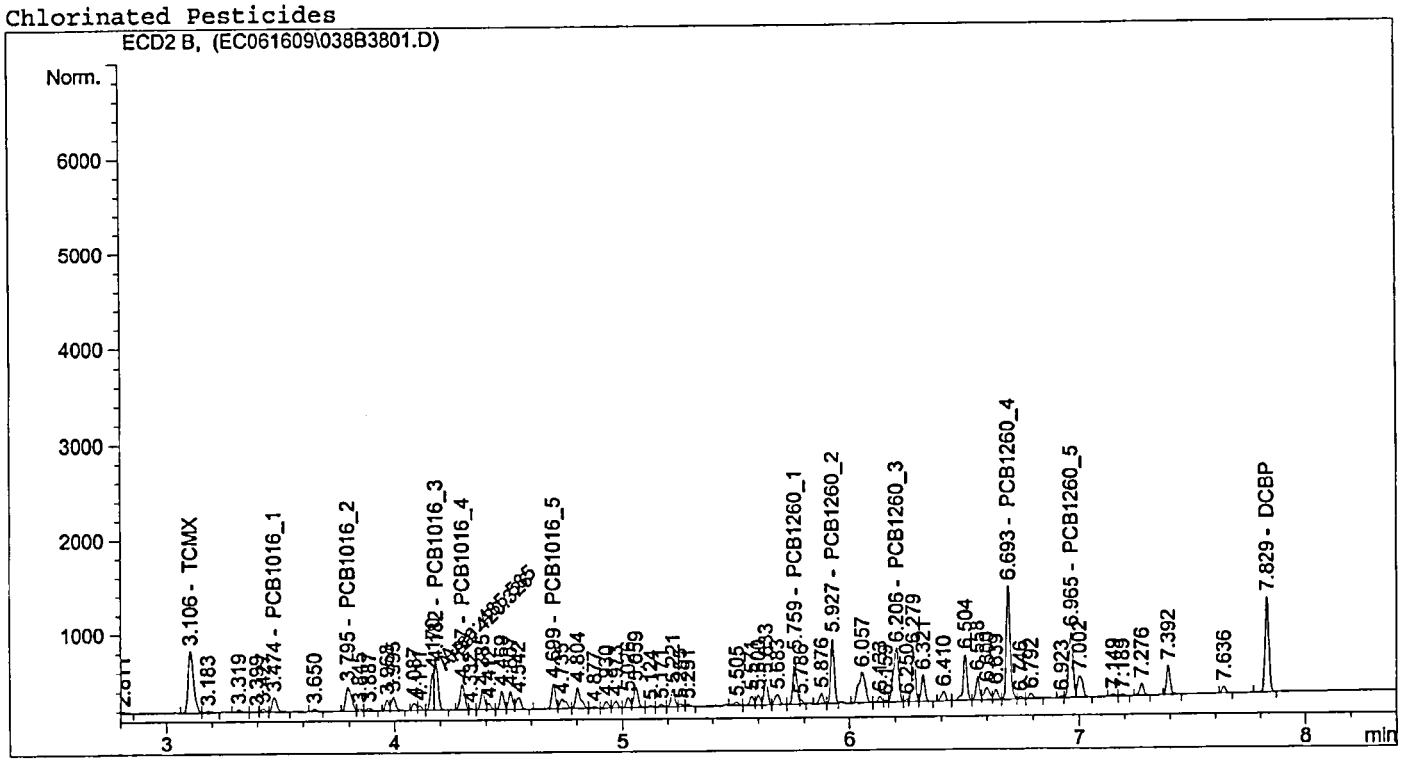
ECD2 6/17/2009 10:08:23 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\038B3801.D

Injection Date	: 6/16/2009 10:37:35 PM	Seq. Line :	38
Sample Name	: PCB x100 ICAL	Location :	Vial 38
Acq. Operator	: BWS	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/17/2009 10:10:50 AM by BWS
(modified after loading)

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:10:48 AM
Multiplier	:	1.0000
Dilution	:	1.0000

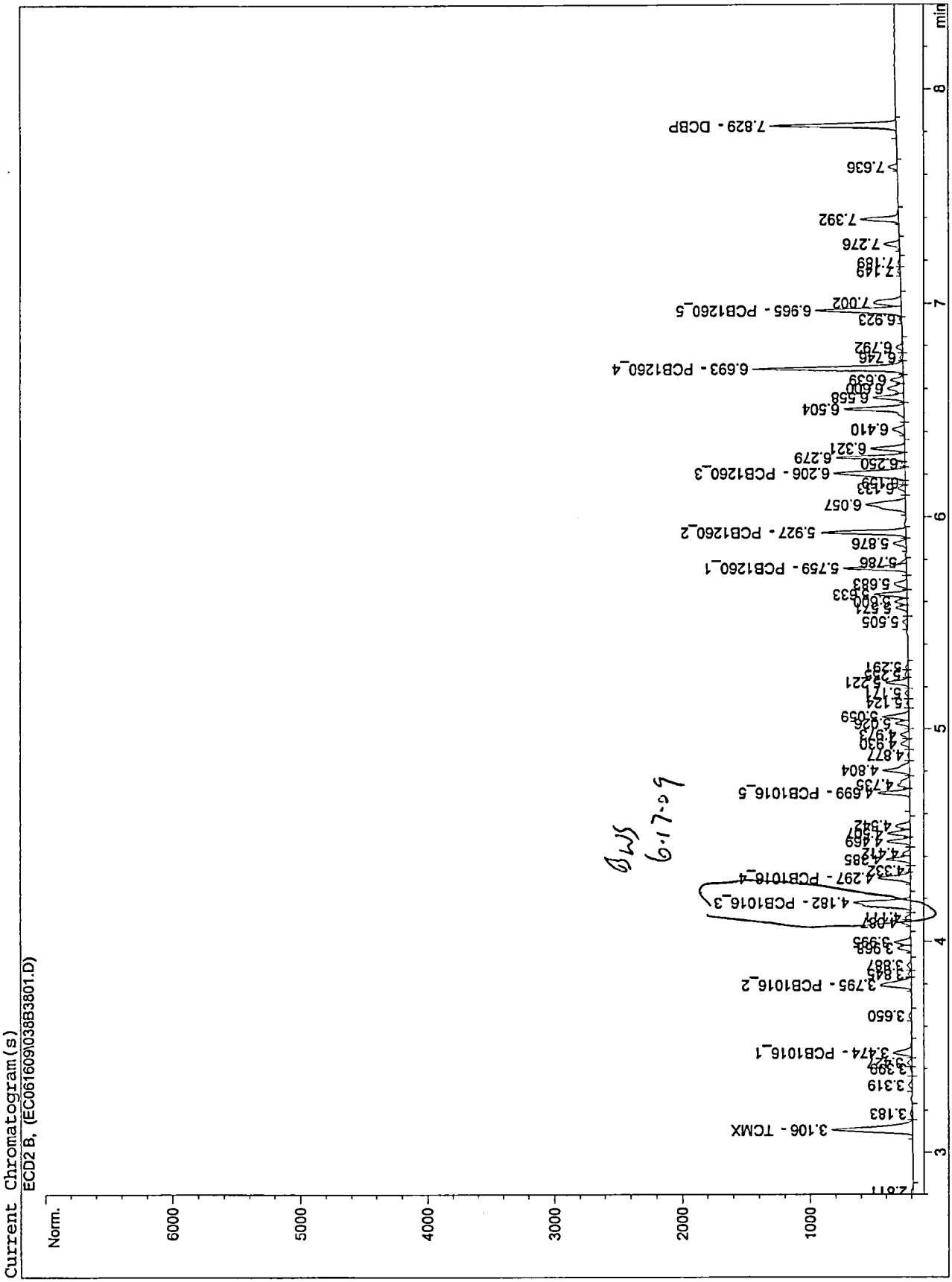
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1060.00964	9.47053e-3	10.03885		TCMX
3.474	VB	217.42149	4.56579e-1	99.27014		PCB1016_1
3.795	BV	437.29282	2.40067e-1	104.97947		PCB1016_2
4.182	FM	485.58514	2.49460e-1	121.13418		PCB1016_3
4.297	BV	360.85504	2.68497e-1	96.88843		PCB1016_4
4.699	BV	295.44028	3.46344e-1	102.32409		PCB1016_5
5.759	VV	561.53314	1.74475e-1	97.97337		PCB1260_1
5.927	VV	743.89374	1.30403e-1	97.00615		PCB1260_2
6.206	VV	927.62262	1.14883e-1	106.56771		PCB1260_3
6.693	VV	1324.98889	7.63427e-2	101.15317		PCB1260_4
6.891		-	-	-		DBC
6.965	VV	870.44684	1.14817e-1	99.94177		PCB1260_5
7.829	BB	1119.47693	8.34984e-3	9.34745		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:10:50 AM BWS

Print of window 38: Current Chromatogram(s)



BWS 6-17-09

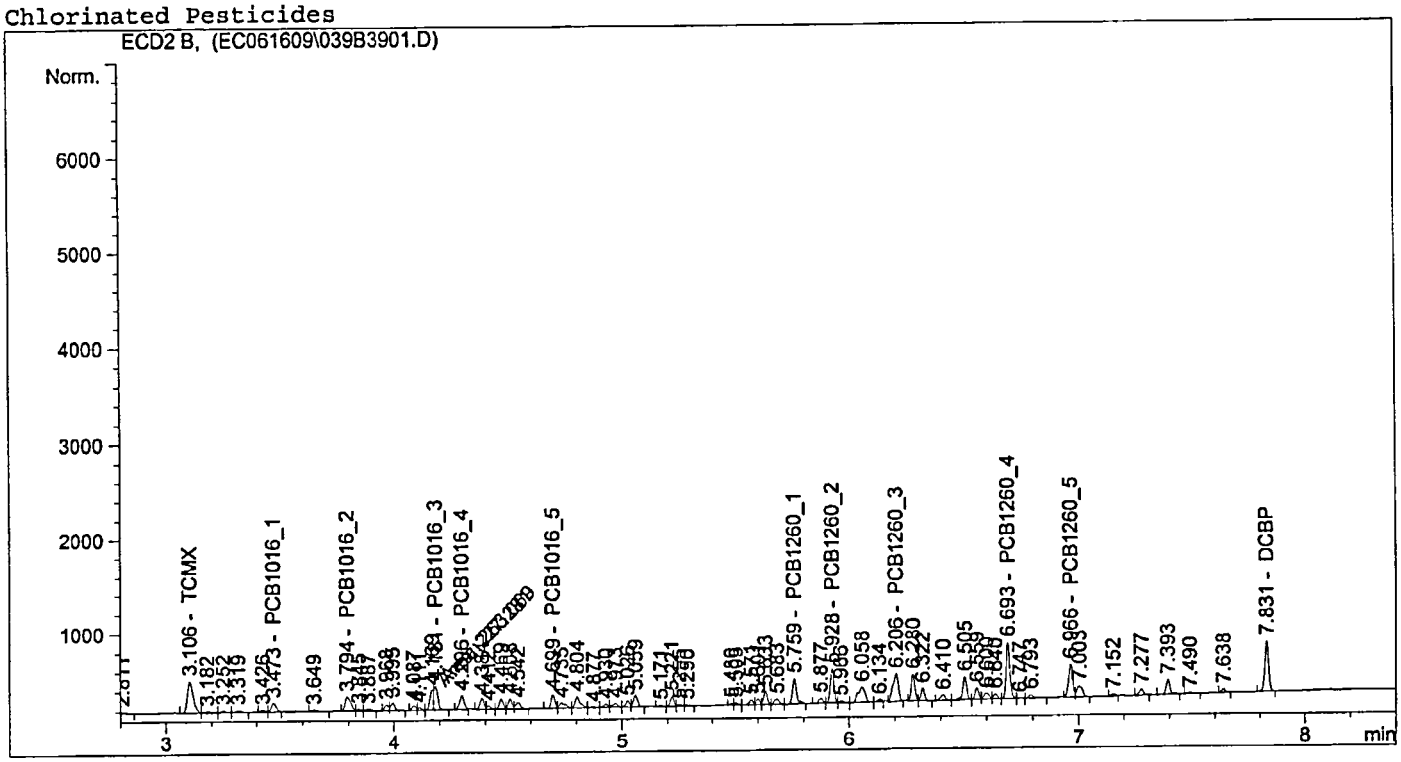
ECD2 6/17/2009 10:10:29 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\039B3901.D

Injection Date	: 6/16/2009 10:50:29 PM	Seq. Line	: 39
Sample Name	: PCB x40 ICAL	Location	: Vial 39
Acq. Operator	: BWS	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/17/2009 10:11:41 AM by BWS
(modified after loading)

Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000

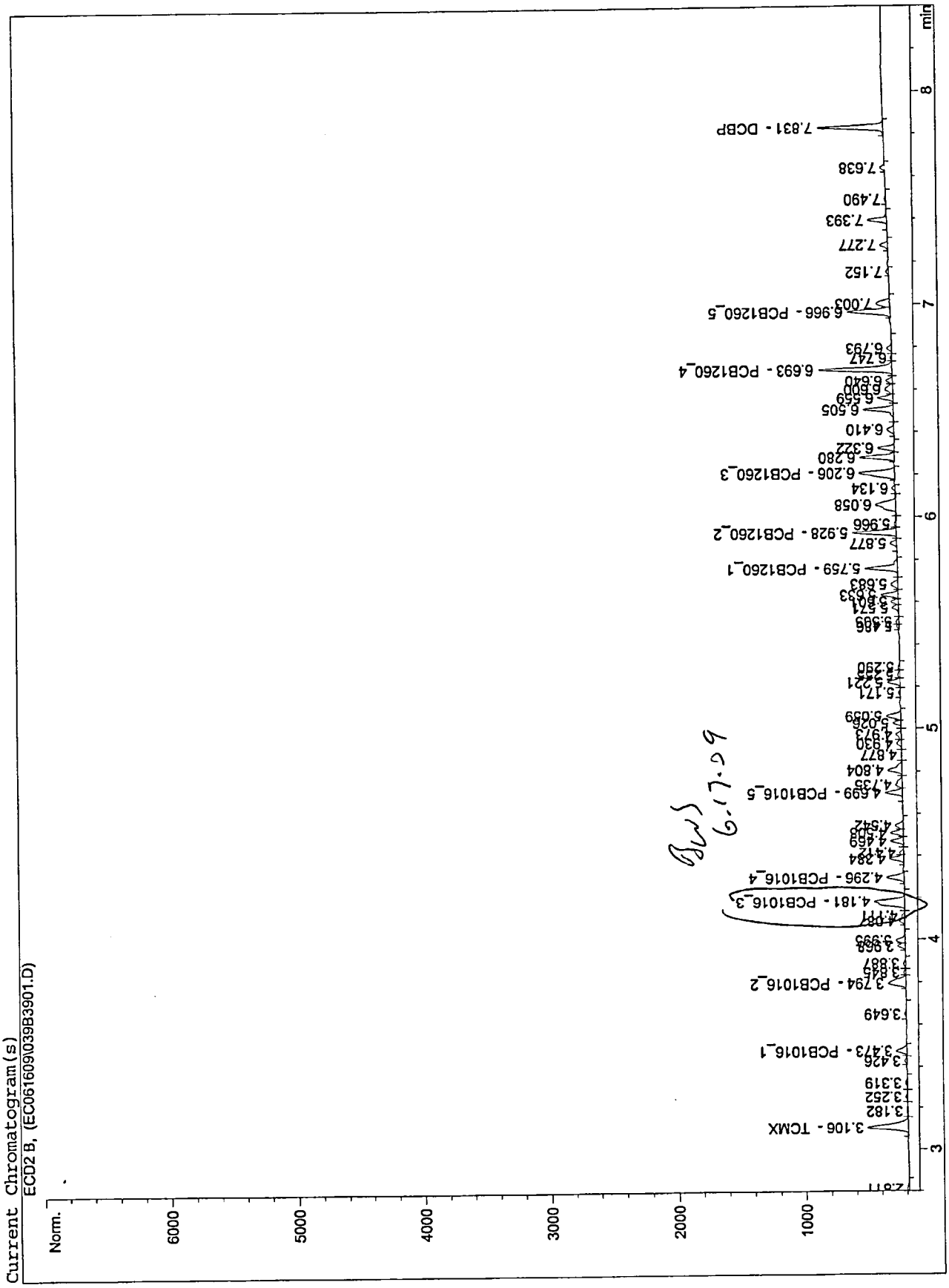
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	548.72662	1.20299e-2	6.60113		TCMX
3.473	VV	121.06745	4.56623e-1	55.28216		PCB1016_1
3.794	BV	251.36978	2.58563e-1	64.99505		PCB1016_2
4.181	FM	263.06857	3.48380e-1	91.64781		PCB1016_3
4.296	BV	195.81090	2.95069e-1	57.77769		PCB1016_4
4.699	VV	160.03806	3.89192e-1	62.28561		PCB1016_5
5.759	VV	317.76819	1.96374e-1	62.40140		PCB1260_1
5.928	VV	382.41440	1.54962e-1	59.25959		PCB1260_2
6.206	VV	472.35635	1.46152e-1	69.03575		PCB1260_3
6.693	VV	666.49261	9.75963e-2	65.04720		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	445.24323	1.44457e-1	64.31850		PCB1260_5
7.831	BB	608.79004	1.07789e-2	6.56211		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:11:41 AM BWS

Print of window 38: Current Chromatogram(s)



ECD2 6/17/2009 10:11:16 AM BWS

8082 CVS Raw Data

PCB Calibration Verification Summary

Sample ID: CVS-1221-1000
Instrument ID: ECD2

Date: 30-Jun-09 09:11
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1221	1	3.31412	3.28412	3.34412	1009.650528	1012.406439	-1.24
	2	3.42104	3.39104	3.45104	1027.301512		
	3	3.46898	3.43898	3.49898	1000.267276		
	4						
	5						
	1						
	2						
	3						
	4						
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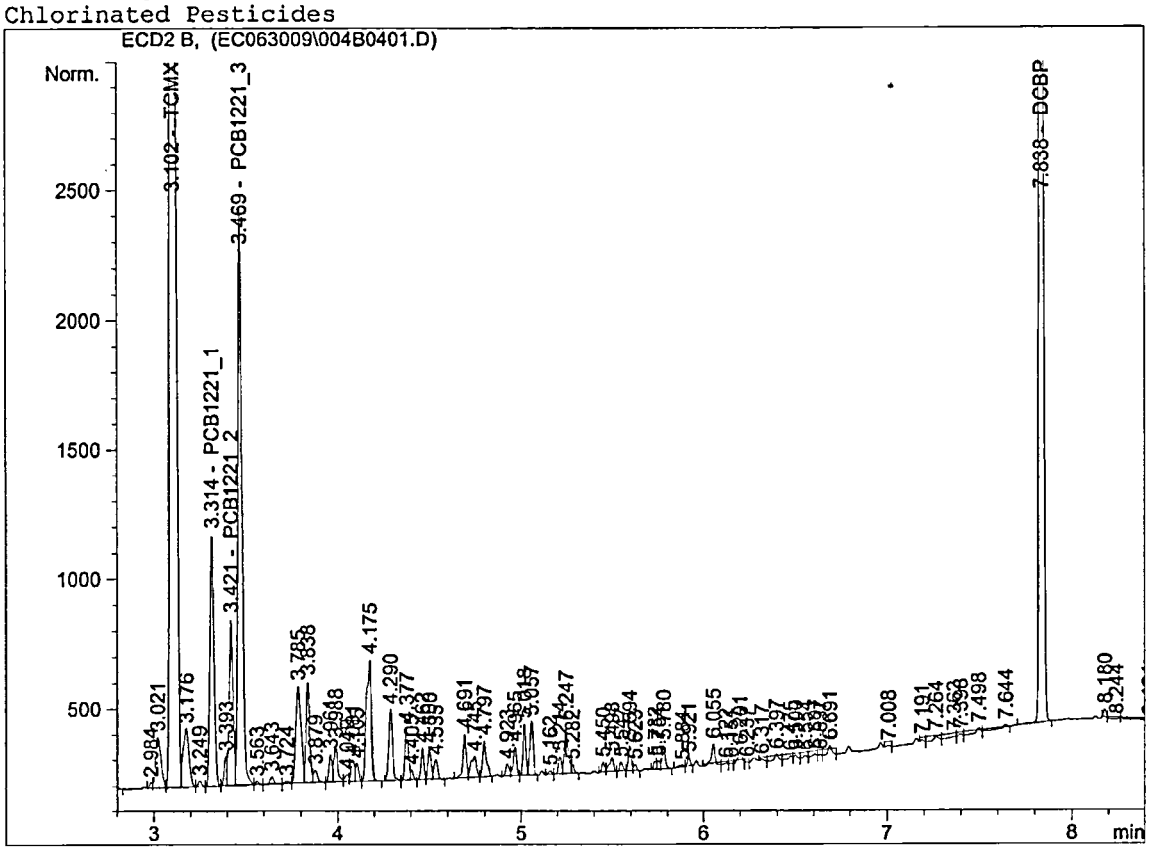
==================================================================
Injection Date  : 6/30/2009 9:11:59 AM          Seq. Line :   4
Sample Name     : cvs-1221-1000                  Location : Vial 4
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/22/2009 9:37:20 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.102	VV	1.45116e4	6.88866e-3	99.96548		TCMX
3.314	VV	1426.53418	7.07765e-1	1009.65053		PCB1221_1
3.421	VV	931.87036	1.10241	1027.30151		PCB1221_2
3.469	VV	3385.23682	2.95479e-1	1000.26728		PCB1221_3
6.890		-	-	-		DBC
7.838	BB	1.38269e4	6.86509e-3	94.92319		DCBP

BWS
6-30-09

Totals : 3232.10799

Results obtained with enhanced integrator!

PCB Calibration Verification Summary

Sample ID: CVS-1232-1000
Instrument ID: ECD2

Date: 30-Jun-09 09:24
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1232	1	3.469	3.439	3.499	998.9722492	982.7101542	1.73
	2	3.78905	3.75905	3.81905	968.189671		
	3	4.17416	4.14416	4.20416	976.7845973		
	4	4.69107	4.66107	4.72107	984.3698907		
	5	5.05771	5.02771	5.08771	985.234363		
	1						
	2						
	3						
	4						
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	4						
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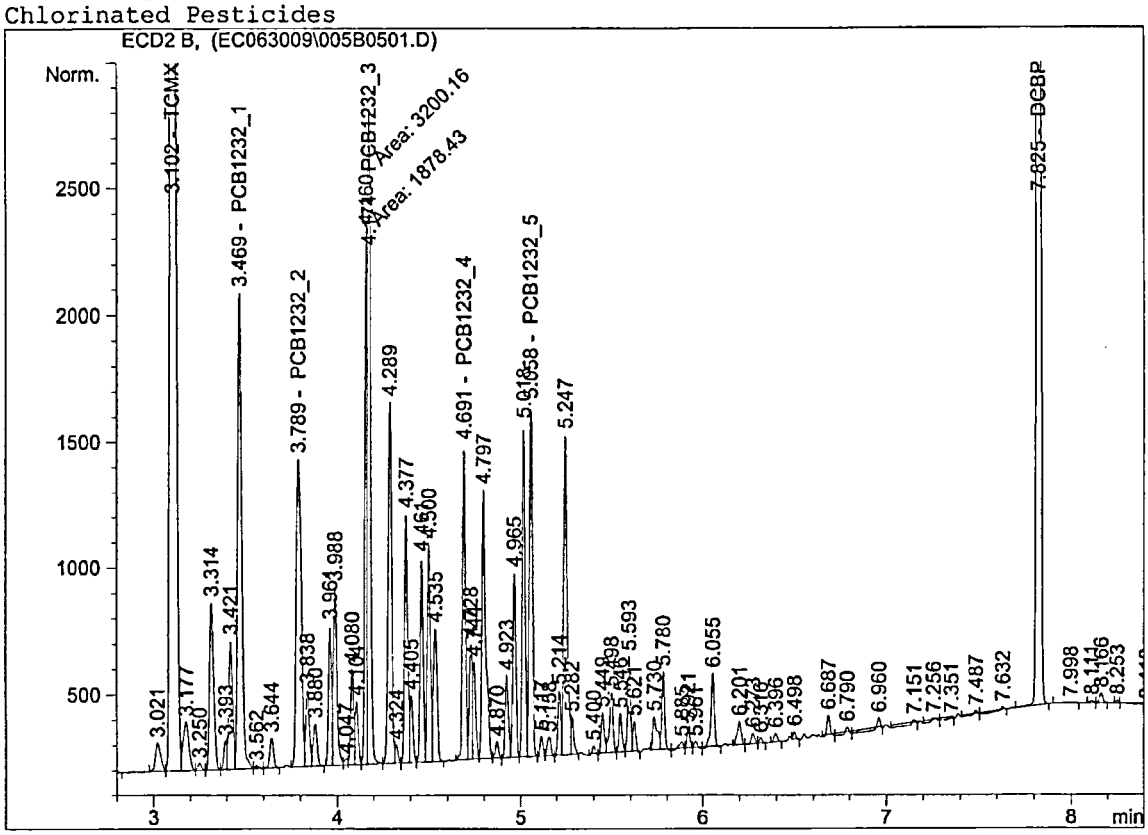
Injection Date	: 6/30/2009 9:24:52 AM	Seq. Line :	5
Sample Name	: cvs-1232-1000	Location :	Vial 5
Acq. Operator	: BWS	Inj :	1
Acq. Instrument	: ECD2	Inj Volume :	1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1232R.M		
Last changed	: 6/22/2009 9:38:06 AM by BWS		

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:24:59 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

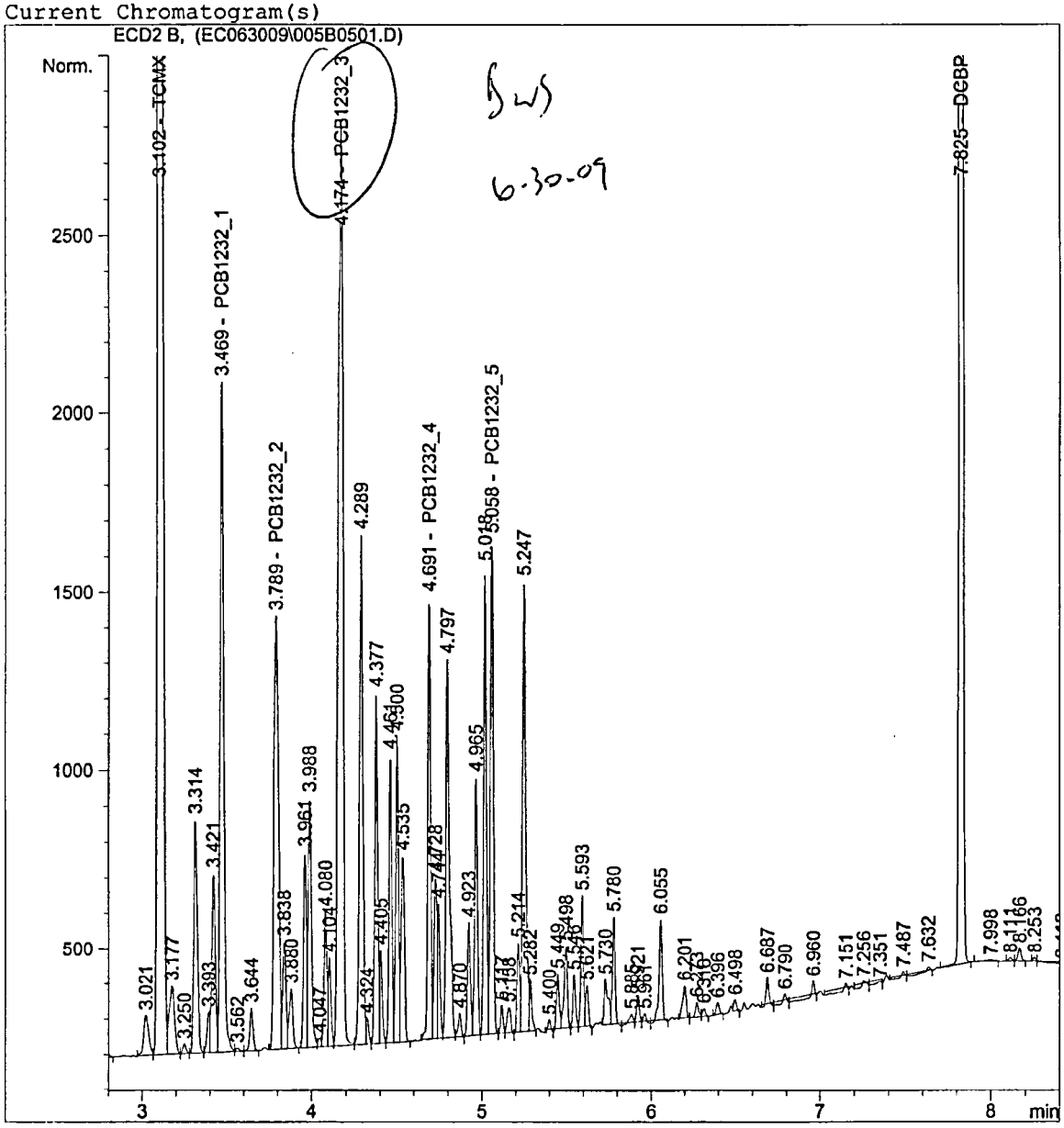
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.102	VV	1.46491e4	6.79444e-3	99.53211		TCMX
3.469	VV	2834.36255	3.52450e-1	998.97225		PCB1232_1
3.789	VV	2267.71777	4.26945e-1	968.18967		PCB1232_2
4.174	FM	3200.15918	3.05230e-1	976.78460		PCB1232_3
4.691	PV	1399.23010	7.03508e-1	984.36989		PCB1232_4
5.058	VV	1665.61096	5.91515e-1	985.23436		PCB1232_5
6.889		-	-	-		DBC
7.825	BB	1.42131e4	6.80399e-3	96.70582		DCBP
Totals :				5109.78870		

BWS
6.30.09

SGS North America, Inc.

ECD2 B, (EC063009\005B0501.D)



PCB Calibration Verification Summary

Sample ID: CVS-1242-1000
Instrument ID: ECD2
Date: 30-Jun-09 09:37
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1242	1	3.46895	3.43895	3.49895	1153.237716	1131.927198	-13.2
	2	3.78989	3.75989	3.81989	1128.191863		
	3	4.17457	4.14457	4.20457	1094.876723		
	4	4.6911	4.6611	4.7211	1138.59597		
	5	5.05781	5.02781	5.08781	1144.733716		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
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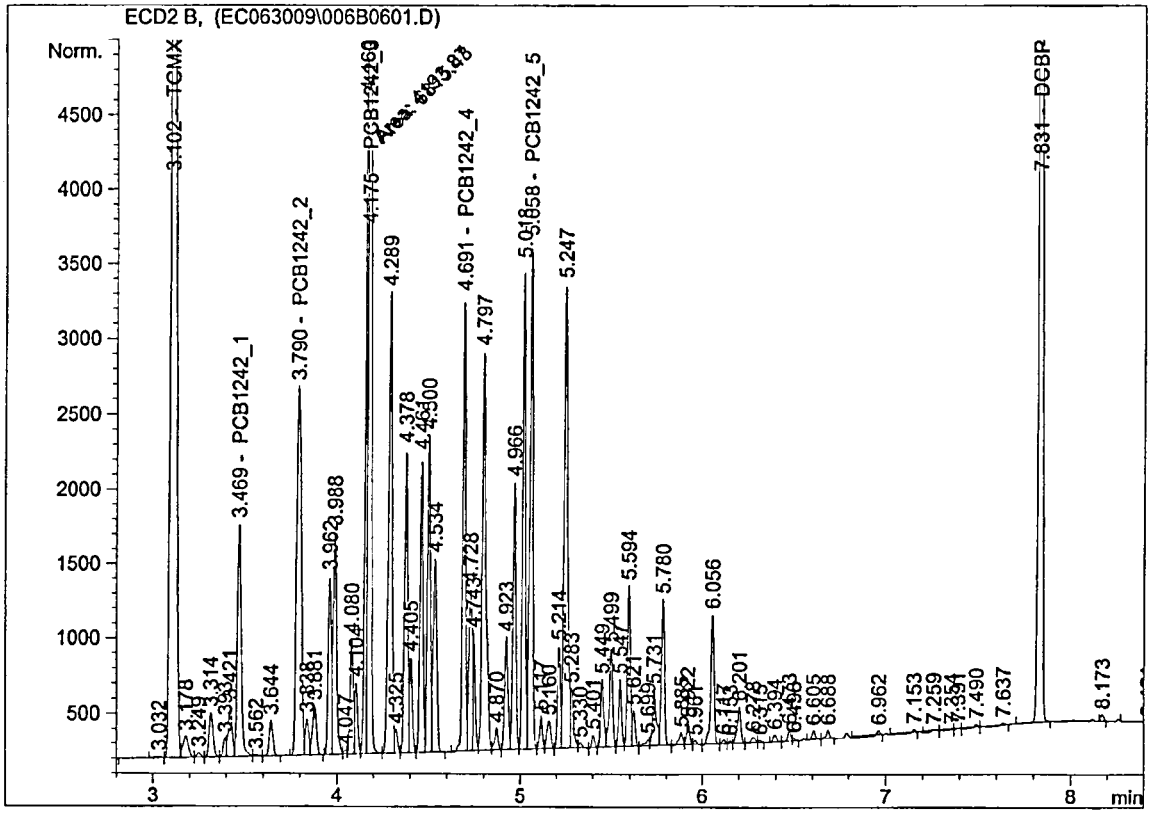
==================================================================
Injection Date  : 6/30/2009 9:37:53 AM          Seq. Line :   6
Sample Name     : cvs-1242-1000                  Location : Vial 6
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/22/2009 9:38:47 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

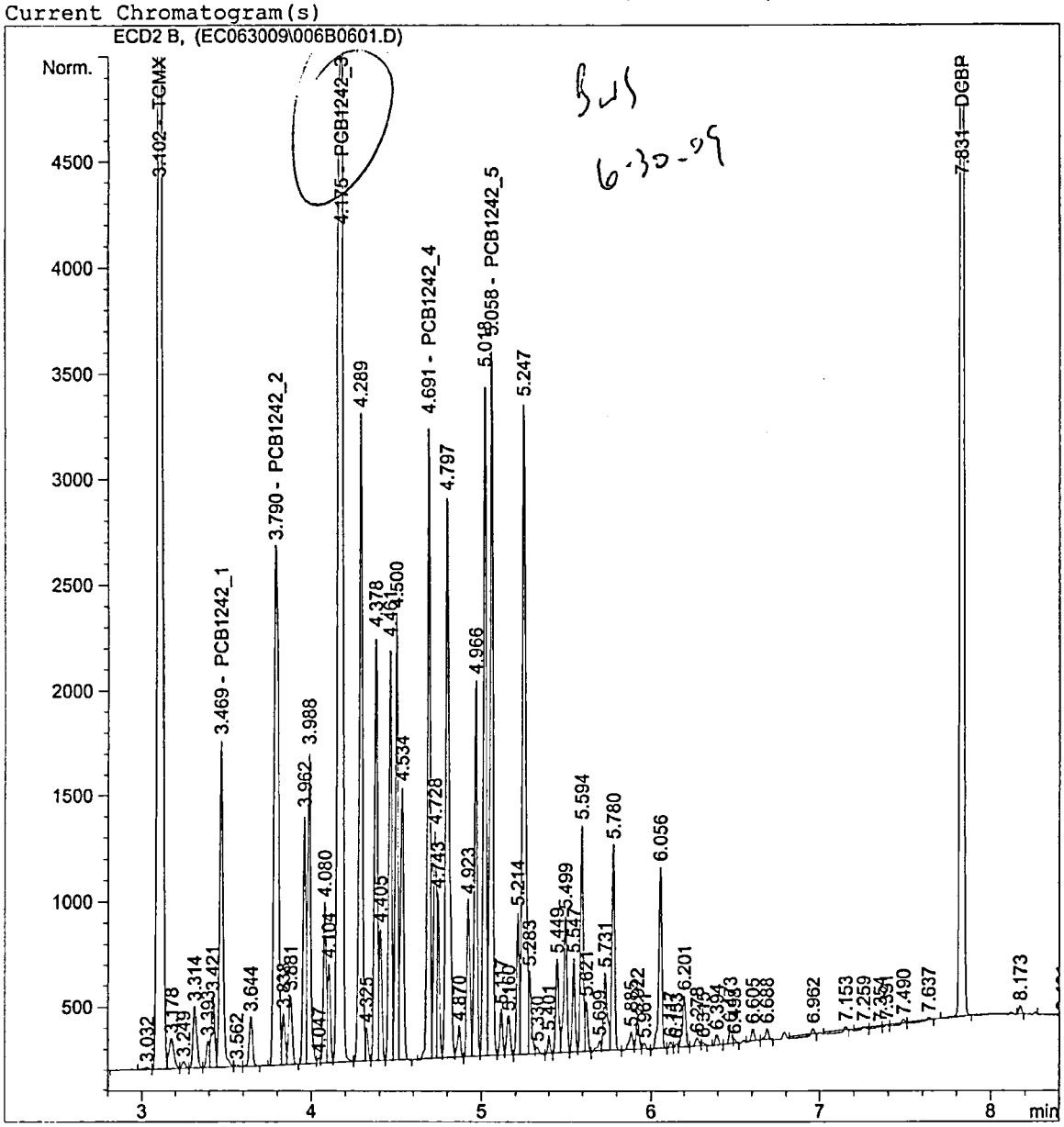
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.102	VV	1.65060e4	6.94200e-3	114.58472		TCMX
3.469	VV	2295.39600	5.02413e-1	1153.23772		PCB1242_1
3.790	VV	4503.98047	2.50488e-1	1128.19186		PCB1242_2
4.175	FM	6815.42822	1.60647e-1	1094.87672		PCB1242_3
4.691	VV	3346.52271	3.40233e-1	1138.59597		PCB1242_4
5.058	VV	4063.21411	2.81731e-1	1144.73372		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	1.61596e4	6.99234e-3	112.99353		DCBP

Totals : 5887.21424

BWS
6-30-09

SGS North America, Inc.



BJ
6-30-09

PCB Calibration Verification Summary

Sample ID: CVS-1248-1000
Instrument ID: ECD2

Date: 30-Jun-09 09:50
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1248	1	4.46163	4.43163	4.49163	1072.459254	1063.486215	-6.35
	2	4.69137	4.66137	4.72137	1057.641879		
	3	5.05752	5.02752	5.08752	1073.710383		
	4	5.2471	5.2171	5.2771	1058.688505		
	5	5.59349	5.56349	5.62349	1054.931056		
	1						
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	3						
	4						
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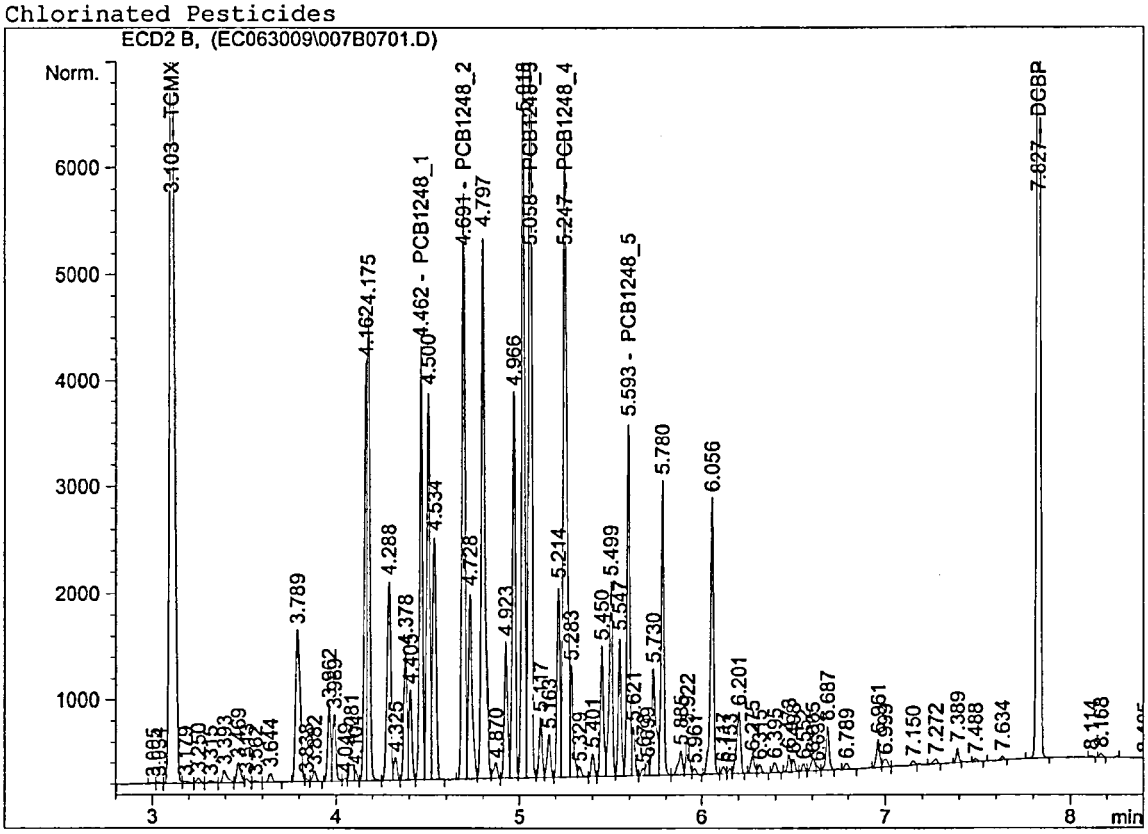
```
==================================================================
Injection Date  : 6/30/2009 9:50:46 AM          Seq. Line :   7
Sample Name     : cvs-1248-1000                  Location : Vial 7
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC062909\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.103	VV	1.56569e4	6.76086e-3	105.85406		TCMX
4.462	VV	4585.72412	2.33869e-1	1072.45925		PCB1248_1
4.691	VV	6035.47559	1.75238e-1	1057.64188		PCB1248_2
5.058	VV	8932.68359	1.20200e-1	1073.71038		PCB1248_3
5.247	VV	8758.20898	1.20880e-1	1058.68850		PCB1248_4
5.593	VV	3616.95850	2.91662e-1	1054.93106		PCB1248_5
6.887		-	-	-		DBC
7.827	BB	1.53852e4	6.81069e-3	104.78361		DCBP

BWS
6-30-09

Totals : 5528.06875

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 30-Jun-09 12:25
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.0545	5.0245	5.0845	1012.169115	1042.728583	-4.27
	2	5.21667	5.18667	5.24667	1110.226219		
	3	5.59576	5.56576	5.62576	1011.90774		
	4	5.7814	5.7514	5.8114	1006.726666		
	5	6.2021	6.1721	6.2321	1072.613177		
	1						
	2						
	3						
	4						
	5						
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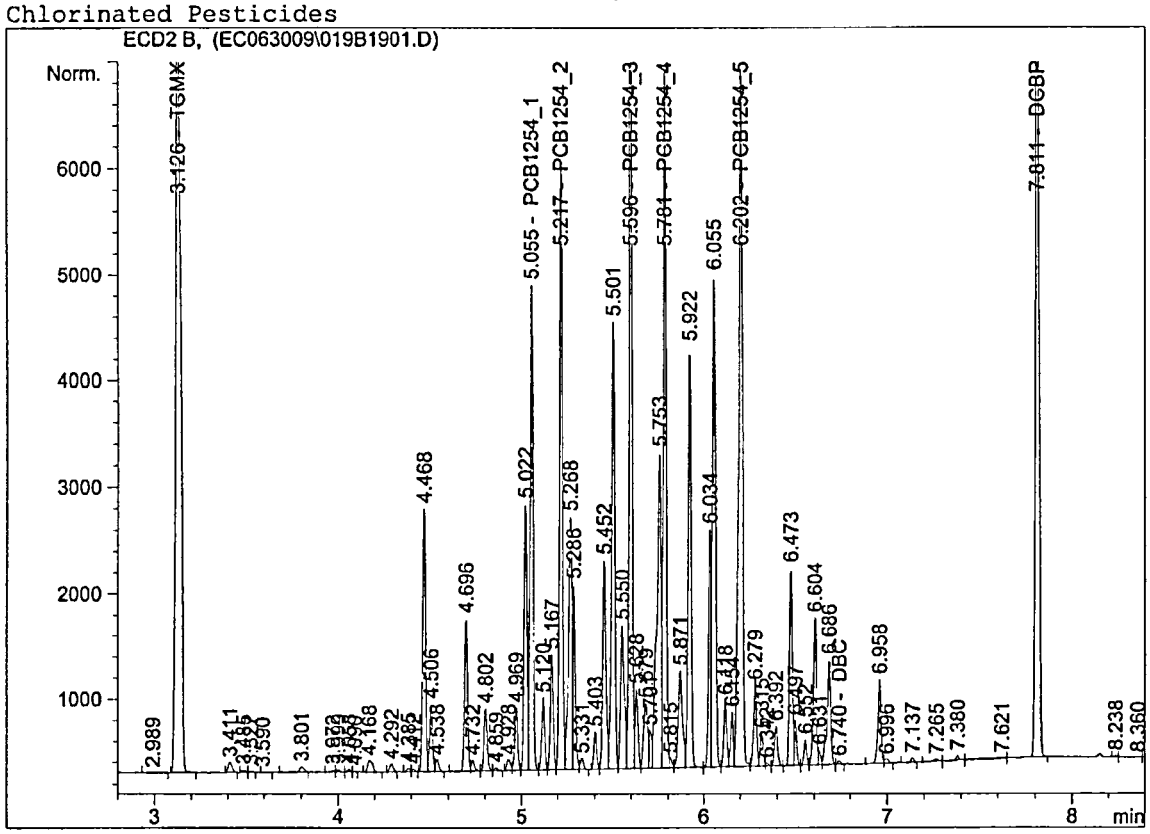
==========

Injection Date : 6/30/2009 12:25:10 PM Seq. Line : 19
Sample Name : cvs-1254-1000 Location : Vial 19
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC063009\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.126	BP	1.40290e4	7.16885e-3	100.57191		TCMX
5.055	VV	5364.86328	1.88666e-1	1012.16911		PCB1254_1
5.217	VV	6214.04492	1.78664e-1	1110.22622		PCB1254_2
5.596	VV	9024.34668	1.12131e-1	1011.90774		PCB1254_3
5.781	VV	7206.71191	1.39693e-1	1006.72667		PCB1254_4
6.202	VV	9494.93750	1.12967e-1	1072.61318		PCB1254_5
6.740	VV	37.23574	0.00000	0.00000		DBC
7.811	VB	1.35005e4	7.12504e-3	96.19195		DCBP

Totals : 5410.40678

BWS
6-30-09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 30-Jun-09 12:37
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1016	1	3.47273	3.44273	3.50273	1037.393835	1031.850631	-3.19
	2	3.79232	3.76232	3.82232	1038.09815		
	3	4.17689	4.14689	4.20689	1014.233329		
	4	4.29132	4.26132	4.32132	1032.513457		
	5	4.69246	4.66246	4.72246	1037.014382		
Aroclor 1260	1	5.75256	5.72256	5.78256	1058.225006	1058.817536	-5.88
	2	5.92155	5.89155	5.95155	1054.997751		
	3	6.20009	6.17009	6.23009	1064.534054		
	4	6.68593	6.65593	6.71593	1061.889364		
	5	6.95662	6.92662	6.98662	1054.441507		
	1						
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	3						
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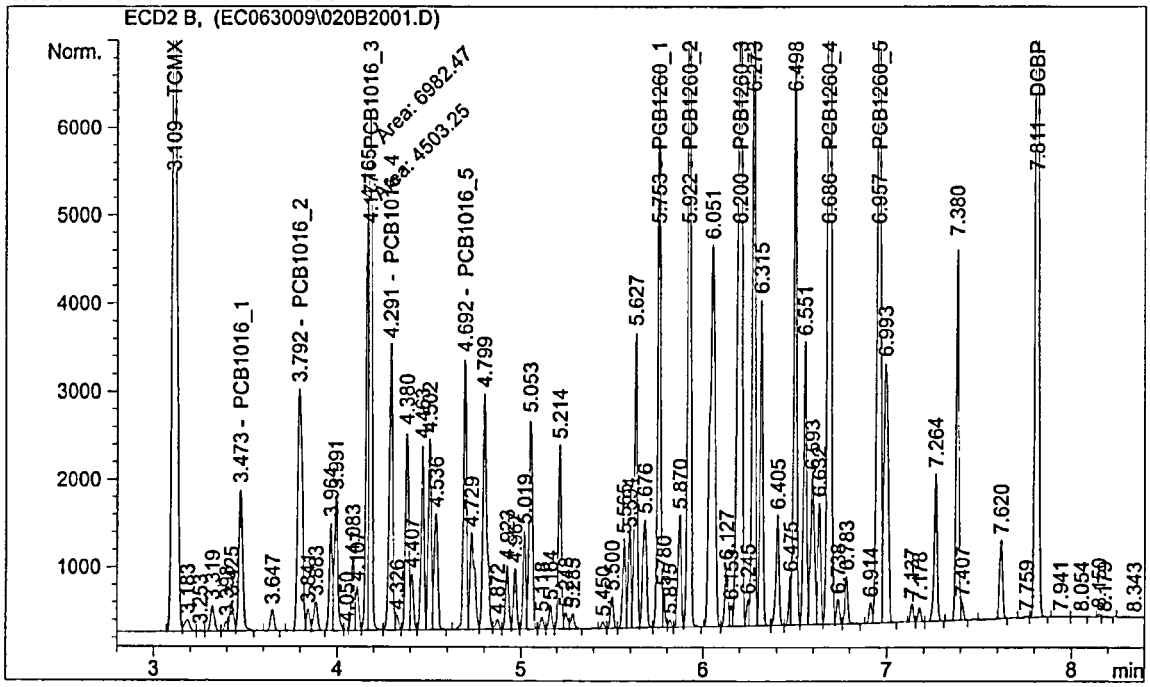
==================================================================
Injection Date  : 6/30/2009 12:37:46 PM          Seq. Line :  20
Sample Name     : cvs-PCB-1000                    Location : Vial 20
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC063009\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:11:39 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

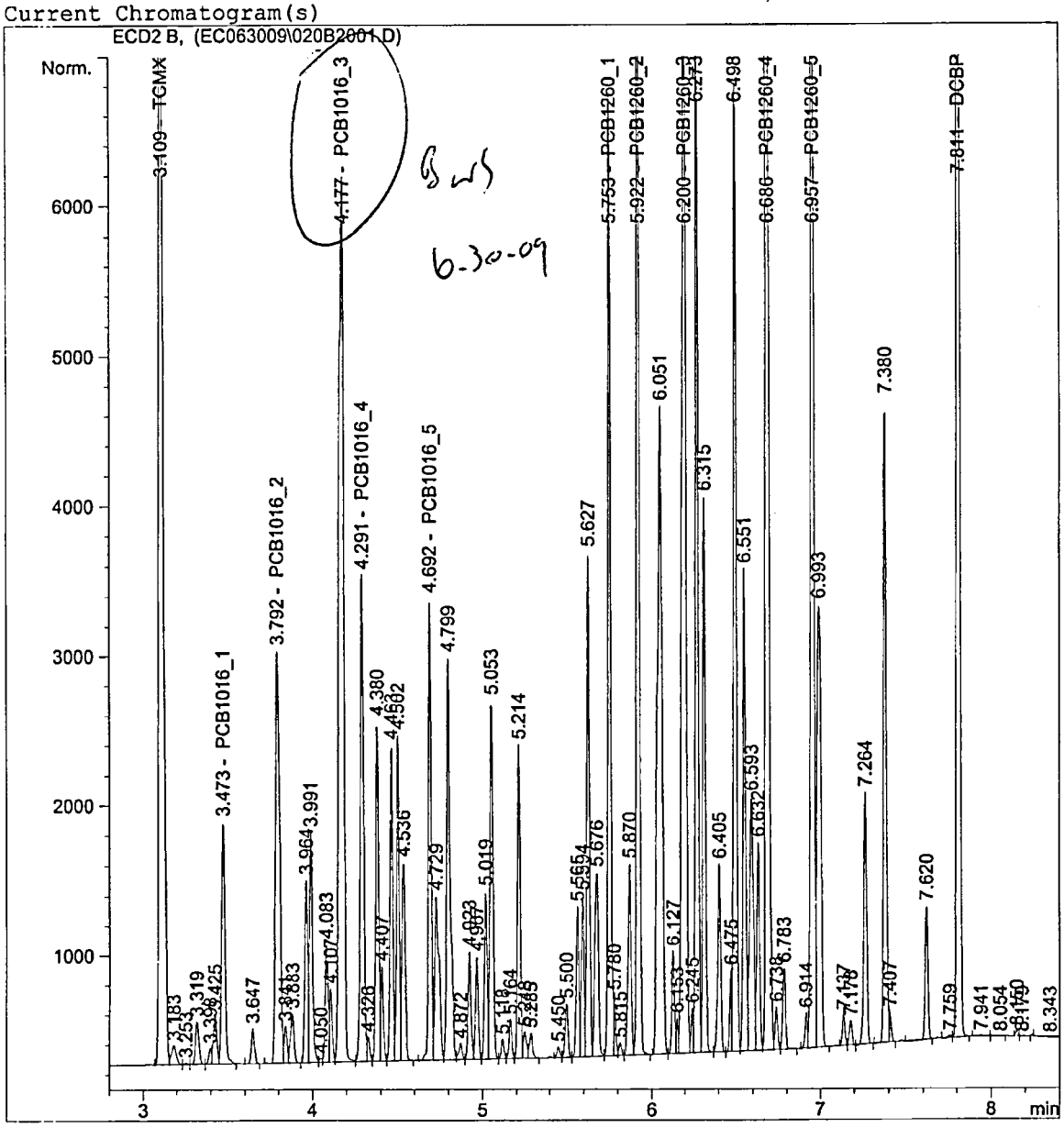
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.109	PV	1.47949e4	6.96546e-3	103.05352		TCMX
3.473	VV	2304.15552	4.50227e-1	1037.39383		PCB1016_1
3.792	BV	4787.97803	2.16813e-1	1038.09815		PCB1016_2
4.177	FM	6982.47070	1.45254e-1	1014.23333		PCB1016_3
4.291	VV	4309.72754	2.39577e-1	1032.51346		PCB1016_4
4.692	VV	3460.67896	2.99656e-1	1037.01438		PCB1016_5
5.753	VV	7070.85693	1.49660e-1	1058.22501		PCB1260_1
5.922	VB	9899.63867	1.06569e-1	1054.99775		PCB1260_2
6.200	VV	1.24568e4	8.54580e-2	1064.53405		PCB1260_3
6.686	VV	1.91474e4	5.54587e-2	1061.88936		PCB1260_4
6.891		-	-	-		DBC
6.957	VV	1.22679e4	8.59509e-2	1054.44151		PCB1260_5
7.811	VB	1.47213e4	7.00758e-3	103.16057		DCBP

Totals : 1.06596e4

BWS
6-30-09

SGS North America, Inc.

ECD2 B, (EC063009\020B2001.D)



PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 30-Jun-09 17:39
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.05446	5.02446	5.08446	982.9174649	1013.731153	-1.37
	2	5.21652	5.18652	5.24652	1075.271541		
	3	5.59569	5.56569	5.62569	983.1380801		
	4	5.78159	5.75159	5.81159	986.20862		
	5	6.20231	6.17231	6.23231	1041.12006		
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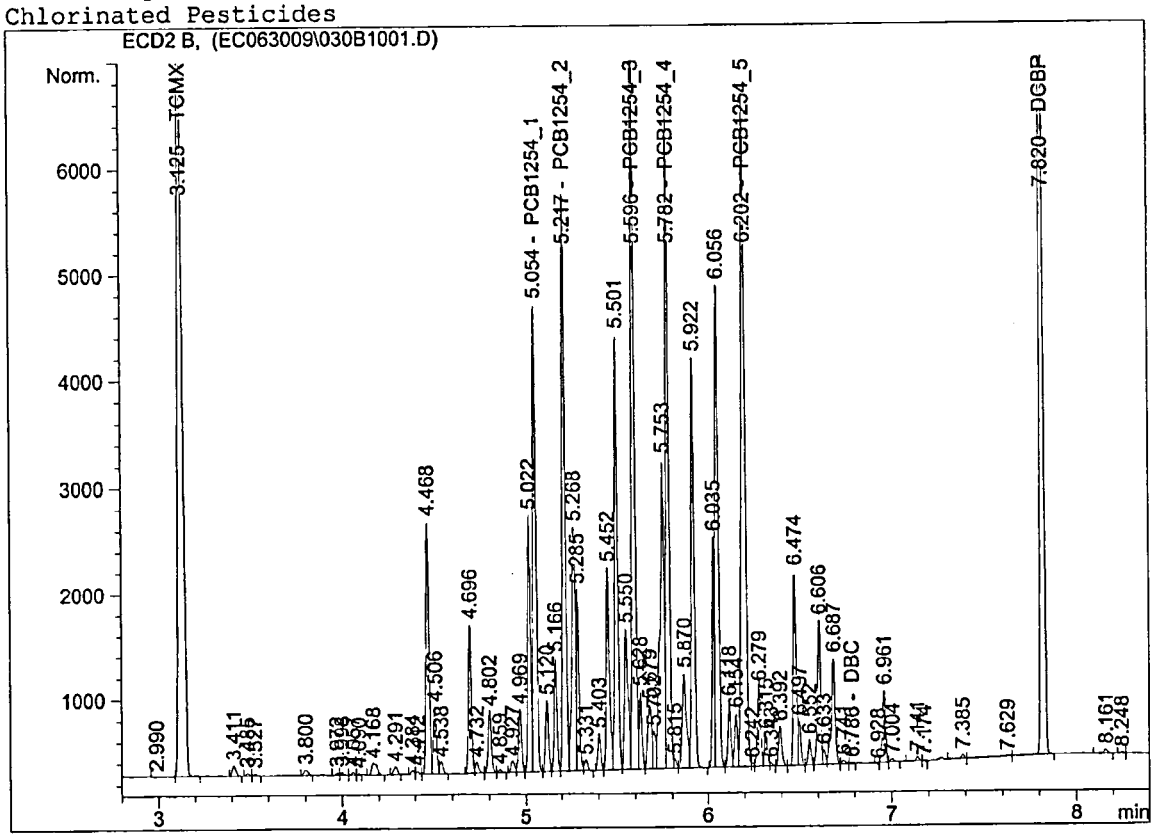
Injection Date : 6/30/2009 5:39:14 PM Seq. Line : 10
Sample Name : cvs-1254-1000 Location : Vial 30
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC063009\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.125	PP	1.35631e4	7.17524e-3	97.31848		TCMX
5.054	VV	5207.90527	1.88736e-1	982.91746		PCB1254_1
5.217	VV	6021.00977	1.78587e-1	1075.27154		PCB1254_2
5.596	VV	8762.30371	1.12201e-1	983.13808		PCB1254_3
5.782	VV	7057.63965	1.39736e-1	986.20862		PCB1254_4
6.202	VV	9214.92773	1.12982e-1	1041.12006		PCB1254_5
6.786	VV	11.04111	0.00000	0.00000		DBC
7.820	VB	1.32736e4	7.12789e-3	94.61298		DCBP

BWS 7-1-09

Totals : 5260.58723

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2
Date: 30-Jun-09 17:52
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1016	1	3.47341	3.44341	3.50341	1050.480231	1062.790399	-6.28
	2	3.79308	3.76308	3.82308	1048.285546		
	3	4.17717	4.14717	4.20717	1116.192868		
	4	4.29147	4.26147	4.32147	1046.233543		
	5	4.69312	4.66312	4.72312	1052.759805		
Aroclor 1260	1	5.75288	5.72288	5.78288	1068.078747	1067.635313	-6.76
	2	5.92152	5.89152	5.95152	1064.03462		
	3	6.20032	6.17032	6.23032	1074.668818		
	4	6.68738	6.65738	6.71738	1068.644276		
	5	6.9592	6.9292	6.9892	1062.750103		
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Injection Date  : 6/30/2009 5:52:15 PM          Seq. Line :  11
Sample Name     : cvs-PCB-1000                   Location : Vial 31
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC063009\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides
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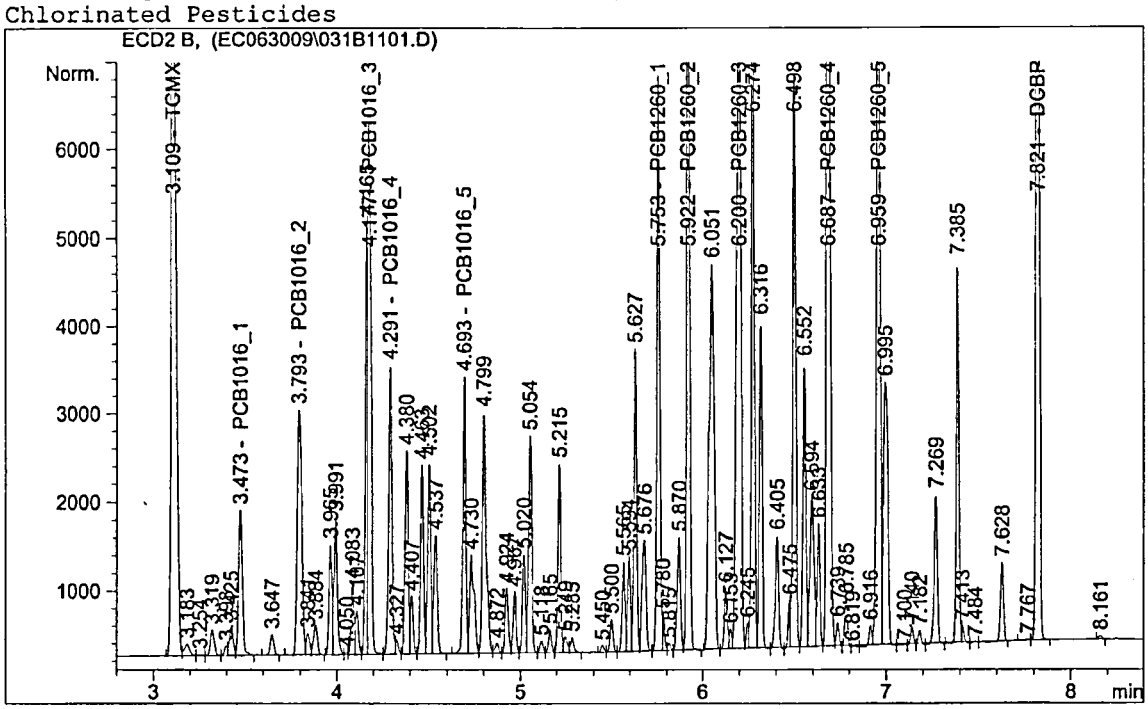

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External Standard Report

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Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:11:39 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.109	VV	1.49516e4	6.96342e-3	104.11441		TCMX
3.473	VV	2333.24463	4.50223e-1	1050.48023		PCB1016_1
3.793	BV	4835.47168	2.16791e-1	1048.28555		PCB1016_2
4.177	VV	7725.06543	1.44490e-1	1116.19287		PCB1016_3
4.291	VV	4367.63379	2.39542e-1	1046.23354		PCB1016_4
4.693	VV	3513.99634	2.99590e-1	1052.75981		PCB1016_5
5.753	VV	7137.67920	1.49640e-1	1068.07875		PCB1260_1
5.922	VB	9986.01270	1.06553e-1	1064.03462		PCB1260_2
6.200	VV	1.25788e4	8.54348e-2	1074.66882		PCB1260_3
6.687	VV	1.92726e4	5.54488e-2	1068.64428		PCB1260_4
6.891		-	-	-		DBC
6.959	VV	1.23672e4	8.59333e-2	1062.75010		PCB1260_5
7.821	VB	1.48698e4	7.00595e-3	104.17711		DCBP

Totals : 1.08604e4

BWS
7-1-09

PCB Calibration Verification Summary

Sample ID: CVS-1221-1000
Instrument ID: ECD2

Date: 01-Jul-09 09:09
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window				
Compound	Peak	RT	From	To	Concentration	Mean Concentration	%D
Aroclor 1221	1	3.31348	3.28348	3.34348	1029.735635	1028.825778	-2.88
	2	3.41995	3.38995	3.44995	1040.021996		
	3	3.4678	3.4378	3.4978	1016.719702		
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Injection Date  : 7/1/2009 9:09:45 AM          Seq. Line :   4
Sample Name     : cvs-1221-1000                 Location : Vial 4
Acq. Operator   : BWS                               Inj :   1
Acq. Instrument : ECD2                        Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070109\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/22/2009 9:37:20 AM by BWS
Chlorinated Pesticides
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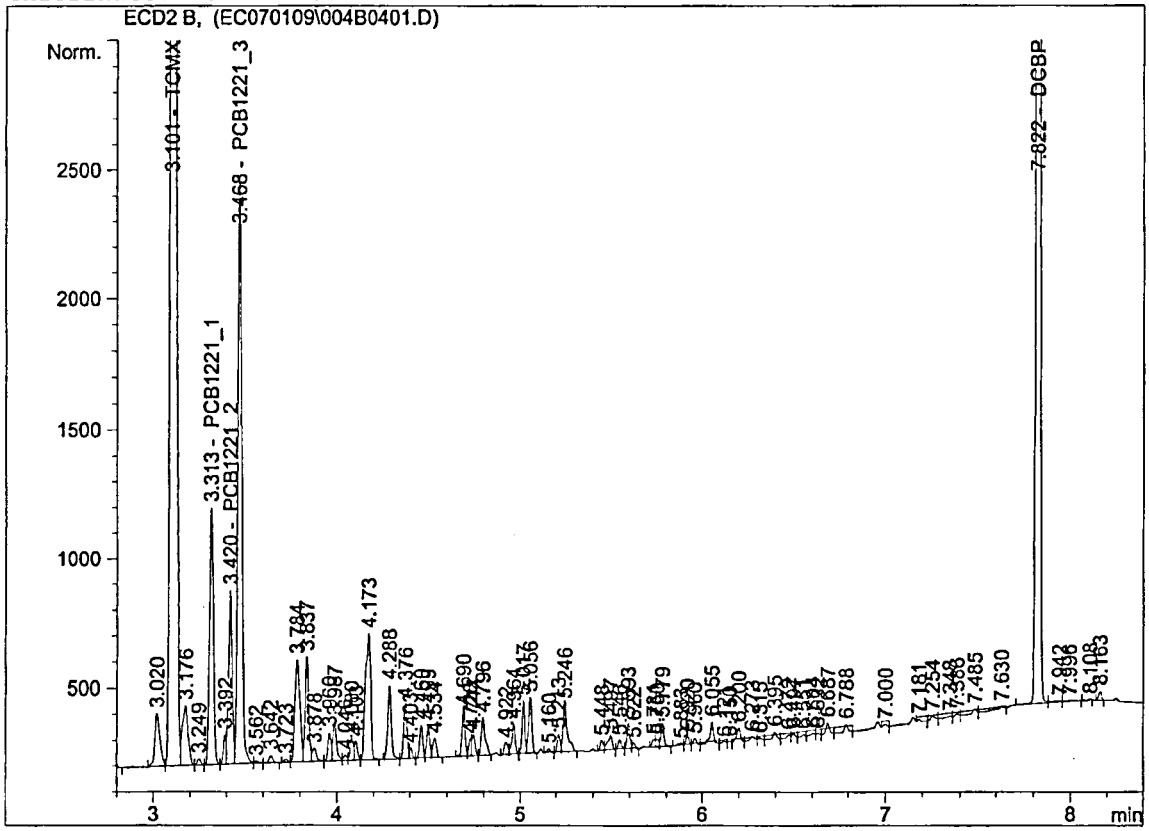


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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.101	VV	1.48304e4	6.88244e-3	102.06959		TCMX
3.313	VV	1455.33179	7.07561e-1	1029.73563		PCB1221_1
3.420	VV	943.39301	1.10243	1040.02200		PCB1221_2
3.468	VV	3441.72705	2.95410e-1	1016.71970		PCB1221_3
6.890		-	-	-		DBC
7.822	BV	1.46817e4	6.84817e-3	100.54310		DCBP

BWS
7-1-09

Totals : 3289.09002

Results obtained with enhanced integrator!

PCB Calibration Verification Summary

Sample ID:	CVS-1232-1000	Date:	01-Jul-09 09:22
Instrument ID:	ECD2	ICAL Reference Date:	6/16/2009
		Column:	Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1232	1	3.46859	3.43859	3.49859	1015.251866	1001.368521	-0.137
	2	3.78816	3.75816	3.81816	982.5992905		
	3	4.17389	4.14389	4.20389	988.6520844		
	4	4.69047	4.66047	4.72047	1009.109134		
	5	5.05719	5.02719	5.08719	1011.230228		
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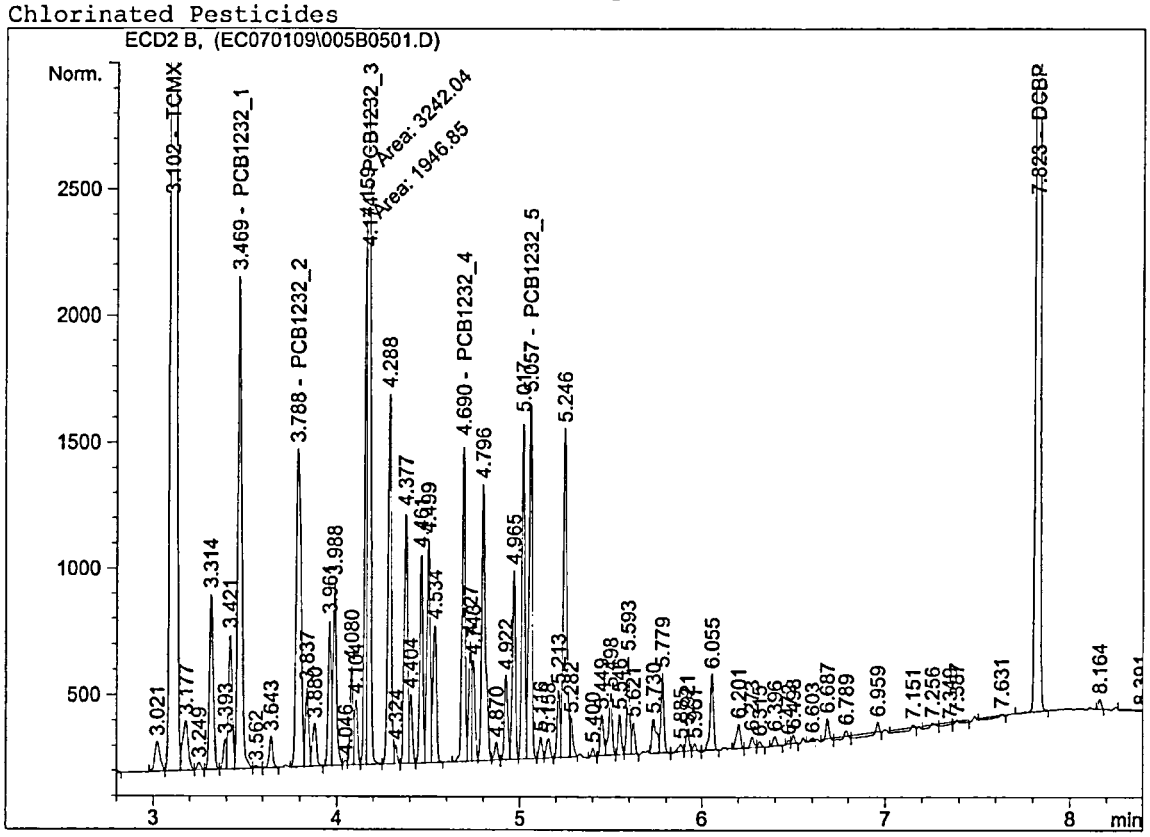
Injection Date	: 7/1/2009 9:22:43 AM	Seq. Line :	5
Sample Name	: cvs-1232-1000	Location :	Vial 5
Acq. Operator	: BWS	Inj :	1
Acq. Instrument	: ECD2	Inj Volume :	1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC070109\PCBMET~1\PCBMET~1\1232R.M		
Last changed	: 6/22/2009 9:38:06 AM by BWS		

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:24:59 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.102	VV	1.49971e4	6.78609e-3	101.77180		TCMX
3.469	VV	2881.85474	3.52291e-1	1015.25187		PCB1232_1
3.788	VV	2302.04736	4.26837e-1	982.59929		PCB1232_2
4.174	FM	3242.03687	3.04948e-1	988.65208		PCB1232_3
4.690	PV	1435.22095	7.03104e-1	1009.10913		PCB1232_4
5.057	VV	1710.46826	5.91201e-1	1011.23023		PCB1232_5
6.889		-	-	-		DBC
7.823	BB	1.47109e4	6.79196e-3	99.91569		DCBP

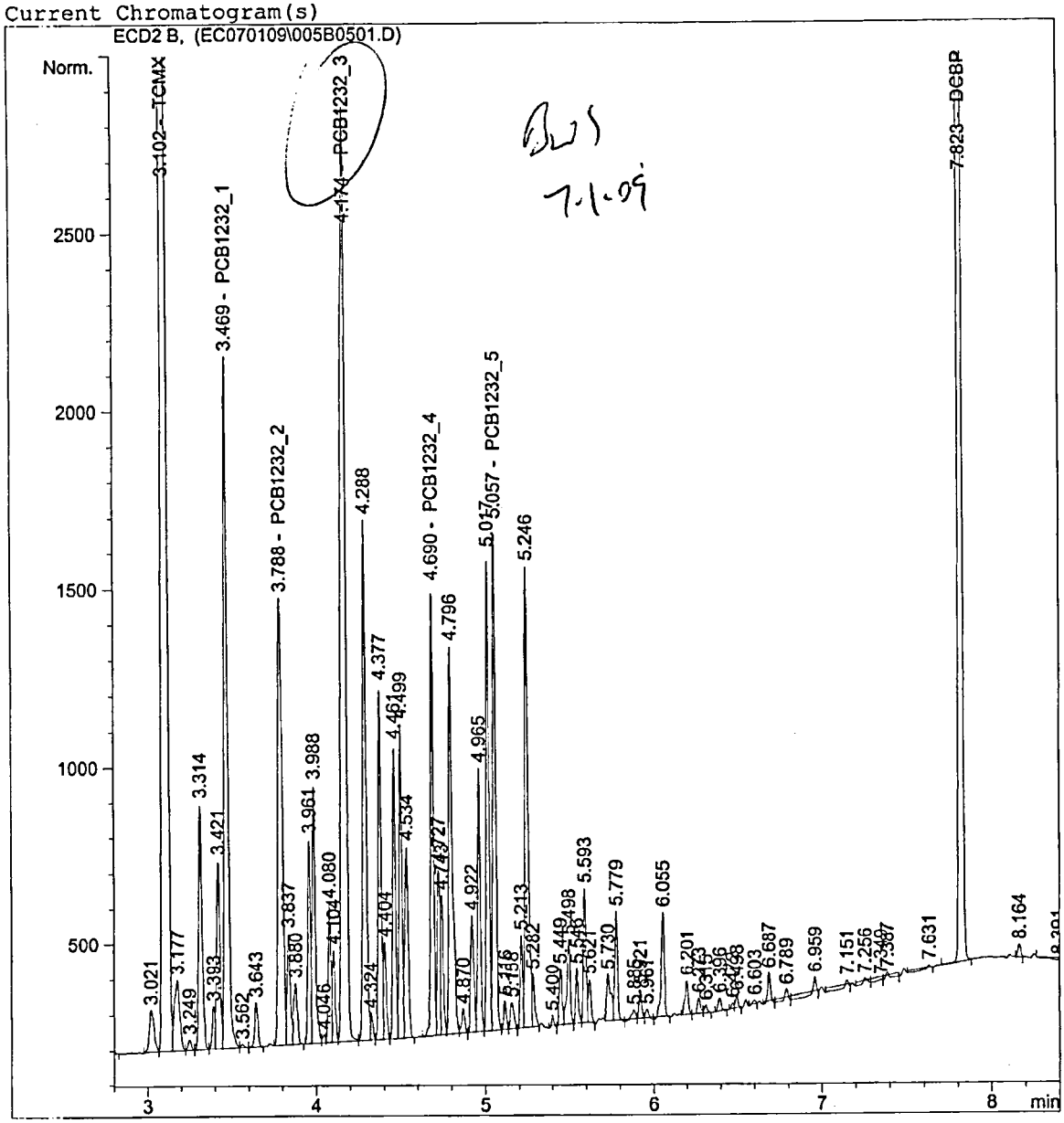
Totals : 5208.53009

BWS 7-1-09

Print of all graphic windows
Current Chromatogram(s)

SGS North America, Inc.

ECD2 B, (EC070109\005B0501.D)



BWS
7-1-09

ECD2 7/1/2009 10:17:52 AM BWS

Page 1 of 1

PCB Calibration Verification Summary

Sample ID: CVS-1242-1000
Instrument ID: ECD2
Date: 01-Jul-09 09:35
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1242	1	3.47037	3.44037	3.50037	1008.881733	1004.936068	-0.494
	2	3.79013	3.76013	3.82013	1041.825188		
	3	4.17526	4.14526	4.20526	960.5544284		
	4	4.69122	4.66122	4.72122	1005.755794		
	5	5.05743	5.02743	5.08743	1007.663196		
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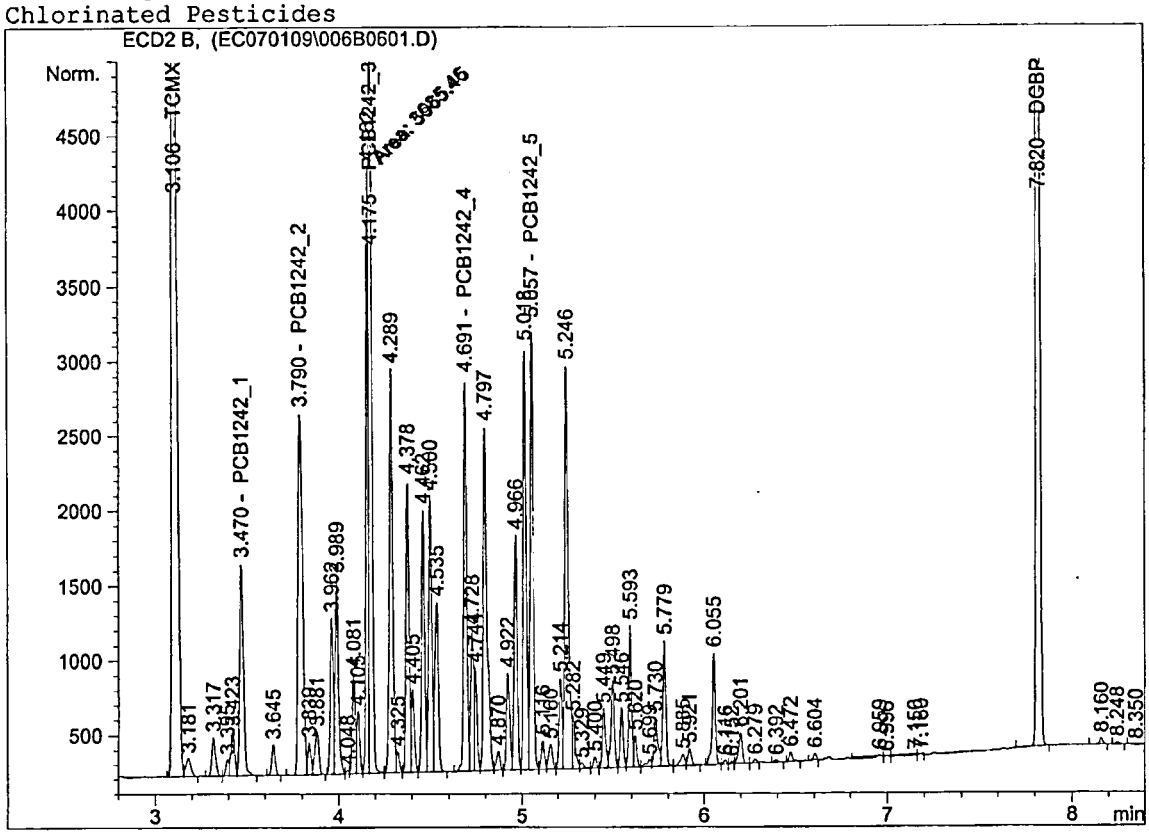
Injection Date : 7/1/2009 9:35:43 AM Seq. Line : 6
Sample Name : cvs-1242-1000 Location : Vial 6
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070109\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/22/2009 9:38:47 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

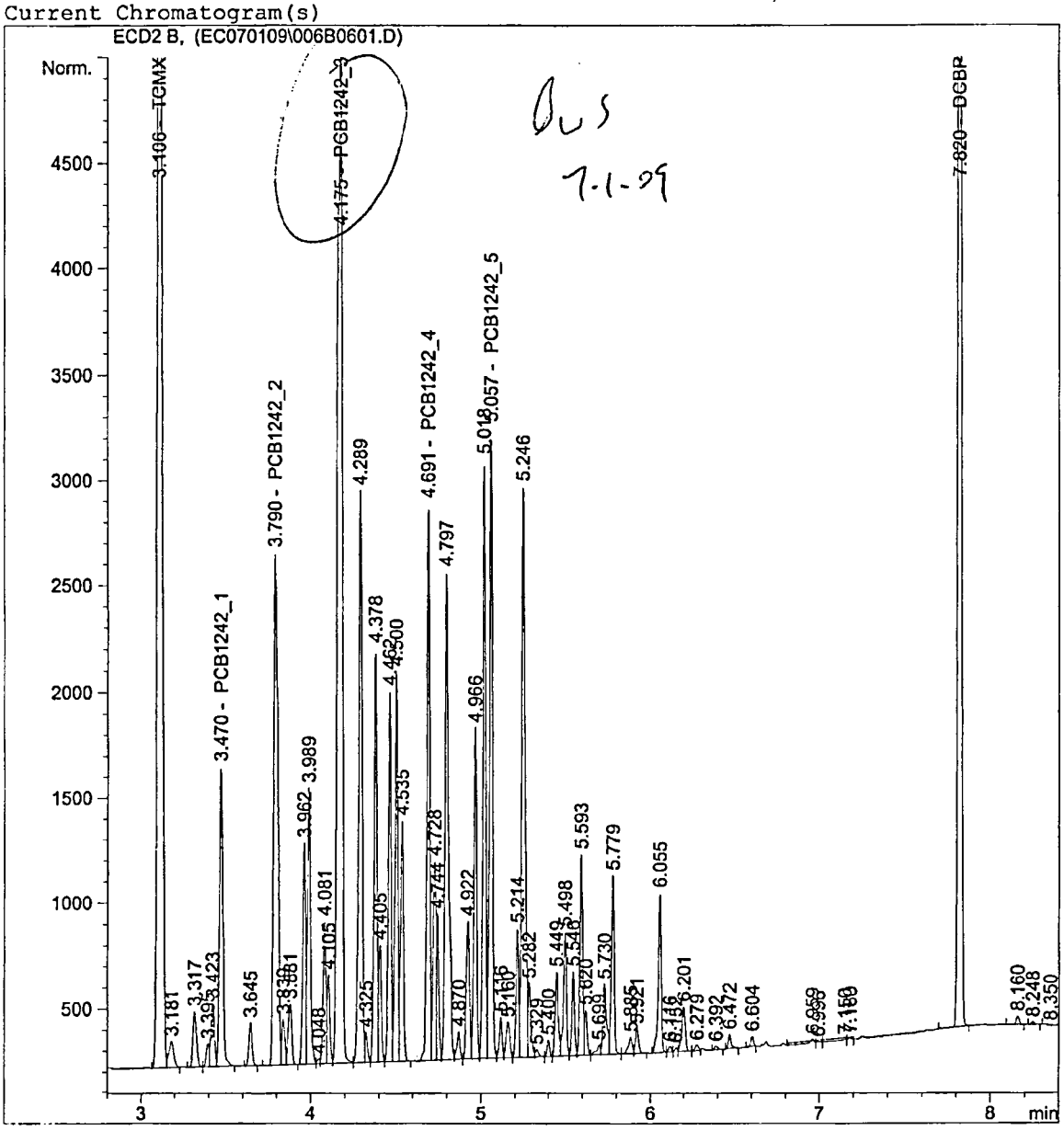
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.44136e4	6.97014e-3	100.46495		TCMX
3.470	VB	2009.49536	5.02057e-1	1008.88173		PCB1242_1
3.790	BV	4161.33887	2.50358e-1	1041.82519		PCB1242_2
4.175	FM	5965.45459	1.61019e-1	960.55443		PCB1242_3
4.691	VV	2952.12183	3.40689e-1	1005.75579		PCB1242_4
5.057	VV	3571.17871	2.82165e-1	1007.66320		PCB1242_5
6.888		-	-	-		DBC
7.820	BB	1.44841e4	7.01217e-3	101.56505		DCBP

Totals : 5226.71034

BWS
7-1-09

SGS North America, Inc.



PCB Calibration Verification Summary

Sample ID: CVS-1248-1000
Instrument ID: ECD2

Date: 01-Jul-09 09:48
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1248	1	4.461	4.431	4.491	1100.575982	1095.226351	-9.52
	2	4.69034	4.66034	4.72034	1084.658477		
	3	5.05659	5.02659	5.08659	1103.335975		
	4	5.24611	5.21611	5.27611	1096.761027		
	5	5.59285	5.56285	5.62285	1090.800295		
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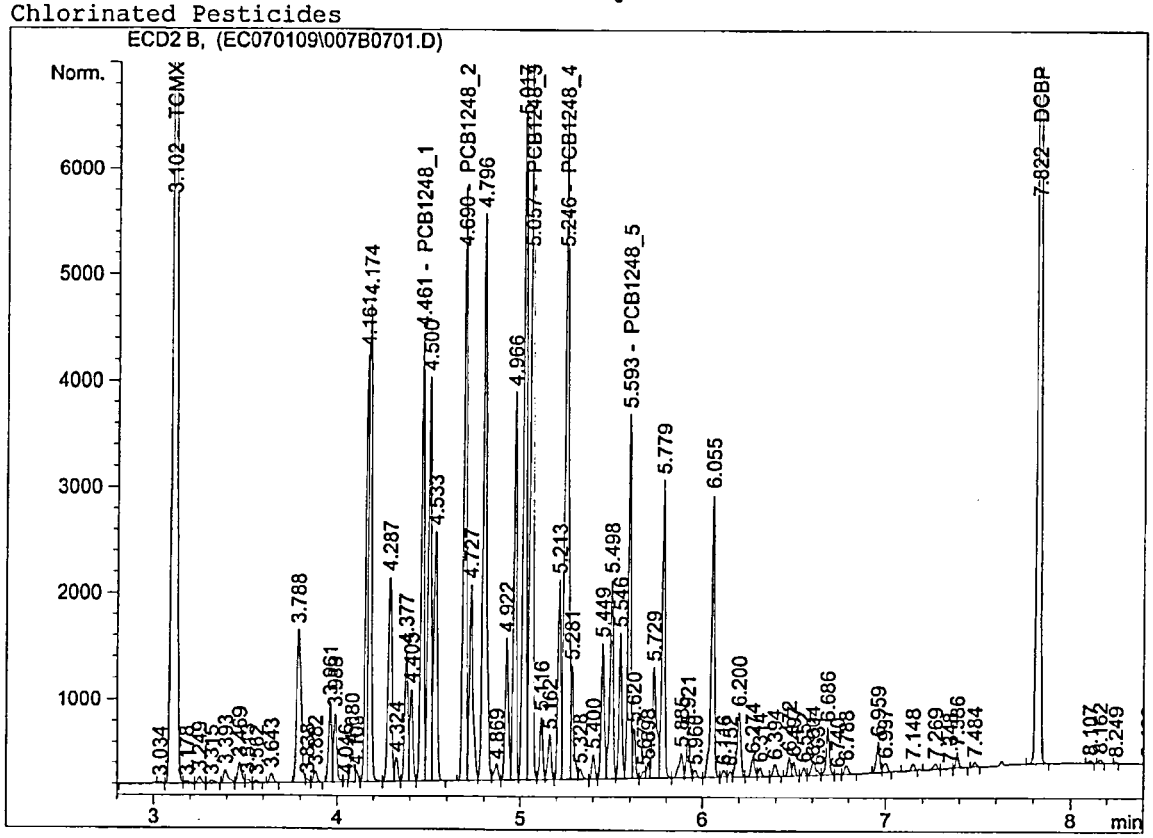
Injection Date  : 7/1/2009 9:48:46 AM          Seq. Line :   7
Sample Name     : cvs-1248-1000                 Location : Vial 7
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070109\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.102	VV	1.60693e4	6.75175e-3	108.49570		TCMX
4.461	VV	4710.34619	2.33651e-1	1100.57598		PCB1248_1
4.690	VV	6196.18408	1.75053e-1	1084.65848		PCB1248_2
5.057	VV	9189.69043	1.20062e-1	1103.33597		PCB1248_3
5.246	VV	9088.60547	1.20674e-1	1096.76103		PCB1248_4
5.593	VV	3745.62891	2.91220e-1	1090.80029		PCB1248_5
6.887		-	-	-		DBC
7.822	BB	1.59484e4	6.79933e-3	108.43861		DCBP

BWS
7-1-09

Totals : 5693.06607

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2
Date: 01-Jul-09 10:01
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.05021	5.02021	5.08021	1013.589792	1009.637022	-0.964
	2	5.21276	5.18276	5.24276	975.8162806		
	3	5.59265	5.56265	5.62265	1021.92585		
	4	5.77849	5.74849	5.80849	1040.12323		
	5	6.20013	6.17013	6.23013	996.7299546		
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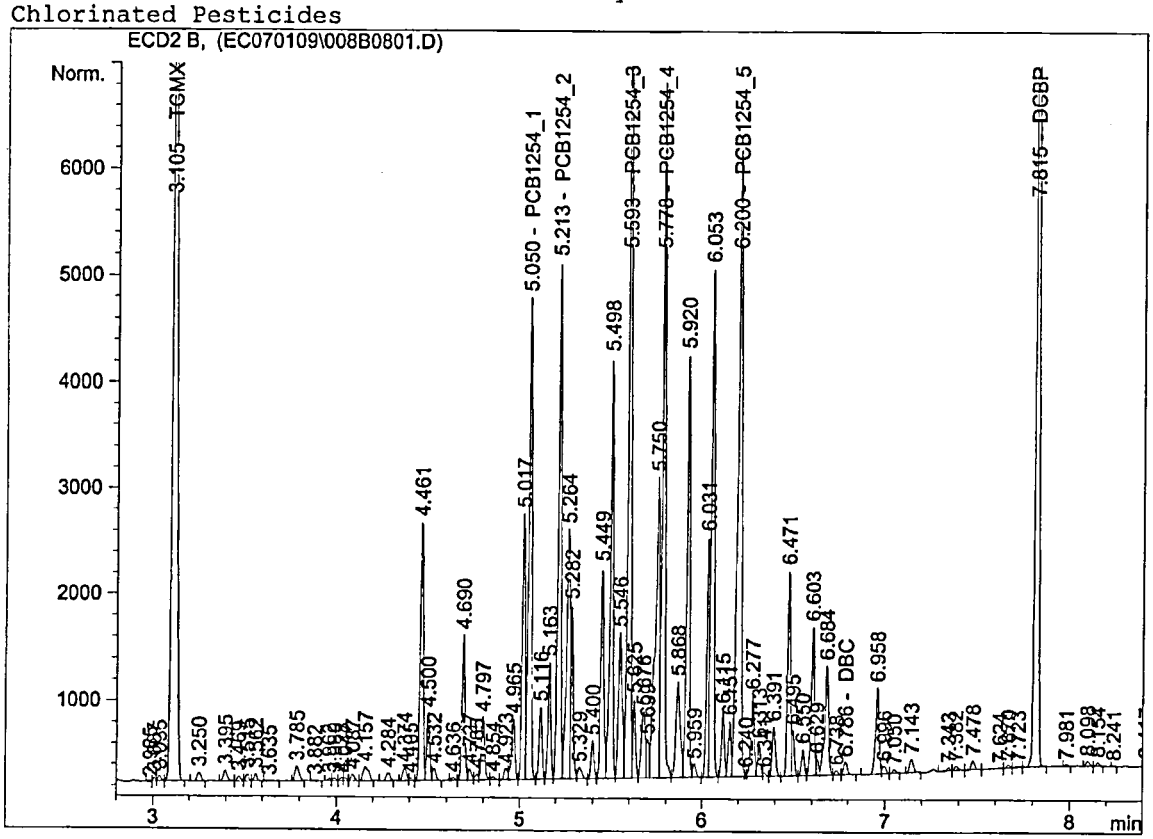
Injection Date	: 7/1/2009 10:01:38 AM	Seq. Line :	8
Sample Name	: cvs-1254-1000	Location :	Vial 8
Acq. Operator	: BWS	Inj :	1
Acq. Instrument	: ECD2	Inj Volume :	1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC070109\PCBMET~1\PCBMET~1\1254R.M		
Last changed	: 6/22/2009 9:39:44 AM by BWS		

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 9:58:58 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.105	VB	1.37865e4	7.17212e-3	98.87850		TCMX
5.050	VV	5372.48633	1.88663e-1	1013.58979		PCB1254_1
5.213	VV	5471.77393	1.78336e-1	975.81628		PCB1254_2
5.593	VV	9115.59473	1.12107e-1	1021.92585		PCB1254_3
5.778	VV	7449.35205	1.39626e-1	1040.12323		PCB1254_4
6.200	VV	8820.24902	1.13005e-1	996.72995		PCB1254_5
6.786	VBA	172.51714	0.00000	0.00000		DBC
7.815	VB	1.42415e4	7.11639e-3	101.34794		DCBP
Totals :				5248.41155		

BWS 7-1-09

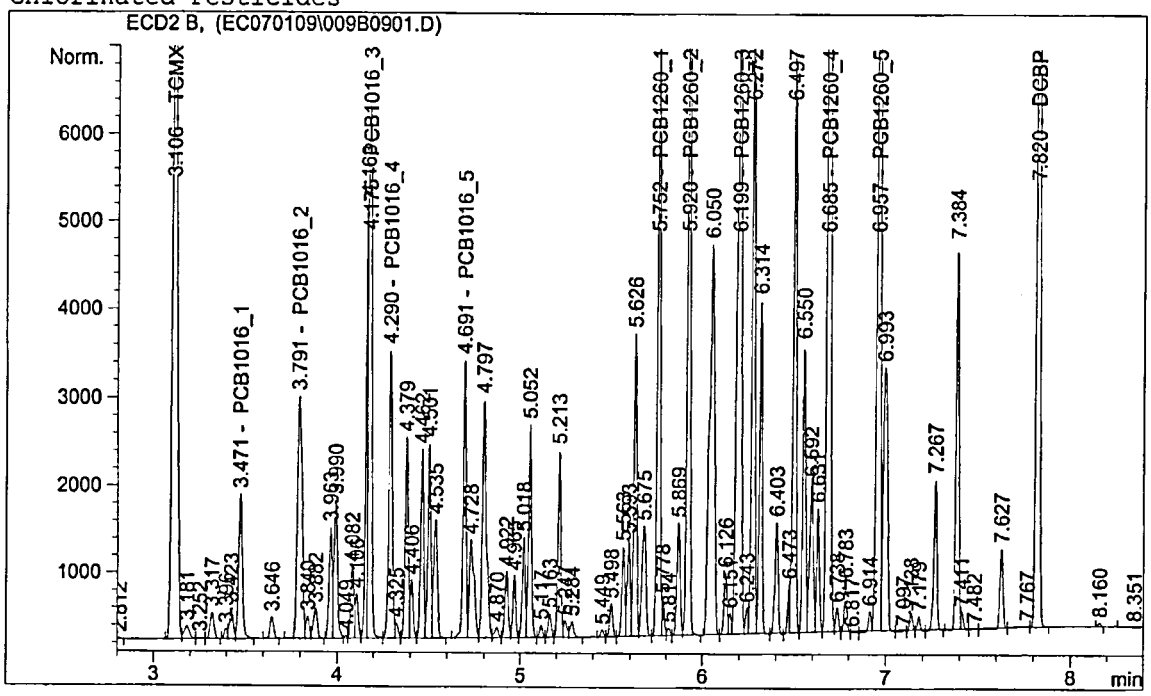
PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 01-Jul-09 10:14
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window From	RT Window To	Concentration	Mean Concentration	%D
Aroclor 1016	1	3.47132	3.44132	3.50132	1062.453588	1075.930307	-7.59
	2	3.79108	3.76108	3.82108	1054.989303		
	3	4.17537	4.14537	4.20537	1134.79524		
	4	4.28975	4.25975	4.31975	1060.167659		
	5	4.69125	4.66125	4.72125	1067.245742		
Aroclor 1260	1	5.75172	5.72172	5.78172	1083.512354	1084.549227	-8.45
	2	5.92004	5.89004	5.95004	1081.723883		
	3	6.1987	6.1687	6.2287	1089.692382		
	4	6.68543	6.65543	6.71543	1082.44297		
	5	6.95705	6.92705	6.98705	1085.374548		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

```
==================================================================
Injection Date  : 7/1/2009 10:14:32 AM          Seq. Line :   9
Sample Name     : cvs-PCB-1000                   Location : Vial 9
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070109\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                    External Standard Report
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Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:11:39 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1.51902e4	6.96038e-3	105.72955		TCMX
3.471	VV	2359.85962	4.50219e-1	1062.45359		PCB1016_1
3.791	BV	4866.72461	2.16776e-1	1054.98930		PCB1016_2
4.175	VV	7860.55078	1.44366e-1	1134.79524		PCB1016_3
4.290	VV	4426.44336	2.39508e-1	1060.16766		PCB1016_4
4.691	VV	3563.04883	2.99532e-1	1067.24574		PCB1016_5
5.752	VV	7242.34082	1.49608e-1	1083.51235		PCB1260_1
5.920	VB	1.01551e4	1.06520e-1	1081.72388		PCB1260_2
6.199	VV	1.27597e4	8.54013e-2	1089.69238		PCB1260_3
6.685	VV	1.95285e4	5.54290e-2	1082.44297		PCB1260_4
6.891		-	-	-		DBC
6.957	VV	1.26373e4	8.58865e-2	1085.37455		PCB1260_5
7.820	VB	1.51998e4	7.00246e-3	106.43568		DCBP

Totals : 1.10146e4

BWS
7-1-09

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 01-Jul-09 10:53
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.05029	5.02029	5.08029	998.1861983	1035.907992	-3.59
	2	5.21304	5.18304	5.24304	1092.310682		
	3	5.59265	5.56265	5.62265	1013.219107		
	4	5.7788	5.7488	5.8088	1012.425548		
	5	6.19992	6.16992	6.22992	1063.398423		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
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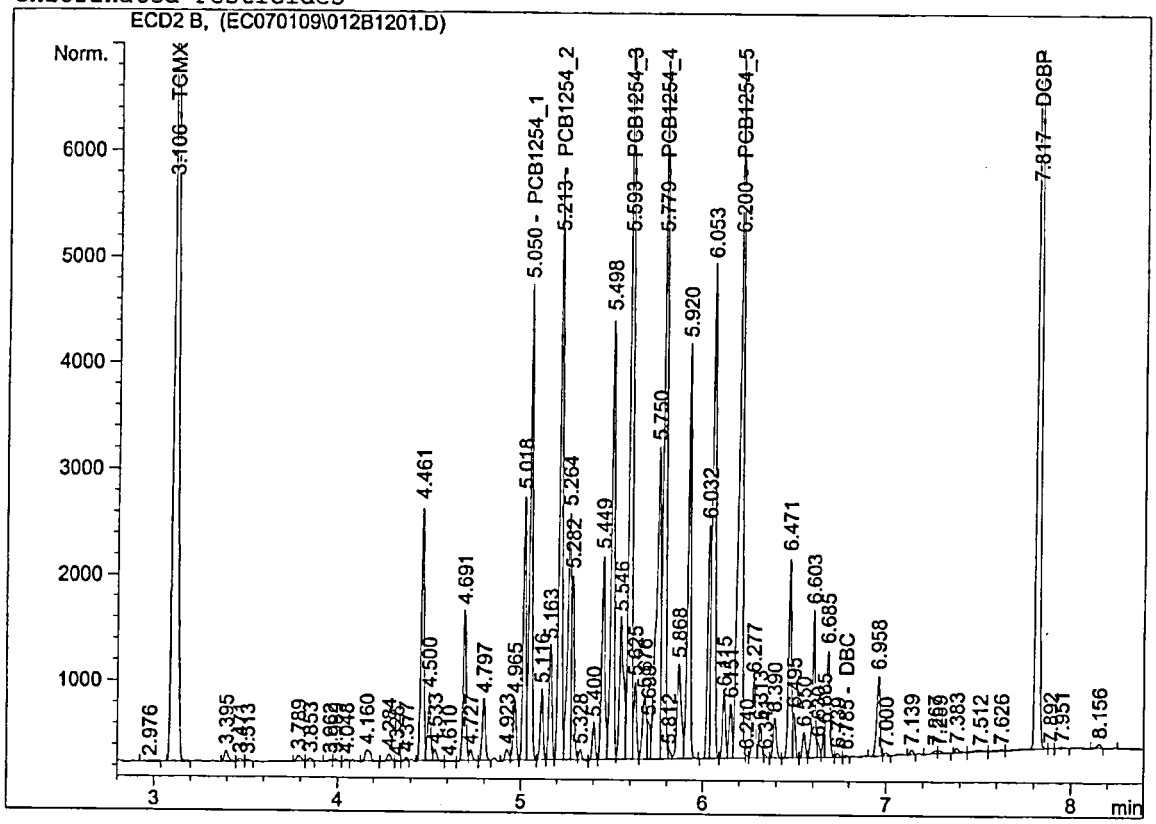
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

Injection Date	: 7/1/2009 10:53:11 AM	Seq. Line :	12
Sample Name	: cvs-1254-1000	Location :	Vial 12
Acq. Operator	: BWS	Inj :	1
Acq. Instrument	: ECD2	Inj Volume :	1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC070109\PCBMET~1\PCBMET~1\1254R.M		
Last changed	: 6/22/2009 9:39:44 AM by BWS		

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 9:58:58 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	PV	1.39717e4	7.16961e-3	100.17147		TCMX
5.050	VV	5289.83398	1.88699e-1	998.18620		PCB1254_1
5.213	VV	6115.10742	1.78625e-1	1092.31068		PCB1254_2
5.593	VV	9036.29102	1.12128e-1	1013.21911		PCB1254_3
5.779	VV	7248.11670	1.39681e-1	1012.42555		PCB1254_4
6.200	VV	9413.00781	1.12971e-1	1063.39842		PCB1254_5
6.785	VV	14.69130	0.00000	0.00000		DBC
7.817	VB	1.41369e4	7.11755e-3	100.62043		DCBP
Totals :				5380.33186		

BWS 7.1.09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 01-Jul-09 11:05
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1016	1	3.47047	3.44047	3.50047	1061.664334	1083.363927	-8.34
	2	3.7903	3.7603	3.8203	1044.209624		
	3	4.17446	4.14446	4.20446	1173.574397		
	4	4.2885	4.2585	4.3185	1064.345626		
	5	4.69016	4.66016	4.72016	1073.025653		
Aroclor 1260	1	5.75084	5.72084	5.78084	1087.170389	1090.291867	-9.03
	2	5.91951	5.88951	5.94951	1086.704291		
	3	6.19774	6.16774	6.22774	1091.272174		
	4	6.68425	6.65425	6.71425	1097.647977		
	5	6.95571	6.92571	6.98571	1088.664503		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
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	5						
	1						
	2						
	3						
	4						
	5						

```
==================================================================
Injection Date  : 7/1/2009 11:05:44 AM          Seq. Line :  13
Sample Name     : cvs-PCB-1000                   Location : Vial 13
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070109\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides
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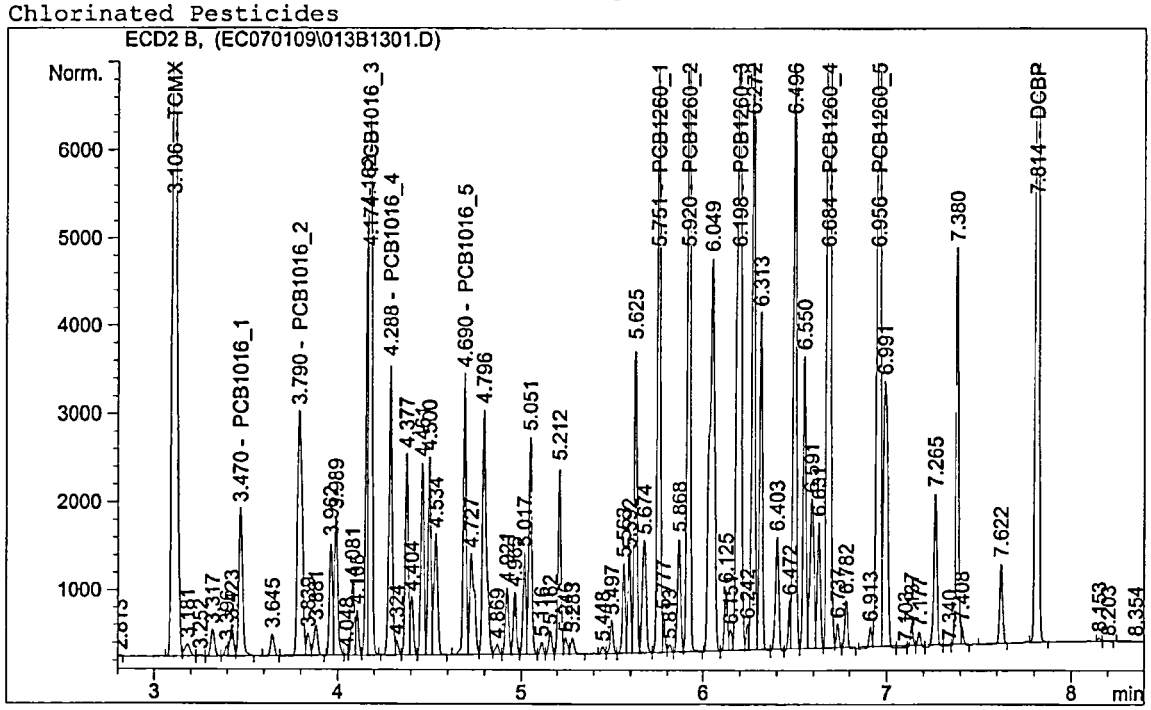


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==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:11:39 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1.53673e4	6.95819e-3	106.92893		TCMX
3.470	VV	2358.10522	4.50219e-1	1061.66433		PCB1016_1
3.790	PV	4816.46973	2.16800e-1	1044.20962		PCB1016_2
4.174	VB	8142.98828	1.44121e-1	1173.57440		PCB1016_3
4.288	PV	4444.07666	2.39498e-1	1064.34563		PCB1016_4
4.690	VV	3582.62085	2.99509e-1	1073.02565		PCB1016_5
5.751	VV	7267.14746	1.49601e-1	1087.17039		PCB1260_1
5.920	VB	1.02027e4	1.06512e-1	1086.70429		PCB1260_2
6.198	VV	1.27787e4	8.53978e-2	1091.27217		PCB1260_3
6.684	VV	1.98104e4	5.54078e-2	1097.64798		PCB1260_4
6.891		-	-	-		DBC
6.956	VV	1.26766e4	8.58799e-2	1088.66450		PCB1260_5
7.814	VB	1.53321e4	7.00110e-3	107.34129		DCBP

Totals : 1.10825e4

BWS
7-1-09

8082 QC, Blanks Raw Data

SGS North America, Inc.

Paradigm Analytical Laboratories, INC.

4C

8082 METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB14542

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: PB14542 Extraction: (Type) 3541

Matrix: (soil/water) SOIL Date Extracted: 2009-06-30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID
01	GYD-CS-05	G368-70-1B
02	GYD-CS-05-DUP	G368-70-2B
03	GYD-CS-04	G368-70-3B
04	GYD-CS-07	G368-70-4B
05	G368-70-4C MS	G368-70-4C MS
06	G368-70-4D MSD	G368-70-4D MSD
07	GYD-CS-08-R1	G368-70-7B
08		
09		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
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21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		

COMMENTS:

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB14542
Lab Project ID:
Initial Wt/Vol: 32.0 g
Final Volume: 10 mL
ColumnID: STX-CLPest

Analyzed By: BWS
Date Collected:
Date Received:
Date Extracted: 6/30/2009
Matrix: SOIL
%SOLIDS: 100.0
Report Basis: Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	31.2	1.78	1	06/30/09	
Aroclor-1221	BQL	31.2	7.78	1	06/30/09	
Aroclor-1232	BQL	31.2	4.31	1	06/30/09	
Aroclor-1242	BQL	31.2	2.85	1	06/30/09	
Aroclor-1248	BQL	31.2	1.39	1	06/30/09	
Aroclor-1254	BQL	31.2	9.22	1	06/30/09	
Aroclor-1260	BQL	31.2	2.58	1	06/30/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	94.2	94.2
DCBP	100	95.4	95.4

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB14542
Lab Project ID:
Initial Wt/Vol: 32.0 g
Final Volume: 10 mL
ColumnID: STX-CLPest

Analyzed By: BWS
Date Collected:
Date Received:
Date Extracted: 6/30/2009
Matrix: SOIL
%SOLIDS: 100.0
Report Basis: Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	31.2	1	06/30/09	
Aroclor-1221	BQL	31.2	1	06/30/09	
Aroclor-1232	BQL	31.2	1	06/30/09	
Aroclor-1242	BQL	31.2	1	06/30/09	
Aroclor-1248	BQL	31.2	1	06/30/09	
Aroclor-1254	BQL	31.2	1	06/30/09	
Aroclor-1260	BQL	31.2	1	06/30/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	94.2	94.2
DCBP	100	95.4	95.4

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

SGS North America, Inc.

QC Results for PCBs
by EPA 8082

Client Sample ID: Batch QC
Lab Sample ID: G368-70-4B
MS Lab ID: G368-70-4C
MSD Lab ID: G368-70-4D

Analyzed By: BWS
Matrix: SOIL
Solids: 82.51

Matrix Spike / Matrix Spike Duplicate Summary Results

Analyte	Sample ug/KG	Spiked ug/KG	MS ug/KG	%REC (Limit 40.8-116)	Spiked ug/KG	MSD ug/KG	%REC (Limit 40.8-116)	RPD (Limit 24.7)
Aroclor-1254	BQL	374	383	102	377	377	100	1.98

Surrogate Standards	Spike Added	Result ug/L	REC %		Result ug/L	REC %	Limits
TCMX	100	90.4	90.4		86.8	86.8	40 - 120
DCBP	100	92	92		88.4	88	40 - 120

Sample Preparation and Analysis Summary

Sample Analysis Date/Time: 6/30/09 16:47
Batch/Filename: 026B0601.D 026B0601.D
MS Analysis Date/Time: 6/30/09 17:13
MS Batch/Filename: EC063009 028B0801.D
MSD Analysis Date/Time: 6/30/09 17:26
MSD Batch/Filename: EC063009 029B0901.D

Prep Batch ID: 14542
Extraction Date: 06/30/09
Prep method: 3541
Sample Initial Amount: 32.39 G
MS Initial Amount: 32.37 G
MSD Initial Amount: 32.12 G
Final Extract Volume: 10.0 ML

Laboratory Control Spike Summary Results

Analyte	Spiked ug/KG	Result ug/KG	REC %	Limits Lower	Limits Upper
Aroclor-1254	313	331	106	75	107

Surrogate Standards	Spike Added	Result ug/L	REC %	Limits Lower	Limits Upper
TCMX	100	97.8	97.8	40	120
DCBP	100	99	99	40	120

Preparation and Analysis Summary

LCS Labid: LCS14542
LCS Analyst: BWS
Analysis Date/Time: 6/30/09 15:56
Filename: 022B0201.D
Analytical Batch: EC063009

Prep Batch ID: 14542
Extraction Date: 06/30/09
Prep method: 3541
Initial Weight / Volume: 32.0 G
Final Extract Volume: 10.0 ML

Comments:

= Outside Control Limits

Reviewed by: BWD

```
==================================================================
Injection Date  : 6/30/2009 3:43:20 PM          Seq. Line :   1
Sample Name     : PB14542 x1                     Location : Vial 21
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:45:10 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC063009\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
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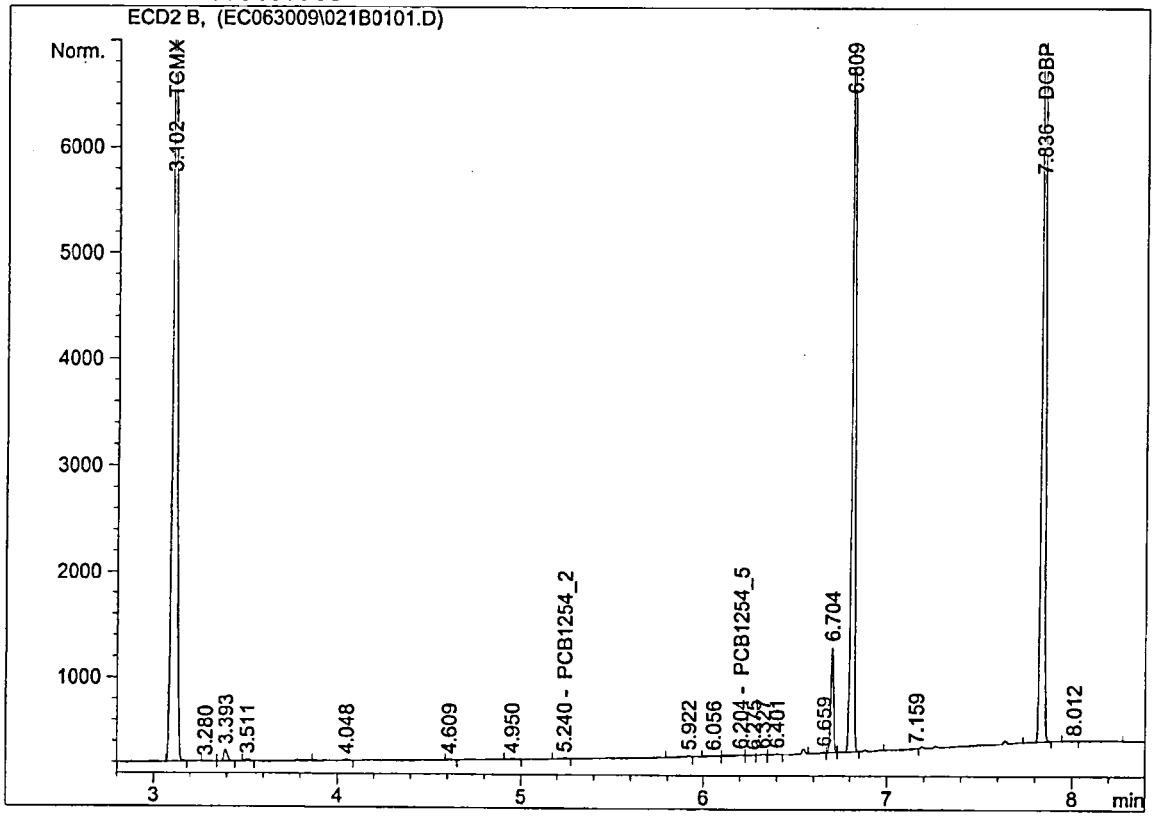


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==================================================================
                      External Standard Report
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Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.102	BB	1.31160e4	7.18180e-3	94.19651	✓	TCMX
5.059		-	-	-		PCB1254_1
5.240	BV	18.96230	0.00000	0.00000		PCB1254_2
5.601		-	-	-		PCB1254_3
5.787		-	-	-		PCB1254_4
6.204	VV N	48.65924	2.09130e-1	10.17612		PCB1254_5
6.794		-	-	-		DBC
7.836	VB	1.33844e4	7.12649e-3	95.38396	✓	DCBP

Totals : 199.75659

BWS 7-1-09

```
==================================================================
Injection Date  : 6/30/2009 3:56:09 PM          Seq. Line :   2
Sample Name     : LCS14542 x1                    Location : Vial 22
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC063009\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
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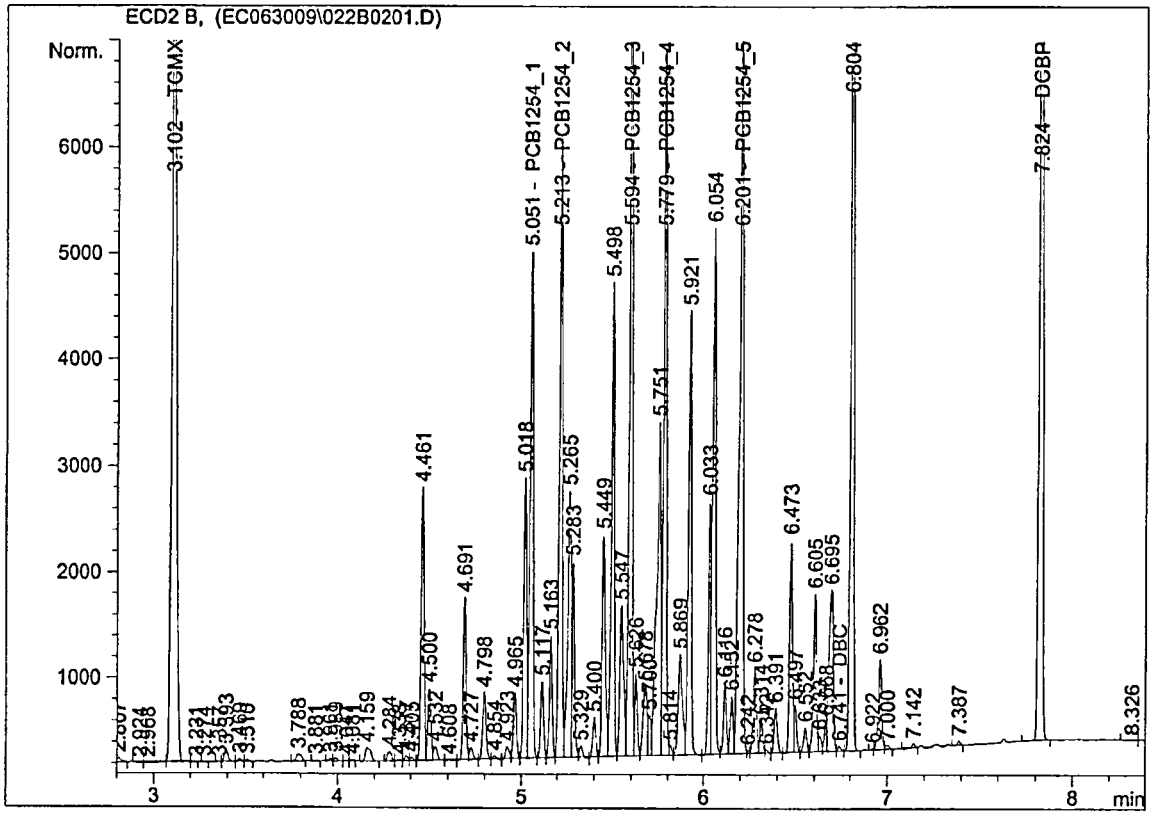


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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.102	PP	1.36314e4	7.17427e-3	97.79552		TCMX
5.051	VV	5624.16211	1.88560e-1	1060.49362		PCB1254_1
5.213	VV	6520.55176	1.78778e-1	~~1165~~.72827		~~PCB1254_2~~
5.594	VV	9527.05273	1.12007e-1	1067.09977		PCB1254_3
5.779	VV	7553.16602	1.39599e-1	1054.41200		PCB1254_4
6.201	VV	9985.68066	1.12943e-1	~~1127~~.80780		~~PCB1254_5~~
6.741	VV	55.93190	0.00000	0.00000		DBC
7.824	VB	1.39074e4	7.12018e-3	99.02292		DCBP

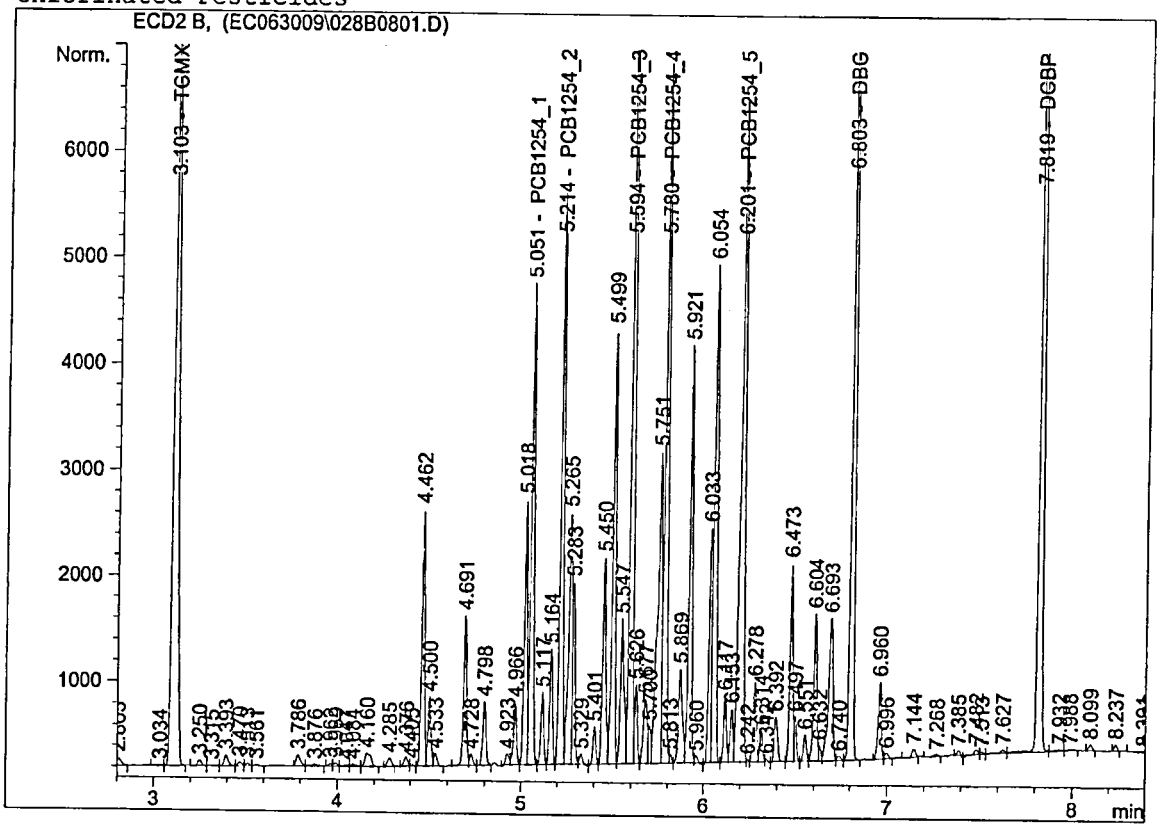
3 peaks
BWS
7.1.09
331.1454

Totals : 5672.35990

Injection Date : 6/30/2009 5:13:27 PM
Sample Name : 628798 MS x1
Acq. Operator : BWS
Acq. Instrument : ECD2
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC063009\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

Seq. Line : 8
Location : Vial 28
Inj : 1
Inj Volume : 1 µl

6368-70-4C
MS



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.103	VB	1.25716e4	7.19042e-3	90.39525	✓	TCMX
5.051	VV	5308.40430	1.88691e-1	1001.64707		PCB1254_1
5.214	VV	5948.46826	1.78556e-1	1062.13577		PCB1254_2
5.594	VV	8988.06152	1.12140e-1	1007.92400		PCB1254_3
5.780	VV	7221.09326	1.39689e-1	1008.70609		PCB1254_4
6.201	VV	9177.02539	1.12984e-1	1036.85713		PCB1254_5
6.803	VBA	8459.42383	0.00000	0.00000		DBC
7.819	VV	1.29013e4	7.13277e-3	92.02174	✓	DCBP

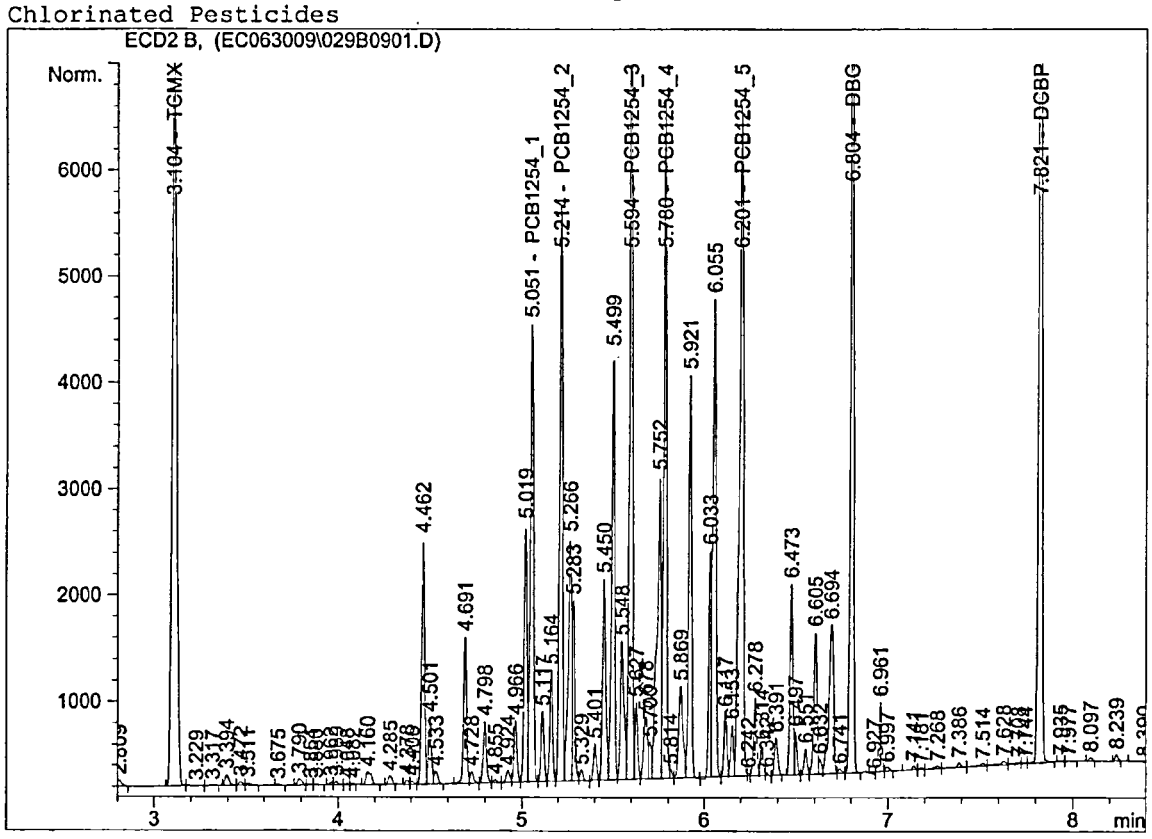
Totals : 5299.68705

BWS 38319
7-1-09

==========

Injection Date : 6/30/2009 5:26:15 PM Seq. Line : 9
Sample Name : 628799 MSD x1 Location : Vial 29
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC063009\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

G368-70-4D
MSD



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.104	BB	1.20589e4	7.19925e-3	86.81474	✓	TCMX
5.051	VV	5122.06055	1.88775e-1	966.91892		PCB1254_1
5.214	VV	5931.11230	1.78549e-1	1058.99297		PCB1254_2
5.594	VV	8624.61230	1.12239e-1	968.02096		PCB1254_3
5.780	VV	6982.32080	1.39759e-1	975.84187		PCB1254_4
6.201	VV	9058.09863	1.12991e-1	1023.48126		PCB1254_5
6.804	VBA	9171.22754	0.00000	0.00000		DBC
7.821	VB	1.23773e4	7.14015e-3	88.37602	✓	DCBP

Totals : 5168.44672

BWS
7-1-09

SGS North America, Inc.

Paradigm Analytical Laboratories, INC.

II

SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	S1 (TCMX) #	S2 (DCBP) #	QC LIMITS	TOT OUT
01	GYD-CS-05	G368-70-1B	78.4	85.0	40 - 140	
02	GYD-CS-05-DUP	G368-70-2B	78.4	85.0	40 - 140	
03	GYD-CS-04	G368-70-3B	73.3	86.7	40 - 140	
04	GYD-CS-07	G368-70-4B	85.2	87.4	40 - 140	
05	GYD-CS-08-R1	G368-70-7B	77.6	86.5	40 - 140	
06						
07						
08						
09						
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S1 (TCMX) = Tetrachloro-m-xylene

S2 (DBCP) = Decachlorobiphenyl

8082 Sample Raw Data

Results for PCBs
by EPA 8082

Client Sample ID: GYD-CS-05
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-70-1B
Lab Project ID: G368-70
Initial Wt/Vol: 33.94 g
Final Volume: 10 mL
ColumnID: STX-CLPest

Analyzed By: BWS
Date Collected: 6/29/2009 17:47
Date Received: 6/30/2009
Date Extracted: 6/30/2009
Matrix: Soil
%SOLIDS: 84.2
Report Basis: Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	35.0	2.00	1	07/01/09	
Aroclor-1221	BQL	35.0	8.72	1	07/01/09	
Aroclor-1232	BQL	35.0	4.83	1	07/01/09	
Aroclor-1242	BQL	35.0	3.19	1	07/01/09	
Aroclor-1248	**225**	35.0	1.56	1	07/01/09	
Aroclor-1254	BQL	35.0	10.3	1	07/01/09	
Aroclor-1260	BQL	35.0	2.89	1	07/01/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	78.4	78.4
DCBP	100	85.0	85.0

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

Results for PCBs
by EPA 8082

Client Sample ID: GYD-CS-05-DUP
Client Project ID: Goodyear Dump Site
Lab Sample ID: G368-70-2B
Lab Project ID: G368-70
Initial Wt/Vol: 32.22 g
Final Volume: 10 mL
ColumnID: STX-CLPest

Analyzed By: BWS
Date Collected: 6/29/2009 17:47
Date Received: 6/30/2009
Date Extracted: 6/30/2009
Matrix: Soil
%SOLIDS: 83.4
Report Basis: Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	37.2	2.12	1	07/01/09	
Aroclor-1221	BQL	37.2	9.27	1	07/01/09	
Aroclor-1232	BQL	37.2	5.14	1	07/01/09	
Aroclor-1242	BQL	37.2	3.39	1	07/01/09	
Aroclor-1248	**366**	37.2	1.66	1	07/01/09	
Aroclor-1254	BQL	37.2	11.0	1	07/01/09	
Aroclor-1260	BQL	37.2	3.07	1	07/01/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	78.4	78.4
DCBP	100	85.0	85.0

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-04	Analyzed By:	BWS
Client Project ID:	Goodyear Dump Site	Date Collected:	6/29/2009 18:08
Lab Sample ID:	G368-70-3B	Date Received:	6/30/2009
Lab Project ID:	G368-70	Date Extracted:	6/30/2009
Initial Wt/Vol:	33.37 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	79.6
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	37.6	2.15	1	06/30/09	
Aroclor-1221	BQL	37.6	9.38	1	06/30/09	
Aroclor-1232	BQL	37.6	5.20	1	06/30/09	
Aroclor-1242	BQL	37.6	3.43	1	06/30/09	
Aroclor-1248	BQL	37.6	1.68	1	06/30/09	
Aroclor-1254	BQL	37.6	11.1	1	06/30/09	
Aroclor-1260	**71.9**	37.6	3.11	1	06/30/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	73.3	73.3
DCBP	100	86.7	86.7

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-07	Analyzed By:	BWS
Client Project ID:	Goodyear Dump Site	Date Collected:	6/29/2009 18:34
Lab Sample ID:	G368-70-4B	Date Received:	6/30/2009
Lab Project ID:	G368-70	Date Extracted:	6/30/2009
Initial Wt/Vol:	32.39 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	82.5
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	37.4	2.13	1	06/30/09	
Aroclor-1221	BQL	37.4	9.32	1	06/30/09	
Aroclor-1232	BQL	37.4	5.16	1	06/30/09	
Aroclor-1242	BQL	37.4	3.41	1	06/30/09	
Aroclor-1248	BQL	37.4	1.66	1	06/30/09	
Aroclor-1254	BQL	37.4	11.0	1	06/30/09	
Aroclor-1260	BQL	37.4	3.09	1	06/30/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	85.2	85.2
DCBP	100	87.4	87.4

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-08-R1	Analyzed By:	BWS
Client Project ID:	Goodyear Dump Site	Date Collected:	6/29/2009 19:00
Lab Sample ID:	G368-70-7B	Date Received:	6/30/2009
Lab Project ID:	G368-70	Date Extracted:	6/30/2009
Initial Wt/Vol:	33.22 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	84.3
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	35.7	2.04	1	06/30/09	
Aroclor-1221	BQL	35.7	8.89	1	06/30/09	
Aroclor-1232	BQL	35.7	4.93	1	06/30/09	
Aroclor-1242	BQL	35.7	3.26	1	06/30/09	
Aroclor-1248	BQL	35.7	1.59	1	06/30/09	
Aroclor-1254	BQL	35.7	10.5	1	06/30/09	
Aroclor-1260	**14.0**	35.7	2.95	1	06/30/09	J

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	77.6	77.6
DCBP	100	86.5	86.5

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

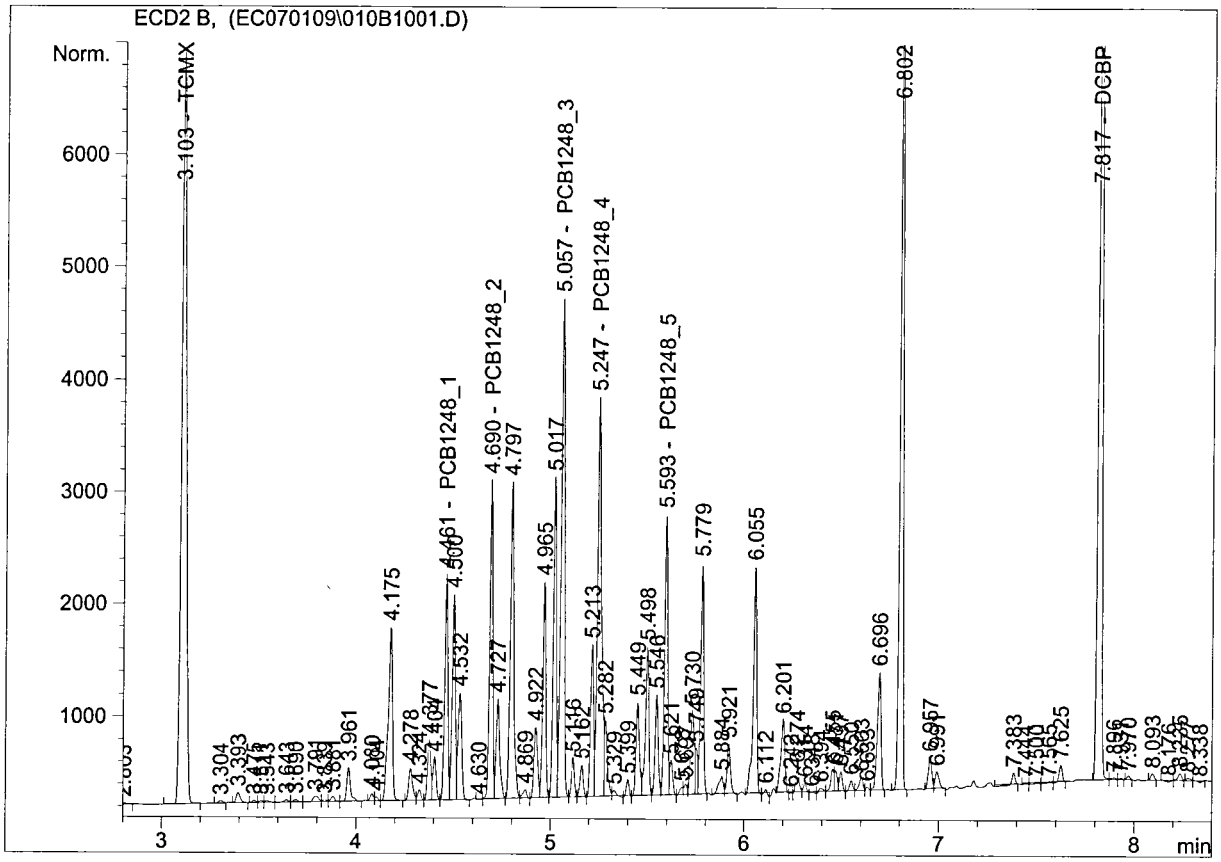
Reviewed By: _____

8082.xls

SGS North America, Inc.

Injection Date	: 7/1/2009 10:27:26 AM	Seq. Line	: 10
Sample Name	: G368-70-1B x1	Location	: Vial 10
Acq. Operator	: BWS	Inj	: 1
Acq. Instrument	: ECD2	Inj Volume	: 1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC070109\PCBMET~1\PCBMET~1\1248R.M		
Last changed	: 7/1/2009 11:17:34 AM by BWS (modified after loading)		

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 9:21:03 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.103	BB	1.13670e4	6.89483e-3	78.37322		TCMX
4.461	VV	2212.73047	2.42720e-1	537.07401		PCB1248_1
4.690	PV	3123.38916	1.81884e-1	568.09297		PCB1248_2
5.057	VV	5334.40088	1.23525e-1	658.93054		PCB1248_3
5.247	VV	5219.26563	1.24708e-1	650.88604		PCB1248_4
5.593	VV	2708.01489	2.95990e-1	801.54634		PCB1248_5
6.887		-	-	-		DBC
7.817	PV	1.23434e4	6.89000e-3	85.04587		DCBP

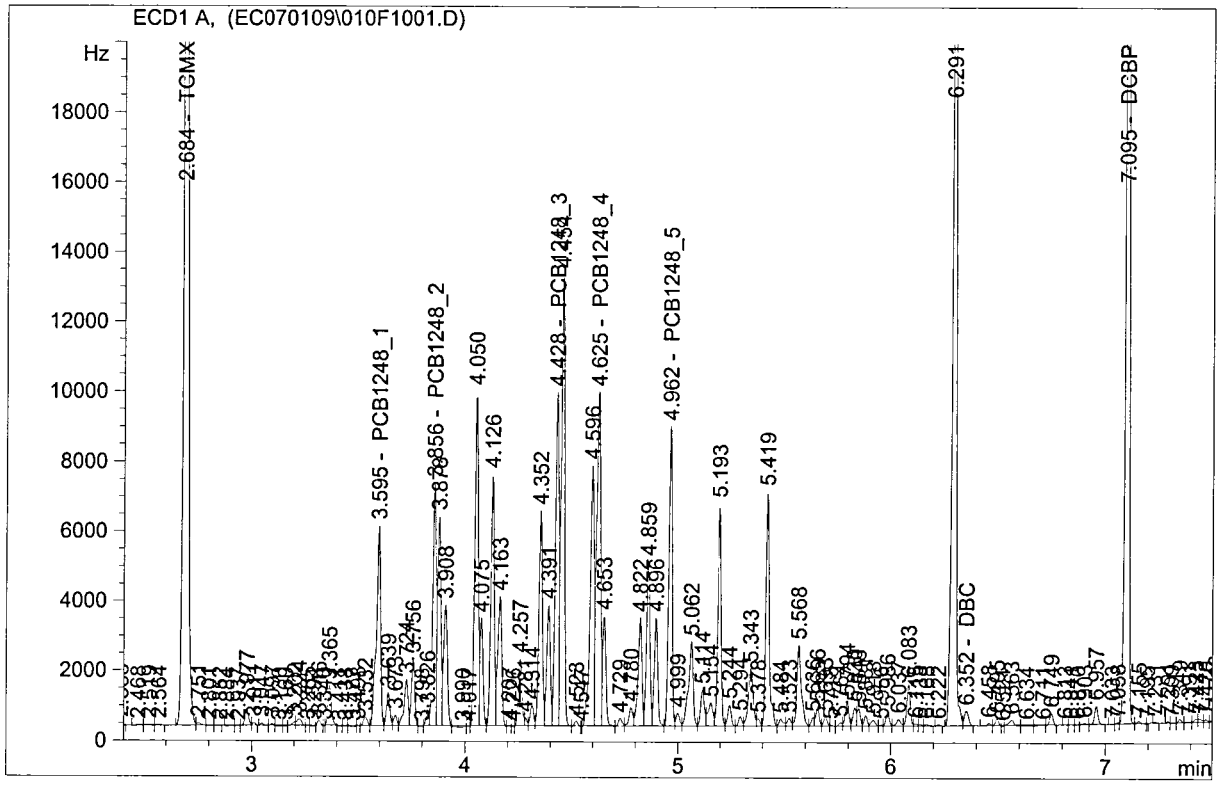
Totals : 3379.94898

225.109

BWS 7-1-09

SGS North America, Inc.

Injection Date : 7/1/2009 10:14:32 AM Seq. Line : 10
Sample Name : G368-70-1B x1 Location : Vial 10
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070109\PCBMET~1\PCBMET~2\1248F.M
Last changed : 6/22/2009 2:44:42 PM by BWS
Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:02:53 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Confirmation Only

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	PV	4.84230e4	1.63984e-3	79.40586		TCMX
3.595	VV	7756.69482	5.93553e-2	460.40107		PCB1248_1
3.856	VV	7507.57861	6.88980e-2	517.25691		PCB1248_2
4.428	VV	1.07508e4	3.83195e-2	411.96602		PCB1248_3
4.625	VV	1.29959e4	4.78343e-2	621.64870		PCB1248_4
4.962	VV	9152.93555	7.83065e-2	716.73435		PCB1248_5
6.352	VV	559.38989	2.57014e-1	143.77076		DBC
7.095	VV	3.93461e4	2.04103e-3	80.30656		DCBP
Totals :				3031.49023		

SW 7-1-09

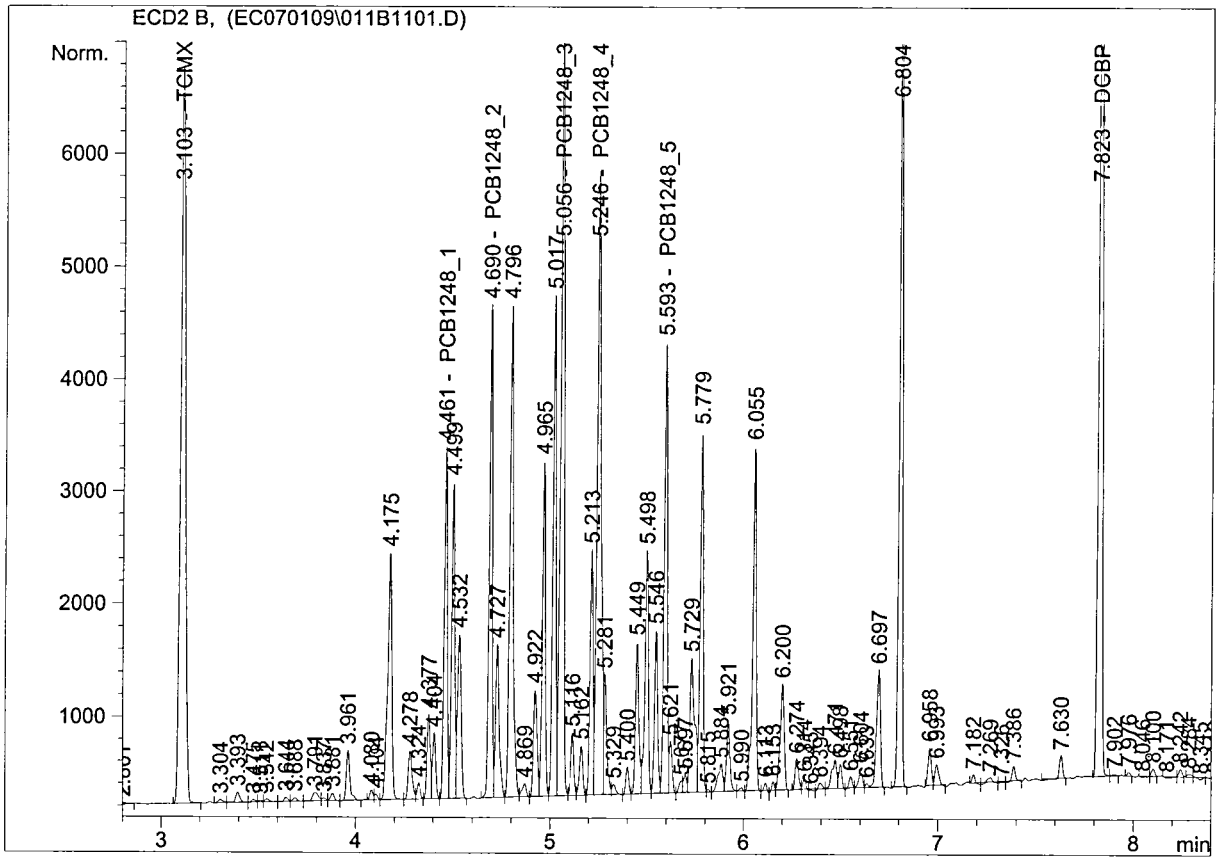
Results obtained with enhanced integrator!

*** End of Report ***

SGS North America, Inc.

Injection Date	: 7/1/2009 10:40:21 AM	Seq. Line :	11
Sample Name	: G368-70-2B x1	Location :	Vial 11
Acq. Operator	: BWS	Inj :	1
Acq. Instrument	: ECD2	Inj Volume :	1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC070109\PCBMET~1\PCBMET~1\1248R.M		
Last changed	: 7/1/2009 11:17:34 AM by BWS (modified after loading)		

Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.103	PB	1.13639e4	6.89496e-3	78.35353		TCMX
4.461	VV	3420.95972	2.36679e-1	809.66981		PCB1248_1
4.690	PV	4833.61719	1.77010e-1	855.59826		PCB1248_2
5.056	VV	8244.46289	1.20612e-1	994.37807		PCB1248_3
5.246	VV	8208.80273	1.21257e-1	995.37887		PCB1248_4
5.593	VV	4358.62207	2.89468e-1	1261.68339		PCB1248_5
6.887		-	-	-		DBC
7.823	VV	1.23444e4	6.88996e-3	85.05229		DCBP
Totals :				5080.11423		

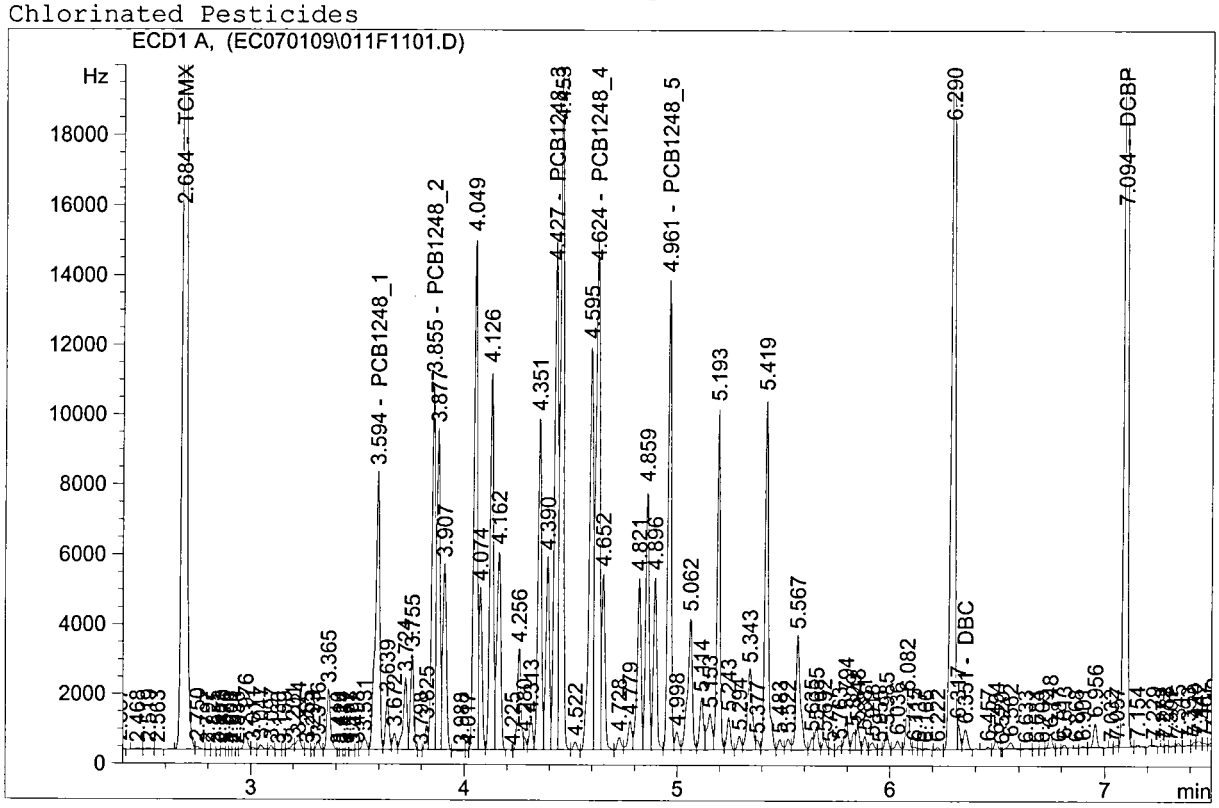
3459.43

BWS 7-1-09

SGS North America, Inc.

Injection Date	: 7/1/2009 10:27:26 AM	Seq. Line	: 11
Sample Name	: G368-70-2B x1	Location	: Vial 11
Acq. Operator	: BWS	Inj	: 1
Acq. Instrument	: ECD2	Inj Volume	: 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070109\PCBMET~1\PCBMET~2\1248F.M
Last changed : 6/22/2009 2:44:42 PM by BWS
Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:02:53 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	4.75704e4	1.64194e-3	78.10757		TCMX
3.594	VV	1.09267e4	5.78047e-2	631.61435		PCB1248_1
3.855	VV	1.14698e4	6.69126e-2	767.47614		PCB1248_2
4.427	VV	1.66370e4	3.67997e-2	612.23667		PCB1248_3
4.624	VV	2.00922e4	4.66017e-2	936.32952		PCB1248_4
4.961	VV	1.45108e4	7.63469e-2	1107.85103		PCB1248_5
6.351	VV	748.45575	2.61590e-1	195.78825		DBC
7.094	VV	3.81635e4	2.04556e-3	78.06583		DCBP

Totals : 4407.46936

Results obtained with enhanced integrator!

*** End of Report ***

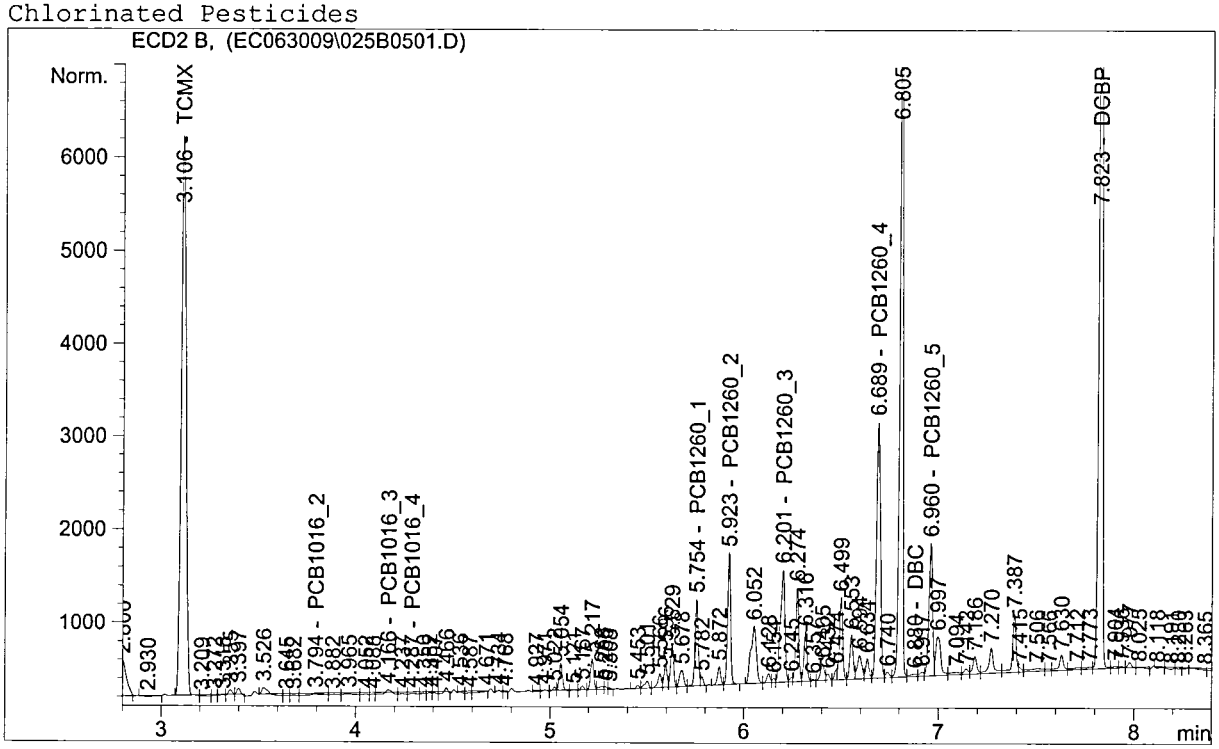
onfirmation Only

BWS 7-1-09

SGS North America, Inc.

Injection Date	: 6/30/2009 4:34:50 PM	Seq. Line :	5
Sample Name	: G368-70-3B x1	Location :	Vial 25
Acq. Operator	: BWS	Inj :	1
Acq. Instrument	: ECD2	Inj Volume :	1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC063009\PCBMET~1\PCBMET~1\PCBR.M		
Last changed	: 6/22/2009 9:40:46 AM by BWS		

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:11:39 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VP	1.03961e4	7.04800e-3	73.27181		TCMX
3.473		-	-	-		PCB1016_1
3.794	VV N	156.13449	2.85440e-1	44.56706		PCB1016_2
4.166	VV N	50.00232	1.24781	62.39345		PCB1016_3
4.287	VV N	75.57951	3.87546e-1	29.29053		PCB1016_4
4.699		-	-	-		PCB1016_5
5.754	VV	1032.90027	1.62510e-1	167.85617		PCB1260_1
5.923	VB	1513.88965	1.17340e-1	177.64002		PCB1260_2
6.201	VV	1970.06689	9.81918e-2	193.44436		PCB1260_3
6.689	VV	3846.91626	6.15028e-2	236.59610		PCB1260_4
6.880	VV	70.74865	5.27322e-2	3.73073		DBC
6.960	VV	1817.10999	9.86231e-2	179.20904		PCB1260_5
7.823	VB	1.23130e4	7.03940e-3	86.67632		DCBP

Totals : 1254.67559

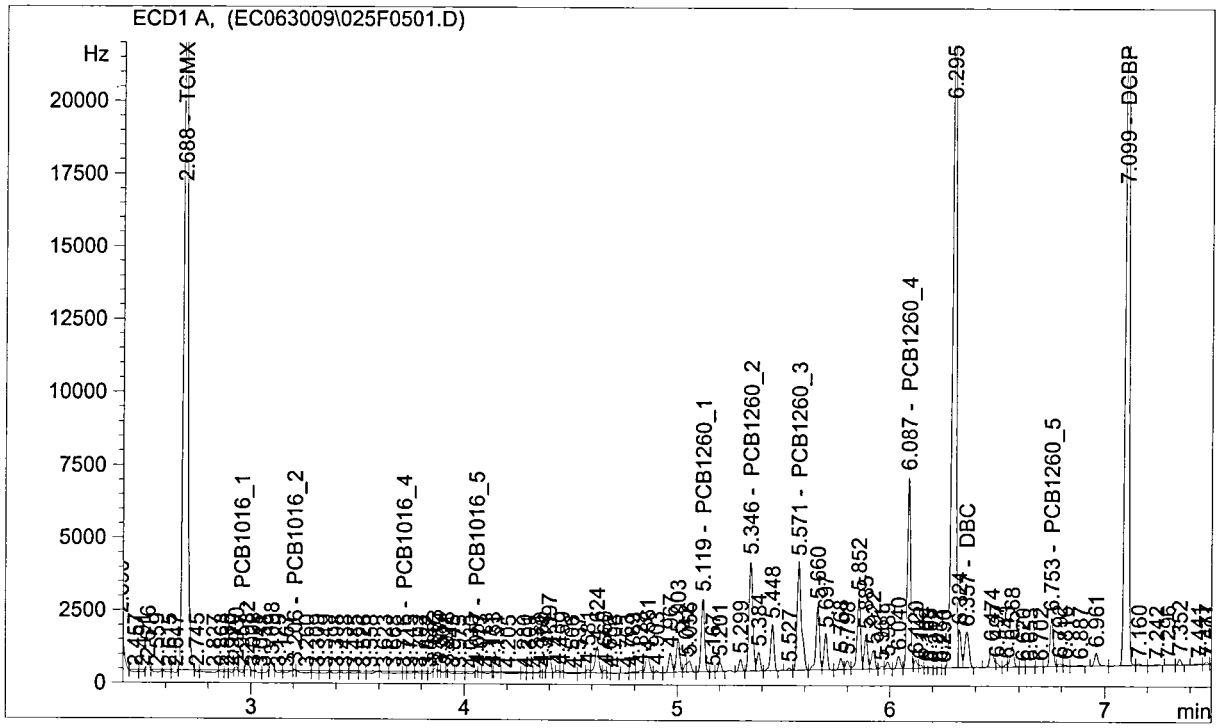
71.887

BWS
7-1-09

SGS North America, Inc.

Injection Date	: 6/30/2009 4:21:51 PM	Seq. Line :	5
Sample Name	: G368-70-3B x1	Location :	Vial 25
Acq. Operator	: BWS	Inj :	1
Acq. Instrument	: ECD2	Inj Volume :	1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC063009\PCBMET~1\PCBMET~2\PCBF.M		
Last changed	: 6/22/2009 2:49:49 PM by BWS		

fAST 8082



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Confirmation Only

Signal 1: ECD1 A,

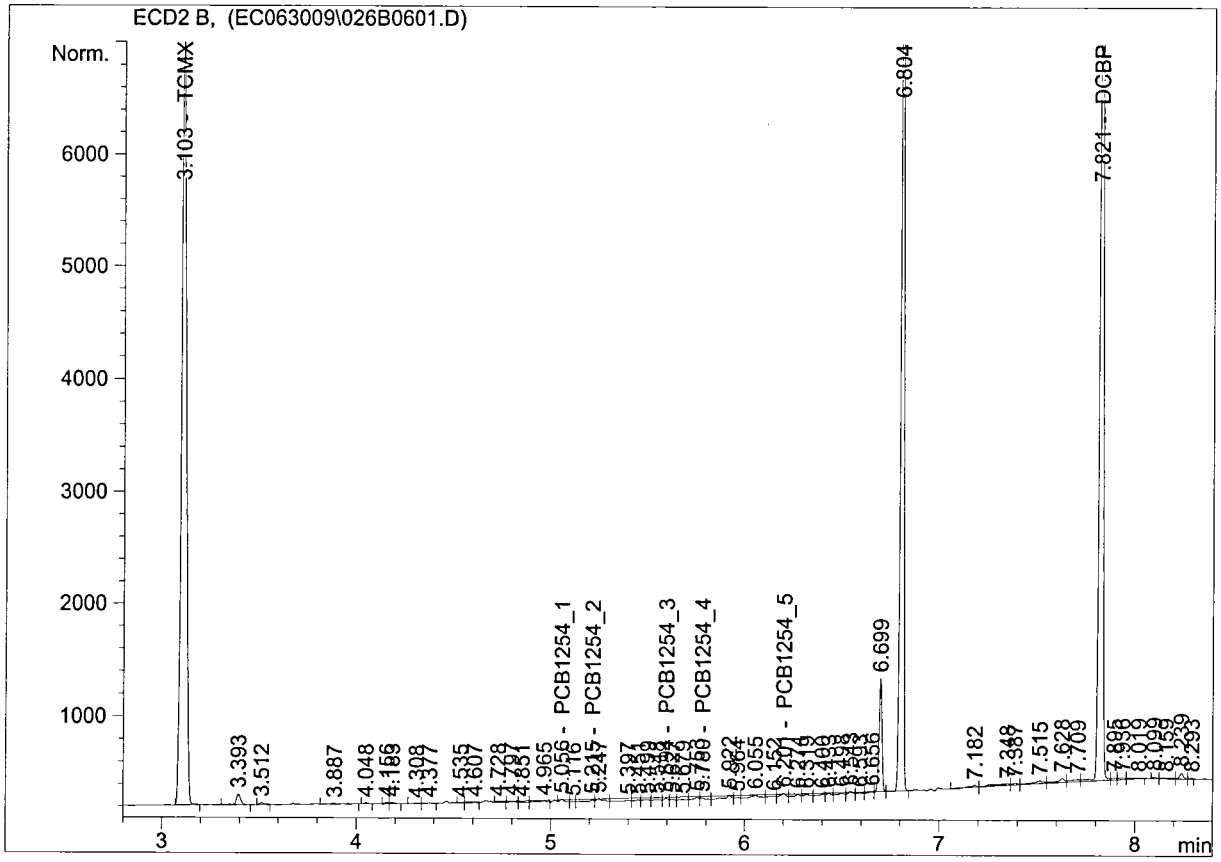
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.688	PP	3.57055e4	1.69352e-3	60.46814		TCMX
2.957	PP N	88.22935	0.00000	0.00000		PCB1016_1
3.206	PP	29.11953	0.00000	0.00000		PCB1016_2
3.590		-	-	-		PCB1016_3
3.716	VV N	72.90771	7.39355e-2	5.39047		PCB1016_4
4.057	PP	31.51066	2.23045e-1	7.02829		PCB1016_5
5.119	VV	2704.95288	4.45053e-2	120.38465		PCB1260_1
5.346	VV	4627.26563	2.80792e-2	129.93003		PCB1260_2
5.571	VV	5110.70117	2.67614e-2	136.76935		PCB1260_3
6.087	VV	6739.59375	2.08560e-2	140.56115		PCB1260_4
6.357	VV	1703.37720	7.62684e-3	12.99138		DBC
6.753	VV	1726.30481	8.23409e-2	142.14555		PCB1260_5
7.099	VV	3.48649e4	2.07718e-3	72.42073		DCBP

Totals : 828.08974

BWS 7-1-09

SGS North America, Inc.

Injection Date : 6/30/2009 4:47:48 PM Seq. Line : 6
Sample Name : G368-70-4B x1 Location : Vial 26
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC063009\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.103	BB	1.18282e4	7.20347e-3	85.20437		TCMX
5.056	VB N	38.77112	5.04658e-1	19.56615		PCB1254_1
5.215	VV N	101.56307	3.33002e-2	3.38207		PCB1254_2
5.594	VV N	36.18221	6.93668e-1	25.09844		PCB1254_3
5.780	VB N	77.26048	3.29294e-1	25.44144		PCB1254_4
6.201	VV N	36.62119	2.40904e-1	8.82218		PCB1254_5
6.794		-	-	-		DBC
7.821	VB	1.22365e4	7.14224e-3	87.39565		DCBP

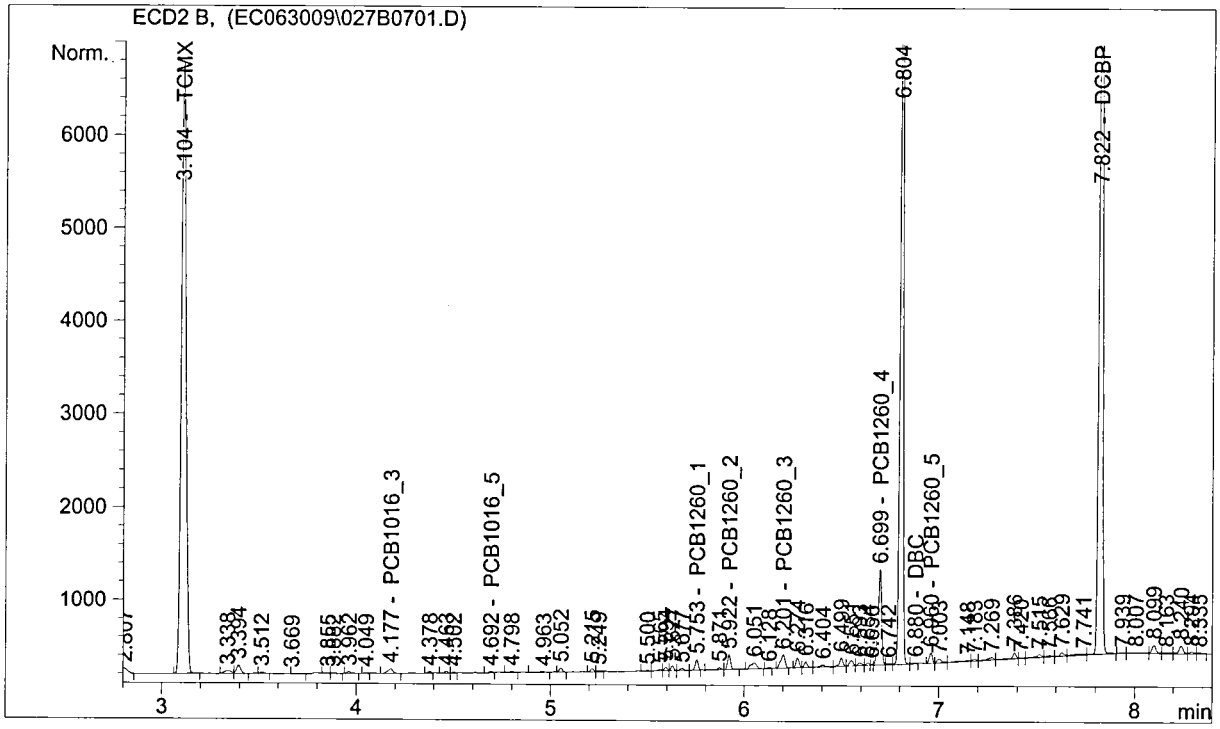
Totals : 254.91030

BWS
7-1-09

SGS North America, Inc.

Injection Date	: 6/30/2009 5:00:40 PM	Seq. Line :	7
Sample Name	: G368-70-7B x1	Location :	Vial 27
Acq. Operator	: BWS	Inj :	1
Acq. Instrument	: ECD2	Inj Volume :	1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC063009\PCBMET~1\PCBMET~1\PCBR.M		
Last changed	: 7/1/2009 8:32:57 AM by BWS (modified after loading)		

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:11:39 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.104	BB	1.10370e4	7.03188e-3	77.61057		TCMX
3.473		-	-	-		PCB1016_1
3.794		-	-	-		PCB1016_2
4.177	VB	88.20433	7.66840e-1	67.63865		PCB1016_3
4.296		-	-	-		PCB1016_4
4.692	PV	12.03815	1.54334	18.57902		PCB1016_5
5.753	VV	117.61697	2.79609e-1	32.88671		PCB1260_1
5.922	VV	177.00955	2.13373e-1	37.76914		PCB1260_2
6.201	VV	228.08888	2.13713e-1	48.74546		PCB1260_3
6.699	VV	1280.85034	7.66561e-2	98.18505		~~PCB1260~~_4
6.880	VV	18.68822	1.76611e-1	3.30055		DBC
6.960	PP	121.79149	3.05688e-1	37.23020		PCB1260_5
7.822	VB	1.22837e4	7.03986e-3	86.47548		DCBP
Totals :				508.42082		

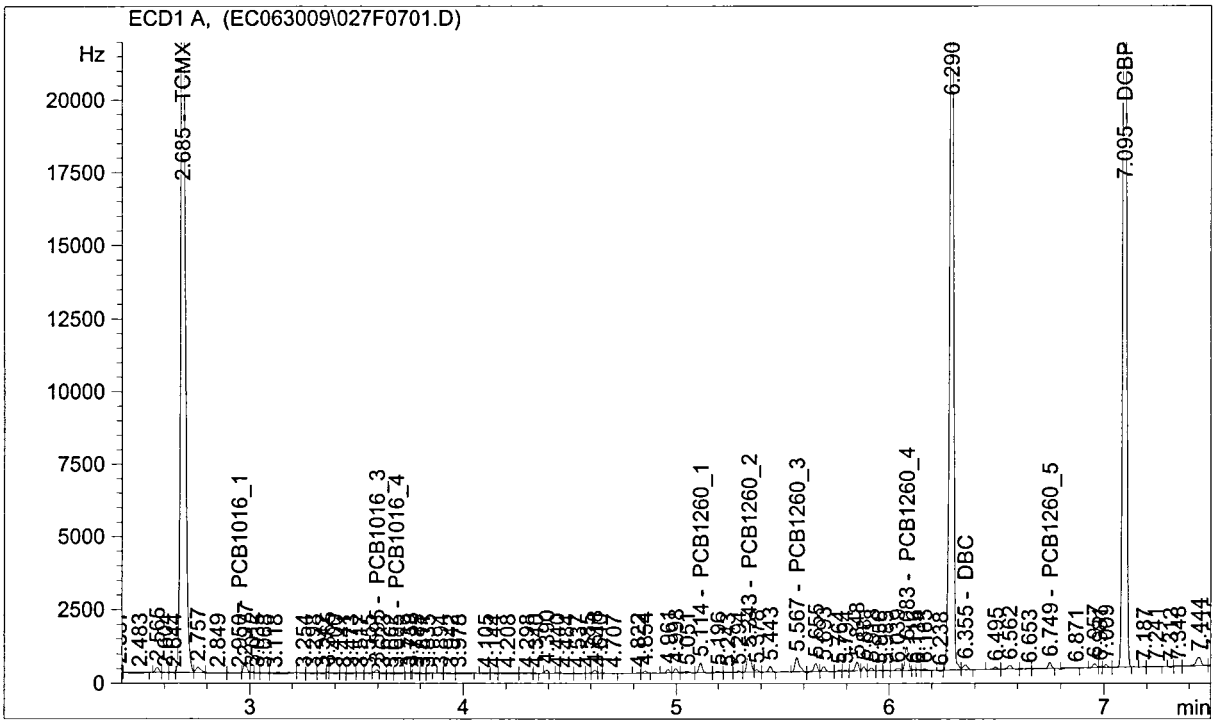
13.983

4 Peaks 1260

BWS
7-1-09

SGS North America, Inc.

```
==========================================================================
Injection Date  : 6/30/2009 4:47:48 PM          Seq. Line :   7
Sample Name     : G368-70-7B x1                  Location : Vial 27
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC063009\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/22/2009 2:49:49 PM by BWS
fAST 8082
```




```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Confirmation Only

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	PV	4.18499e4	1.68641e-3	70.57591		TCMX
2.950	VP N	107.70399	0.00000	0.00000		PCB1016_1
3.218		-	-	-		PCB1016_2
3.595	PP	110.75098	1.10799e-1	12.27108		PCB1016_3
3.685	VV N	86.78618	7.18831e-2	6.23846		PCB1016_4
4.046		-	-	-		PCB1016_5
5.114	VV	326.14404	8.33198e-2	27.17426		PCB1260_1
5.343	VV	834.16925	4.34699e-2	36.26123		PCB1260_2
5.567	VV	628.46674	5.37904e-2	33.80550		PCB1260_3
6.083	VV	875.52789	4.58374e-2	40.13190		PCB1260_4
6.355	VV	234.54355	1.52992e-2	3.58833		DBC
6.749	VV	168.47194	2.21423e-1	37.30350		PCB1260_5
7.095	VV	4.00214e4	2.06670e-3	82.71212		DCBP

Totals : 350.06227

BWS
7-1-09

SGS North America, Inc.

Metals Data

Printed 7/1/09

LABID =	**pb14543**	Project =	QC				
Element	CONC	DF		DATE	INITWT/V(	FINALVOL	BATCH
PbM	-5e-06	10		07/01/09	0.55	50	14543

SGS North America, Inc.

Metals Data

Printed 7/1/09

LABID =	**G368-70-1_**						
Element	CONC 11.07	DF		DATE	INITWT/V(	FINALVOL	BATCH
Solids =	84.16						
PbM	0.009506	10		07/01/09	0.51	50	14543

LABID =	**G368-70-2_**						
Element	CONC 11.72	DF		DATE	INITWT/V(	FINALVOL	BATCH
Solids =	83.39						
PbM	0.011341	10		07/01/09	0.58	50	14543

11.

SGS **SGS Environmental Services**

Analytical Results
Tetra Tech
Project: Goodyear Dump Site
SGS Laboratory Number: G368-71

SGS Environmental Services
5500 Business Drive
Wilmington, North Carolina 28405
Telephone: 910-350-1903

SGS North America, Inc.

CASE NARRATIVE

Tetra Tech

Project: Goodyear Dump Site

SGS Laboratory Number: G368-71

DATE: July 7, 2009

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within. The Laboratory Manager or designee, as verified by the following signature has authorized release of the data contained in the hard copy data package.

SAMPLE RECEIPT OBSERVATIONS:

The samples were received July 2nd, 2009 at 1000 via courier in good condition. The samples arrived with a temperature of 5.9° C.

Submitted by,

Linda McWhirter
Project Manager

SGS North America, Inc.
CASE NARRATIVE
Tetra Tech
Project: Goodyear Dump Site
SGS Laboratory Number: G368-71

DATE: July 7, 2009

PCB REPORT:

The samples were analyzed for PCB's according to the guidelines of Method SW8082.

The PCB responses were quantitated by the Aroclor multi-component analysis, using at minimum three unique peaks of the pattern.

All initial calibration verifications and continuing calibration verifications met acceptance criteria. The 5-pt. initial calibration consists of Aroclor s 1221, 1232, 1242, 1248, 1254, PCB 1016/1260 and Surrogates.

The surrogate standard percent recoveries were within quality control criteria.

The method blank was free of interferences.

The LCS met all acceptance criteria.

The Quantitation Limits (RL) are adjusted for percent solids, dilution factors and extraction volumes as applicable.

The sampling to extraction holding time and extraction to analysis holding time was met for the samples.

SGS North America, Inc.
CASE NARRATIVE
Tetra Tech
Project: Goodyear Dump Site
SGS Laboratory Number: G368-71

DATE: July 7, 2009

METALS REPORT:

The sample was analyzed for Lead according to the guidelines of Method SW6010B.

The initial calibration verifications met acceptance criteria.

The continuing calibration verifications met acceptance criteria.

The initial and continuing calibration blanks met acceptance criteria.

The method blanks were free of interference at the RL for all the analytes of interest.

The laboratory control sample and duplicate were acceptable.

The matrix spike and matrix spike duplicate met acceptance criteria.

The interference check samples met acceptance criteria for analytes of interest.

The Quantitation Limits (RL) are adjusted for percent solids, sample volumes and dilution factors as applicable.

The sampling to digestion and digestion to analysis holding times were met for the samples.

SGS North America, Inc. G368-71

(C of C) LIMS No:

Research

Request for Laboratory Services and CHAIN OF CUSTODY (General)

Environmental Laboratory, 185 Concession St Lakefield, ON, K0L 2H0 Phone: 705-652-[illegible] Toll Free: 1-877-848-8060 Fax: 705-652-6365 Web: www.

Laboratory Section

Condition upon receipt:

Received Date: ___ / ___ (mm/dd)

Logged-in Date: ___ / ___ / ___

Temperature upon receipt:

Quote #: ENV2004-

Attached Parameter List: ☐ NO ☐ YES

Requested Turnaround Time: Lab App.

24-48h ☒ 7-10 d ☐

5-7 d ☐ Other: ☐ Specify:

*Rush TA requests require lab approval

Fax:

Information PO No.: Project No.:

Company Name: TETRA TECH

Contact: SHERRY WEEDMAN Client Lab #:

Address: 2000 WATERFRONT WAY SUITE 245 LOUISVILLE KY 40222

Telephone Number: 502-568-6688 After Hours Phone Number:

Fax Number: 502-568-6222 Email: SHERRY.WEEDMAN@TTEMI.COM

Results will be sent via email to an unlimited number of addresses for no additional fee. In the absence of email, fax is available upon request but limited to one fax number free.

Format (please check one): Email-PDF ☐ Email-Excel ☐ Fax ☒

	Sample Identifier	Date Sampled	Time	# of Bottles	Analysis: LEAD TOTAL 6010C	PCBS 8082A					
1	GYD-CS-03	7-1-09	1346	2	☒	☐	☐	☐	☐	☐	☐
2	GYD-CS-05-R1	↓	1612	↓	☒	☒	☐	☐	☐	☐	☐
3	GYD-CS-06	↓	1704	↓	☒	☐	☐	☐	☐	☐	☐
4					☐	☐	☐	☐	☐	☐	☐
5					☐	☐	☐	☐	☐	☐	☐
6					☐	☐	☐	☐	☐	☐	☐
7					☐	☐	☐	☐	☐	☐	☐
8					☐	☐	☐	☐	☐	☐	☐
9					☐	☐	☐	☐	☐	☐	☐
10					☐	☐	☐	☐	☐	☐	☐

Sampled By: TODD CURTIS Date: 7-1-09 2025

Authorization to Perform Work: Date: ___ / ___ / ___ (mm/dd/yy)

Revision #: 1.6 CONFIDENTIAL Page 1 of 1

Received by: 5.9 10:00 7/2/09

no seal

SGS Environmental Services, Inc.

Cust Proj ID:
Client Name: Tetra Tech EM, Inc. PO:

G368-71

Due Date: 2009-07-06 17:00:00
Login Date: 2009-07-02 10:20:51

Sample ID		Cust Sample ID	PRI	Date Collected	Date Received	Date Due	Matrix	LOC	Report	Analysis	Status
G368-71-1	A	GYD-CS-03	**RUSH**	2009-07-01 13:46:00	2009-07-02	2009-07-06	Soil	W1B	Summary	Pb	LG::REVW
	B					2009-07-06	Soil	L1	Summary	Pb	LG::REVW
G368-71-2	A	GYD-CS-05-R1	**RUSH**	2009-07-01 16:12:00	2009-07-02	2009-07-06	Soil	W1B	Summary	8082-Soil	LG::REVW
						2009-07-06	Soil	W1B	Summary	Pb	LG::REVW
	B					2009-07-06	Soil	L1	Summary	8082-Soil	LG::REVW
						2009-07-06	Soil	L1	Summary	Pb	LG::REVW
G368-71-3	A	GYD-CS-06	**RUSH**	2009-07-01 17:04:00	2009-07-02	2009-07-06	Soil	W1B	Summary	Pb	LG::REVW
	B					2009-07-06	Soil	L1	Summary	Pb	LG::REVW

SGS North America, Inc.

Sample Receipt Checklist (SRC)

SGS Environmetal Services Inc.

Client: **Tetra Tech EM, Inc.** Lab Proj. ID: **G368-71**

Client Proj. ID: _____

1. X Shipped
__ Hand Delivered
Notes: _____

2. X Proper, full, and complete documentation
(unique sample identification on durable label with indelible ink, location of collection, date/time of collection, collector's name, preservation type, sample type (method/matrix))
__ Acceptable documentation (but, incomplete)
__ Unacceptable documentation
Notes: _____

3. __ Custody Tape on Container
X No Custody Tape
Notes: _____

4. X Samples Intact*
(are in appropriate container, are not damaged, and do not show signs of contamination)
__ Samples Broken / Leaking
__ VOA Vials Checked for Air Bubbles
Notes: _____

5. X Chilled on Receipt* Actual Temp.(s) in °C: 5.9
__ Ambient on Receipt
__ Walk-in on Ice; Coming down to temp.
__ Received out of temperature protocol
Notes: _____

6. X Sufficient Sample Submitted
__ Insufficient Sample Submitted
Notes: _____

7. X Samples Preserved Correctly*
(see preservative checklist where applicable)
__ Improper Preservative(s)
__ None recommended (N/A)
Notes: _____

8. X Received Within Holding Time
__ Not Received Within Holding Time
__ N/A
Notes: _____

9. X No Discrepancies Noted
__ Discrepancies Noted
Notes: _____

Comments: _____

* = Rejection of sample is required when not marked; Contact client services immediately for a resolution.

Inspected and Logged in by: _____
Date / Time: Thu-7/2/09 10:21

DC27.091503.3

8082 Prep, Standard, Run Logs

Prep Report for Batch 14562 (8082/3541/SOIL) on 2009-07-02 by alt

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot	HexaneLot	Balance
G1080-1-3B (629694)		34.30			8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
G368-71-2D (629691)		33.91			8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
G368-71-2E (629692)	MS	32.06	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
G368-71-2F (629693)	MSD	33.67	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
LCS14562	LCS	32.0	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
PB14562	PB	32.0			8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	6/16/2009 12:07					BWS	
001B0102.D	b	6/16/2009 12:19					BWS	
001B0103.D	b	6/16/2009 12:32					BWS	
001B0104.D	b	6/16/2009 12:45					BWS	
001B0105.D	b	6/16/2009 12:58					BWS	
002B0201.D	PCB 2000	6/16/2009 13:11					BWS	
002B0202.D	PCB 2000	6/16/2009 13:24					BWS	
002B0203.D	PCB 2000	6/16/2009 13:37					BWS	
002B0204.D	PCB 2000	6/16/2009 13:50					BWS	
002B0205.D	PCB 2000	6/16/2009 14:02					BWS	
003B0301.D	b	6/16/2009 14:15					BWS	
003B0302.D	b	6/16/2009 14:28					BWS	
003B0303.D	b	6/16/2009 14:40					BWS	
003B0304.D	b	6/16/2009 14:53					BWS	
003B0305.D	b	6/16/2009 15:06					BWS	
004B0401.D	A1221 x2000 ICAL	6/16/2009 15:19	Good curve F+B	✓	✓		BWS	
005B0501.D	A1221 x1000 ICAL	6/16/2009 15:32	↓	↓	↓		BWS	
006B0601.D	A1221 x500 ICAL	6/16/2009 15:45	↓	↓	↓		BWS	
007B0701.D	A1221 x200 ICAL	6/16/2009 15:57	↓	↓	↓		BWS	
008B0801.D	A1221 x100 ICAL	6/16/2009 16:10	↓	↓	↓		BWS	
009B0901.D	A1221 x40 ICAL	6/16/2009 16:23	↓	↓	↓		BWS	
010B1001.D	A1232 x2000 ICAL	6/16/2009 16:36	Good curve F+B	✓	✓		BWS	
011B1101.D	A1232 x1000 ICAL	6/16/2009 16:49	↓	↓	↓		BWS	
012B1201.D	A1232 x500 ICAL	6/16/2009 17:02	↓	↓	↓		BWS	

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

SGS North America, Inc.

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082 | Initial Cal. Curve: 06/16/09

Matrix: Soil/Water | Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
013B1301.D	A1232 x200 ICAL	6/16/2009 17:15	Good Curve F + B	✓	✓		BWS	
014B1401.D	A1232 x100 ICAL	6/16/2009 17:28		↓	↓		BWS	
015B1501.D	A1232 x40 ICAL	6/16/2009 17:40		↓	↓		BWS	
016B1601.D	A1242 x2000 ICAL	6/16/2009 17:53	Good Curve F+B	✓	✓		BWS	
017B1701.D	A1242 x1000 ICAL	6/16/2009 18:06		↓	↓		BWS	
018B1801.D	A1242 x500 ICAL	6/16/2009 18:19		↓	↓		BWS	
019B1901.D	A1242 x200 ICAL	6/16/2009 18:32		↓	↓		BWS	
020B2001.D	A1242 x100 ICAL	6/16/2009 18:45		↓	↓		BWS	
021B2101.D	A1242 x40 ICAL	6/16/2009 18:58		↓	↓		BWS	
022B2201.D	A1248 x2000 ICAL	6/16/2009 19:11	Good Curve F+B	✓	✓		BWS	
023B2301.D	A1248 x1000 ICAL	6/16/2009 19:24		↓	↓		BWS	
024B2401.D	A1248 x500 ICAL	6/16/2009 19:37		↓	↓		BWS	
025B2501.D	A1248 x200 ICAL	6/16/2009 19:49		↓	↓		BWS	
026B2601.D	A1248 x100 ICAL	6/16/2009 20:02		↓	↓		BWS	
027B2701.D	A1248 x40 ICAL	6/16/2009 20:15		↓	↓		BWS	
028B2801.D	A1254 x2000 ICAL	6/16/2009 20:28	Good Curve F+B	✓	✓		BWS	
029B2901.D	A1254 x1000 ICAL	6/16/2009 20:41		↓	↓		BWS	
030B3001.D	A1254 x500 ICAL	6/16/2009 20:54		↓	↓		BWS	
031B3101.D	A1254 x200 ICAL	6/16/2009 21:07		↓	↓		BWS	
032B3201.D	A1254 x100 ICAL	6/16/2009 21:20		↓	↓		BWS	
033B3301.D	A1254 x40 ICAL	6/16/2009 21:33		↓	↓		BWS	
034B3401.D	PCB x2000 ICAL	6/16/2009 21:46	Good Curve F+B	✓	✓		BWS	
035B3501.D	PCB x1000 ICAL	6/16/2009 21:58		↓	↓		BWS	

Analyst: [illegible] Standards: Curve = ECD04-W9T QC = ECD04-W10A Page Number: 2

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082 | Initial Cal. Curve: 06/16/09

Matrix: Soil/Water | Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
036B3601.D	PCB x500 ICAL	6/16/2009 22:11	Good Curve F + B	✓	✓		BWS	
037B3701.D	PCB x200 ICAL	6/16/2009 22:24					BWS	
038B3801.D	PCB x100 ICAL	6/16/2009 22:37					BWS	
039B3901.D	PCB x40 ICAL	6/16/2009 22:50					BWS	
040B4001.D	cvs-1221-1000	6/16/2009 23:03			✓		BWS	
041B4101.D	cvs-1232-1000	6/16/2009 23:16			✓		BWS	
042B4201.D	cvs-1242-1000	6/16/2009 23:29			✓		BWS	
043B4301.D	cvs-1248-1000	6/16/2009 23:42			✓		BWS	
044B4401.D	cvs-1254-1000	6/16/2009 23:55			✓		BWS	
045B4501.D	cvs-PCB-1000	6/17/2009 0:07			✓		BWS	
046B4601.D	PB14434 x1	6/17/2009 0:20			✓		BWS	
047B4701.D	LCS14434 x1	6/17/2009 0:33			✓		BWS	
048B4801.D	LCSD14434 x1	6/17/2009 0:46			✓		BWS	
049B4901.D	G582-382-1O x100	6/17/2009 0:59	54-5; 60-3 (54,60)		~~X200~~		BWS	
050B5001.D	G582-386-1J x1	6/17/2009 1:12	54-5; 60-3 (54,60)		✓		BWS	
051B5101.D	G582-387-1I x1	6/17/2009 1:25			x5		BWS	
052B5201.D	G100-1090-6D x1	6/17/2009 1:38			✓		BWS	
044B5301.D	cvs-1254-1000	6/17/2009 1:50			✓		BWS	
045B5401.D	cvs-PCB-1000	6/17/2009 2:03			✓		BWS	
		BWS	6.17.09					

Analyst: BWS | Standards: Curve = ECD04-W9T QC = ECD04-W10A | Page Number: 3

SGS North America, Inc.

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec070209

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	7/2/2009 8:32					BWS	
002B0201.D	b	7/2/2009 8:44					BWS	
003B0301.D	b	7/2/2009 8:57					BWS	
004B0401.D	cvs-1221-1000	7/2/2009 9:10			✓		BWS	
005B0501.D	cvs-1232-1000	7/2/2009 9:23			✓		BWS	
006B0601.D	cvs-1242-1000	7/2/2009 9:36			✓		BWS	
007B0701.D	cvs-1248-1000	7/2/2009 9:49			✓		BWS	
008B0801.D	cvs-1254-1000	7/2/2009 10:02			✓		BWS	
009B0901.D	cvs-PCB-1000	7/2/2009 10:14			✓		BWS	
010B1001.D	PB14554 x1	7/2/2009 10:27			✓		BWS	
011B1101.D	PBT14554 x1	7/2/2009 10:40			✓		BWS	
012B1201.D	LCS14554 x1	7/2/2009 10:53			✓		BWS	
013B1301.D	G885-49-3B x1	7/2/2009 11:06			✓		BWS	
014B1401.D	G885-49-4B x1	7/2/2009 11:19			✓		BWS	
015B1501.D	G885-49-3C MS x	7/2/2009 11:32	cid= 629183		✓		BWS	
016B1601.D	G885-49-3D MSD x1	7/2/2009 11:44	cid= 629184		✓		BWS	
017B1701.D	cvs-1254-1000	7/2/2009 11:57			✓		BWS	
018B1801.D	cvs-PCB-1000	7/2/2009 12:10			✓		BWS	
019B0101.D	PB14562 x1	7/2/2009 15:45			✓		BWS	
020B0201.D	LCS14562 x1	7/2/2009 15:58			✓		BWS	
021B0301.D	G368-71-2D x1	7/2/2009 16:11			✓		BWS	
022B0401.D	G1080-1-3B x1	7/2/2009 16:24			Cu		BWS	
023B0501.D	G368-71-2E MS x1	7/2/2009 16:37	cid= 629692		✓		BWS	

Analyst: [illegible]

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec070209

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
024B0601.D	G368-71-2F MSD x1	7/2/2009 16:49	cid= 629693		✓		BWS	
025B0701.D	G1080-1-3B x1	7/2/2009 17:02			✓		BWS	
026B0801.D	cvs-1254-1000	7/2/2009 17:15			✓		BWS	
027B0901.D	cvs-PCB-1000	7/2/2009 17:28			✓		BWS	

BWS 7-6-09

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 2

SGS North America Inc.

8082 Calibration Raw Data

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	245.3261566	2.81282
		2	155.8206329	2.9226999
		3	638.8563843	2.9537599
		4	0	0
		5	0	0
	100	1	500.9041748	2.8134401
		2	303.3854675	2.92314
		3	1263.362671	2.9544599
		4	0	0
		5	0	0
	200	1	1008.540039	2.8132801
		2	614.2987671	2.9228699
		3	2581.186279	2.9542
		4	0	0
		5	0	0
	500	1	2391.794678	2.8136101
		2	1448.612183	2.9233999
		3	5996.157715	2.9551401
		4	0	0
		5	0	0
	1000	1	5249.20459	2.8127799
		2	2938.137451	2.92238
		3	12695.41699	2.9535899
		4	0	0
		5	0	0
	2000	1	10792.90527	2.81248
		2	5933.97168	2.92207
		3	25705.44531	2.9533701
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	2.7831	2.8431
2	2.8928	2.9528
3	2.9241	2.9841
4		
5		

Peak	Correlation Coefficient (r)
1	0.999547291
2	0.99993285
3	0.999800257
4	
5	

Peak	Slope (y)
1	0.184846976
2	0.338626207
3	0.077910074
4	
5	

Peak	Intercept (b)
1	18.03074848
2	-3.063931603
3	5.287071647
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	128.4451447	3.47328
		2	130.5376434	3.7929001
		3	138.2742157	4.1808
		4	77.82170105	4.6981201
		5	96.44385529	5.0638099
	100	1	216.2887573	3.4734199
		2	200.2416382	3.79285
		3	210.9858551	4.1808701
		4	116.2147293	4.6984401
		5	142.0018921	5.0647101
	200	1	486.6502991	3.4735601
		2	427.340332	3.7934599
		3	469.4269409	4.1813598
		4	247.6925964	4.6983299
		5	301.9916687	5.0646
	500	1	1370.64856	3.4731901
		2	1150.080566	3.7936101
		3	1341.419922	4.1807799
		4	687.4240723	4.6979799
		5	817.4537964	5.0646801
	1000	1	2691.677979	3.4730201
		2	2218.20874	3.7932701
		3	2850.830322	4.1803799
		4	1341.828247	4.6978002
		5	1594.224243	5.0641999
	2000	1	5829.130859	3.4735501
		2	4788.60791	3.7937801
		3	7059.396484	4.1809101
		4	2918.447266	4.6979399
		5	3467.224609	5.06462

Peak	RT Window From	RT Window To
1	3.4433	3.5033
2	3.7633	3.8233
3	4.1508	4.2108
4	4.6681	4.7281
5	5.0344	5.0944

Peak	Correlation Coefficient (r)
1	0.999266493
2	0.999219182
3	0.995103716
4	0.999080518
5	0.999057834

✓

Peak	Slope (y)
1	0.342282466
2	0.419088189
3	0.280616234
4	0.686112548
5	0.578432121

Peak	Intercept (b)
1	28.29322338
2	17.30362431
3	75.4780663
4	23.70756688
5	21.14125161

PCB Initial Calibration Summary

Sample ID: A1242
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	113.9381485	3.47331
		2	252.1701965	3.7927699
		3	246.2476196	4.1816001
		4	149.9369507	4.69876
		5	173.3050385	5.0646601
	100	1	207.6104431	3.4740601
		2	414.2875061	3.7943499
		3	543.1567383	4.1816502
		4	276.8204651	4.6985002
		5	336.6770325	5.06496
	200	1	395.3930054	3.4739399
		2	780.1361694	3.79441
		3	1045.235474	4.18186
		4	536.1246948	4.6989398
		5	648.7318115	5.0650902
	500	1	960.0159912	3.47364
		2	1938.765625	3.79444
		3	2829.961426	4.1811299
		4	1360.825806	4.6981301
		5	1634.499023	5.06464
	1000	1	2033.830322	3.4737101
		2	4071.440674	3.7948501
		3	6488.691406	4.18156
		4	2958.269775	4.6987901
		5	3563.592041	5.0651002
	2000	1	3962.707275	3.4741099
		2	7946.291992	3.79532
		3	12468.87988	4.1816802
		4	5915.206055	4.6987801
		5	7151.570801	5.0652599

Peak	RT Window From	RT Window To
1	3.4438	3.5038
2	3.7644	3.8244
3	4.1516	4.2116
4	4.6687	4.7287
5	5.0350	5.0950

Peak	Correlation Coefficient (r)
1	0.999808258
2	0.999804811
3	0.999330689
4	0.999726656
5	0.999718569

✓

Peak	Slope (y)
1	0.504723015
2	0.251962874
3	0.157819658
4	0.336631004
5	0.278421794

Peak	Intercept (b)
1	-5.498271349
2	-6.834562602
3	18.65946912
4	11.78013154
5	13.16229906

PCB Initial Calibration Summary

Sample ID: A1248
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	180.3321991	4.46912
		2	266.9612122	4.6998501
		3	314.8575134	5.0650902
		4	283.4669495	5.2547898
		5	125.6370163	5.6012502
	100	1	311.6848145	4.4682598
		2	390.6215515	4.6981702
		3	563.4898682	5.0645099
		4	539.5948486	5.2544198
		5	232.8683472	5.6003799
	200	1	701.99823	4.4685998
		2	905.8077393	4.6981902
		3	1303.56958	5.0648398
		4	1268.165771	5.2543702
		5	535.5101318	5.6005902
	500	1	1901.684937	4.4695501
		2	2512.919678	4.69941
		3	3658.345947	5.0655298
		4	3585.534424	5.2551899
		5	1494.218994	5.6015201
	1000	1	4111.20459	4.4686298
		2	5394.391602	4.6985502
		3	7994.771484	5.0648599
		4	7896.041504	5.2544498
		5	3272.715576	5.60109
	2000	1	8806.677734	4.4691
		2	11836.07129	4.6990199
		3	17186.01758	5.0652699
		4	17175.9707	5.25488
		5	7110.137695	5.6010199

Peak	RT Window From	RT Window To
1	4.4389	4.4989
2	4.6689	4.7289
3	5.0350	5.0950
4	5.2247	5.2847
5	5.5710	5.6310

Peak	Correlation Coefficient (r)
1	0.999214642
2	0.998741491
3	0.9991701
4	0.99898148
5	0.998990615

✓

Peak	Slope (y)
1	0.225261722
2	0.167686467
3	0.115080361
4	0.114998218
5	0.278205875

Peak	Intercept (b)
1	38.79213832
2	44.52374958
3	45.01435743
4	50.65762646
5	47.83472661

PCB Initial Calibration Summary

Sample ID: A1254
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	229.1189117	5.0585999
		2	249.3790131	5.2213602
		3	330.6585693	5.60078
		4	261.4362183	5.7873101
		5	341.5723877	6.2081499
	100	1	447.2060547	5.0588102
		2	505.8791199	5.22156
		3	680.1452026	5.6012301
		4	629.8706055	5.7874298
		5	720.9144897	6.20858
	200	1	926.4535522	5.0589399
		2	987.8835449	5.2212801
		3	1473.576904	5.60076
		4	1242.702637	5.78721
		5	1477.556396	6.2087498
	500	1	2630.861328	5.0586801
		2	2990.208008	5.2210898
		3	4376.578613	5.6012101
		4	3507.077637	5.7876501
		5	4512.064941	6.20889
	1000	1	5308.978027	5.0584302
		2	6097.466797	5.2210202
		3	8935.365234	5.6009202
		4	7195.558105	5.7871099
		5	9338.537109	6.2082801
	2000	1	10664.68945	5.0589399
		2	10872.67285	5.2214198
		3	18025.05078	5.60109
		4	14417.08203	5.7869501
		5	17500.42969	6.2084498

Peak	RT Window From	RT Window To
1	5.0287	5.0887
2	5.1913	5.2513
3	5.5710	5.6310
4	5.7573	5.8173
5	6.1785	6.2385

Peak	Correlation Coefficient (r)
1	0.999915636
2	0.99777029
3	0.999890888
4	0.99993799
5	0.999128405

✓

Peak	Slope (y)
1	0.186334645
2	0.180272726
3	0.1097659
4	0.137621182
5	0.112275523

Peak	Intercept (b)
1	12.44642635
2	-12.09119839
3	21.26104952
4	14.88497466
5	5.810303883

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	121.0674515	3.47349
		2	251.3697815	3.79391
		3	263.068573	4.1812401
		4	195.8108978	4.2961798
		5	160.0380554	4.6985602
	100	1	217.4214935	3.47403
		2	437.2928162	3.79476
		3	485.585144	4.1816101
		4	360.8550415	4.2965102
		5	295.4402771	4.69875
	200	1	459.3583984	3.47331
		2	925.944458	3.7941699
		3	1129.475098	4.18115
		4	785.0092773	4.2961998
		5	634.2442017	4.6986198
	500	1	1173.999146	3.4734199
		2	2337.430176	3.7948301
		3	3116.475342	4.1812501
		4	2094.157959	4.29603
		5	1677.998413	4.6981301
	1000	1	2033.769165	3.47434
		2	4170.358398	3.7955101
		3	5876.343262	4.1814098
		4	4022.451172	4.2962298
		5	3104.989746	4.6984301
	2000	1	4519.233398	3.4735301
		2	9469.867188	3.79459
		3	14670.11328	4.1814399
		4	8460.355469	4.2961302
		5	6825.107422	4.6985202

Peak	RT Window From	RT Window To
1	3.4437	3.5037
2	3.7646	3.8246
3	4.1513	4.2113
4	4.2662	4.3262
5	4.6685	4.7285

Peak	Correlation Coefficient (r)
1	0.998355568
2	0.997966813
3	0.995224524
4	0.999664696
5	0.99891501

Peak	Slope (y)
1	0.448394325
2	0.213628789
3	0.135993496
4	0.236777332
5	0.294674522

Peak	Intercept (b)
1	2.917677126
2	13.63103358
3	61.09697749
4	11.80448894
5	16.37941922

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	317.7681885	5.7591901
		2	382.4143982	5.9278698
		3	472.3563538	6.20647
		4	666.4926147	6.69345
		5	445.2432251	6.9662399
	100	1	561.5331421	5.75875
		2	743.8937378	5.9271998
		3	927.6226196	6.2058802
		4	1324.988892	6.6930399
		5	870.4468384	6.9654398
	200	1	1251.001831	5.7593498
		2	1690.699341	5.9280801
		3	2103.305664	6.20682
		4	3117.929688	6.6939502
		5	2021.848267	6.9668102
	500	1	3357.37085	5.7589998
		2	4654.072754	5.9275799
		3	5743.004883	6.2065001
		4	8792.444336	6.6933098
		5	5652.148438	6.96594
	1000	1	6291.233887	5.7596598
		2	9044.022461	5.9281502
		3	10616.62402	6.2068701
		4	17067.61328	6.6947699
		5	11121.81738	6.9676399
	2000	1	13629.30078	5.7596002
		2	19083.54102	5.9280601
		3	24213.02539	6.2066202
		4	36985.36719	6.6940398
		5	23803.99414	6.9664102

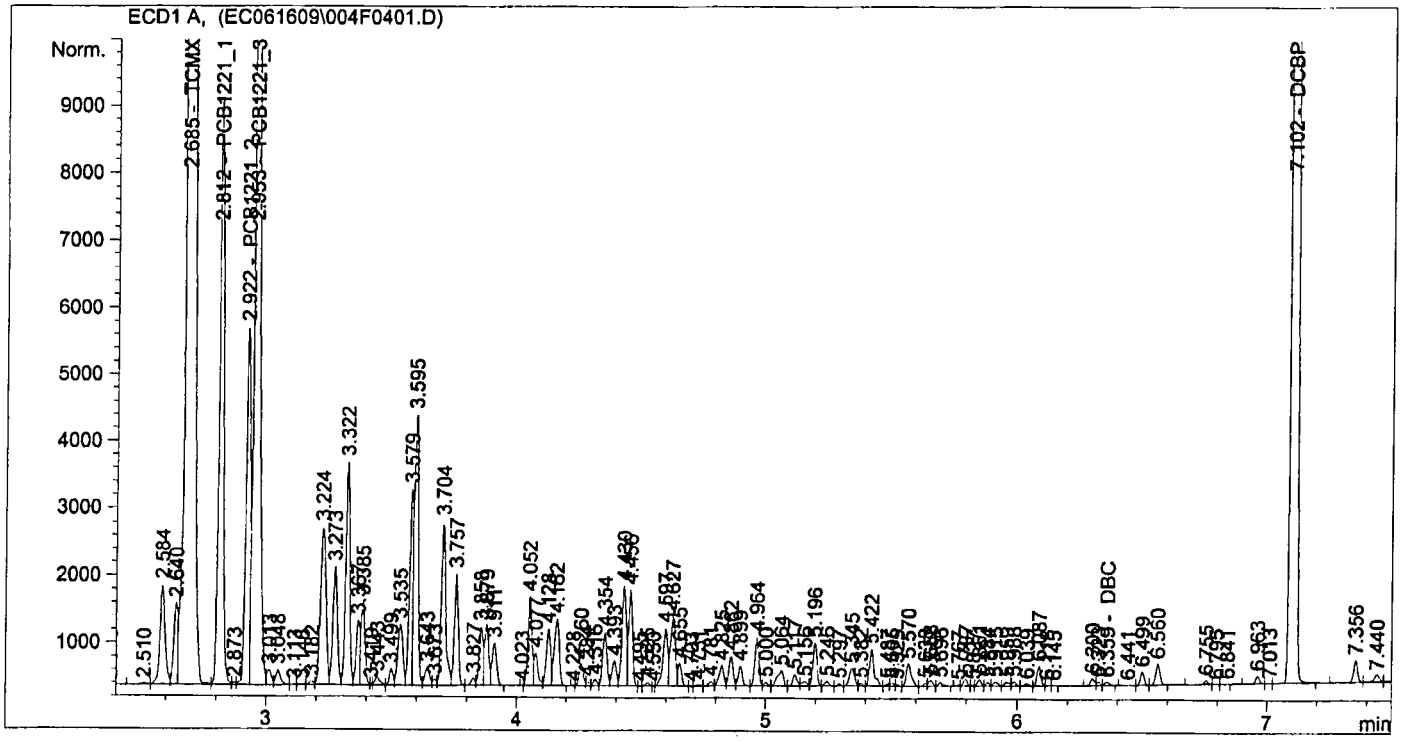
Peak	RT Window From	RT Window To
1	5.7293	5.7893
2	5.8978	5.9578
3	6.1765	6.2365
4	6.6638	6.7238
5	6.9364	6.9964

Peak	Correlation Coefficient (r)
1	0.999213429
2	0.999670366
3	0.99816869
4	0.999340639
5	0.999516287

Peak	Slope (y)
1	0.147230058
2	0.104555885
3	0.082761897
4	0.053867902
5	0.083666593

Peak	Intercept (b)
1	16.52465945
2	19.65871446
3	32.03194905
4	29.90259793
5	27.62331452

```
==================================================================
Injection Date  : 6/16/2009 2:53:36 PM          Seq. Line :   4
Sample Name     : A1221 x2000 ICAL               Location : Vial 4
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.25626e5	1.61557e-3	202.95710		TCMX
2.812	VV	1.07929e4	1.86633e-1	2014.31070		PCB1221_1
2.922	VV	5933.97168	3.38141e-1	2006.51791		PCB1221_2
2.953	VV	2.57054e4	7.81370e-2	2008.54689		PCB1221_3
6.359	VBA	68.02941	0.00000	0.00000		DBC
7.102	VB	1.02589e5	1.98494e-3	203.63239		DCBP

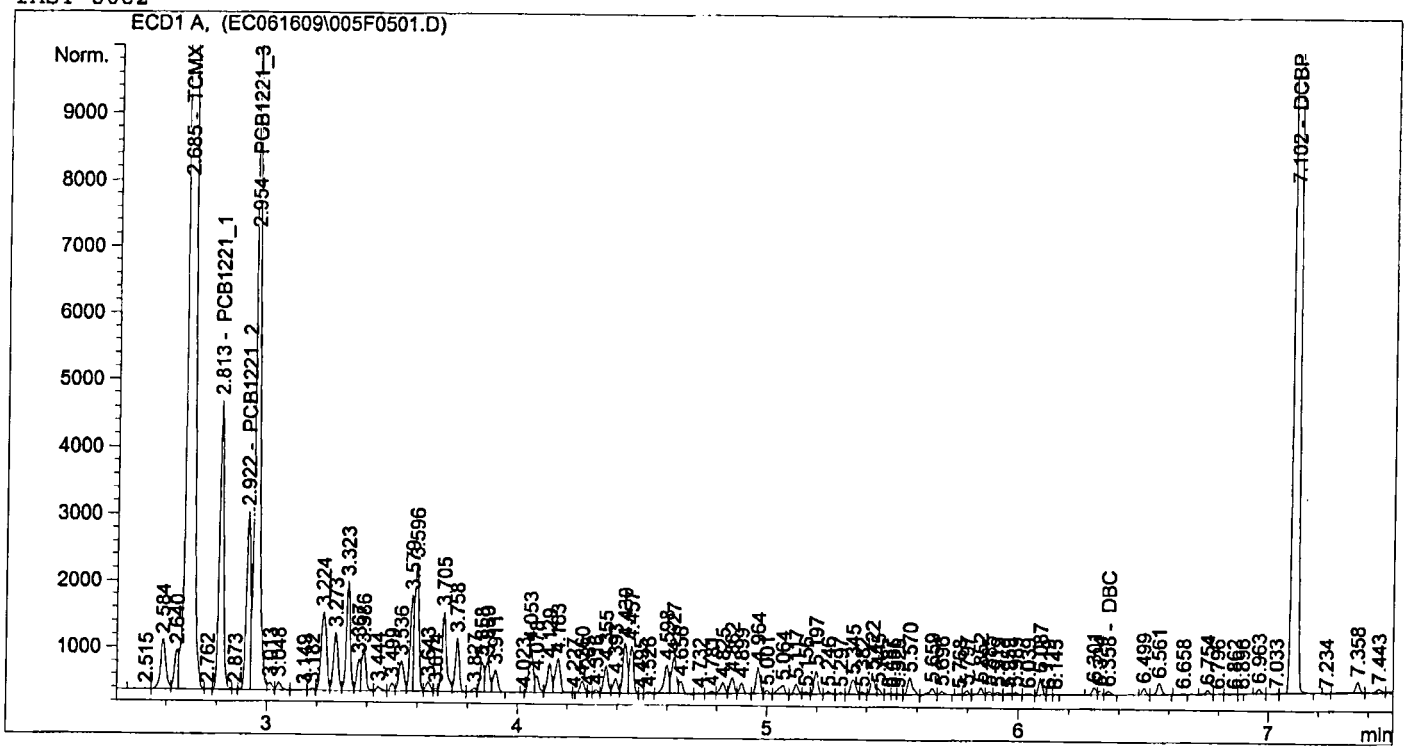
BWS
6·17·09

Totals : 6435.96498

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:06:27 PM          Seq. Line :   5
Sample Name     : A1221 x1000 ICAL               Location : Vial 5
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

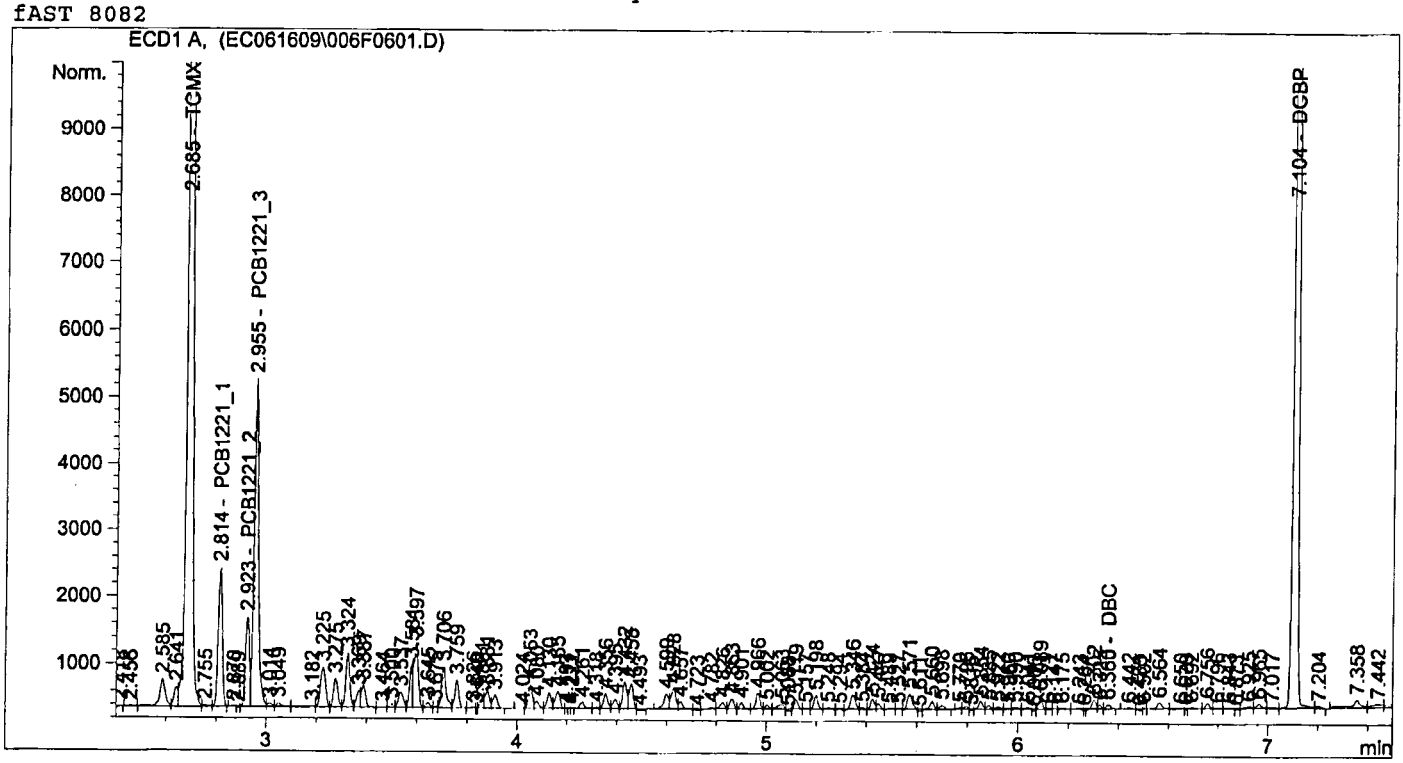
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85362e4	1.65228e-3	96.71822		TCMX
2.813	VV	5249.20459	1.88342e-1	988.64594		PCB1221_1
2.922	VV	2938.13745	3.37599e-1	991.91367		PCB1221_2
2.954	VV	1.26954e4	7.83377e-2	994.52957		PCB1221_3
6.358	VV	69.65521	0.00000	0.00000		DBC
7.102	VB	4.64764e4	2.03257e-3	94.46667		DCBP
Totals :				3166.27407		

JWS
6-17-09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:19:26 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2.50498e4	1.74417e-3	43.69111		TCMX
2.814	VP	2391.79468	1.92317e-1	459.98381		PCB1221_1
2.923	PV	1448.61218	3.36497e-1	487.45363		PCB1221_2
2.955	VV	5996.15771	7.87807e-2	472.38121		PCB1221_3
6.360	VBA	82.02856	0.00000	0.00000		DBC
7.104	VB	2.14117e4	2.13452e-3	45.70364		DCBP

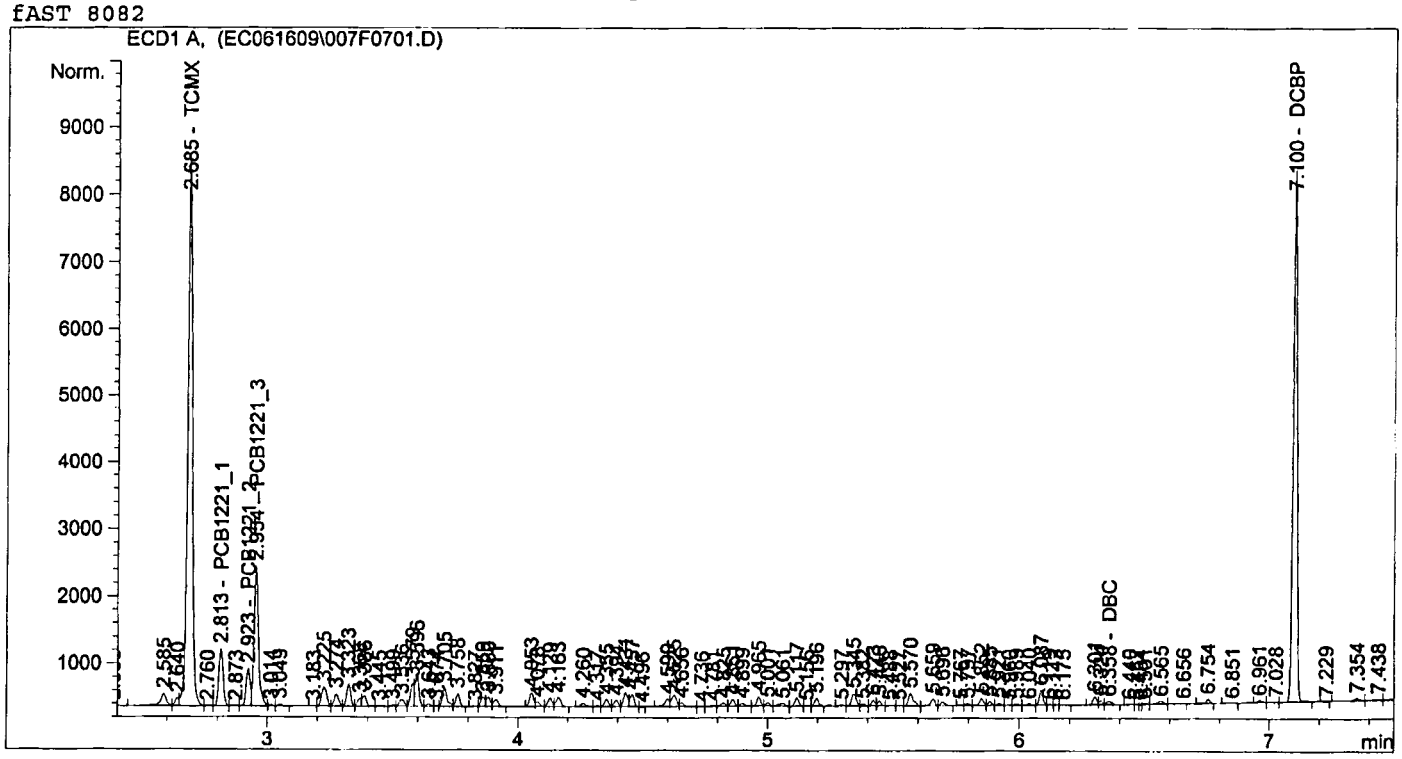
Totals : 1509.21340

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:32:12 PM          Seq. Line :   7
Sample Name     : A1221 x200 ICAL                Location : Vial 7
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

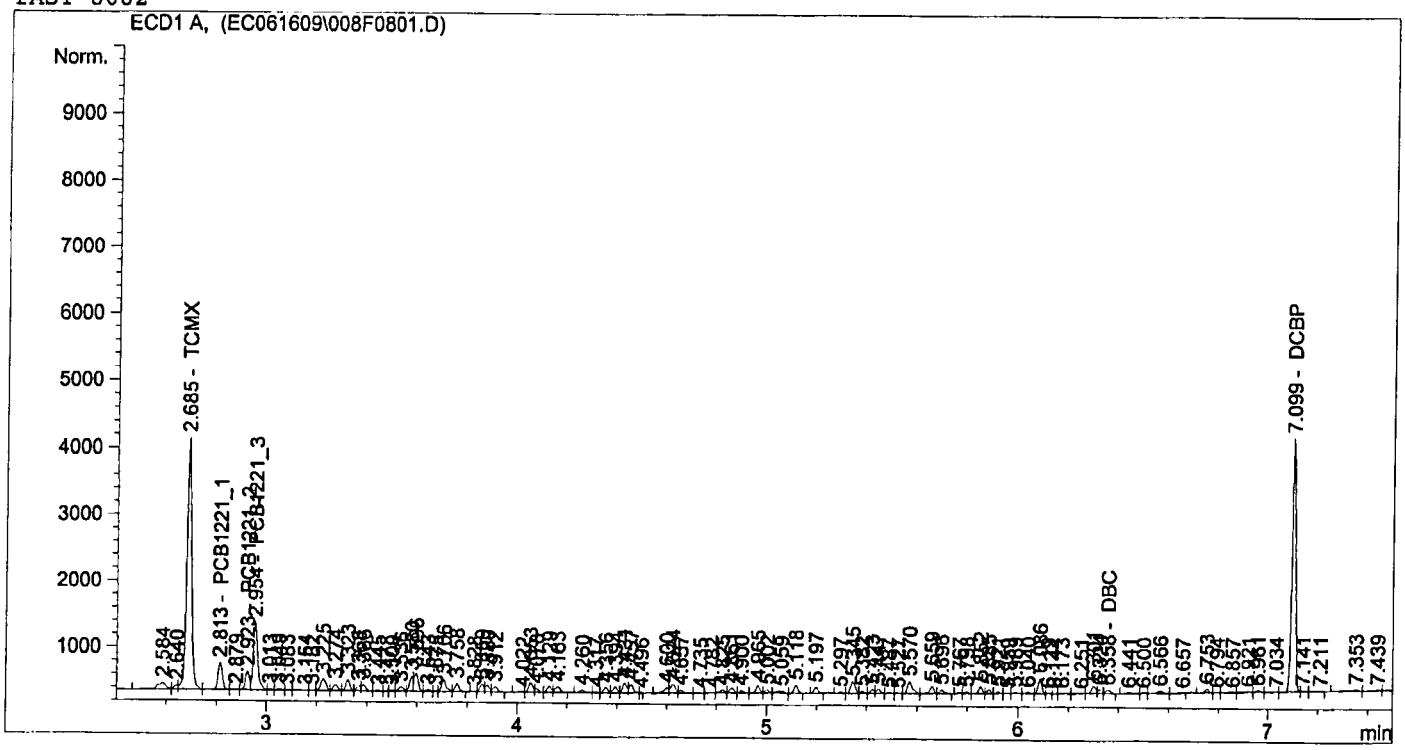
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.06479e4	1.96144e-3	20.88517		TCMX
2.813	VV	1008.54004	2.02334e-1	204.06171		PCB1221_1
2.923	VV	614.29877	3.33543e-1	204.89530		PCB1221_2
2.954	VV	2581.18628	7.98913e-2	206.21421		PCB1221_3
6.358	VBA	75.88888	0.00000	0.00000		DBC
7.100	VB	8395.22266	2.42761e-3	20.38030		DCBP
Totals :				656.43668		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

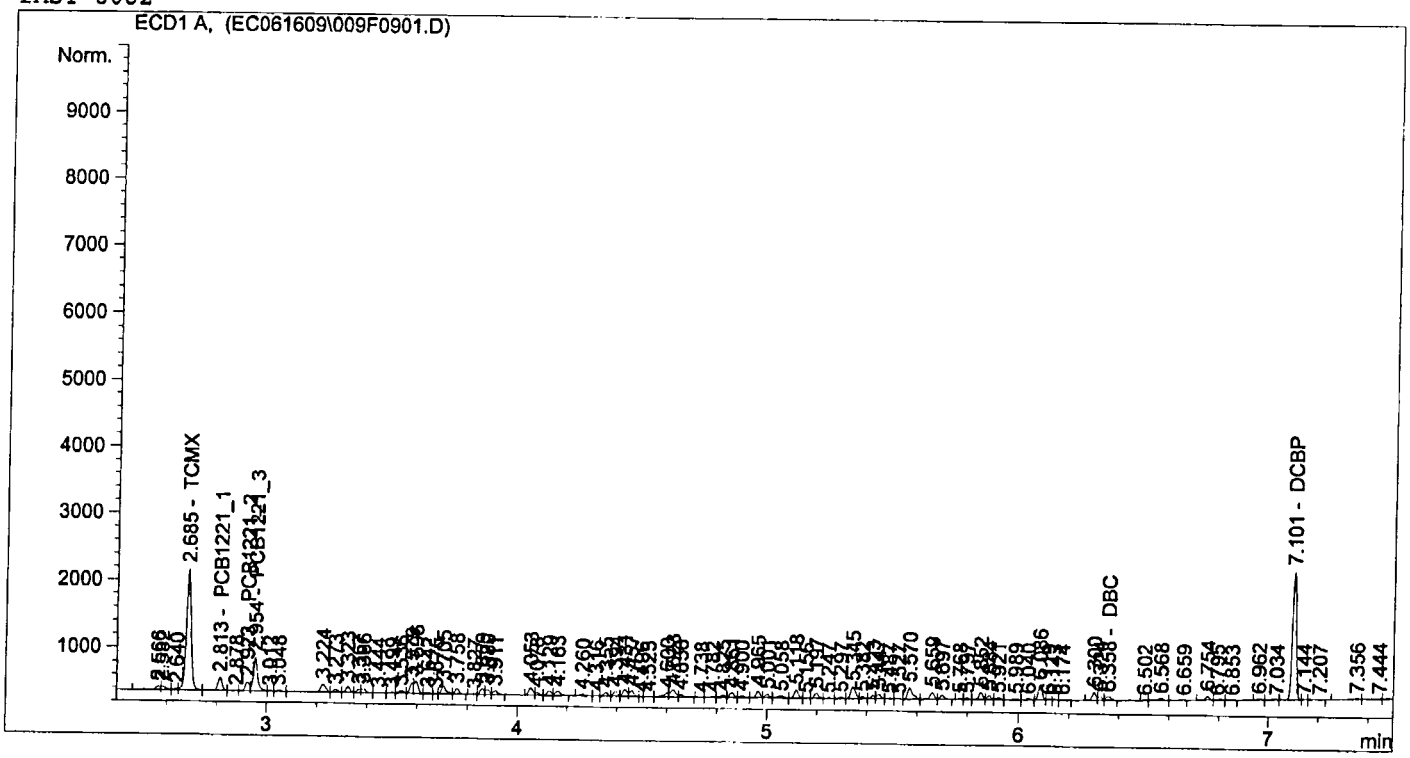
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	4984.73535	2.39078e-3	11.91740		TCMX
2.813	VB	500.90417	2.19886e-1	110.14174		PCB1221_1
2.923	VV	303.38547	3.28288e-1	99.59777		PCB1221_2
2.954	VV	1263.36267	8.19254e-2	103.50145		PCB1221_3
6.358	VBA	71.24101	0.00000	0.00000		DBC
7.099	VV	3984.79590	2.96122e-3	11.79987		DCBP
Totals :				336.95822		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   9
Sample Name     : A1221 x40 ICAL                 Location : Vial 9
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

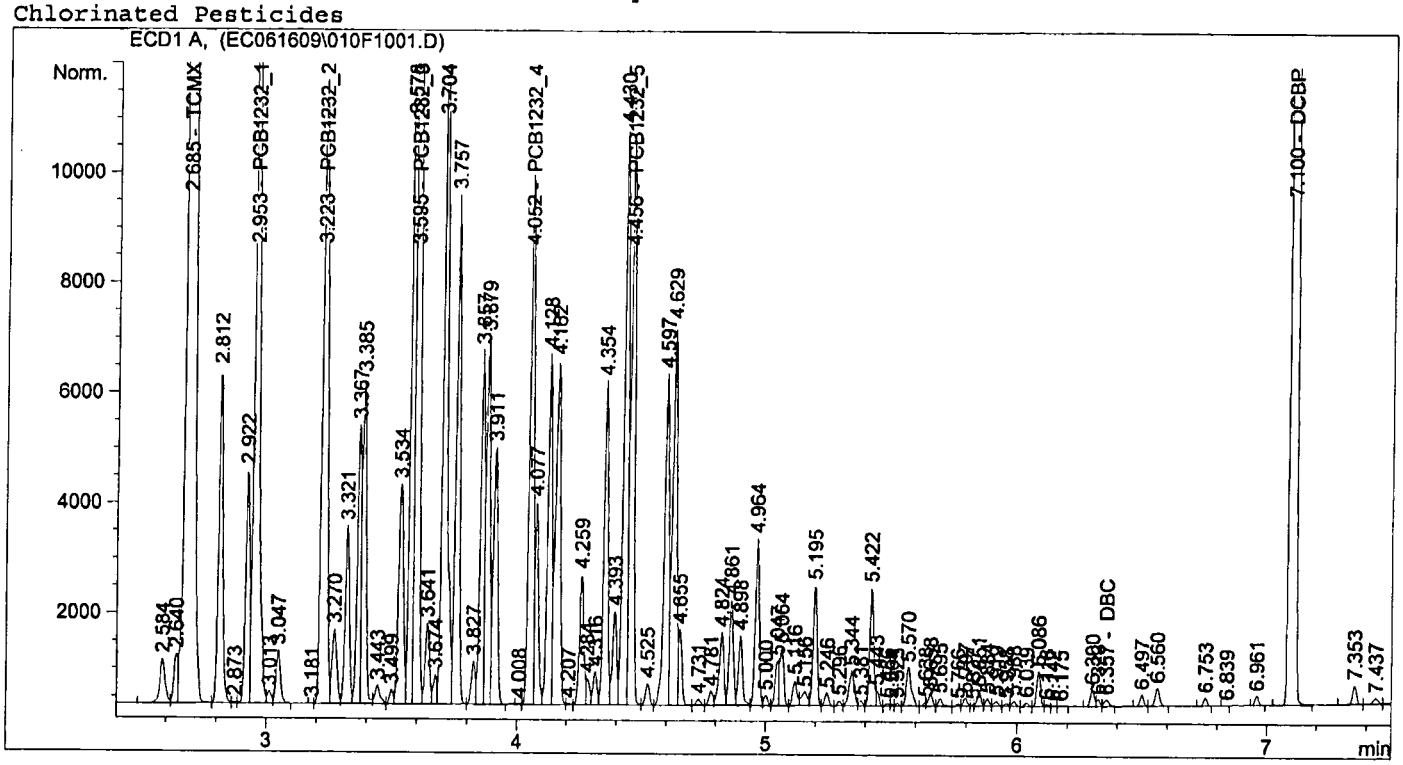
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2404.18335	3.25724e-3	7.83100		TCMX
2.813	VV	245.32616	2.56214e-1	62.85611		PCB1221_1
2.923	VV	155.82063	3.18454e-1	49.62173		PCB1221_2
2.954	VV	638.85638	8.58200e-2	54.82667		PCB1221_3
6.358	VBA	75.09637	0.00000	0.00000		DBC
7.101	VV	2040.43359	3.92913e-3	8.01714		DCBP
Totals :				183.15265		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 4:10:49 PM          Seq. Line :  10
Sample Name     : A1232 x2000 ICAL               Location : Vial 10
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.28585e5	1.57867e-3	202.99266		TCMX
2.953	VV	2.19295e4	9.15378e-2	2007.37971		PCB1232_1
3.223	VV	1.67455e4	1.20052e-1	2010.33401		PCB1232_2
3.595	VV	2.48887e4	8.13899e-2	2025.68521		PCB1232_3
4.052	VV	1.13965e4	1.77729e-1	2025.48786		PCB1232_4
4.456	VV	1.19353e4	1.69886e-1	2027.63778		PCB1232_5
6.357	VV	154.62846	1.31176	202.83508		DBC
7.100	PB	1.04339e5	1.95163e-3	203.63069		DCBP

Totals : 1.07060e4

BWS
6.17.09

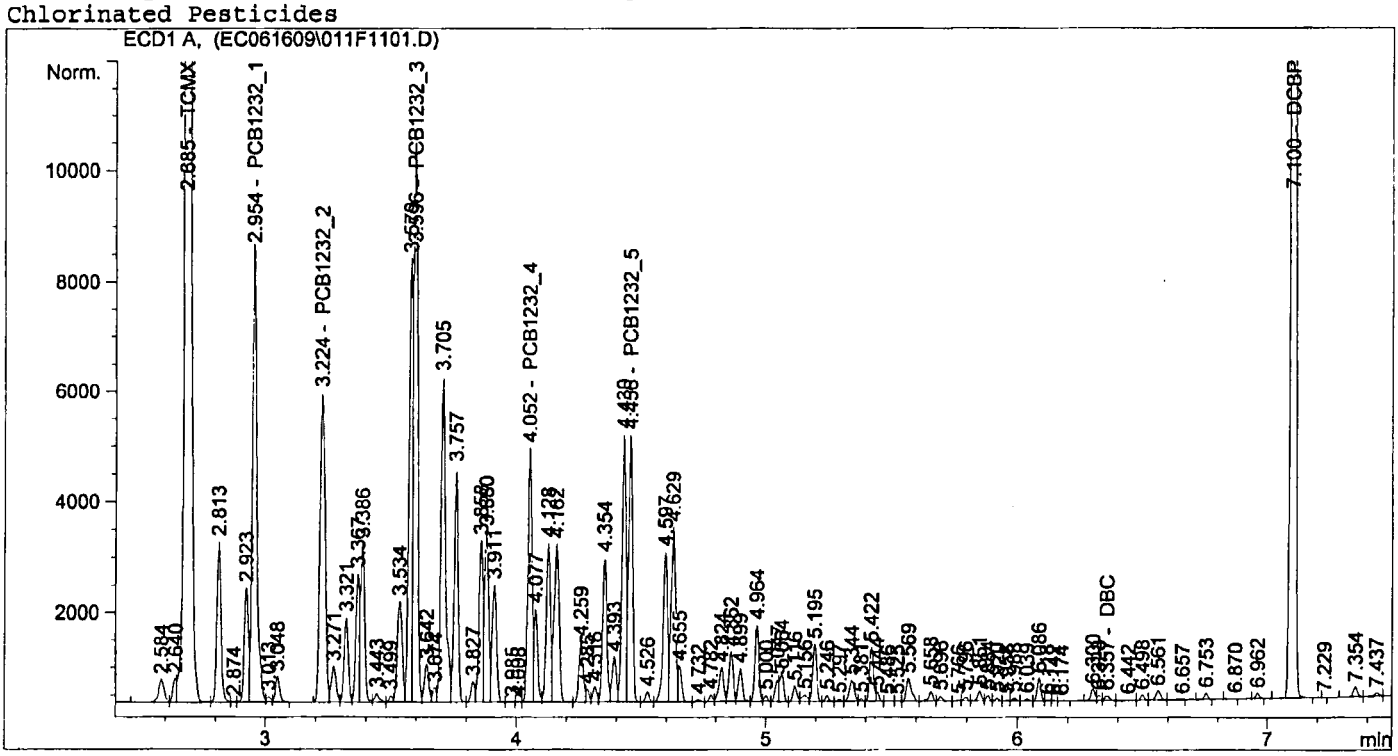
Results obtained with enhanced integrator!

==

*** End of Report ***

Data File C:\HPCHEM\1\DATA\EC061609\011F1101.D Sample Name: A1232 x1000 ICAL

```
==================================================================
Injection Date  : 6/16/2009 4:23:47 PM          Seq. Line :  11
Sample Name     : A1232 x1000 ICAL               Location : Vial 11
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85306e4	1.62639e-3	95.19388		TCMX
2.954	VV	1.06422e4	9.22723e-2	981.98283		PCB1232_1
3.224	VV	8107.24463	1.21205e-1	982.63823		PCB1232_2
3.596	VV	1.14238e4	8.29473e-2	947.57043		PCB1232_3
4.052	VV	5312.27930	1.80420e-1	958.44117		PCB1232_4
4.456	VV	5470.34326	1.73471e-1	948.94532		PCB1232_5
6.357	VV	105.82750	8.70158e-1	92.08665		DBC
7.100	BB	4.64543e4	2.01128e-3	93.43272		DCBP

BWS
6.17.09

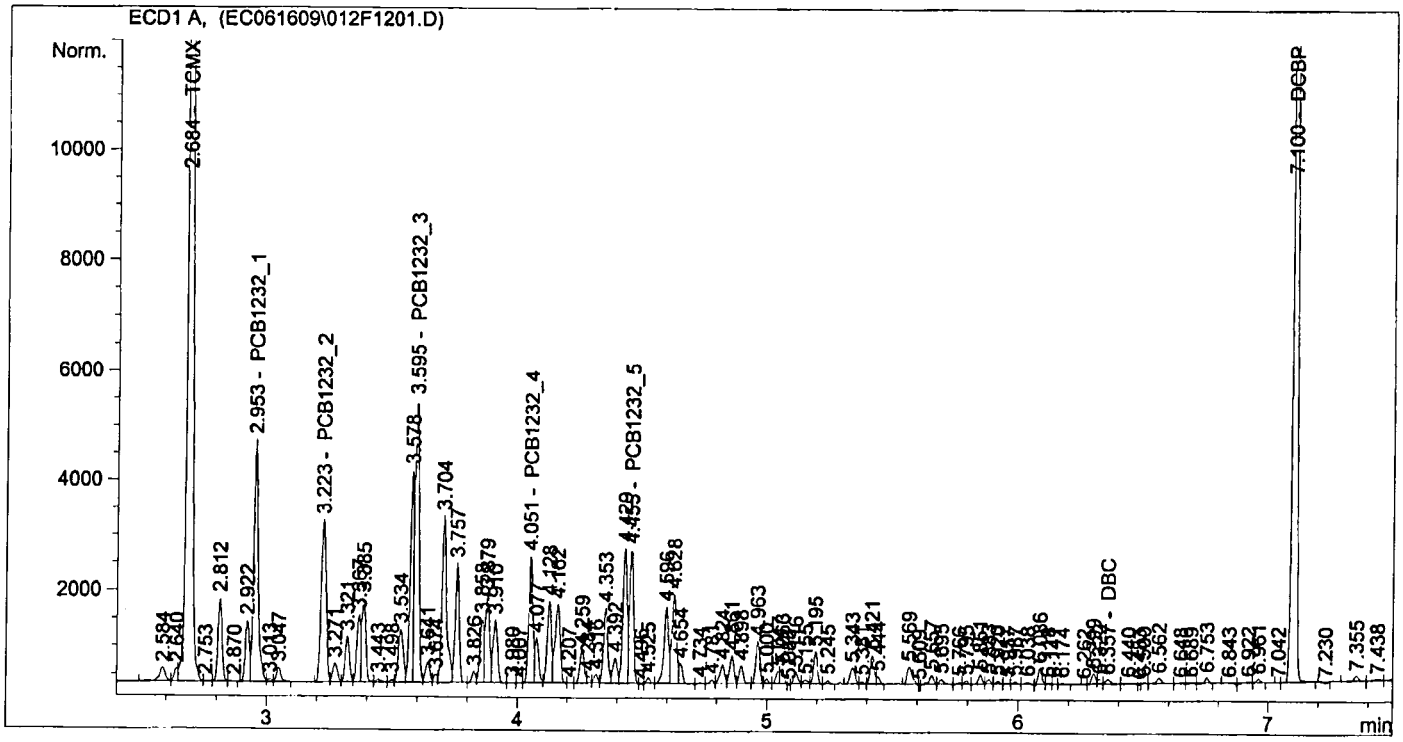
Totals : 5100.29123

Results obtained with enhanced integrator!

==

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 4:36:37 PM          Seq. Line :  12
Sample Name     : A1232 x500 ICAL                Location : Vial 12
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

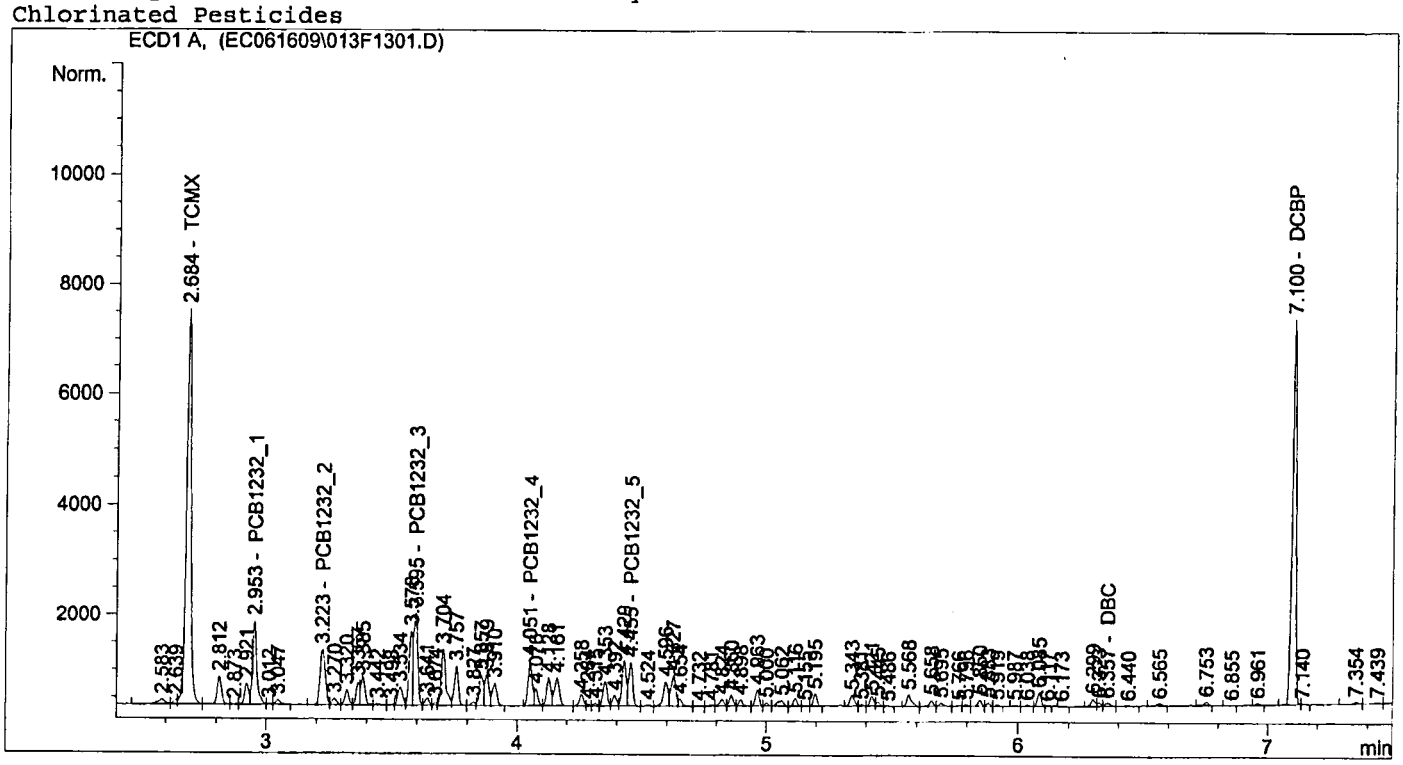
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2.74659e4	1.72547e-3	47.39165		TCMX
2.953	VV	5459.36719	9.36271e-2	511.14479		PCB1232_1
3.223	VV	4011.20239	1.23487e-1	495.33154		PCB1232_2
3.595	VV	5890.49268	8.56516e-2	504.53041		PCB1232_3
4.051	VV	2581.75781	1.85751e-1	479.56532		PCB1232_4
4.455	VP	2731.88257	1.80105e-1	492.02517		PCB1232_5
6.357	VB	88.85879	6.02957e-1	53.57802		DBC
7.100	PB	2.28398e4	2.12244e-3	48.47617		DCBP

BWS
6.17.09

```
Totals :                                  2632.04306

 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 4:49:25 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	9296.84180	2.09031e-3	19.43330		TCMX
2.953	VV	1918.33850	9.87621e-2	189.45923		PCB1232_1
3.223	VV	1475.92578	1.31246e-1	193.70935		PCB1232_2
3.595	VV	1920.76770	9.71906e-2	186.68064		PCB1232_3
4.051	PV	955.56946	2.03404e-1	194.36619		PCB1232_4
4.455	VV	916.82739	2.06340e-1	189.17791		PCB1232_5
6.357	VV	74.82659	2.90451e-1	21.73349		DBC
7.100	VV	7333.77930	2.58480e-3	18.95637		DCBP

BWS
6.17.09

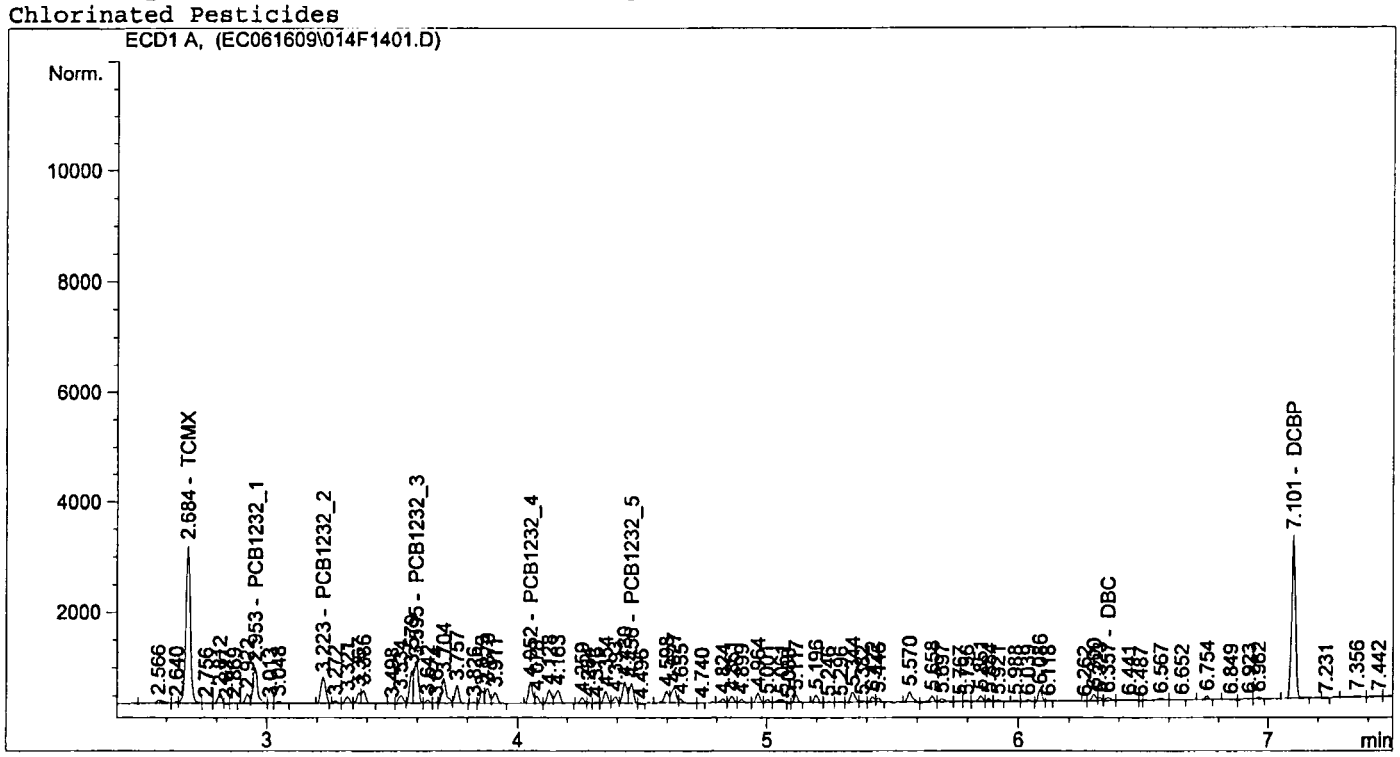
Totals : 1013.51648

Results obtained with enhanced integrator!

==

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 5:02:18 PM          Seq. Line :  14
Sample Name     : A1232 x100 ICAL                Location : Vial 14
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	3586.46118	2.96844e-3	10.64621		TCMX
2.953	VV	822.08234	1.09319e-1	89.86959		PCB1232_1
3.223	BP	627.54523	1.47842e-1	92.77740		PCB1232_2
3.595	VV	845.77960	1.18953e-1	100.60800		PCB1232_3
4.052	PV	440.46237	2.36177e-1	104.02727		PCB1232_4
4.456	VP	406.56943	2.55897e-1	104.03988		PCB1232_5
6.357	VV	70.51414	1.69425e-1	11.94687		DBC
7.101	PB	3122.70605	3.50320e-3	10.93948		DCBP

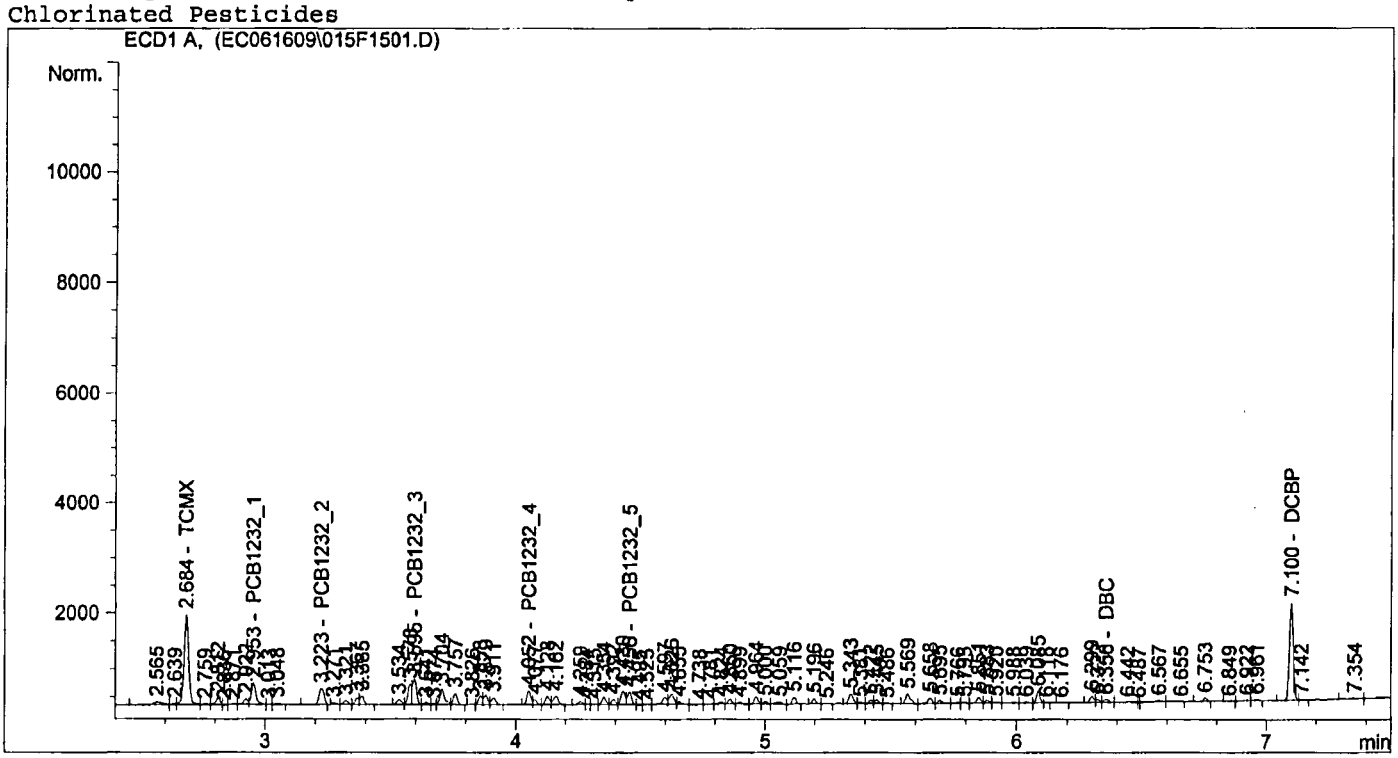
Totals : 524.85470

BWS
6.17.09

Results obtained with enhanced integrator!

==
*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 5:15:07 PM          Seq. Line :  15
Sample Name     : A1232 x40 ICAL                 Location : Vial 15
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2089.24365	3.99298e-3	8.34230		TCMX
2.953	VV	495.08936	1.21521e-1	60.16384		PCB1232_1
3.223	BP	395.82391	1.64744e-1	65.20948		PCB1232_2
3.595	VV	525.02045	1.42709e-1	74.92531		PCB1232_3
4.052	PV	292.69611	2.66871e-1	78.11219		PCB1232_4
4.456	VP	251.54694	3.10773e-1	78.17393		PCB1232_5
6.356	VV	66.05173	2.75526e-2	1.81990		DBC
7.100	VV	1875.22559	4.56722e-3	8.56457		DCBP

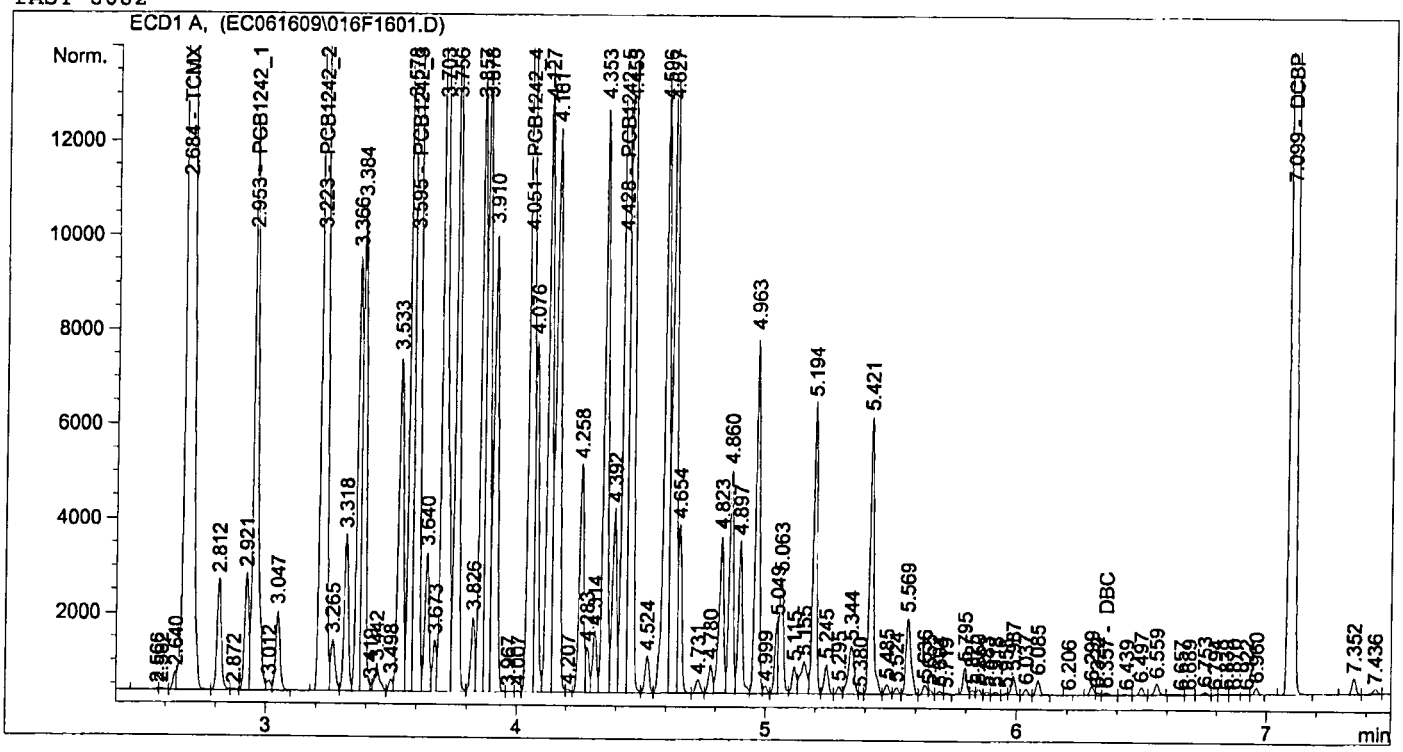
Totals : 375.31152

BWS
6.17.09

Results obtained with enhanced integrator!

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  16
Sample Name     : A1242 x2000 ICAL               Location : Vial 16
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	1.24533e5	1.61574e-3	201.21328		TCMX
2.953	VV	1.58930e4	1.25320e-1	1991.70688		PCB1242_1
3.223	PV	2.95357e4	6.73104e-2	1988.06254		PCB1242_2
3.595	VV	4.49982e4	4.43743e-2	1996.76595		PCB1242_3
4.051	VV	2.33747e4	8.57256e-2	2003.81239		PCB1242_4
4.428	VV	2.53352e4	7.92151e-2	2006.93062		PCB1242_5
6.357	VV	46.07360	0.00000	0.00000		DBC
7.099	BV	1.01493e5	1.98905e-3	201.87401		DCBP

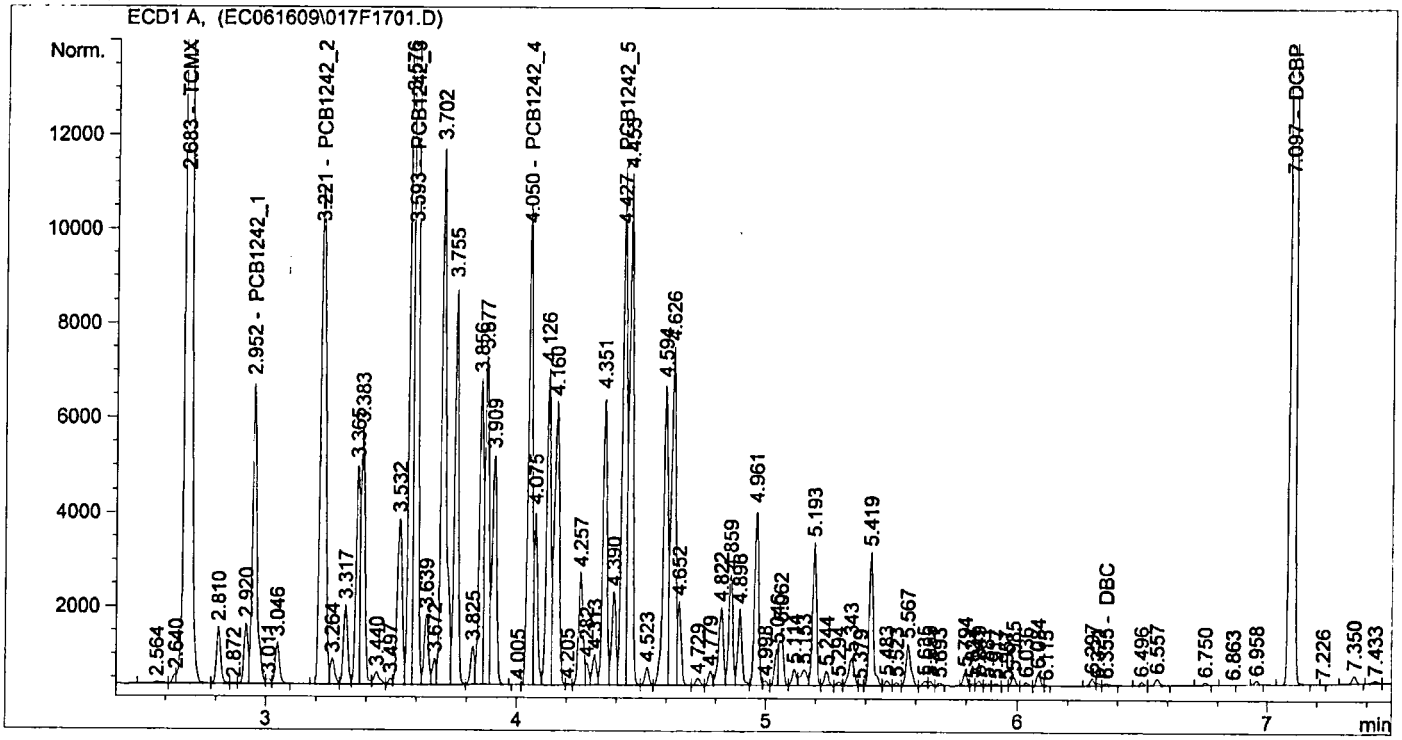
BWS
6.17.09

Totals : 1.03904e4

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  17
Sample Name     : A1242 x1000 ICAL               Location : Vial 17
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.683	VV	6.12233e4	1.64980e-3	101.00598		TCMX
2.952	VV	8266.91797	1.25530e-1	1037.74860		PCB1242_1
3.221	PV	1.55127e4	6.74188e-2	1045.84986		PCB1242_2
3.593	VV	2.27097e4	4.47441e-2	1016.12539		PCB1242_3
4.050	VV	1.17902e4	8.67780e-2	1023.13035		PCB1242_4
4.427	VV	1.25010e4	8.02404e-2	1003.08927		PCB1242_5
6.355	VB	69.59908	0.00000	0.00000		DBC
7.097	VB	4.86358e4	2.03100e-3	98.77927		DCBP

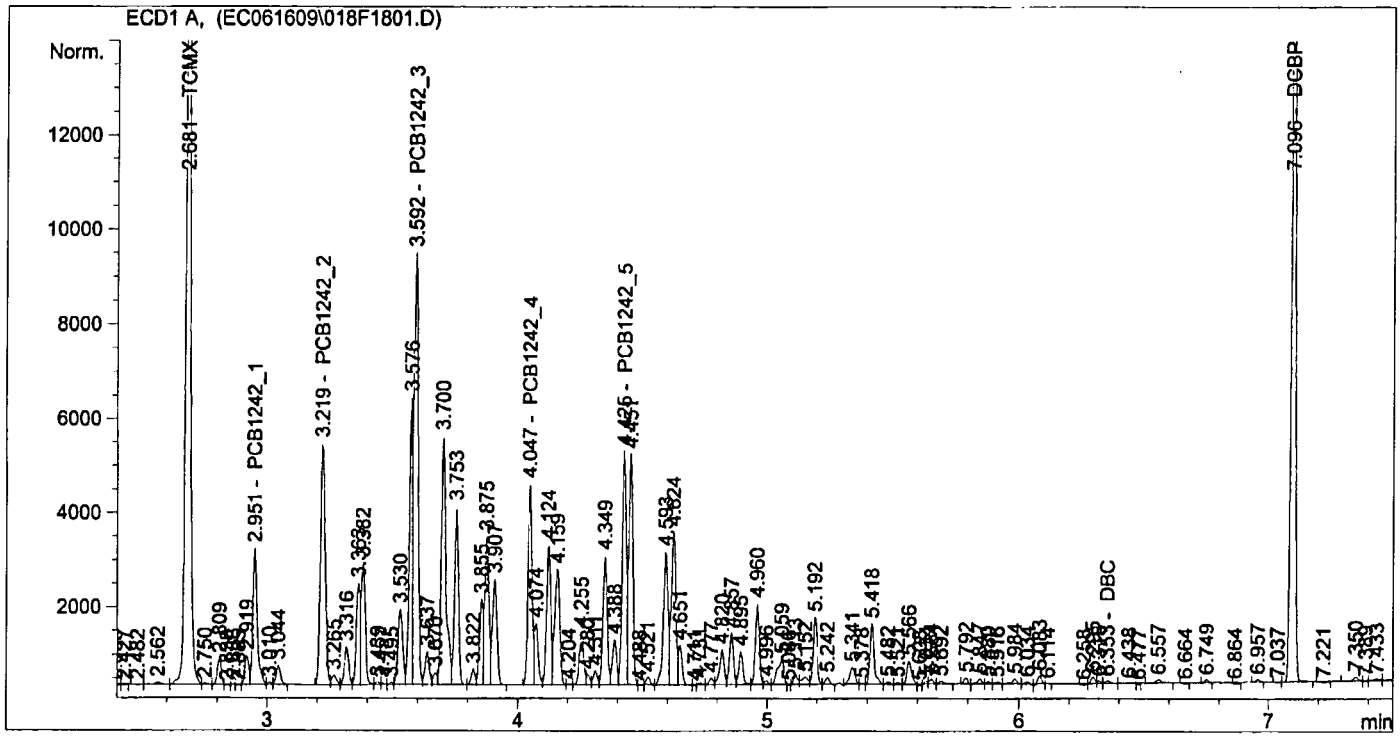
Totals : 5325.72872

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

```
==================================================================
Injection Date  : 6/16/2009 5:53:51 PM          Seq. Line :  18
Sample Name     : A1242 x500 ICAL                Location : Vial 18
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	2.43234e4	1.75143e-3	42.60065		TCMX
2.951	VV	3628.71558	1.26091e-1	457.54749		PCB1242_1
3.219	PV	6743.10840	6.77157e-2	456.61398		PCB1242_2
3.592	VV	1.06319e4	4.55920e-2	484.72847		PCB1242_3
4.047	PV	4836.10059	8.98314e-2	434.43365		PCB1242_4
4.425	VV	5635.85596	8.27059e-2	466.11862		PCB1242_5
6.353	VV	69.22704	0.00000	0.00000		DBC
7.096	PB	2.08276e4	2.13856e-3	44.54098		DCBP

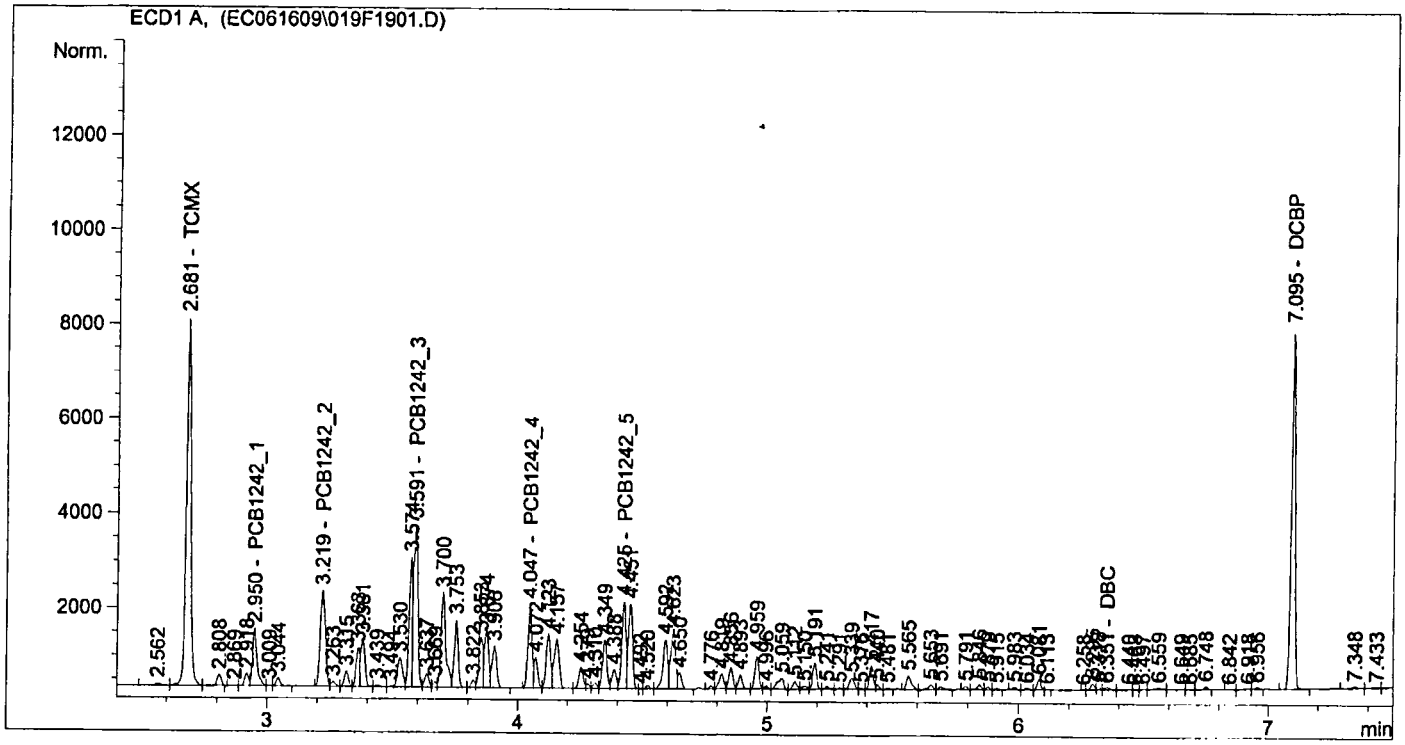
BWS
6.17.09

Totals : 2386.58383

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:06:49 PM          Seq. Line :  19
Sample Name     : A1242 x200 ICAL                Location : Vial 19
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	9864.52441	1.99859e-3	19.71514		TCMX
2.950	VV	1538.38574	1.27448e-1	196.06436		PCB1242_1
3.219	BV	2850.61401	6.84328e-2	195.07536		PCB1242_2
3.591	VV	3870.94604	4.83767e-2	187.26378		PCB1242_3
4.047	PV	2049.92676	9.68676e-2	198.57148		PCB1242_4
4.425	VV	2122.51245	9.01373e-2	191.31744		PCB1242_5
6.351	VV	44.81857	0.00000	0.00000		DBC
7.095	PB	7972.79297	2.44186e-3	19.46847		DCBP

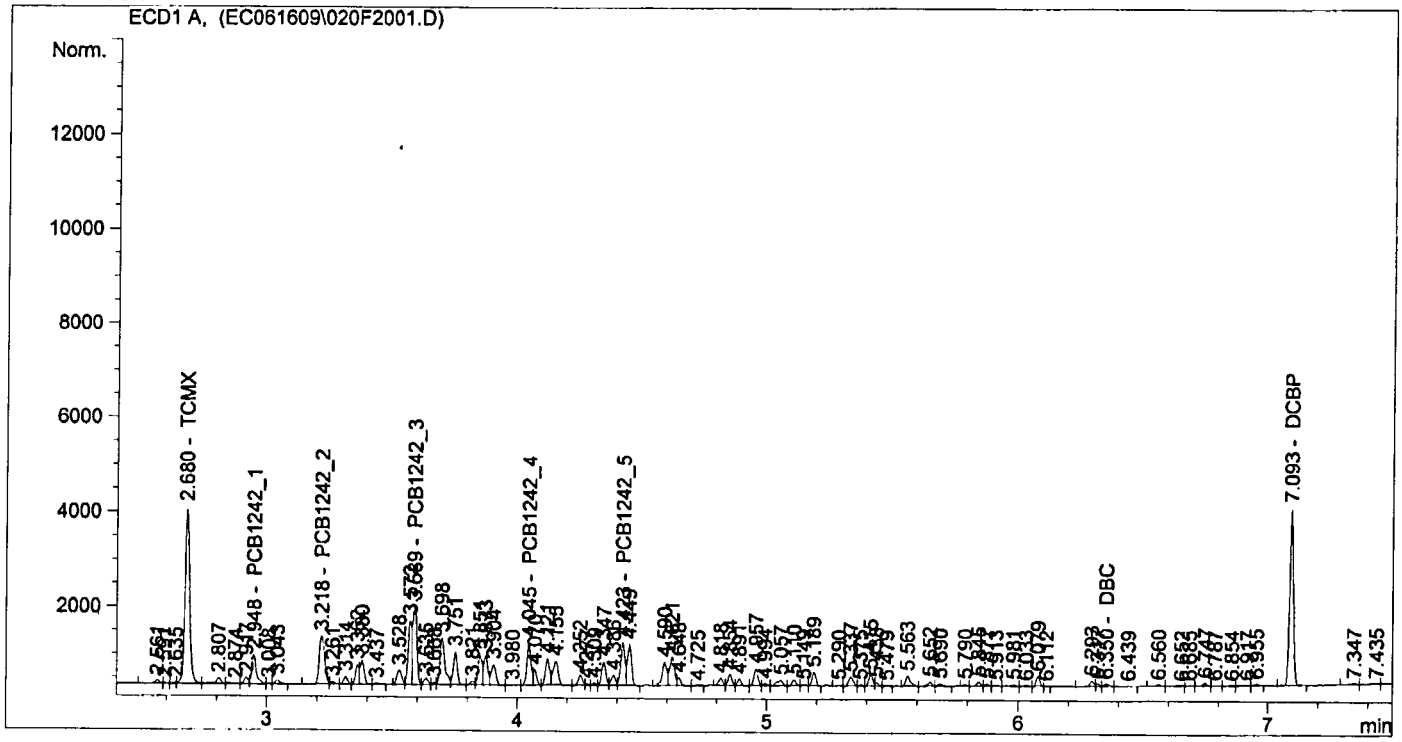
Totals : 1007.47603

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:19:35 PM          Seq. Line :  20
Sample Name     : A1242 x100 ICAL                Location : Vial 20
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	4837.55371	2.43066e-3	11.75844		TCMX
2.948	VV	793.58032	1.29660e-1	102.89531		PCB1242_1
3.218	BV	1467.12085	6.96042e-2	102.11777		PCB1242_2
3.589	VV	1857.66870	5.31227e-2	98.68435		PCB1242_3
4.045	VV	1025.63940	1.09065e-1	111.86094		PCB1242_4
4.423	VV	1045.56165	1.02416e-1	107.08219		PCB1242_5
6.350	VV	56.60671	0.00000	0.00000		DBC
7.093	VB	3930.30664	2.94731e-3	11.58384		DCBP

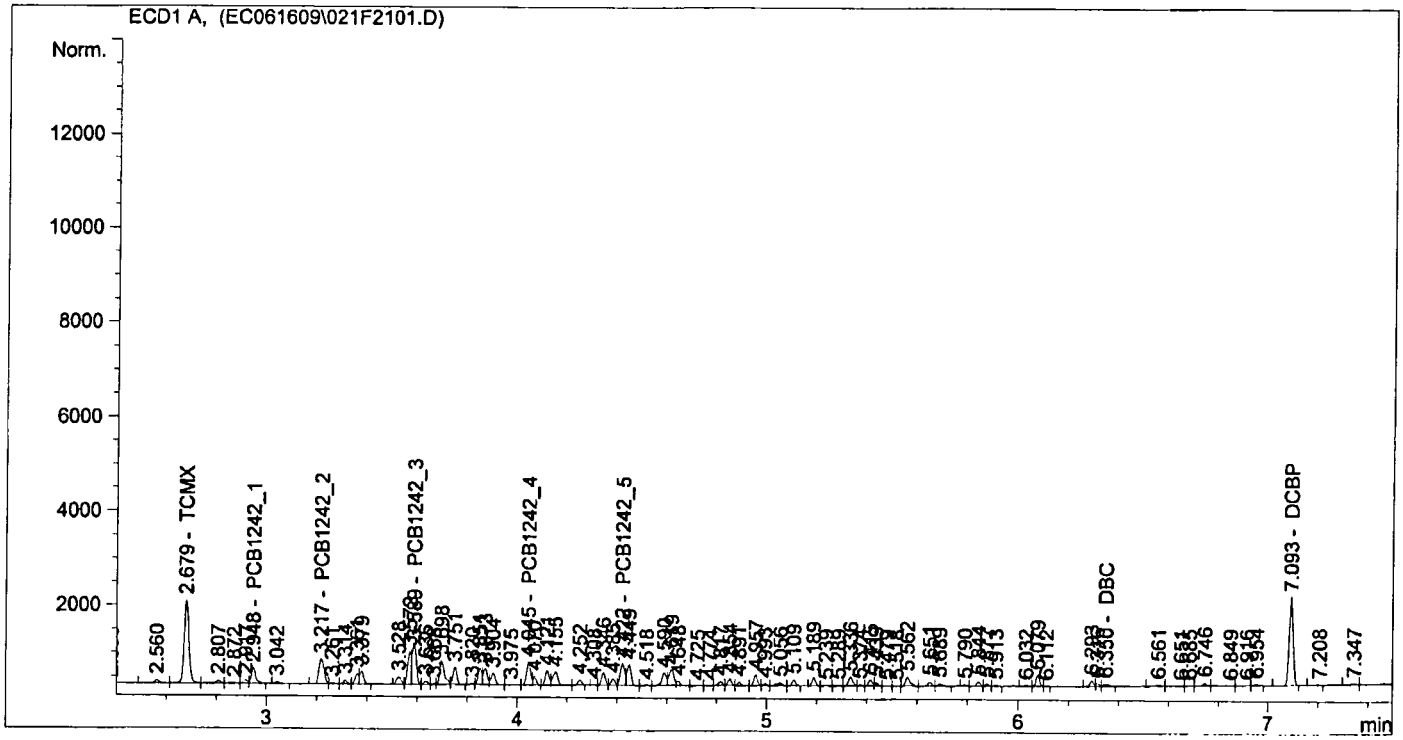
Totals : 545.98284

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:32:31 PM          Seq. Line :  21
Sample Name     : A1242 x40 ICAL                 Location : Vial 21
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2277.57568	3.38364e-3	7.70651		TCMX
2.948	VV	403.00357	1.34087e-1	54.03736		PCB1242_1
3.217	VV	725.38965	7.20723e-2	52.28049		PCB1242_2
3.589	VV	897.33759	6.28883e-2	56.43206		PCB1242_3
4.045	VV	509.78085	1.33766e-1	68.19119		PCB1242_4
4.422	VV	513.44421	1.27496e-1	65.46186		PCB1242_5
6.350	VV	56.95115	0.00000	0.00000		DBC
7.093	BV	1966.44092	3.94288e-3	7.75343		DCBP

Totals : 311.86290

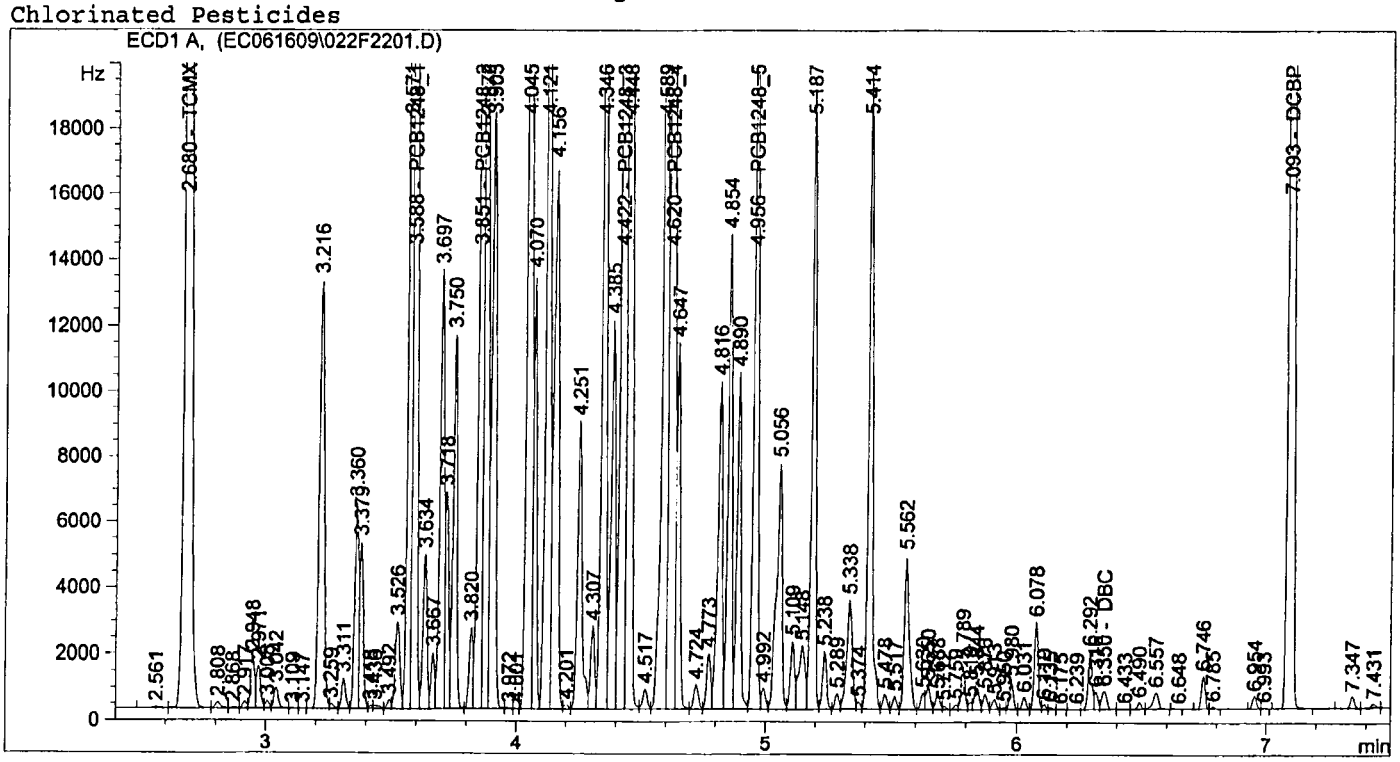
BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:45:23 PM          Seq. Line :  22
Sample Name     : A1248 x2000 ICAL               Location : Vial 22
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

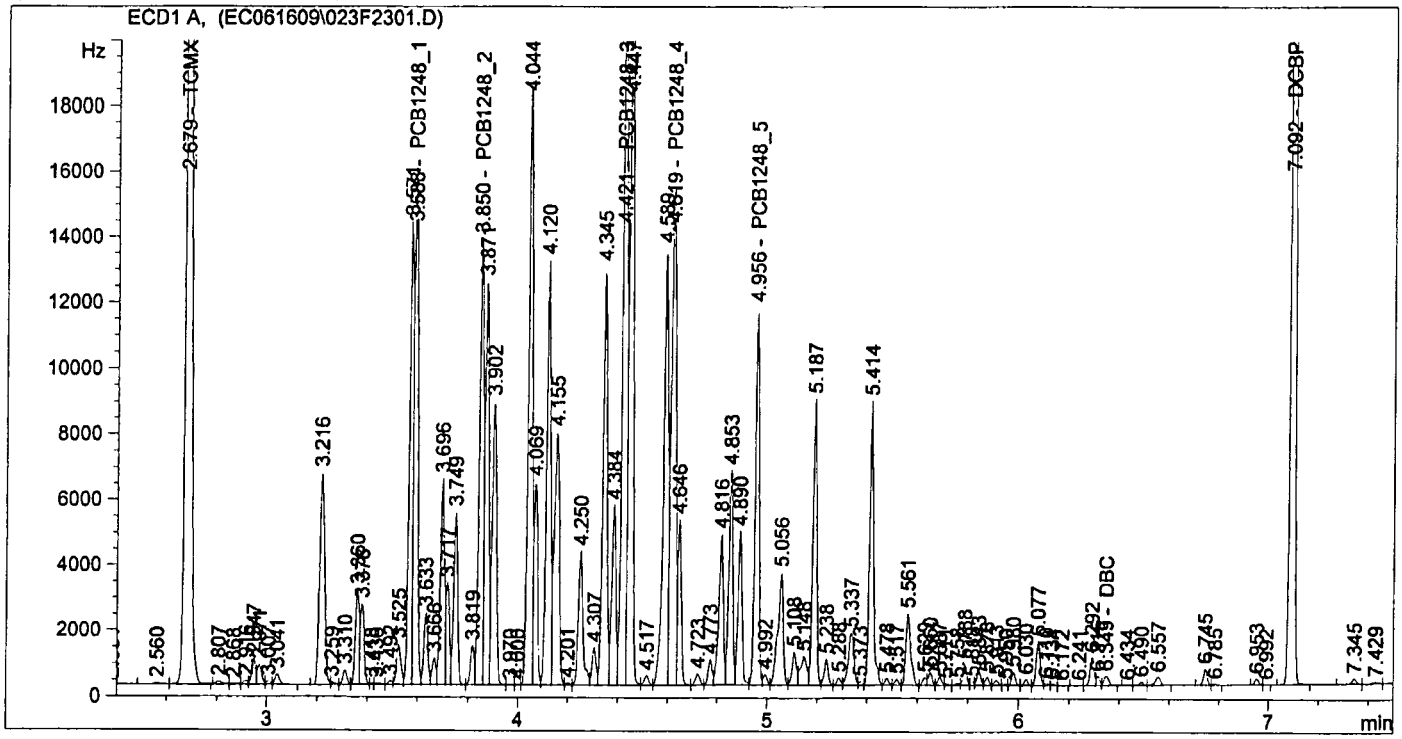
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	1.29592e5	1.56648e-3	203.00286		TCMX
3.588	VV	3.66658e4	5.51413e-2	2021.79814		PCB1248_1
3.851	VV	3.11485e4	6.45359e-2	2010.19920		PCB1248_2
4.422	VV	5.81616e4	3.48179e-2	2025.06568		PCB1248_3
4.620	VV	4.46546e4	4.53601e-2	2025.53551		PCB1248_4
4.956	VV	2.71306e4	7.47898e-2	2029.09034		PCB1248_5
6.350	VV	766.40961	2.61907e-1	200.72788		DBC
7.093	BV	1.04567e5	1.94984e-3	203.88982		DCBP
Totals :				1.07193e4		

BWS
6/17/09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 6:58:15 PM          Seq. Line :  23
Sample Name     : A1248 x1000 ICAL               Location : Vial 23
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

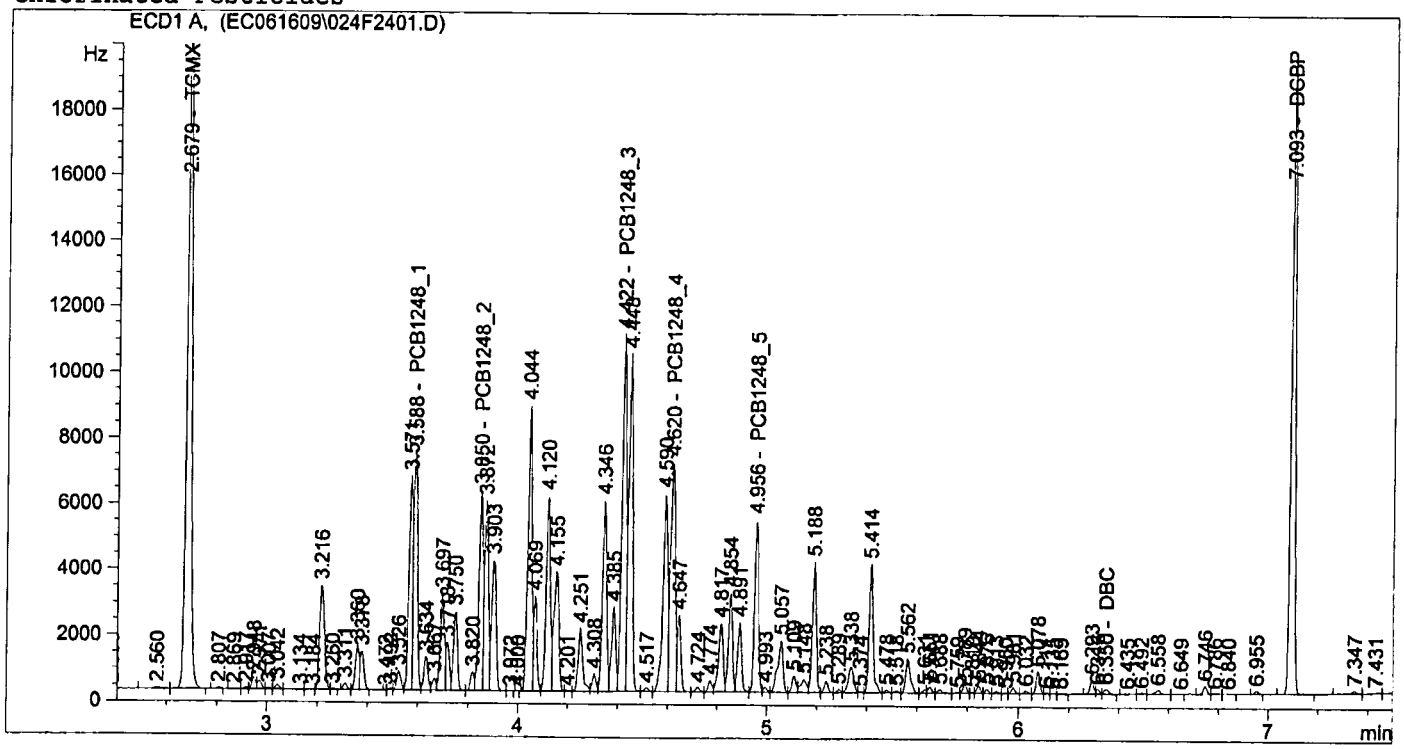
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	5.91737e4	1.61856e-3	95.77608		TCMX
3.588	VV	1.72012e4	5.64207e-2	970.50645		PCB1248_1
3.850	VV	1.50825e4	6.60115e-2	995.61554		PCB1248_2
4.421	VV	2.69915e4	3.57349e-2	964.53920		PCB1248_3
4.619	VV	2.07182e4	4.65335e-2	964.09235		PCB1248_4
4.956	VV	1.24627e4	7.68971e-2	958.34194		PCB1248_5
6.349	VB	400.58411	2.49832e-1	100.07870		DBC
7.092	VB	4.66681e4	2.01809e-3	94.18048		DCBP

Totals : 5143.13073

BWS
6.17.09

```
Results obtained with enhanced integrator!
==================================================================
                    *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:11:15 PM          Seq. Line :  24
Sample Name     : A1248 x500 ICAL                Location : Vial 24
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	2.65143e4	1.73661e-3	46.04496		TCMX
3.588	VV	7947.63037	5.92269e-2	470.71361		PCB1248_1
3.850	VV	6716.69434	6.95747e-2	467.31201		PCB1248_2
4.422	VV	1.24080e4	3.77458e-2	468.34971		PCB1248_3
4.620	VV	9514.63184	4.91111e-2	467.27423		PCB1248_4
4.956	VV	5683.82764	8.15457e-2	463.49196		PCB1248_5
6.350	VB	209.95770	2.26864e-1	47.63186		DBC
7.093	VB	2.09592e4	2.16929e-3	45.46662		DCBP
Totals :				2476.28497		

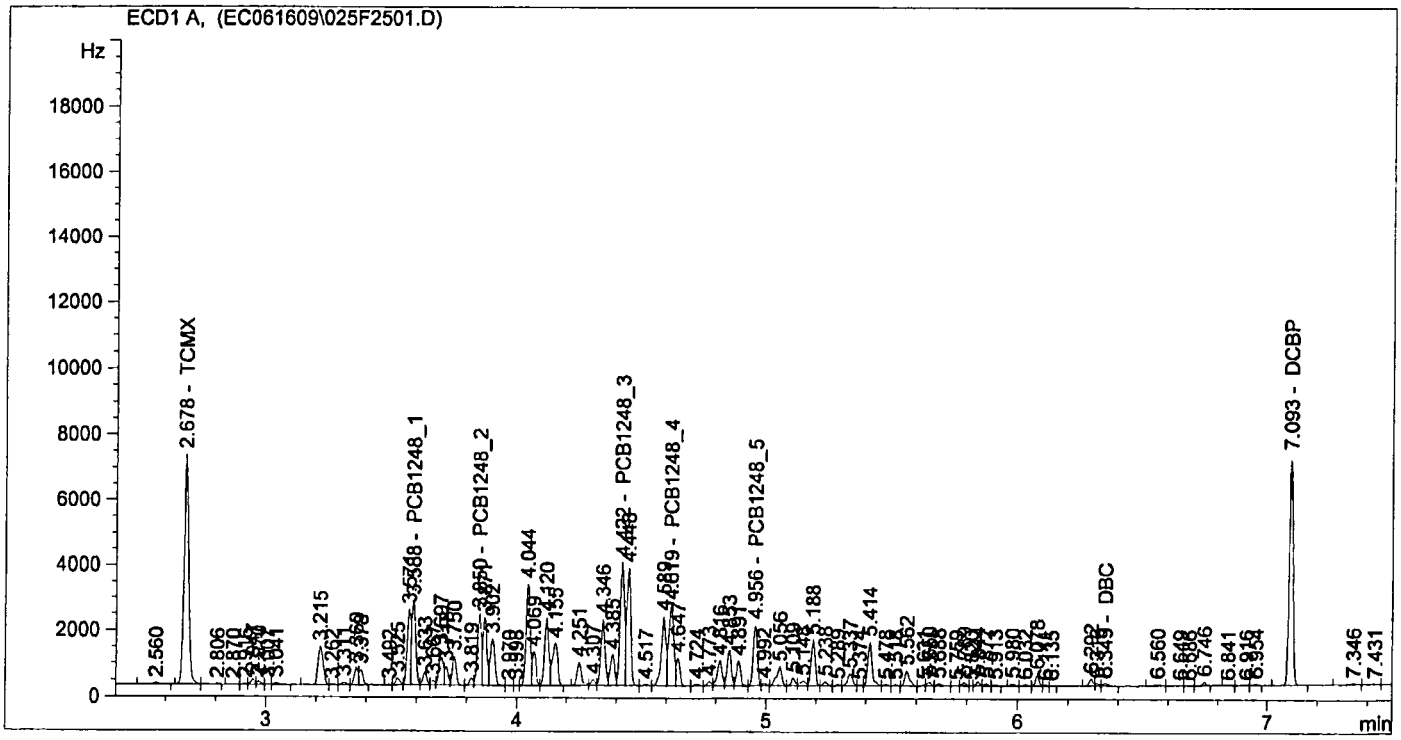
BWS
6.17.09

```
Results obtained with enhanced integrator!
==================================================================
                    *** End of Report ***
```

==========

Injection Date : 6/16/2009 7:24:05 PM Seq. Line : 25
Sample Name : A1248 x200 ICAL Location : Vial 25
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:02:53 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	9037.30078	2.15025e-3	19.43242		TCMX
3.588	VV	2780.86670	6.89187e-2	191.65365		PCB1248_1
3.850	VV	2357.02759	8.14568e-2	191.99596		PCB1248_2
4.422	VV	4327.10547	4.46966e-2	193.40674		PCB1248_3
4.619	VV	3333.63086	5.79492e-2	193.18114		PCB1248_4
4.956	VV	1994.11768	9.73592e-2	194.14578		PCB1248_5
6.349	VB	100.45596	1.74253e-1	17.50476		DBC
7.093	BB	7328.20898	2.67982e-3	19.63826		DCBP

Totals : 1020.95871

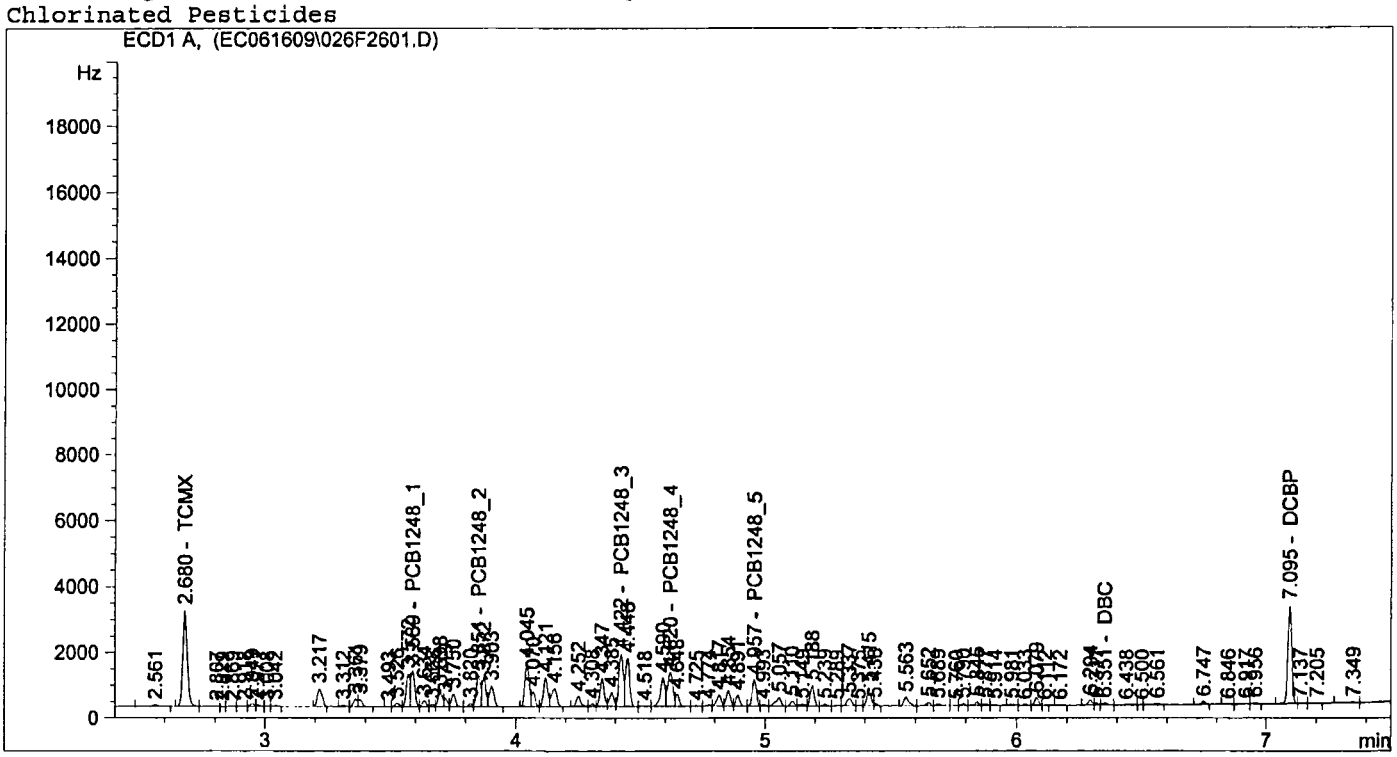
BWS
6-17-09

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 7:37:02 PM          Seq. Line :  26
Sample Name     : A1248 x100 ICAL                Location : Vial 26
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

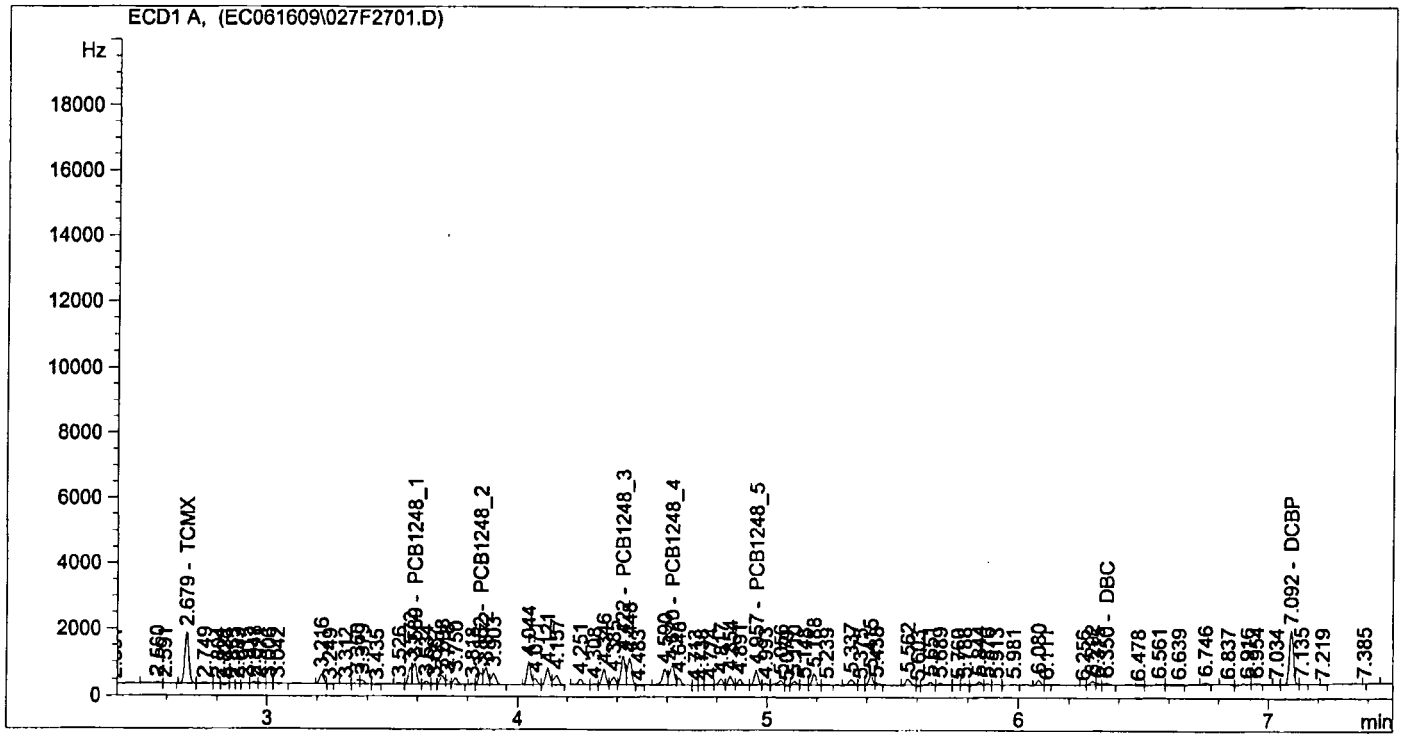
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	BV	3712.91650	3.05013e-3	11.32487		TCMX
3.589	VV	1206.29956	8.83780e-2	106.61035		PCB1248_1
3.851	VV	1041.66187	1.04573e-1	108.92969		PCB1248_2
4.422	VV	1840.27234	5.91190e-2	108.79501		PCB1248_3
4.620	VV	1445.28992	7.57244e-2	109.44370		PCB1248_4
4.957	VV	865.40601	1.29131e-1	111.75064		PCB1248_5
6.351	VV	72.35494	1.35075e-1	9.77336		DBC
7.095	VV	3173.20874	3.70768e-3	11.76526		DCBP

Totals : 578.39286

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:49:47 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

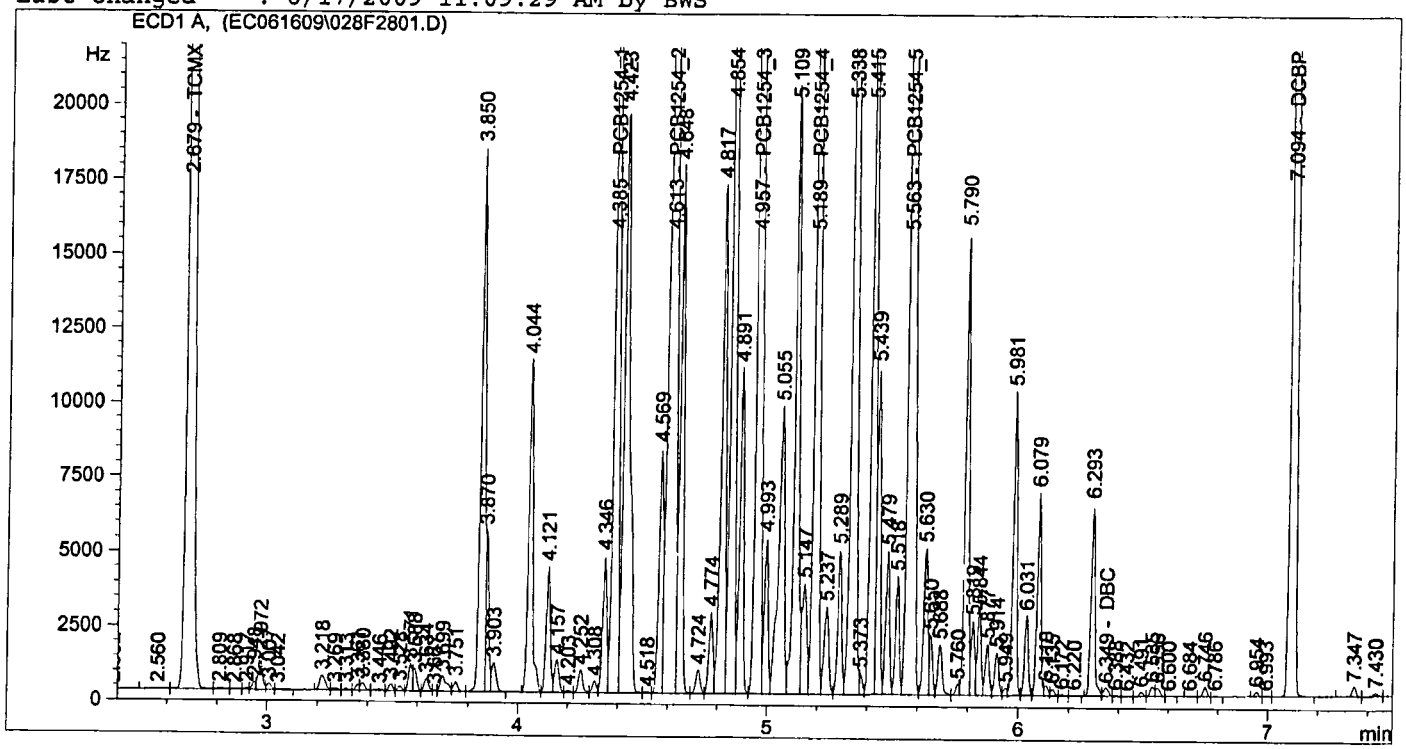
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	BV	1804.44470	4.66559e-3	8.41880		TCMX
3.589	VV	689.87244	1.14105e-1	78.71781		PCB1248_1
3.852	VV	361.03488	1.82663e-1	65.94761		PCB1248_2
4.422	VV	989.36005	8.07023e-2	79.84367		PCB1248_3
4.620	VV	791.98114	1.01610e-1	80.47308		PCB1248_4
4.957	VV	474.01437	1.75479e-1	83.17933		PCB1248_5
6.350	VV	66.93967	1.23745e-1	8.28346		DBC
7.092	PV	1745.26758	5.19093e-3	9.05955		DCBP
Totals :				413.92331		

BWS
6-17-09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 8:02:36 PM          Seq. Line :  28
Sample Name     : A1254 x2000 ICAL               Location : Vial 28
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.22053e5	1.64476e-3	200.74826		TCMX
4.385	VV	3.54882e4	5.61857e-2	1993.92745		PCB1254_1
4.613	VV	6.50329e4	3.06972e-2	1996.32766		PCB1254_2
4.957	VV	6.96113e4	2.87116e-2	1998.65055		PCB1254_3
5.189	VV	5.35099e4	3.74030e-2	2001.43030		PCB1254_4
5.563	VV	7.03196e4	2.84810e-2	2002.77366		PCB1254_5
6.349	VV	399.02768	9.50029e-1	379.08784		DBC
7.094	VB	9.78117e4	2.05768e-3	201.26552		DCBP
Totals :				1.07742e4		

BWS
6.17.09

Results obtained with enhanced integrator!

==

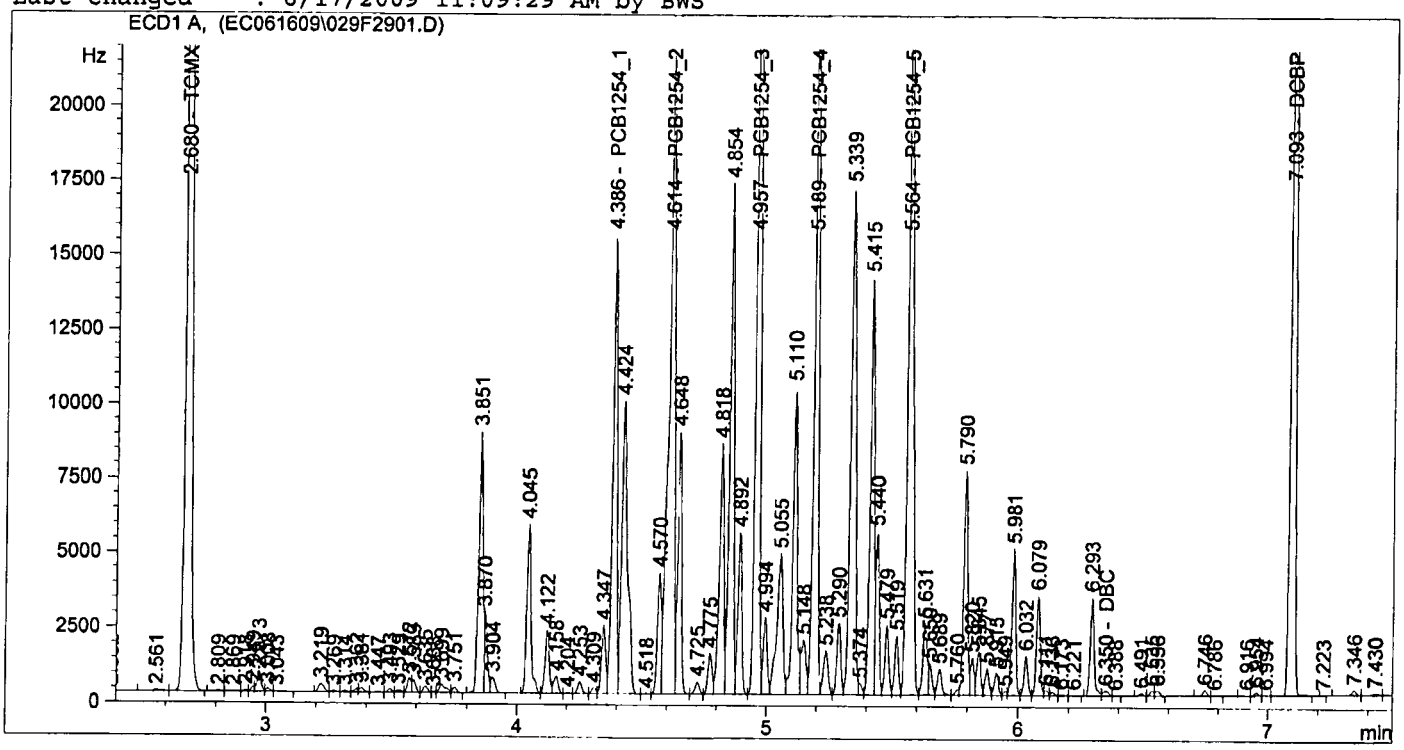
*** End of Report ***

Data File C:\HPCHEM\1\DATA\EC061609\029F2901.D Sample Name: A1254 x1000 ICAL

==========

Injection Date : 6/16/2009 8:15:36 PM Seq. Line : 29
Sample Name : A1254 x1000 ICAL Location : Vial 29
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VB	5.90748e4	1.67583e-3	98.99900		TCMX
4.386	VV	1.79271e4	5.65267e-2	1013.35817		PCB1254_1
4.614	VV	3.26436e4	3.09336e-2	1009.78517		PCB1254_2
4.957	VV	3.46685e4	2.90225e-2	1006.16530		PCB1254_3
5.189	VV	2.64542e4	3.78543e-2	1001.40418		PCB1254_4
5.564	VV	3.46506e4	2.88480e-2	999.60283		PCB1254_5
6.350	VV	239.65477	0.00000	0.00000		DBC
7.093	VB	4.69330e4	2.09460e-3	98.30605		DCBP

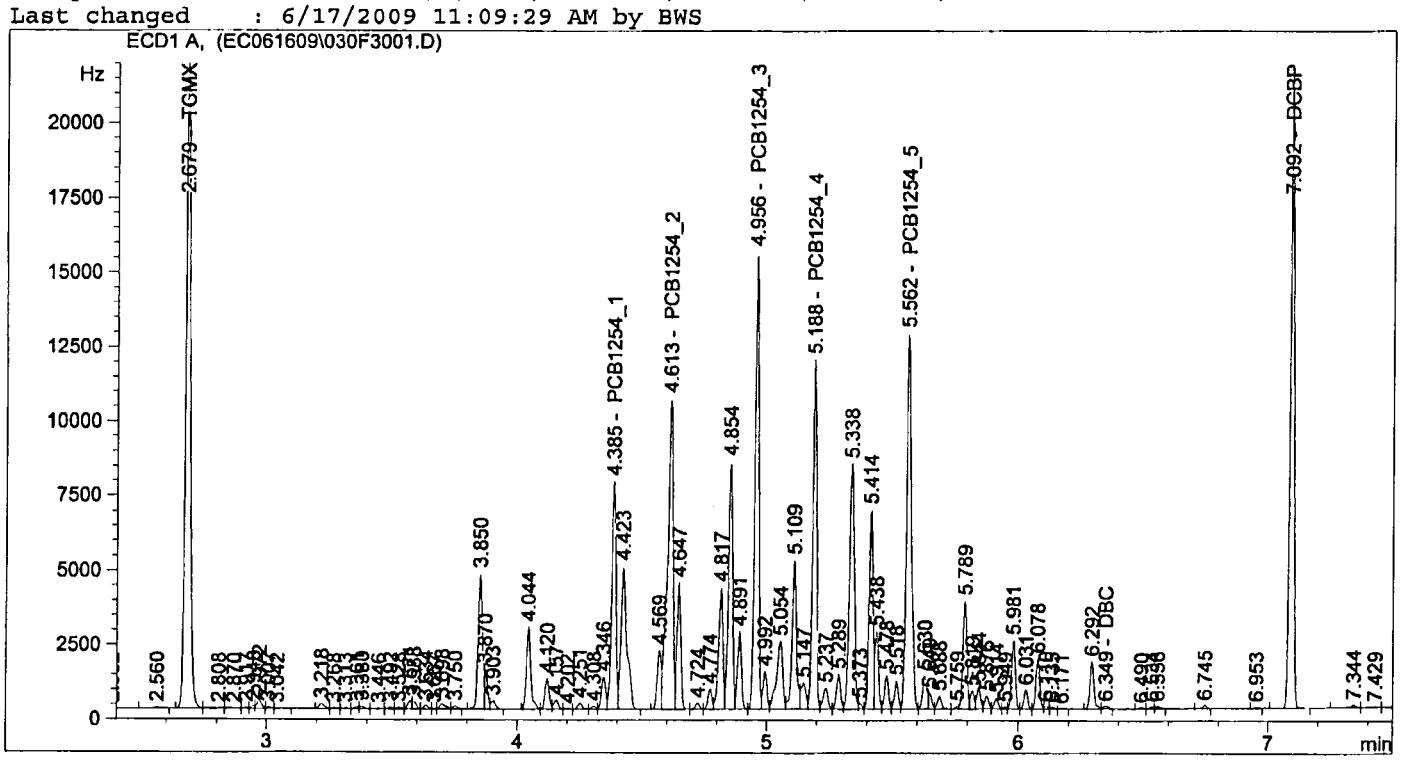
Totals : 5227.62071

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:28:31 PM          Seq. Line :  30
Sample Name     : A1254 x500 ICAL                Location : Vial 30
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

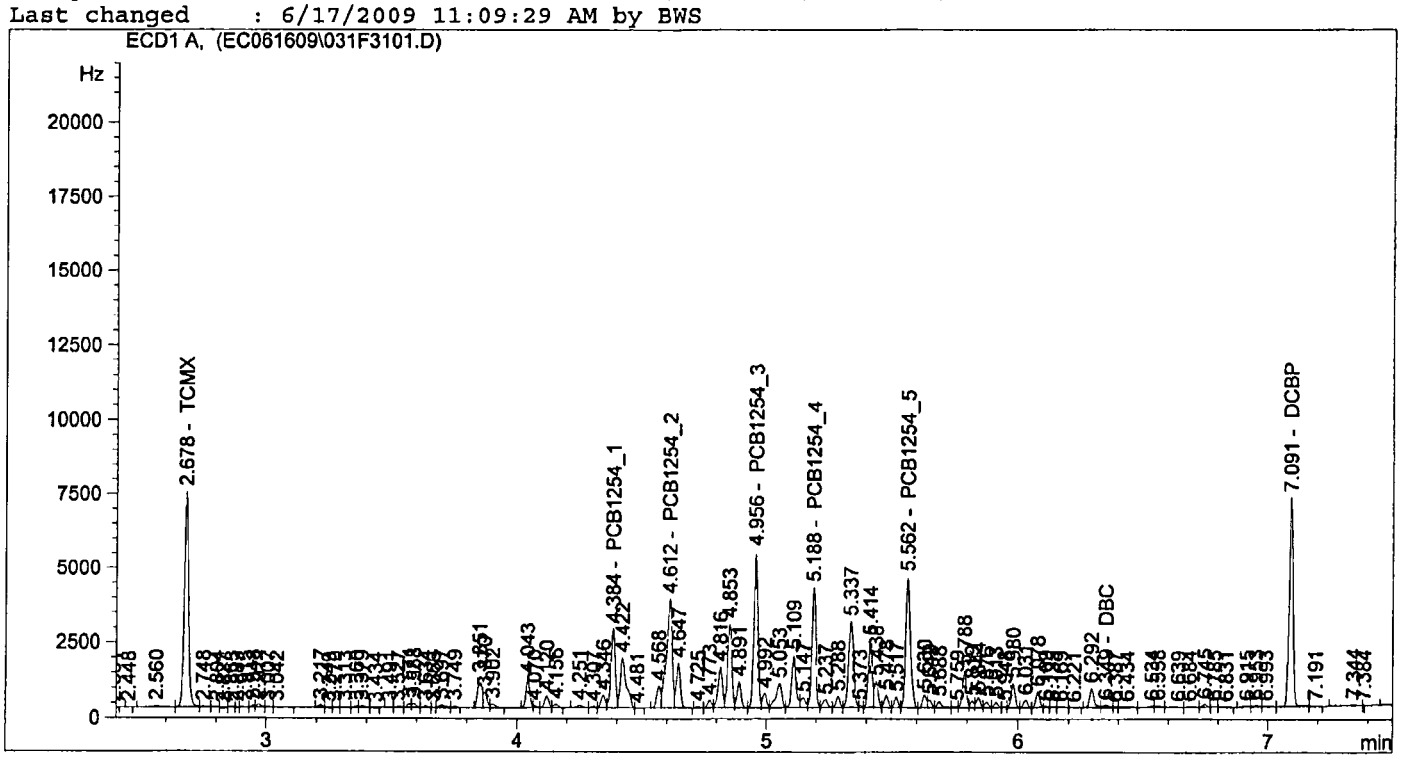
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2.86009e4	1.73998e-3	49.76491		TCMX
4.385	VV	8812.30469	5.72395e-2	504.41229		PCB1254_1
4.613	VV	1.59512e4	3.14303e-2	501.35128		PCB1254_2
4.956	VV	1.68036e4	2.96809e-2	498.74692		PCB1254_3
5.188	VV	1.27868e4	3.88083e-2	496.23276		PCB1254_4
5.562	VV	1.67089e4	2.96250e-2	495.00058		PCB1254_5
6.349	VV	139.15649	0.00000	0.00000		DBC
7.092	VV	2.23516e4	2.17267e-3	48.56259		DCBP
Totals :				2594.07133		

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:41:32 PM          Seq. Line :  31
Sample Name     : A1254 x200 ICAL                Location : Vial 31
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	8524.24609	2.03289e-3	17.32882		TCMX
4.384	VV	3080.65039	5.98480e-2	184.37073		PCB1254_1
4.612	VV	5549.41016	3.32512e-2	184.52429		PCB1254_2
4.956	VV	5754.39941	3.21343e-2	184.91339		PCB1254_3
5.188	VV	4395.10254	4.23342e-2	186.06293		PCB1254_4
5.562	VV	5617.83398	3.25875e-2	183.07117		PCB1254_5
6.349	VV	141.14275	0.00000	0.00000		DBC
7.091	VV	7539.11914	2.46550e-3	18.58767		DCBP

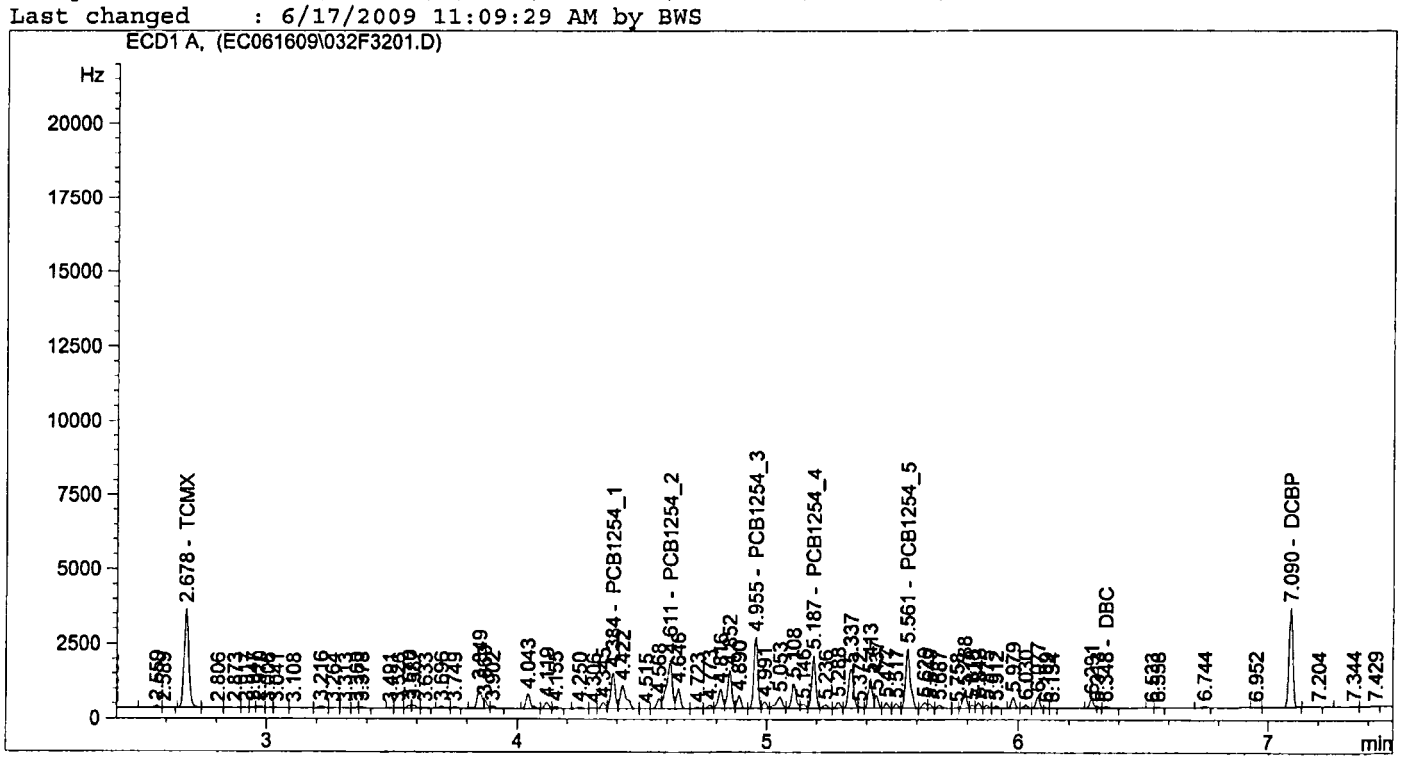
Totals : 958.85900

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:54:25 PM          Seq. Line :  32
Sample Name     : A1254 x100 ICAL                Location : Vial 32
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	4296.46533	2.44349e-3	10.49836		TCMX
4.384	VV	1435.14307	6.44463e-2	92.48963		PCB1254_1
4.611	VV	2587.54272	3.64473e-2	94.30903		PCB1254_2
4.955	VV	2598.47339	3.66658e-2	95.27513		PCB1254_3
5.187	VV	1981.65430	4.88773e-2	96.85782		PCB1254_4
5.561	VV	2636.43701	3.76345e-2	99.22098		PCB1254_5
6.348	VB	43.90696	0.00000	0.00000		DBC
7.090	VB	3566.89917	2.95758e-3	10.54939		DCBP

Totals : 499.20033

BWS
6.17.09

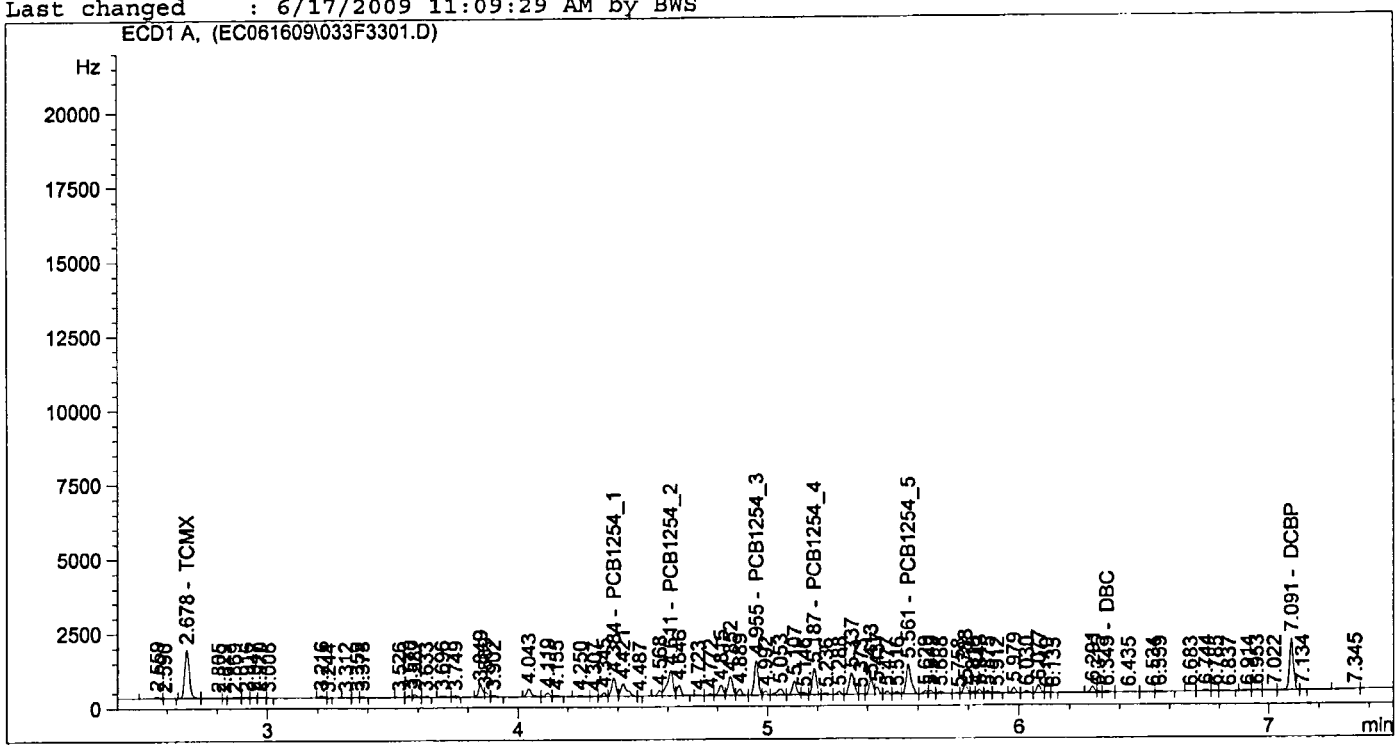
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

==========

Injection Date : 6/16/2009 9:07:20 PM Seq. Line : 33
Sample Name : A1254 x40 ICAL Location : Vial 33
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



==========

External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	2096.34692	3.31234e-3	6.94381		TCMX
4.384	VV	747.95959	7.23555e-2	54.11898		PCB1254_1
4.611	VV	1354.87512	4.18956e-2	56.76331		PCB1254_2
4.955	VV	1309.11450	4.48038e-2	58.65327		PCB1254_3
5.187	VV	1002.31152	6.05198e-2	60.65966		PCB1254_4
5.561	VV	1361.23328	4.65435e-2	63.35655		PCB1254_5
6.349	VV	60.24842	0.00000	0.00000		DBC
7.091	VV	1876.47437	3.79894e-3	7.12861		DCBP

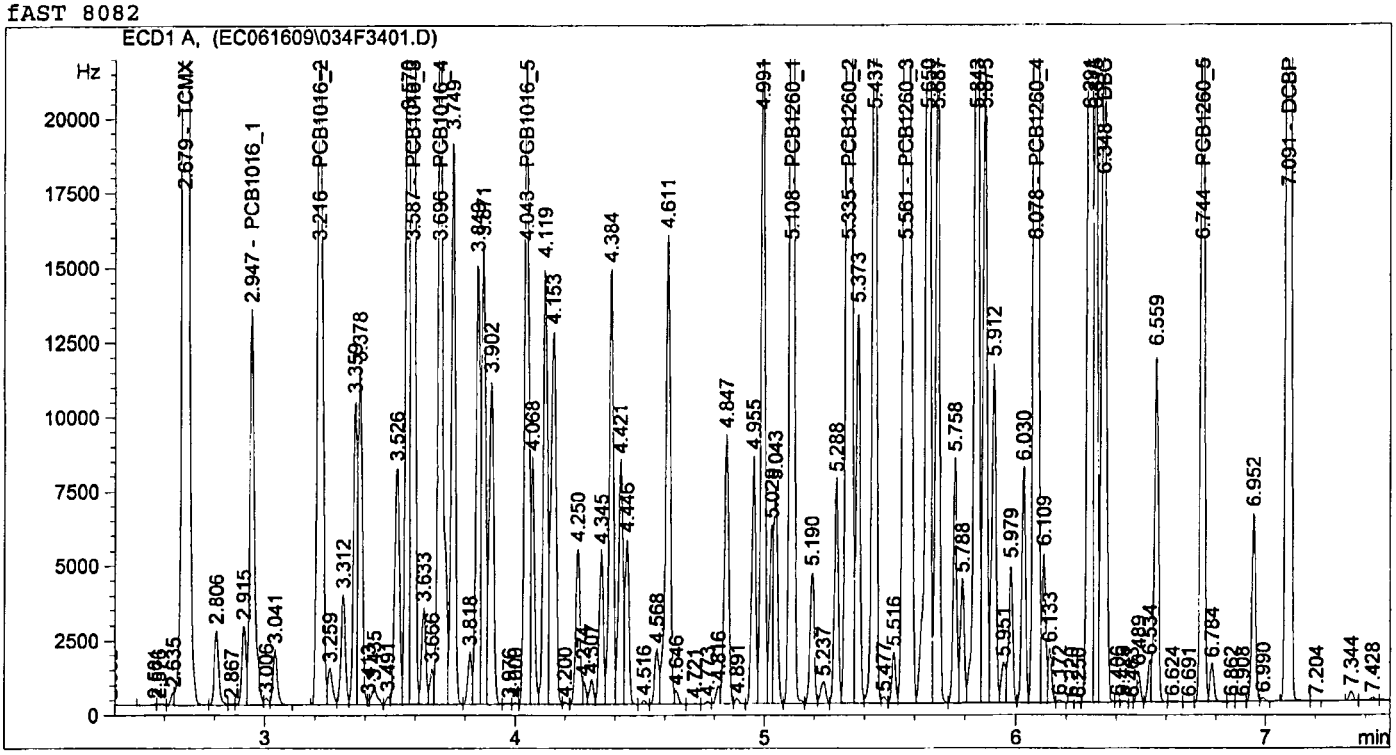
Totals : 307.62420

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date   : 6/16/2009 9:20:14 PM          Seq. Line :  34
Sample Name      : PCB x2000 ICAL                 Location : Vial 34
Acq. Operator    : BWS                                Inj :   1
                                                Inj Volume : 1 µl
Acq. Method      : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed     : 12/5/2007 1:06:16 PM by DCS
Analysis Method  : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed     : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

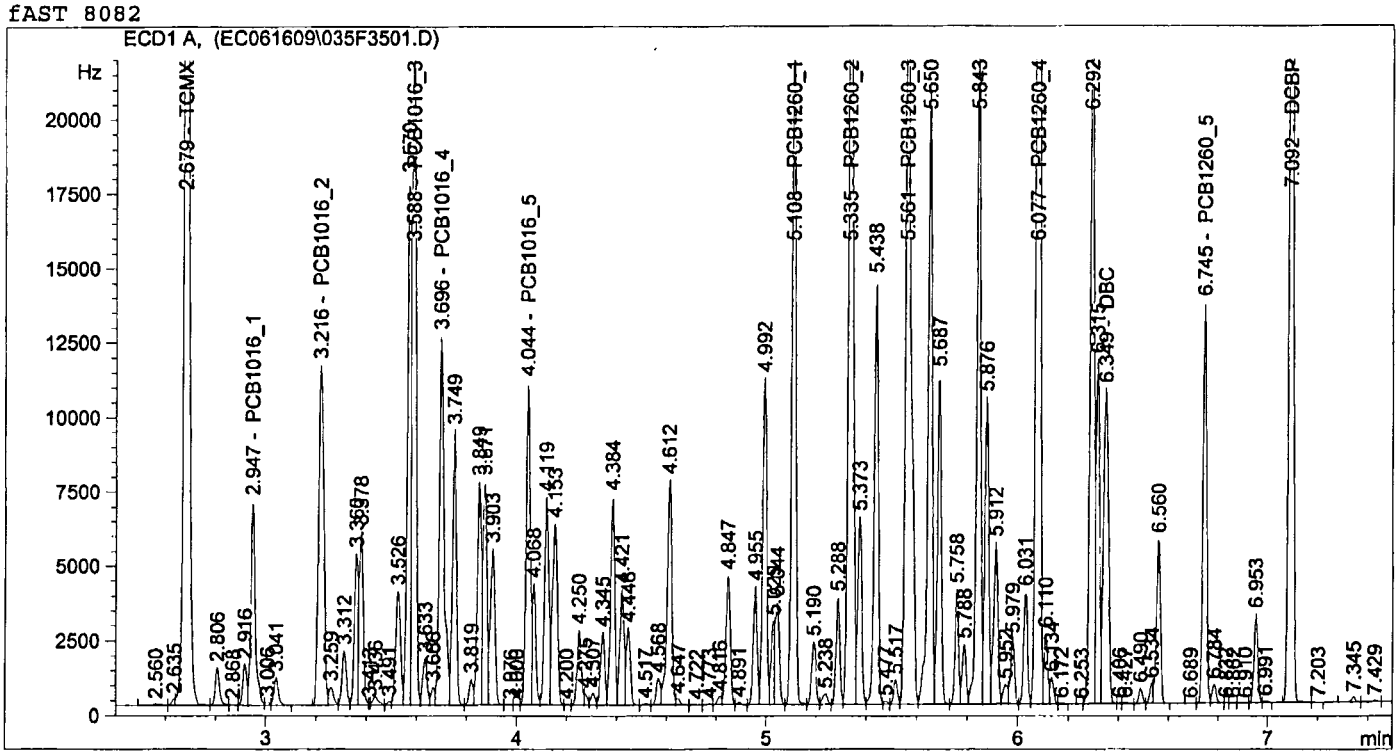
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.21250e5	1.65931e-3	201.19254		TCMX
2.947	VV	1.72408e4	1.15845e-1	1997.26688		PCB1016_1
3.216	PV	3.26845e4	6.08924e-2	1990.24185		PCB1016_2
3.587	VV	5.03406e4	3.98945e-2	2008.31722		PCB1016_3
3.696	VV	3.27770e4	6.11295e-2	2003.63813		PCB1016_4
4.043	VV	2.59332e4	7.73971e-2	2007.15412		PCB1016_5
5.108	VV	5.10187e4	3.94658e-2	2013.49142		PCB1260_1
5.335	VV	8.09492e4	2.48880e-2	2014.66536		PCB1260_2
5.561	VV	8.69555e4	2.31943e-2	2016.87090		PCB1260_3
6.078	VV	1.16463e5	1.73421e-2	2019.71412		PCB1260_4
6.348	VV	3.12323e4	6.46853e-3	202.02742		DBC
6.744	VV	2.96732e4	6.81750e-2	2022.96984		PCB1260_5
7.091	VV	1.00152e5	2.02414e-3	202.72162		DCBP

Totals : 2.07003e4

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:33:02 PM          Seq. Line :  35
Sample Name     : PCB x1000 ICAL                 Location : Vial 35
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

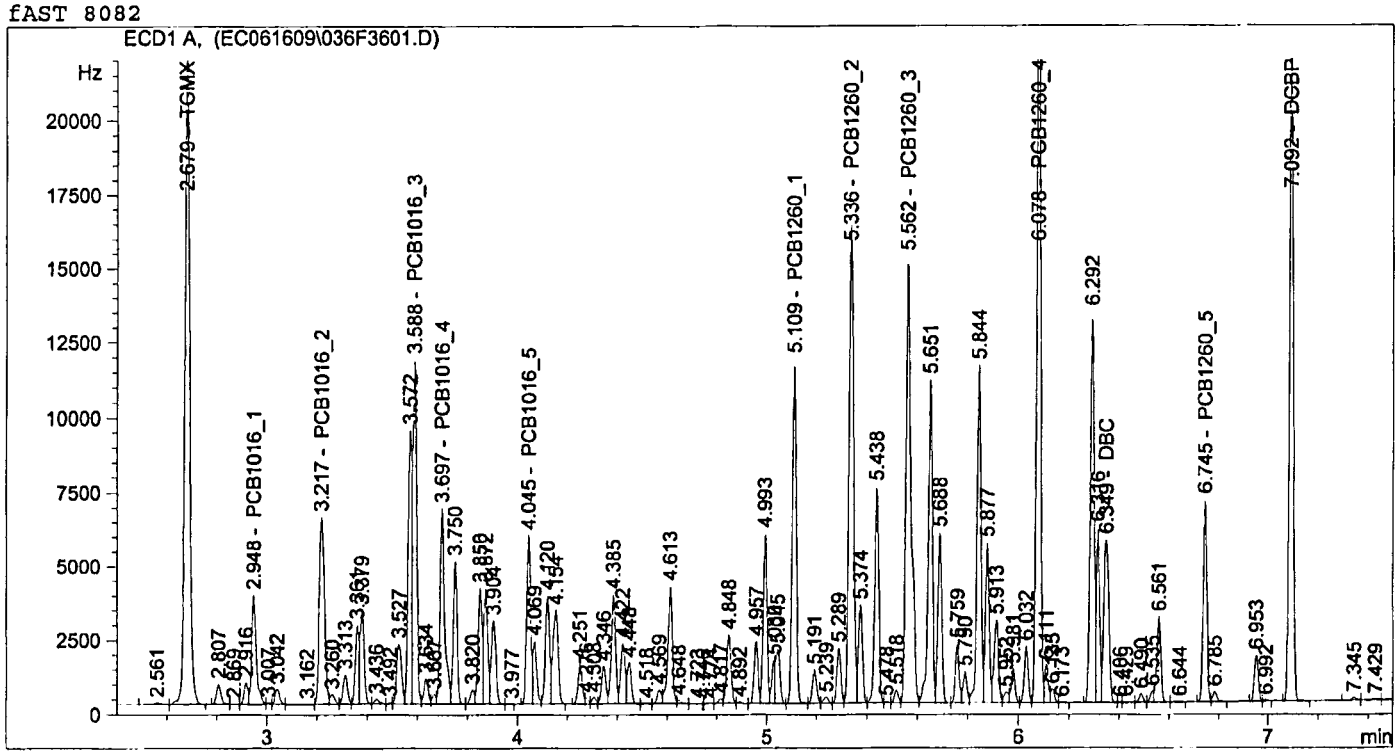
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	5.79653e4	1.67490e-3	97.08626		TCMX
2.947	VV	8630.02051	1.14947e-1	991.99581		PCB1016_1
3.216	PV	1.66326e4	6.03041e-2	1003.01564		PCB1016_2
3.588	VV	2.42770e4	4.00624e-2	972.59592		PCB1016_3
3.696	VV	1.60786e4	6.11591e-2	983.35443		PCB1016_4
4.044	VV	1.26056e4	7.75844e-2	977.99992		PCB1016_5
5.108	VV	2.43350e4	3.97752e-2	967.92764		PCB1260_1
5.335	VV	3.84732e4	2.51016e-2	965.73908		PCB1260_2
5.561	VV	4.10533e4	2.34433e-2	962.42580		PCB1260_3
6.077	VV	5.45419e4	1.75871e-2	959.23379		PCB1260_4
6.349	VV	1.46099e4	6.54455e-3	95.61555		DBC
6.745	VV	1.37551e4	6.91876e-2	951.68206		PCB1260_5
7.092	VB	4.59375e4	2.05757e-3	94.51957		DCBP

Totals : 1.00232e4

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:46:01 PM          Seq. Line :  36
Sample Name     : PCB x500 ICAL                  Location : Vial 36
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

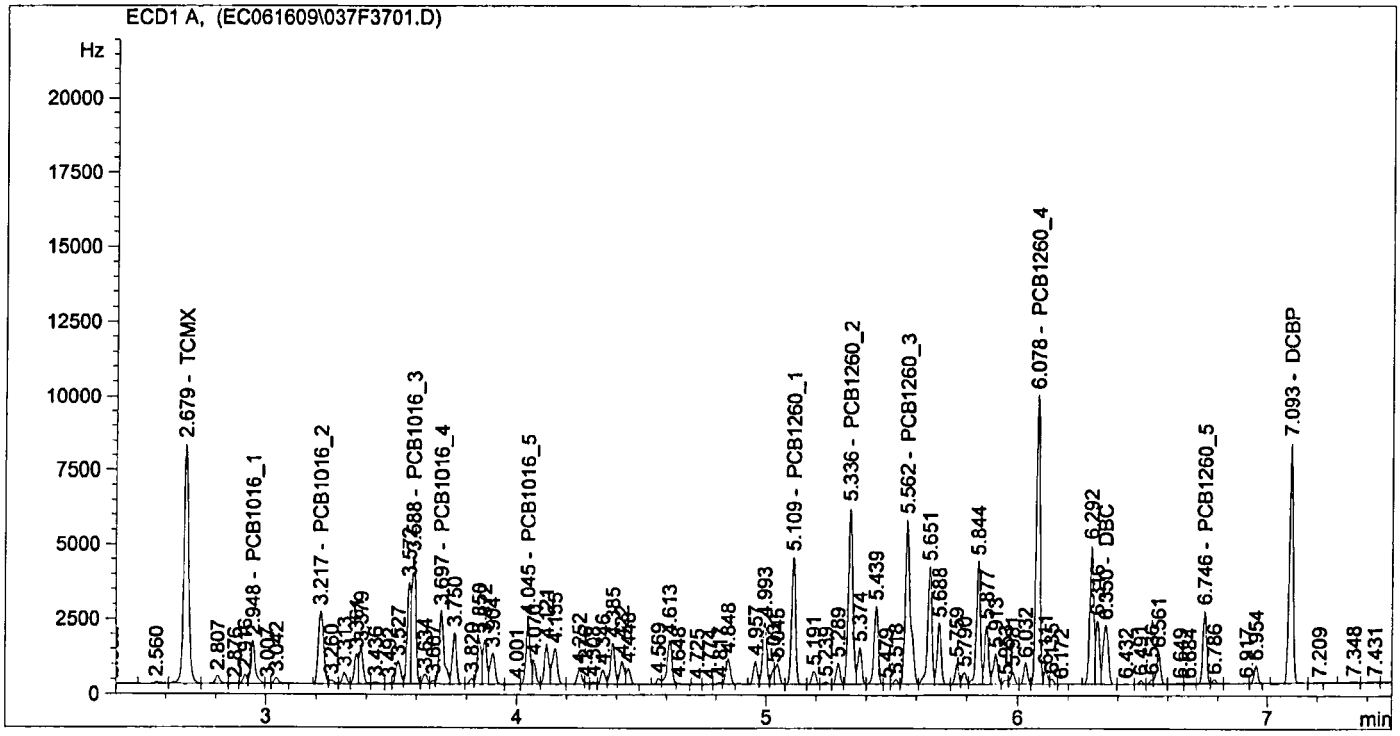
Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	3.01046e4	1.70255e-3	51.25442		TCMX
2.948	VV	4683.42236	1.13431e-1	531.24715		PCB1016_1
3.217	PV	9094.14063	5.93109e-2	539.38206		PCB1016_2
3.588	VV	1.30108e4	4.03431e-2	524.89529		PCB1016_3
3.697	VV	8536.23145	6.12105e-2	522.50719		PCB1016_4
4.045	VV	6655.70361	7.79103e-2	518.54789		PCB1016_5
5.109	VV	1.26906e4	4.03179e-2	511.66021		PCB1260_1
5.336	VV	2.00608e4	2.54753e-2	511.05530		PCB1260_2
5.562	VV	2.12894e4	2.38813e-2	508.41859		PCB1260_3
6.078	VV	2.78606e4	1.80285e-2	502.28332		PCB1260_4
6.349	VV	7585.99463	6.67681e-3	50.65023		DBC
6.745	VV	7103.52344	7.09552e-2	504.03201		PCB1260_5
7.092	VB	2.35723e4	2.11616e-3	49.88272		DCBP

Totals : 5325.81638

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  37
Sample Name     : PCB x200 ICAL                  Location : Vial 37
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.08099e4	1.80519e-3	19.51395		TCMX
2.948	VV	1826.83508	1.08249e-1	197.75265		PCB1016_1
3.217	BV	3515.66235	5.58341e-2	196.29384		PCB1016_2
3.588	VV	4714.23291	4.14076e-2	195.20522		PCB1016_3
3.697	VV	3178.36353	6.13953e-2	195.13662		PCB1016_4
4.045	VV	2462.75513	7.90857e-2	194.76877		PCB1016_5
5.109	VV	4633.16504	4.22905e-2	195.93902		PCB1260_1
5.336	VV	7301.72949	2.68395e-2	195.97470		PCB1260_2
5.562	VV	7683.14453	2.54925e-2	195.86235		PCB1260_3
6.078	VV	1.00399e4	1.96300e-2	197.08246		PCB1260_4
6.350	VV	2740.56128	7.16318e-3	19.63114		DBC
6.746	VV	2536.74219	7.75356e-2	196.68793		PCB1260_5
7.093	VB	8475.61133	2.33050e-3	19.75239		DCBP

Totals : 2019.60105

BWS
6.17.09

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==================================================================
Injection Date  : 6/16/2009 10:11:44 PM          Seq. Line :  38
Sample Name     : PCB x100 ICAL                   Location : Vial 38
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
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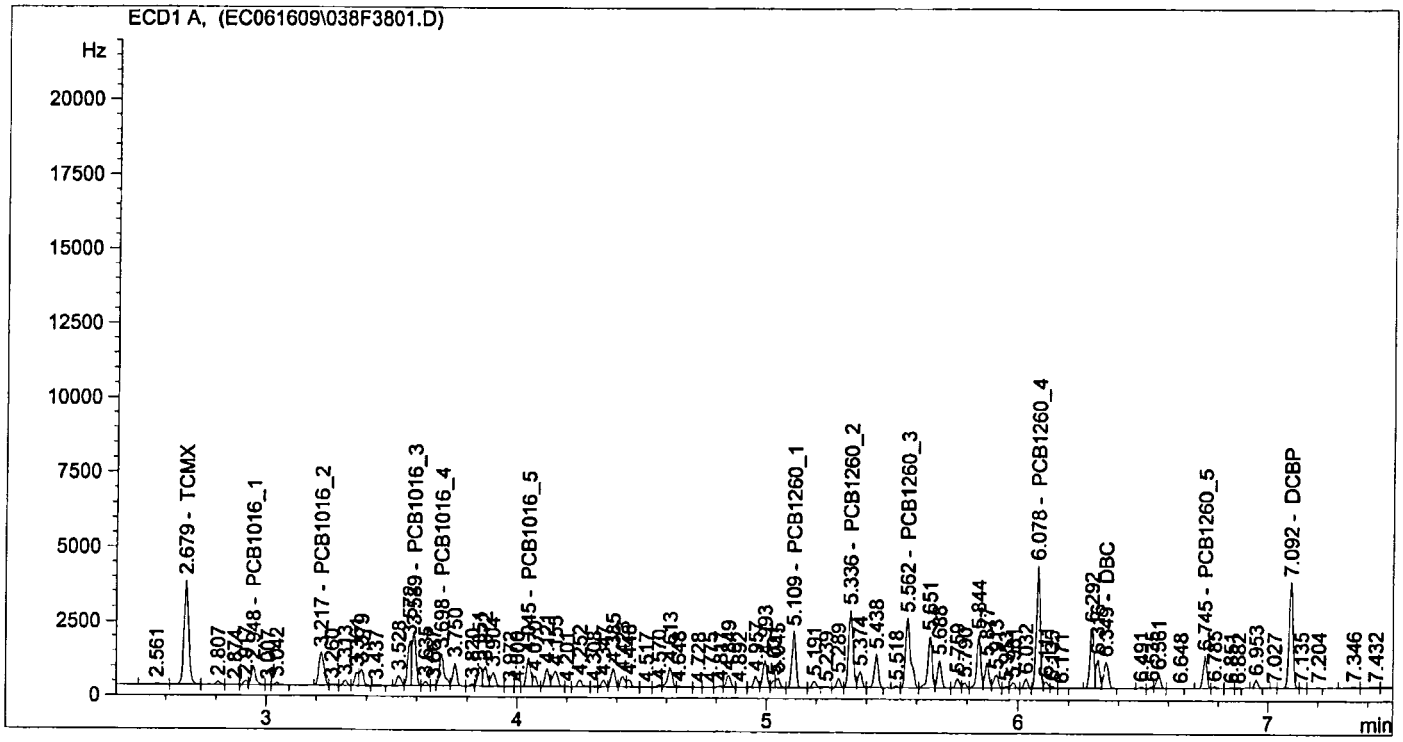


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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	4626.69043	2.01923e-3	9.34235		TCMX
2.948	VV	850.59192	9.84966e-2	83.78039		PCB1016_1
3.217	BV	1599.89221	4.90470e-2	78.46993		PCB1016_2
3.589	VV	2033.84790	4.36077e-2	88.69151		PCB1016_3
3.698	VV	1423.24719	6.17584e-2	87.89743		PCB1016_4
4.045	VV	1106.63562	8.13722e-2	90.04934		PCB1016_5
5.109	VV	2028.33423	4.62805e-2	93.87227		PCB1260_1
5.336	VV	3216.15210	2.95643e-2	95.08322		PCB1260_2
5.562	VV	3360.40771	2.87353e-2	96.56241		PCB1260_3
6.078	VV	4285.95654	2.29913e-2	98.53964		PCB1260_4
6.349	VB	1223.74329	8.10701e-3	9.92090		DBC
6.745	VV	1109.86353	9.06950e-2	100.65909		PCB1260_5
7.092	VV	3759.68237	2.75030e-3	10.34024		DCBP
Totals :				943.20871		

BWS
6.17.09

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==================================================================
Injection Date  : 6/16/2009 10:24:44 PM          Seq. Line :  39
Sample Name     : PCB x40 ICAL                    Location : Vial 39
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
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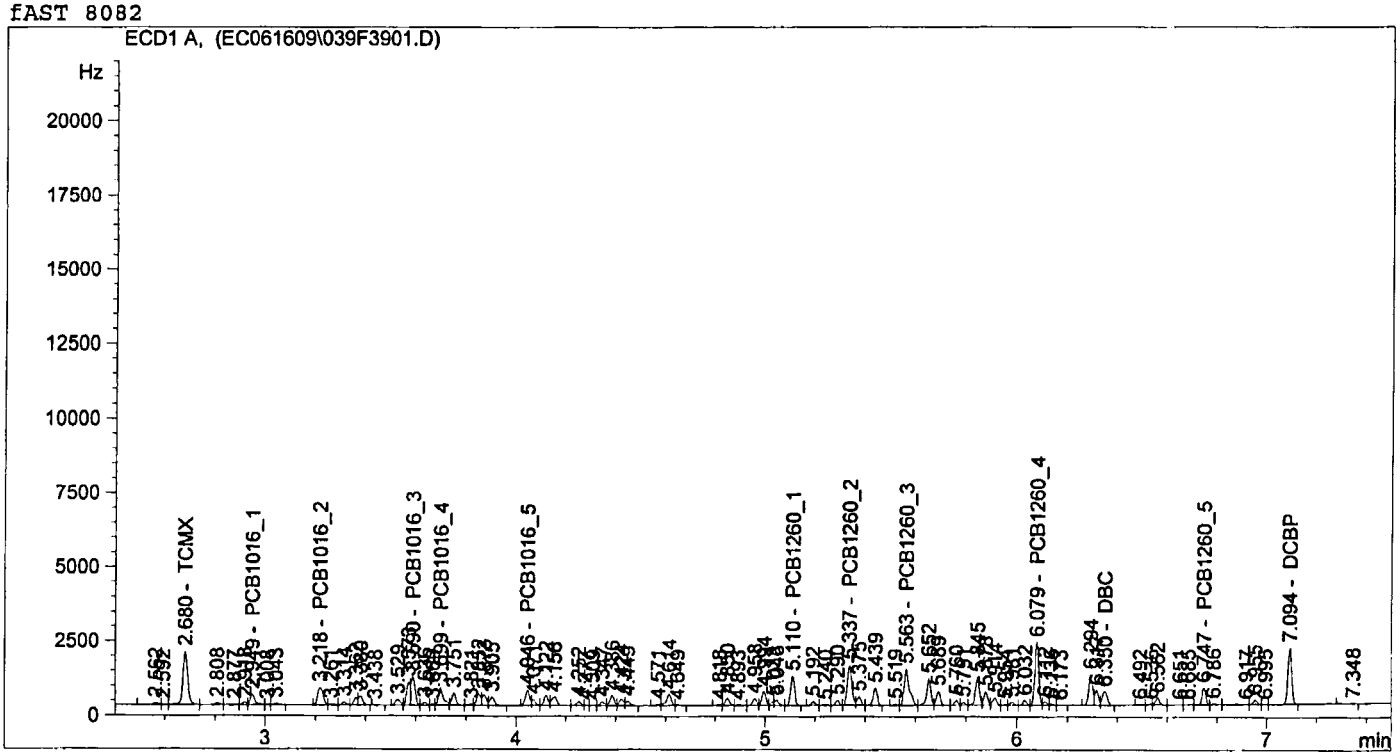


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==================================================================
                      External Standard Report
==================================================================
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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	2358.12231	2.37921e-3	5.61048		TCMX
2.949	VV	458.08719	8.28600e-2	37.95712		PCB1016_1
3.218	BV	854.01141	3.81689e-2	32.59668		PCB1016_2
3.590	VV	1067.60730	4.71099e-2	50.29484		PCB1016_3
3.699	VV	761.53467	6.23297e-2	47.46620		PCB1016_4
4.046	PV	607.16089	8.47880e-2	51.47995		PCB1016_5
5.110	VV	1090.11560	5.23884e-2	57.10944		PCB1260_1
5.337	VV	1693.51343	3.39427e-2	57.48234		PCB1260_2
5.563	VV	1762.67249	3.39598e-2	59.85996		PCB1260_3
6.079	VV	2219.36157	2.84526e-2	63.14669		PCB1260_4
6.350	VV	635.44293	9.68579e-3	6.15477		DBC
6.747	VV	564.69189	1.13281e-1	63.96907		PCB1260_5
7.094	VV	1977.56738	3.43020e-3	6.78346		DCBP

Totals : 539.91099

BWS
6/17/09

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	68.25872803	3.31863
		2	54.14932251	3.4258101
		3	171.6998596	3.47351
		4	0	0
		5	0	0
	100	1	134.818222	3.3185799
		2	93.75131226	3.4258699
		3	334.0836182	3.4739499
		4	0	0
		5	0	0
	200	1	275.8415222	3.31863
		2	187.9540558	3.42608
		3	654.3911743	3.4741499
		4	0	0
		5	0	0
	500	1	666.2232666	3.31865
		2	442.7644043	3.42591
		3	1580.27002	3.4739399
		4	0	0
		5	0	0
	1000	1	1352.282471	3.3185201
		2	878.3676147	3.42574
		3	3245.028809	3.4734499
		4	0	0
		5	0	0
	2000	1	2881.797607	3.31828
		2	1829.250732	3.42557
		3	6903.972168	3.4735999
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	3.2885	3.3485
2	3.3958	3.4558
3	3.4438	3.5038
4		
5		

Peak	Correlation Coefficient (r)
1	0.999397081
2	0.999671596
3	0.999354877
4	
5	

Peak	Slope (y)
1	0.69661673
2	1.103230345
3	0.290868062
4	
5	

Peak	Intercept (b)
1	15.45734798
2	-1.020489447
3	15.14532091
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	495.0893555	2.95327
		2	395.8239136	3.2230301
		3	525.0204468	3.5950401
		4	292.696106	4.0517302
		5	251.546936	4.4556398
	100	1	822.0823364	2.9533701
		2	627.5452271	3.22329
		3	845.7796021	3.5953801
		4	440.4623718	4.0520701
		5	406.5694275	4.45614
	200	1	1918.338501	2.9526601
		2	1475.925781	3.2225499
		3	1920.7677	3.59483
		4	955.569458	4.05125
		5	916.8273926	4.45506
	500	1	5459.367188	2.9532599
		2	4011.202393	3.2229099
		3	5890.492676	3.5949399
		4	2581.757813	4.0513
		5	2731.882568	4.4552202
	1000	1	10642.22656	2.95364
		2	8107.244629	3.22352
		3	11423.75781	3.5956399
		4	5312.279297	4.05231
		5	5470.343262	4.4562201
	2000	1	21929.52148	2.95332
		2	16745.51172	3.2232001
		3	24888.66992	3.59514
		4	11396.51563	4.0517502
		5	11935.27344	4.4556999

Peak	RT Window From	RT Window To
1	2.9233	2.9833
2	3.1931	3.2531
3	3.5652	3.6252
4	4.0217	4.0817
5	4.4257	4.4857

Peak	Correlation Coefficient (r)
1	0.99980252
2	0.999796603
3	0.999152508
4	0.999245784
5	0.999117781

Peak	Slope (y)
1	0.090809351
2	0.118921741
3	0.079932803
4	0.175114454
5	0.166558646

Peak	Intercept (b)
1	15.43408851
2	18.37121099
3	33.91633781
4	27.70412041
5	37.267483

PCB Initial Calibration Summary

Sample ID: A1242
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	403.0035706	2.94821
		2	725.3896484	3.2174399
		3	897.3375854	3.5889201
		4	509.7808533	4.0448699
		5	513.4442139	4.4223499
	100	1	793.5803223	2.9484501
		2	1467.12085	3.2176499
		3	1857.668701	3.5894201
		4	1025.639404	4.0453701
		5	1045.561646	4.4226699
	200	1	1538.385742	2.9498799
		2	2850.614014	3.21928
		3	3870.946045	3.5906601
		4	2049.926758	4.0471101
		5	2122.512451	4.4245901
	500	1	3628.715576	2.9507599
		2	6743.108398	3.21929
		3	10631.87207	3.5915501
		4	4836.100586	4.0467901
		5	5635.855957	4.4250598
	1000	1	8266.917969	2.9516699
		2	15512.74023	3.2212901
		3	22709.72656	3.59319
		4	11790.20996	4.0496001
		5	12501.0459	4.4270201
	2000	1	15892.9834	2.9526701
		2	29535.74609	3.2226501
		3	44998.21484	3.5947499
		4	23374.73242	4.0508699
		5	25335.19531	4.4284501

Peak	RT Window From	RT Window To
1	2.9203	2.9803
2	3.1896	3.2496
3	3.5614	3.6214
4	4.0174	4.0774
5	4.3950	4.4550

Peak	Correlation Coefficient (r)
1	0.999382277
2	0.99924372
3	0.999835192
4	0.998984327
5	0.99965219

✓

Peak	Slope (y)
1	0.124937308
2	0.067088902
3	0.043983124
4	0.084482632
5	0.07816203

Peak	Intercept (b)
1	4.410879429
2	4.503517866
3	17.15669073
4	26.28450961
5	25.72961152

PCB Initial Calibration Summary

Sample ID: A1248
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	689.8724365	3.5885501
		2	361.0348816	3.8517399
		3	989.3600464	4.4222999
		4	791.9811401	4.6195402
		5	474.0143738	4.9567099
	100	1	1206.299561	3.5888801
		2	1041.661865	3.85131
		3	1840.272339	4.42238
		4	1445.289917	4.6200199
		5	865.4060059	4.9569502
	200	1	2780.866699	3.5878699
		2	2357.027588	3.85039
		3	4327.105469	4.4215598
		4	3333.630859	4.6187901
		5	1994.117676	4.9559798
	500	1	7947.630371	3.58832
		2	6716.694336	3.8503301
		3	12407.98633	4.42167
		4	9514.631836	4.61975
		5	5683.827637	4.9563398
	1000	1	17201.23828	3.5877299
		2	15082.45215	3.8497901
		3	26991.54883	4.4212699
		4	20718.24609	4.6191101
		5	12462.66113	4.9556799
	2000	1	36665.78516	3.5884299
		2	31148.52148	3.8506501
		3	58161.60547	4.4218602
		4	44654.57031	4.6196499
		5	27130.5918	4.9560599

Peak	RT Window From	RT Window To
1	3.5583	3.6183
2	3.8207	3.8807
3	4.3918	4.4518
4	4.5895	4.6495
5	4.9263	4.9863

Peak	Correlation Coefficient (r)
1	0.999329938
2	0.999647016
3	0.999192989
4	0.999159614
5	0.998955352

✓

Peak	Slope (y)
1	0.053938235
2	0.063106134
3	0.033968994
4	0.044269949
5	0.072846844

Peak	Intercept (b)
1	42.25924654
2	43.56928499
3	47.13983997
4	46.35215364
5	49.81163788

PCB Initial Calibration Summary

Sample ID: A1254
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	747.9595947	4.3836298
		2	1354.875122	4.61128
		3	1309.114502	4.9548202
		4	1002.311523	5.1868401
		5	1361.233276	5.5612702
	100	1	1435.143066	4.38377
		2	2587.542725	4.6112299
		3	2598.473389	4.9552302
		4	1981.654297	5.18681
		5	2636.437012	5.56142
	200	1	3080.650391	4.38446
		2	5549.410156	4.61164
		3	5754.399414	4.9558001
		4	4395.102539	5.1876402
		5	5617.833984	5.5620098
	500	1	8812.304688	4.3850398
		2	15951.19336	4.6125302
		3	16803.64844	4.95645
		4	12786.76074	5.1880298
		5	16708.86914	5.56218
	1000	1	17927.06445	4.3857198
		2	32643.64453	4.6135402
		3	34668.50781	4.9574499
		4	26454.19531	5.1893702
		5	34650.625	5.5636301
	2000	1	35488.17188	4.38515
		2	65032.93359	4.6129198
		3	69611.28906	4.95679
		4	53509.94531	5.18852
		5	70319.60156	5.56285

Peak	RT Window From	RT Window To
1	4.3546	4.4146
2	4.5822	4.6422
3	4.9261	4.9861
4	5.1579	5.2179
5	5.5322	5.5922

Peak	Correlation Coefficient (r)
1	0.999871063
2	0.999883624
3	0.999887813
4	0.999886128
5	0.999848139

Peak	Slope (y)
1	0.055854704
2	0.030471499
3	0.028411196
4	0.036973921
5	0.028133881

Peak	Intercept (b)
1	11.71563016
2	14.72687888
3	20.89432368
4	22.96707296
5	24.36222119

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	458.0871887	2.9489901
		2	854.0114136	3.2182
		3	1067.6073	3.58971
		4	761.534668	3.69853
		5	607.1608887	4.0458798
	100	1	850.5919189	2.9480901
		2	1599.892212	3.2174301
		3	2033.8479	3.58881
		4	1423.247192	3.6976199
		5	1106.63562	4.0448298
	200	1	1826.835083	2.94767
		2	3515.662354	3.2168901
		3	4714.23291	3.5883801
		4	3178.363525	3.69735
		5	2462.755127	4.0446401
	500	1	4683.422363	2.9478099
		2	9094.140625	3.2171299
		3	13010.7832	3.5883801
		4	8536.231445	3.6970899
		5	6655.703613	4.0445199
	1000	1	8630.020508	2.9468901
		2	16632.63867	3.2163401
		3	24277.0332	3.58762
		4	16078.62793	3.6963401
		5	12605.62012	4.04353
	2000	1	17240.79102	2.9468701
		2	32684.54492	3.21632
		3	50340.64453	3.5873201
		4	32776.96875	3.6963201
		5	25933.19531	4.04321

Peak	RT Window From	RT Window To
1	2.9177	2.9777
2	3.1871	3.2471
3	3.5584	3.6184
4	3.6672	3.7272
5	4.0144	4.0744

Peak	Correlation Coefficient (r)
1	0.999767974
2	0.999615666
3	0.999701823
4	0.99982024
5	0.999800099

Peak	Slope (y)
1	0.116691605
2	0.061454851
3	0.039714517
4	0.061078938
5	0.077189043

Peak	Intercept (b)
1	-15.21846314
2	-19.41966486
3	8.246950002
4	1.165477844
5	4.84904761

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	1090.115601	5.1100502
		2	1693.513428	5.3373599
		3	1762.672485	5.5627599
		4	2219.361572	6.07901
		5	564.6918945	6.7466302
	100	1	2028.334229	5.1089802
		2	3216.1521	5.33599
		3	3360.407715	5.5618
		4	4285.956543	6.0783401
		5	1109.863525	6.74509
	200	1	4633.165039	5.1089501
		2	7301.729492	5.33606
		3	7683.144531	5.5619102
		4	10039.87402	6.0783701
		5	2536.742188	6.7459998
	500	1	12690.63965	5.1089702
		2	20060.8457	5.3362699
		3	21289.37891	5.56216
		4	27860.55859	6.0781002
		5	7103.523438	6.74508
	1000	1	24334.97461	5.1079702
		2	38473.16016	5.3350201
		3	41053.27344	5.56106
		4	54541.90625	6.0773802
		5	13755.09082	6.7446499
	2000	1	51018.65625	5.1076198
		2	80949.1875	5.3348999
		3	86955.5	5.56072
		4	116463.375	6.0775199
		5	29673.20117	6.7441101

Peak	RT Window From	RT Window To
1	5.0788	5.1388
2	5.3059	5.3659
3	5.5317	5.5917
4	6.0481	6.1081
5	6.7153	6.7753

Peak	Correlation Coefficient (r)
1	0.99970242
2	0.999673663
3	0.999615082
4	0.999542832
5	0.999391482

Peak	Slope (y)
1	0.039160323
2	0.024678433
3	0.022953865
4	0.017110559
5	0.067218053

Peak	Intercept (b)
1	14.76702614
2	16.06921781
3	19.84633707
4	25.69948897
5	26.71242249

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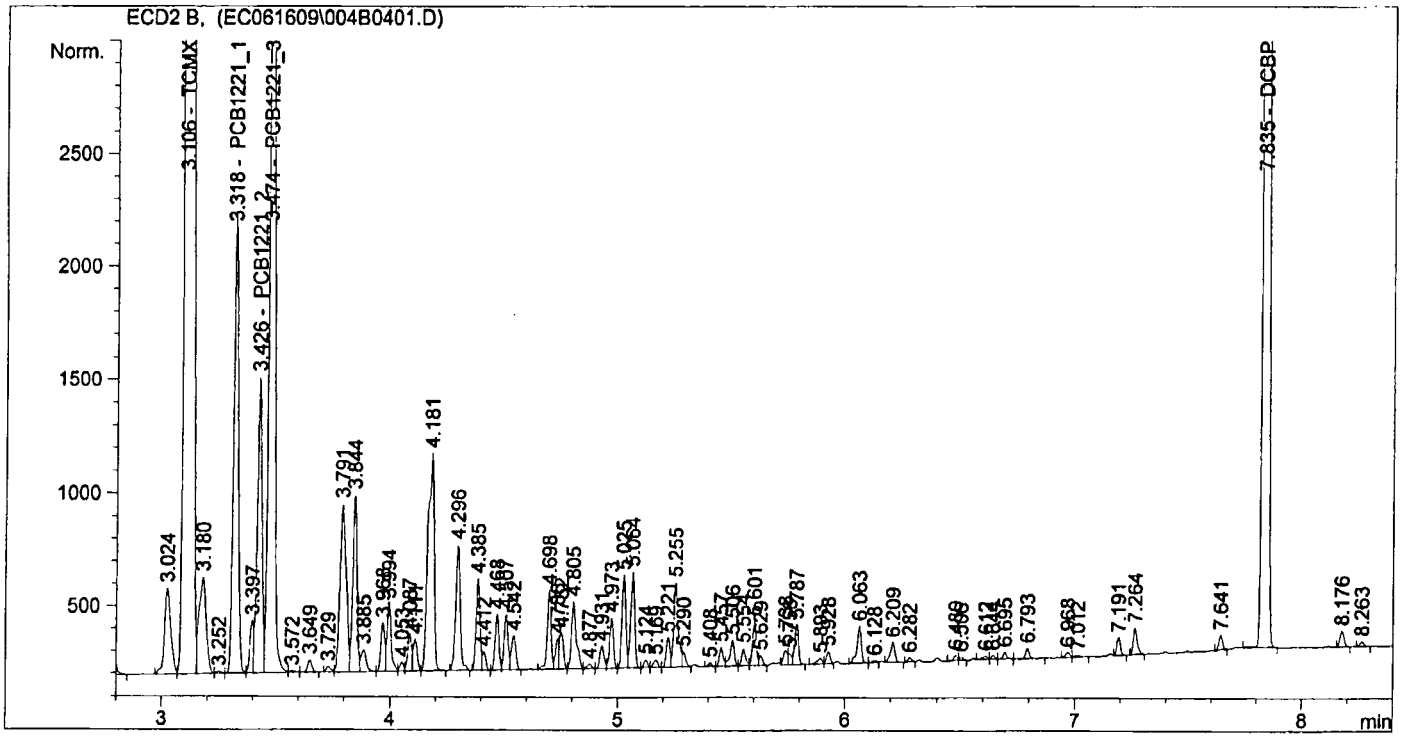
==================================================================
Injection Date  : 6/16/2009 3:19:26 PM          Seq. Line :   4
Sample Name     : A1221 x2000 ICAL               Location : Vial 4
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 9:25:07 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.01823e4	6.73864e-3	203.38781		TCMX
3.318	VV	2881.79761	7.02560e-1	2024.63492		PCB1221_1
3.426	VV	1829.25073	1.10317	2017.96934		PCB1221_2
3.474	VV	6903.97217	2.93321e-1	2025.07684		PCB1221_3
6.890		-	-	-		DBC
7.835	BP	3.04287e4	6.70653e-3	204.07139		DCBP
Totals :				6475.14029		

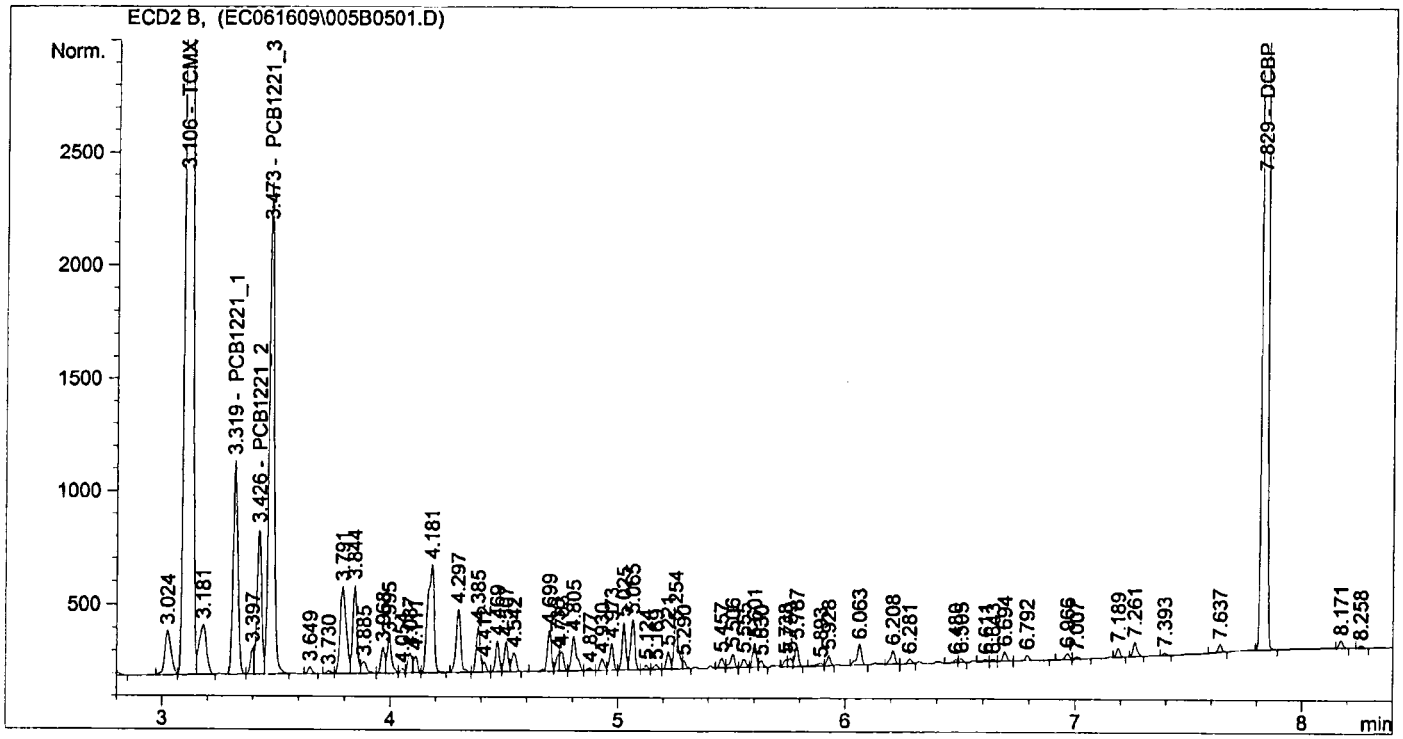
BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

ECD2 6/17/2009 9:25:30 AM BWS

```
==================================================================
Injection Date  : 6/16/2009 3:32:12 PM          Seq. Line :   5
Sample Name     : A1221 x1000 ICAL               Location : Vial 5
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 8:56:45 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

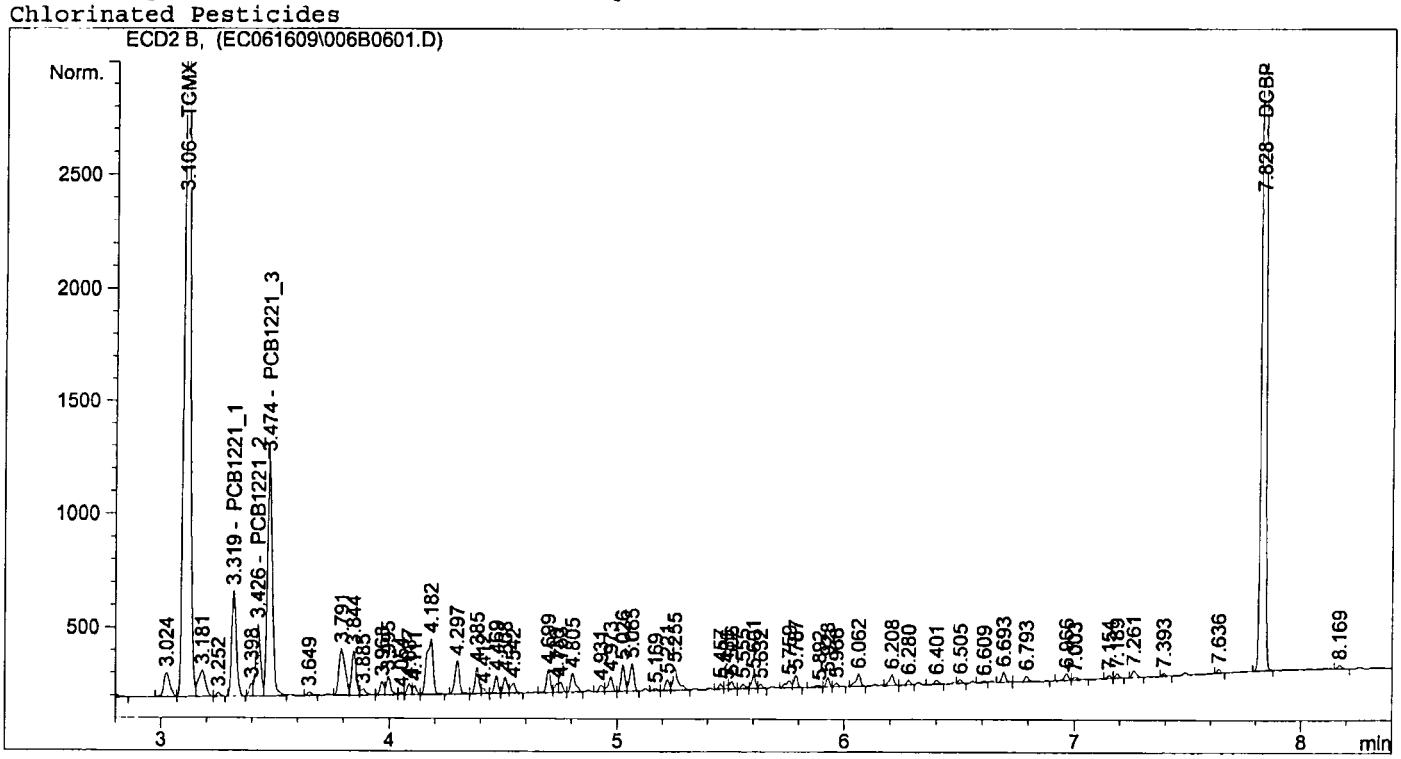
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.37204e4	6.90532e-3	94.74401		TCMX
3.319	BV	1352.28247	7.08331e-1	957.86312		PCB1221_1
3.426	VV	878.36761	1.10231	968.23687		PCB1221_2
3.473	VB	3245.02881	2.95662e-1	959.43257		PCB1221_3
6.890		-	-	-		DBC
7.829	BB	1.36037e4	6.86986e-3	93.45533		DCBP
Totals :				3073.73190		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

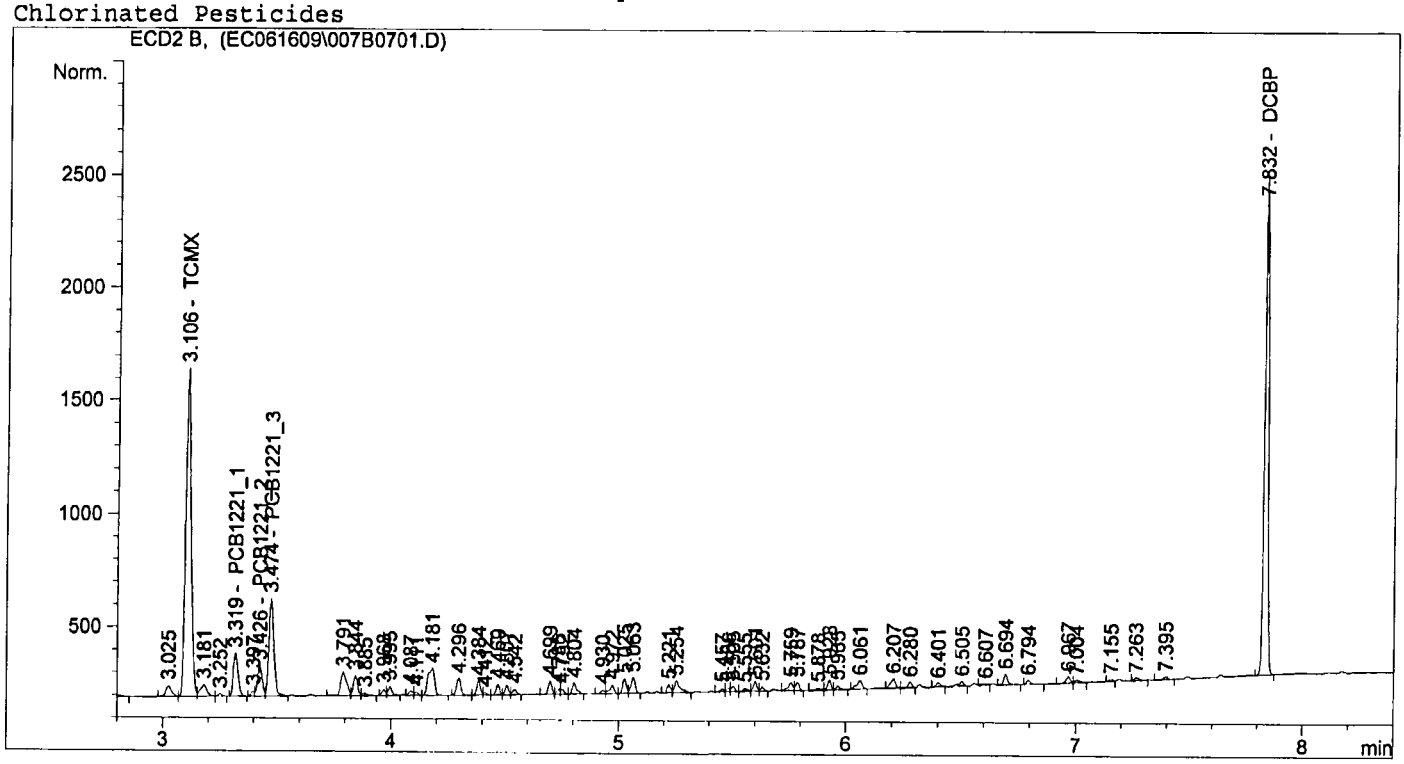
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6381.74414	7.25673e-3	46.31061		TCMX
3.319	BB	666.22327	7.19528e-1	479.36598		PCB1221_1
3.426	VV	442.76440	1.10070	487.35039		PCB1221_2
3.474	VV	1580.27002	3.00317e-1	474.58204		PCB1221_3
6.890		-	-	-		DBC
7.828	BB	6373.09912	7.20499e-3	45.91812		DCBP
Totals :				1533.52714		

BLS
6·17·09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   7
Sample Name     : A1221 x200 ICAL                Location : Vial 7
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

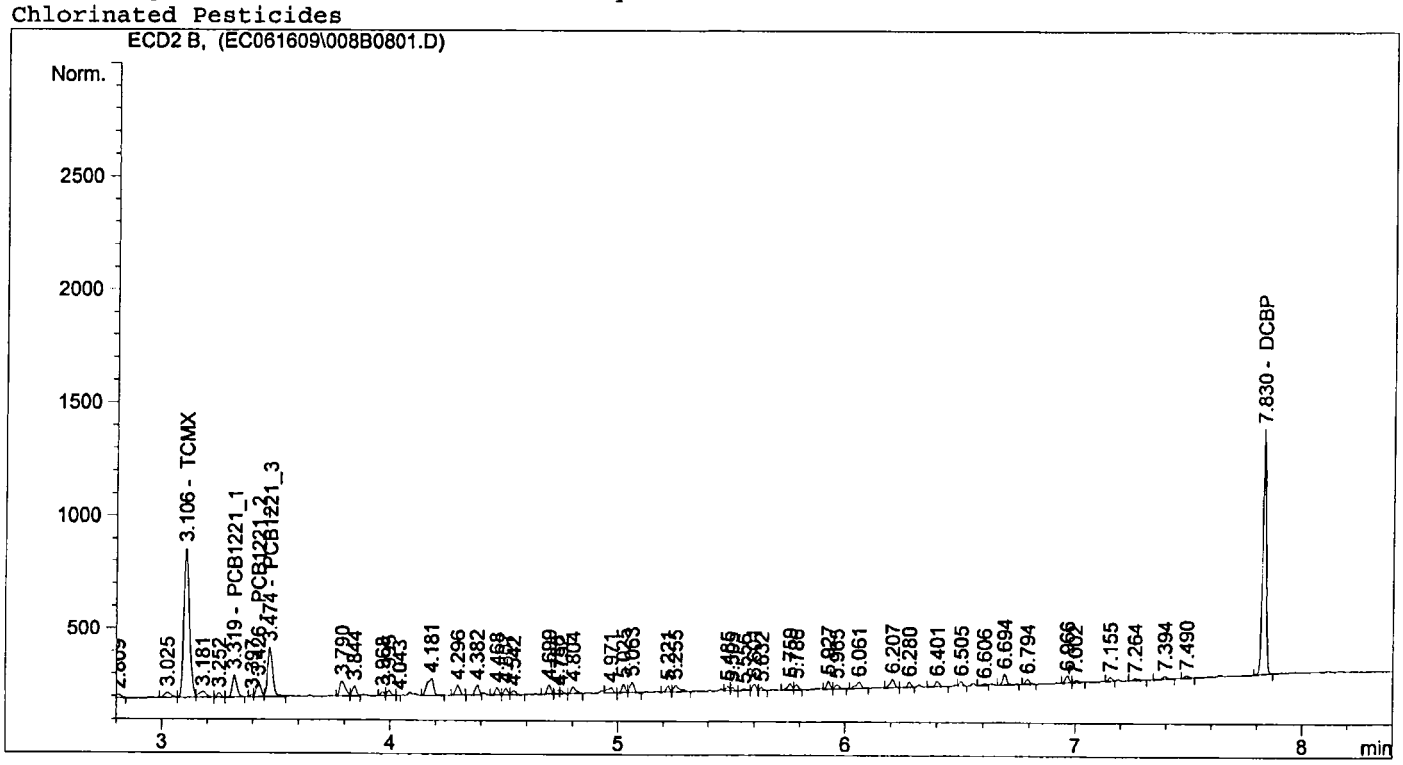
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2397.96655	8.34823e-3	20.01878		TCMX
3.319	BB	275.84152	7.50762e-1	207.09131		PCB1221_1
3.426	VV	187.95406	1.09628	206.05115		PCB1221_2
3.474	VB	654.39117	3.13155e-1	204.92564		PCB1221_3
6.890		-	-	-		DBC
7.832	BB	2483.32471	8.19260e-3	20.34488		DCBP
Totals :				658.43176		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:10:48 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1131.83484	1.03042e-2	11.66266		TCMX
3.319	VB	134.81822	8.06520e-1	108.73355		PCB1221_1
3.426	VV	93.75131	1.08858	102.05553		PCB1221_2
3.474	VB	334.08362	3.34162e-1	111.63808		PCB1221_3
6.890		-	-	-		DBC
7.830	BB	1227.84082	9.84715e-3	12.09073		DCBP
Totals :				346.18055		

BWS
6.17.09

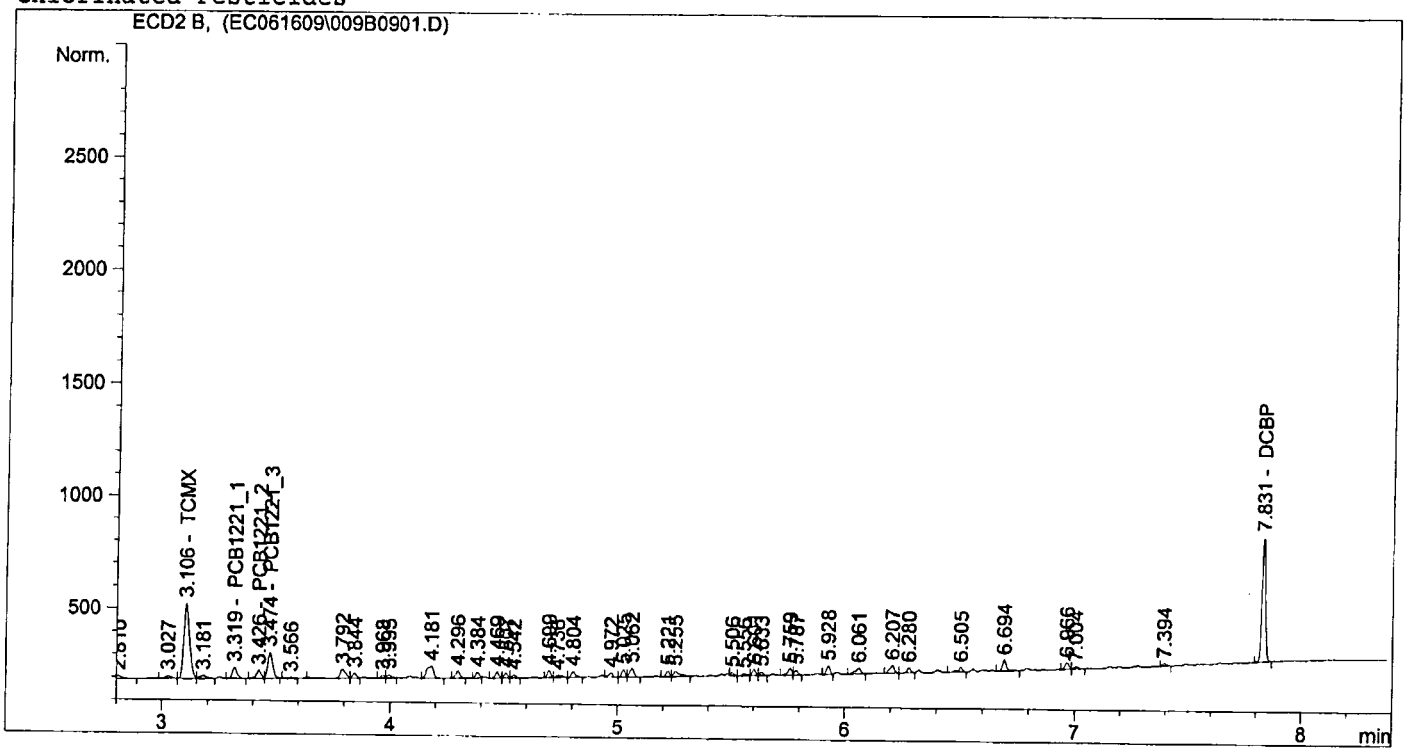
```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

==========

Injection Date : 6/16/2009 4:23:47 PM Seq. Line : 9
Sample Name : A1221 x40 ICAL Location : Vial 9
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 8:56:45 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	558.09558	1.41125e-2	7.87614		TCMX
3.319	VB	68.25873	9.12867e-1	62.31113		PCB1221_1
3.426	BV	54.14932	1.07733	58.33671		PCB1221_2
3.474	VB	171.69986	3.74752e-1	64.34483		PCB1221_3
6.890		-	-	-		DBC
7.831	BB	623.81079	1.30160e-2	8.11955		DCBP
Totals :				200.98835		

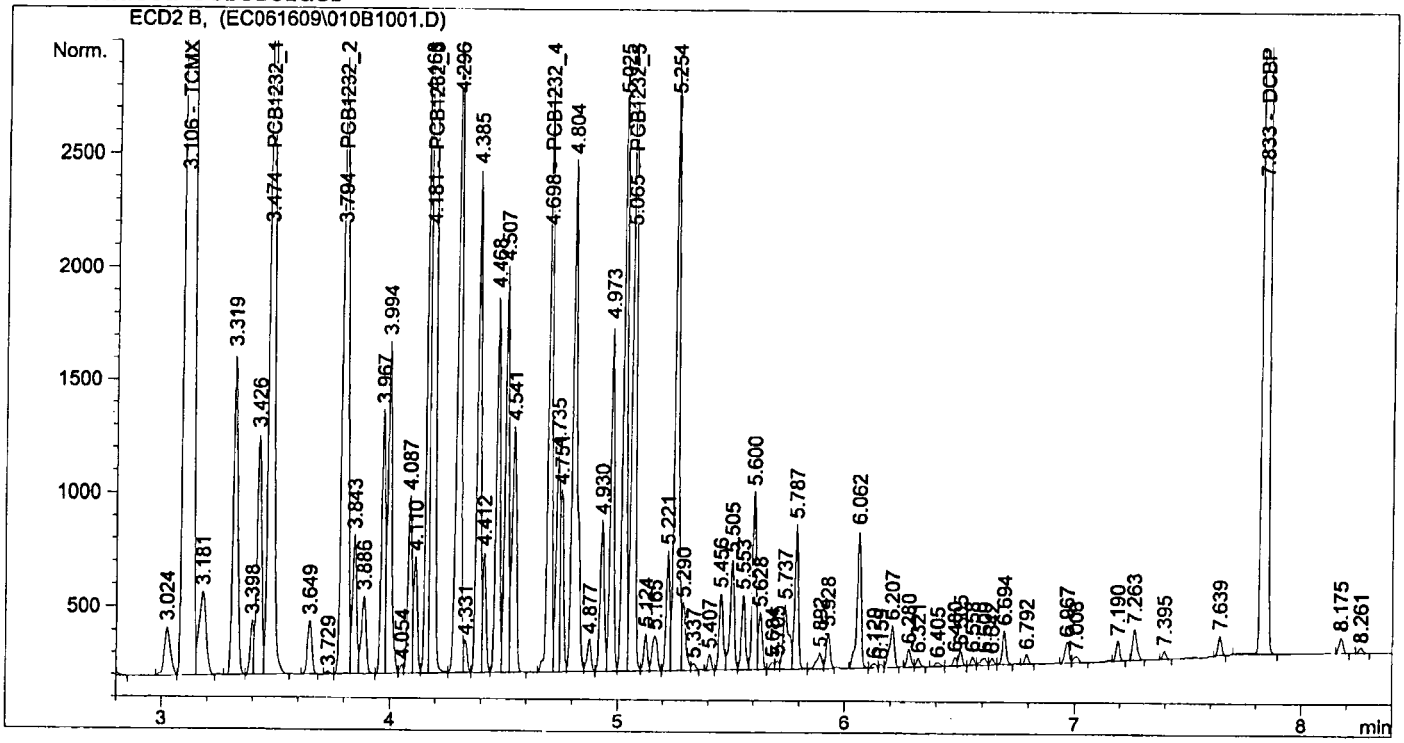
BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 4:36:37 PM          Seq. Line :  10
Sample Name     : A1232 x2000 ICAL               Location : Vial 10
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:21:24 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:21:22 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD2 B,

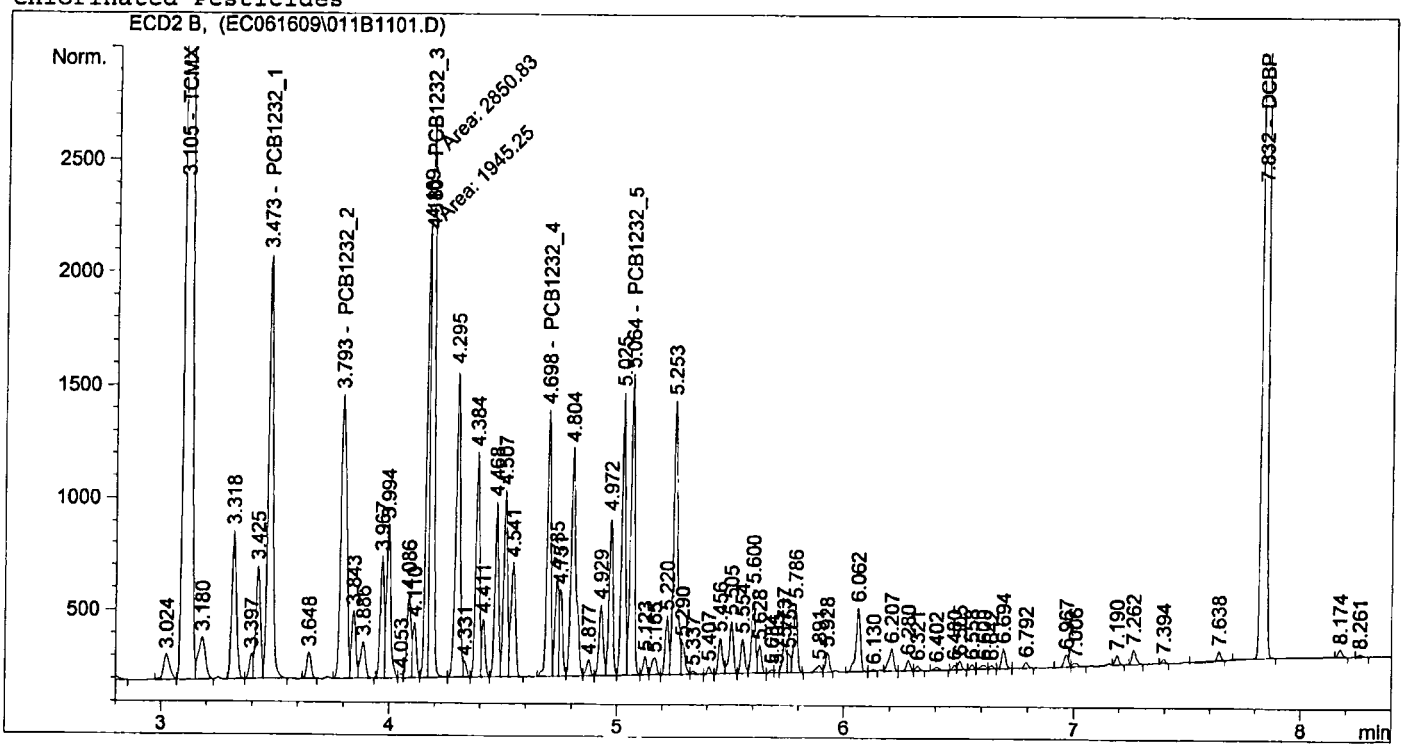
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.07829e4	6.60592e-3	203.34925		TCMX
3.474	VB	5829.13086	3.47485e-1	2025.53436		PCB1232_1
3.794	VV	4788.60791	4.23154e-1	2026.31672		PCB1232_2
4.181	VV	7059.39648	2.64861e-1	1869.75795		PCB1232_3
4.698	PV	2918.44727	6.95111e-1	2028.64335		PCB1232_4
5.065	VV	3467.22461	5.85284e-1	2029.31203		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	3.08501e4	6.61224e-3	203.98829		DCBP
Totals :				1.03869e4		

BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

```
==================================================================
Injection Date   : 6/16/2009 4:49:25 PM          Seq. Line :  11
Sample Name      : A1232 x1000 ICAL               Location : Vial 11
Acq. Operator    : BWS                                Inj :   1
                                                Inj Volume : 1 µl
Acq. Method      : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed     : 12/5/2007 1:06:16 PM by DCS
Analysis Method  : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed     : 6/17/2009 10:22:06 AM by BWS
                   (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:22:04 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD2 B,

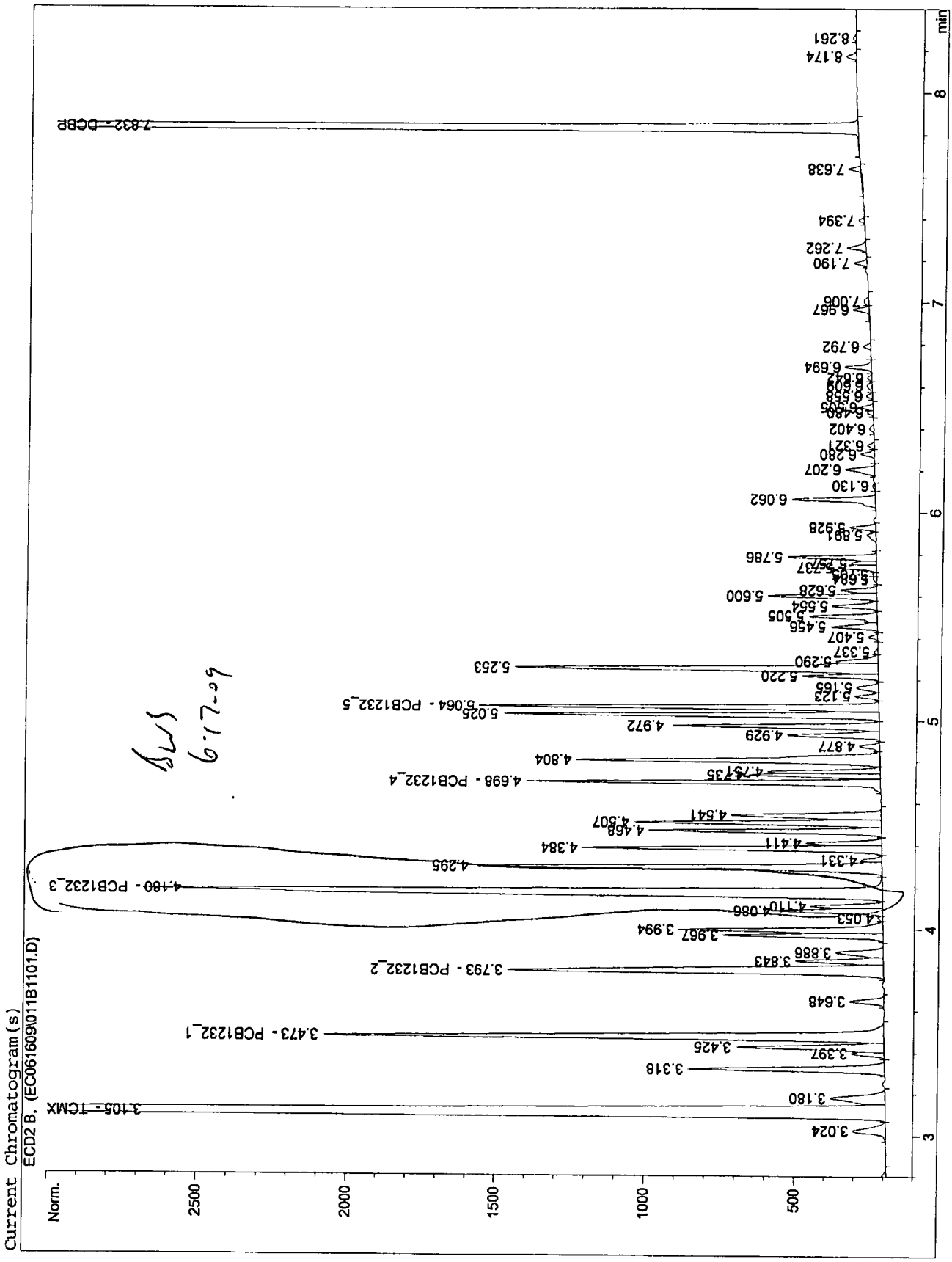
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	1.38047e4	6.81644e-3	94.09862		TCMX
3.473	VB	2691.67798	3.52963e-1	950.06210		PCB1232_1
3.793	VV	2218.20874	4.27105e-1	947.40858		PCB1232_2
4.180	FM	2850.83032	2.82281e-1	804.73630		PCB1232_3
4.698	PV	1341.82825	7.04198e-1	944.91323		PCB1232_4
5.064	VV	1594.22424	5.92052e-1	943.86407		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	1.36127e4	6.81968e-3	92.83438		DCBP
Totals :				4777.91728		

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

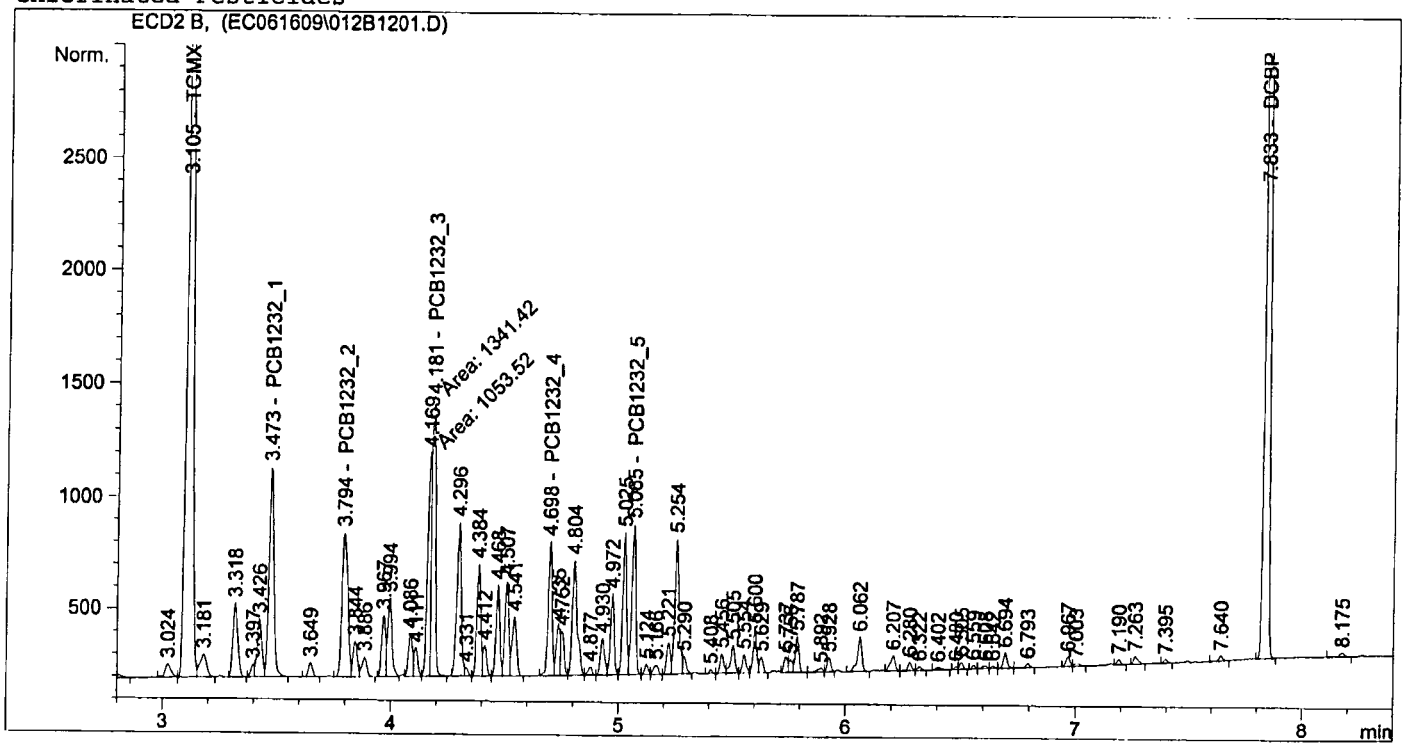
ECD2 6/17/2009 10:22:06 AM BWS

Print of window 38: Current Chromatogram(s)



ECD2 6/17/2009 10:21:43 AM BWS

```
==================================================================
Injection Date   : 6/16/2009 5:02:18 PM          Seq. Line :  12
Sample Name      : A1232 x500 ICAL                Location : Vial 12
Acq. Operator    : BWS                                Inj :   1
                                                Inj Volume : 1 µl
Acq. Method      : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed     : 12/5/2007 1:06:16 PM by DCS
Analysis Method  : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed     : 6/17/2009 10:22:55 AM by BWS
                   (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:22:52 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

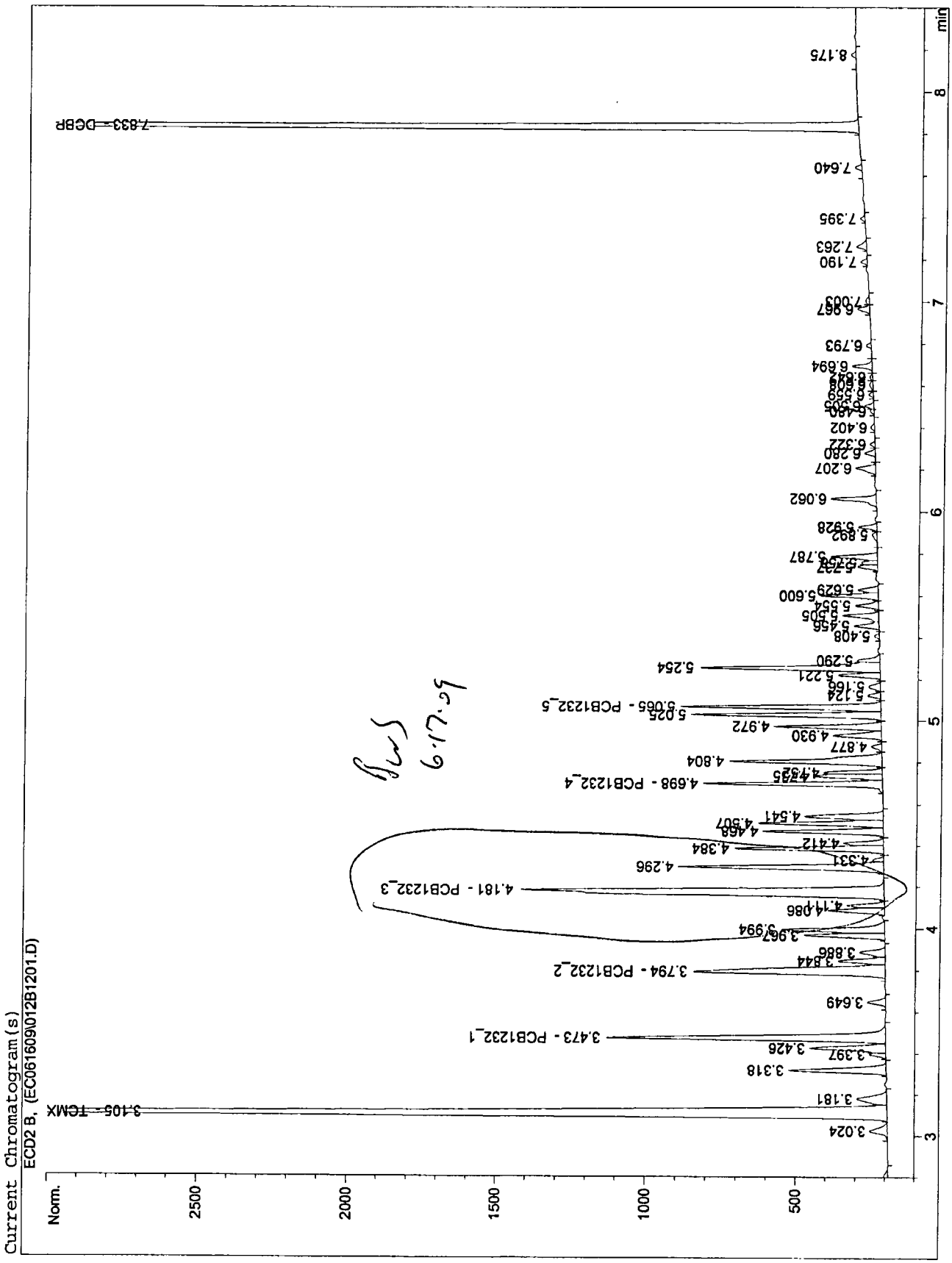
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	6693.57910	7.22193e-3	48.34053		TCMX
3.473	VB	1370.64856	3.62772e-1	497.23283		PCB1232_1
3.794	VV	1150.08057	4.33942e-1	499.06881		PCB1232_2
4.181	FM	1341.41992	3.06857e-1	411.62403		PCB1232_3
4.698	BV	687.42407	7.20213e-1	495.09149		PCB1232_4
5.065	VV	817.45380	6.03957e-1	493.70725		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	6673.33350	7.20574e-3	48.08628		DCBP
Totals :				2493.15122		

BWS
6·17·09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :
```

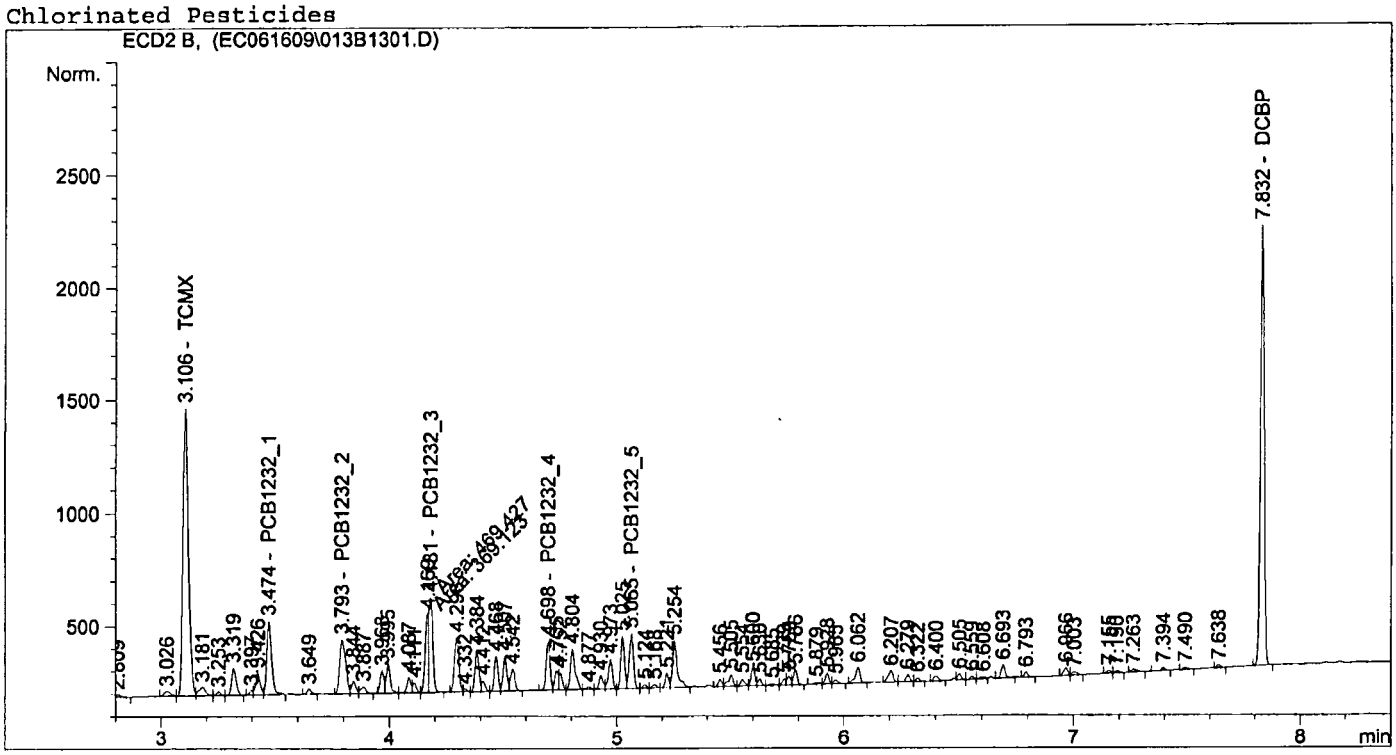
ECD2 6/17/2009 10:22:55 AM BWS

Print of window 38: Current Chromatogram(s)



ECD2 6/17/2009 10:22:28 AM BWS

```
==================================================================
Injection Date  : 6/16/2009 5:15:06 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:23:32 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:23:30 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2110.25537	8.93160e-3	18.84795		TCMX
3.474	VB	486.65030	3.99078e-1	194.21135		PCB1232_1
3.793	BV	427.34033	4.57957e-1	195.70335		PCB1232_2
4.181	FM	469.42694	3.87568e-1	181.93497		PCB1232_3
4.698	PV	247.69260	7.78508e-1	192.83062		PCB1232_4
5.065	VB	301.99167	6.45663e-1	194.98477		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	2197.49219	8.74824e-3	19.22420		DCBP

BWS
6.17.09

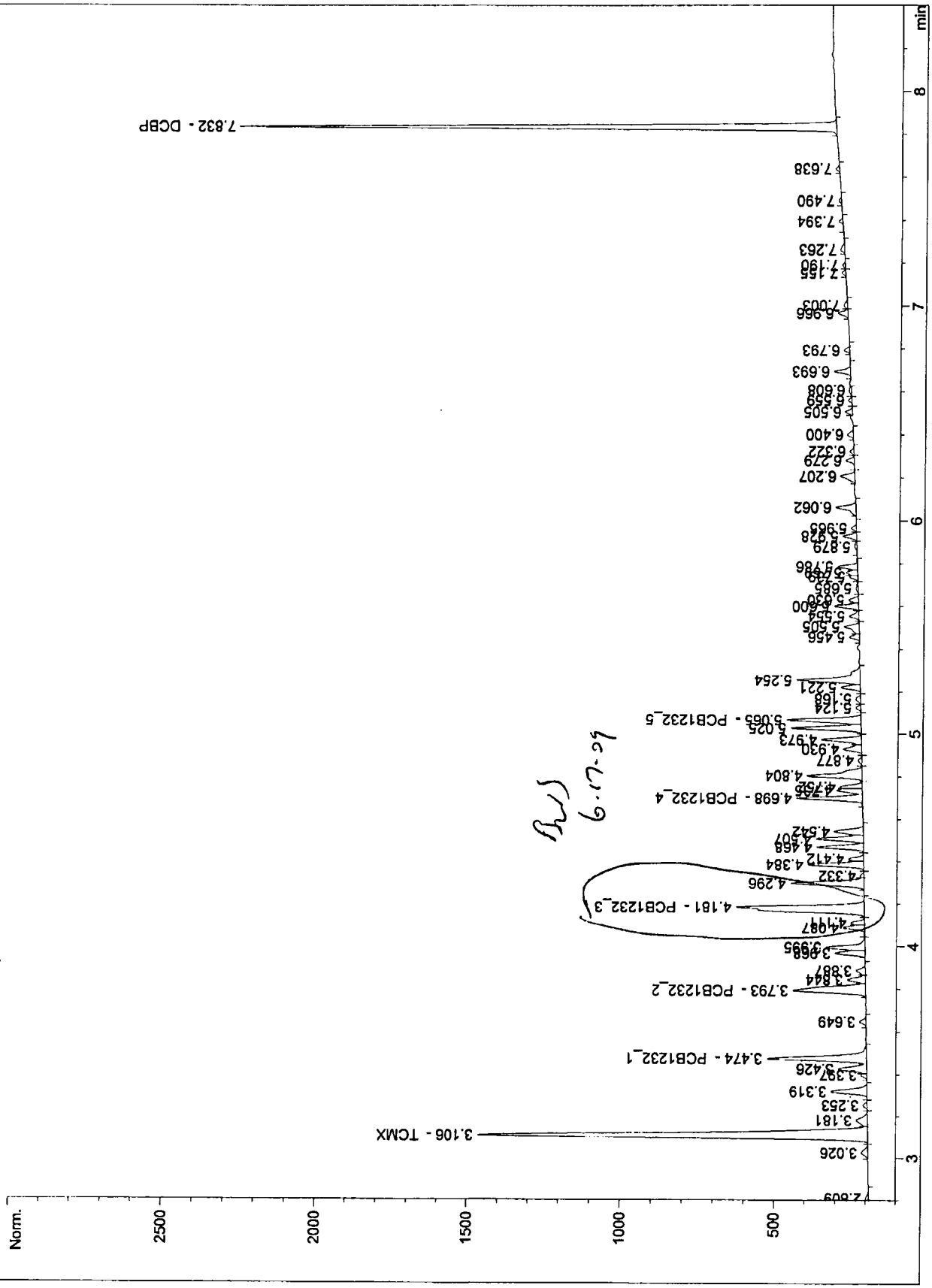
Totals : 997.73721

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:23:32 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)
ECD2 B, (EC061609\013B1301.D)

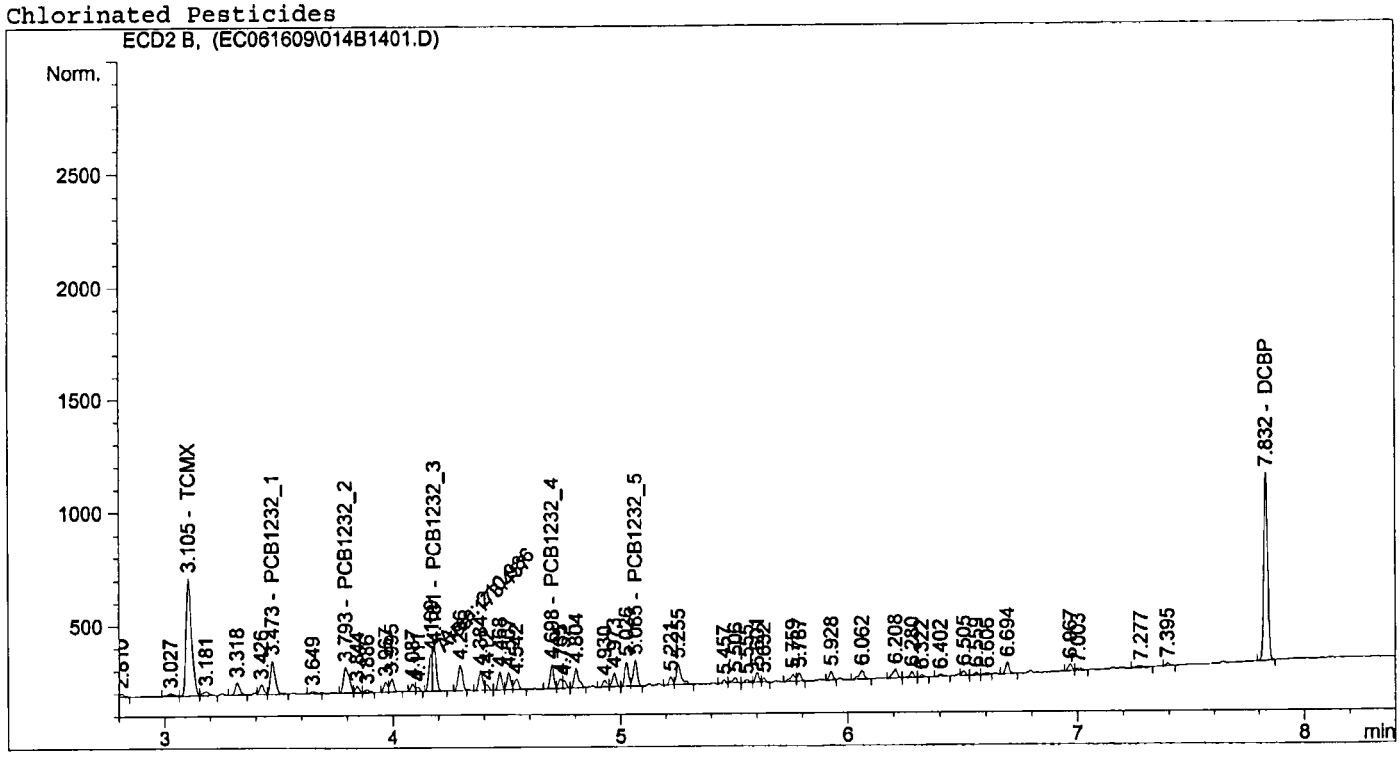


ECD2 6/17/2009 10:23:10 AM BWS

```
==================================================================
Injection Date   : 6/16/2009 5:28:05 PM          Seq. Line :  14
Sample Name      : A1232 x100 ICAL                Location : Vial 14
Acq. Operator    : BWS                                Inj :   1
                                                Inj Volume : 1 µl

Acq. Method      : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed     : 12/5/2007 1:06:16 PM by DCS
Analysis Method  : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed     : 6/17/2009 10:24:15 AM by BWS
                   (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:13 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	860.78107	1.25559e-2	10.80789		TCMX
3.473	VB	216.28876	4.69444e-1	101.53543		PCB1232_1
3.793	BV	200.24164	5.01295e-1	100.38017		PCB1232_2
4.181	FM	210.98586	5.72392e-1	120.76666		PCB1232_3
4.698	BV	116.21473	8.81608e-1	102.45588		PCB1232_4
5.065	VV	142.00189	7.20180e-1	102.26692		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	938.60114	1.18329e-2	11.10635		DCBP

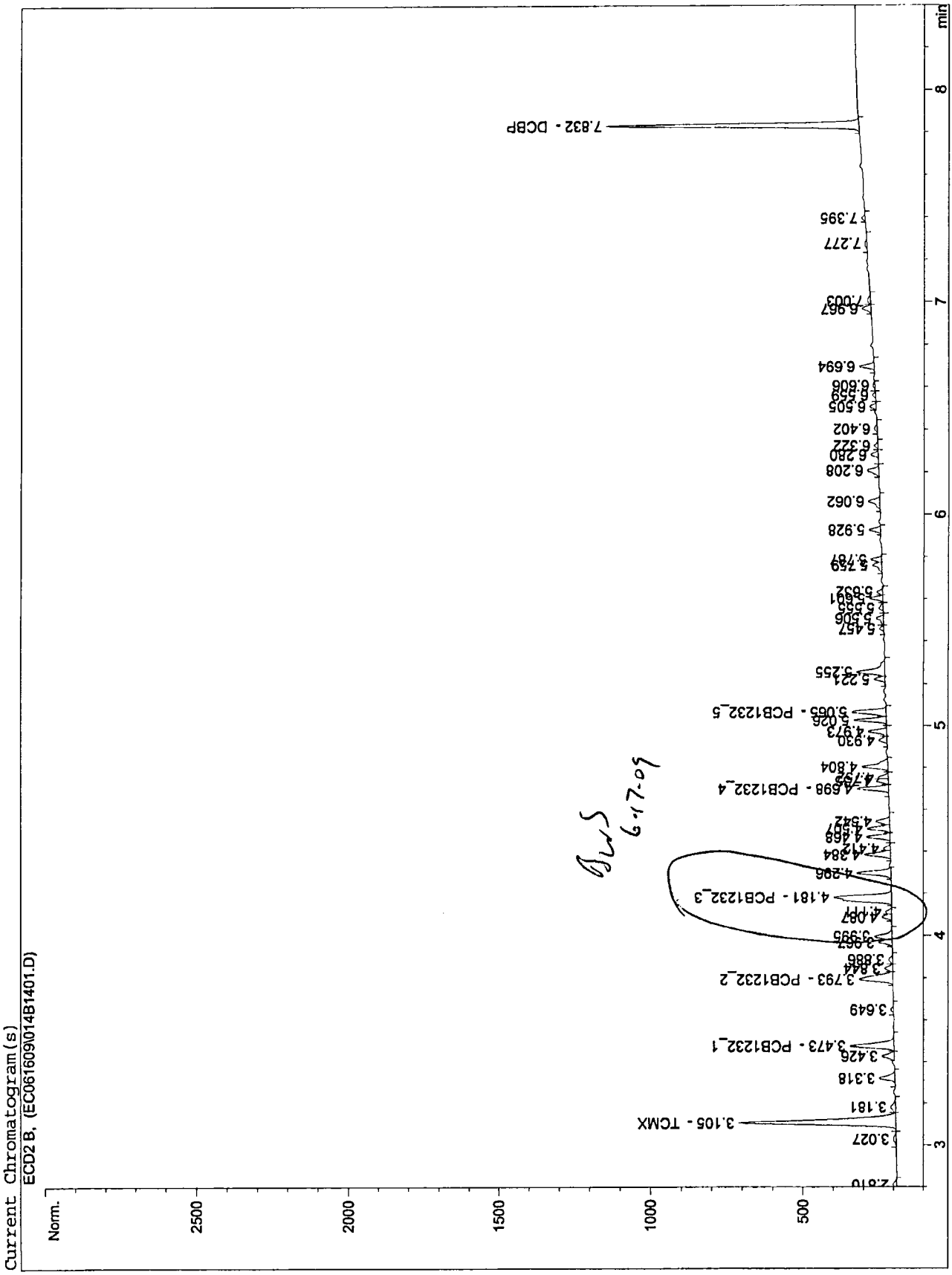
Totals : 549.31928

BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

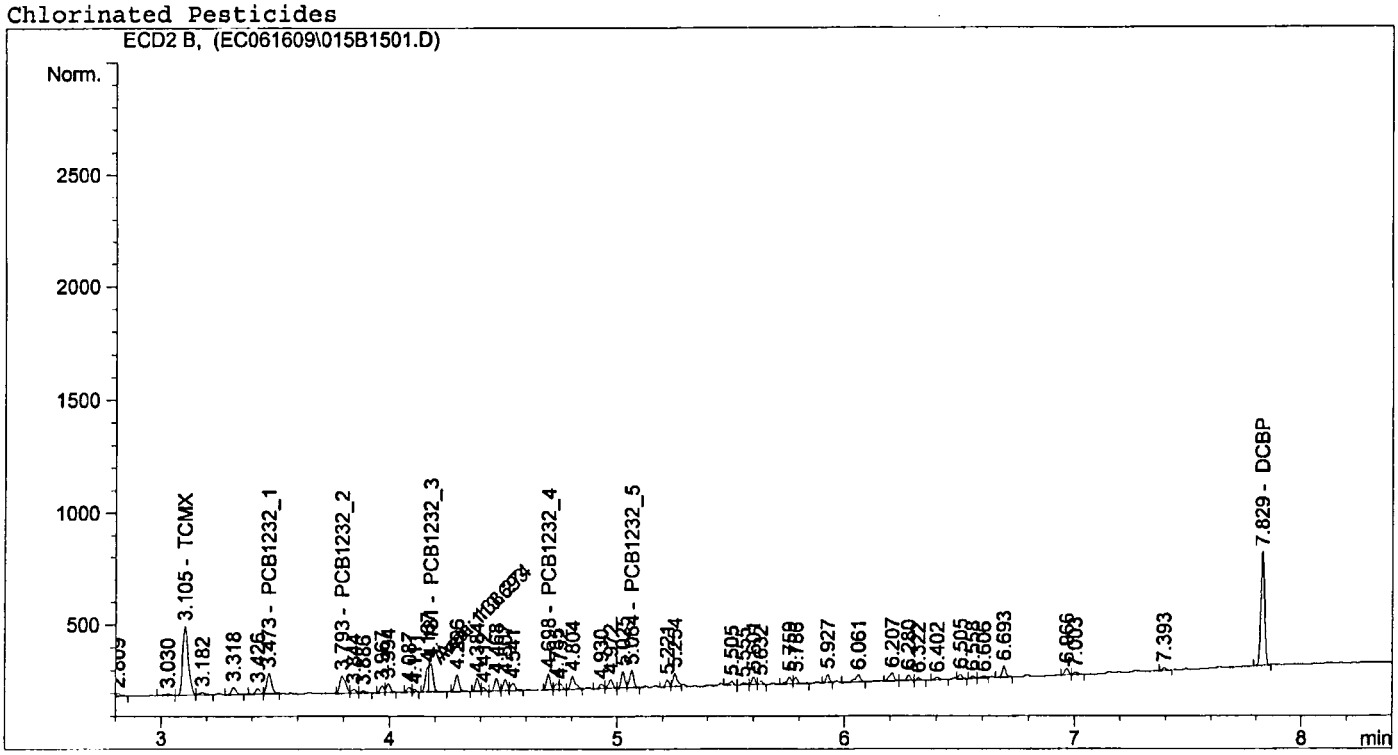
ECD2 6/17/2009 10:24:15 AM BWS

Print of window 38: Current Chromatogram(s)



ECD2 6/17/2009 10:23:55 AM BWS

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  15
Sample Name     : A1232 x40 ICAL                 Location : Vial 15
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:25:01 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	510.78622	1.67502e-2	8.55576		TCMX
3.473	VB	128.44514	5.56066e-1	71.42394		PCB1232_1
3.793	BV	130.53764	5.44842e-1	71.12238		PCB1232_2
4.181	FM	138.27422	7.88967e-1	109.09385		PCB1232_3
4.698	BV	77.82170	9.77432e-1	76.06543		PCB1232_4
5.064	VV	96.44386	7.86623e-1	75.86496		PCB1232_5
6.889		-	-	-		DBC
7.829	BB	574.81494	1.52406e-2	8.76050		DCBP

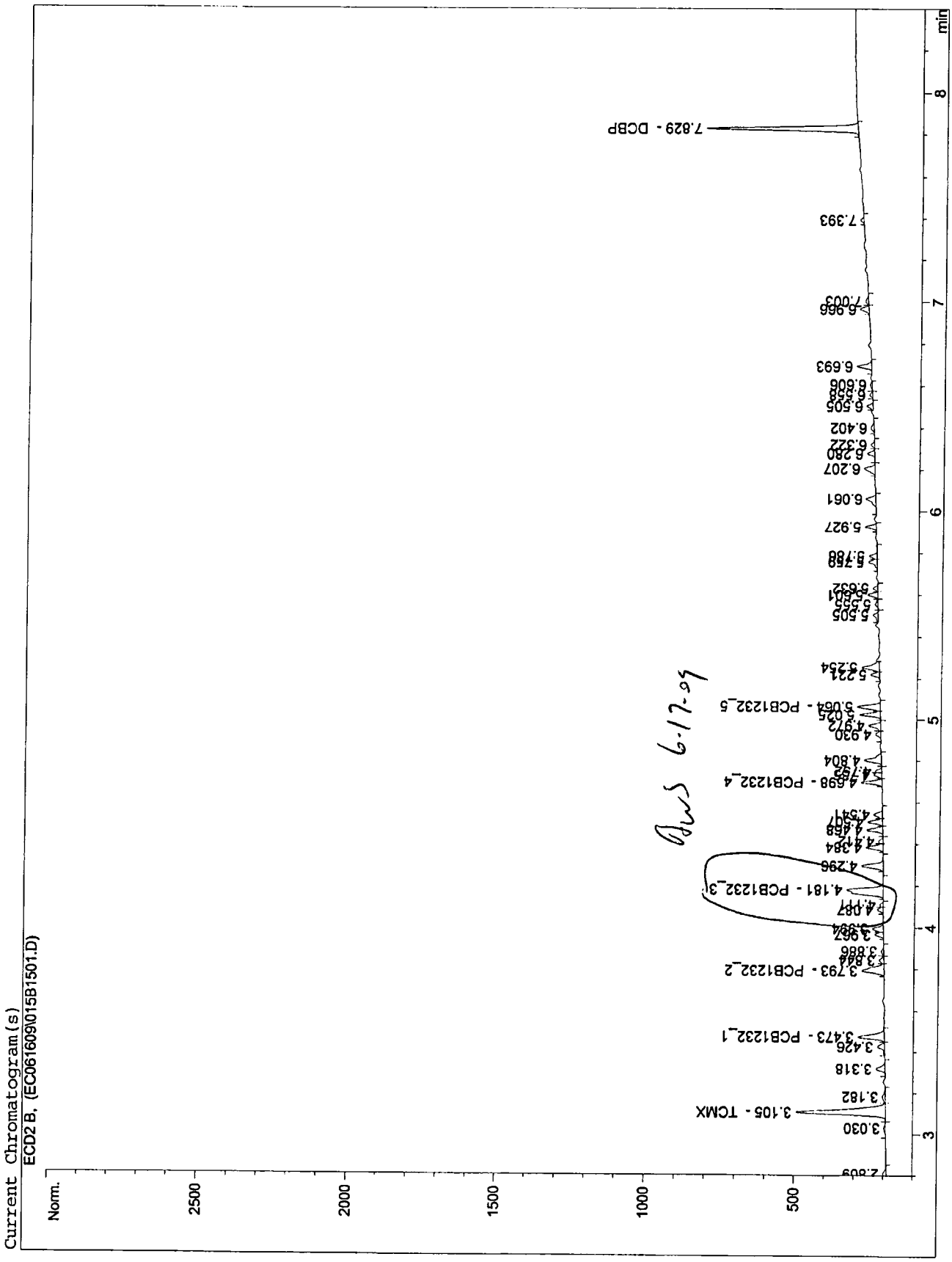
BWS
6-17-09

Totals : 420.88682

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:25:01 AM BWS

Print of window 38: Current Chromatogram(s)

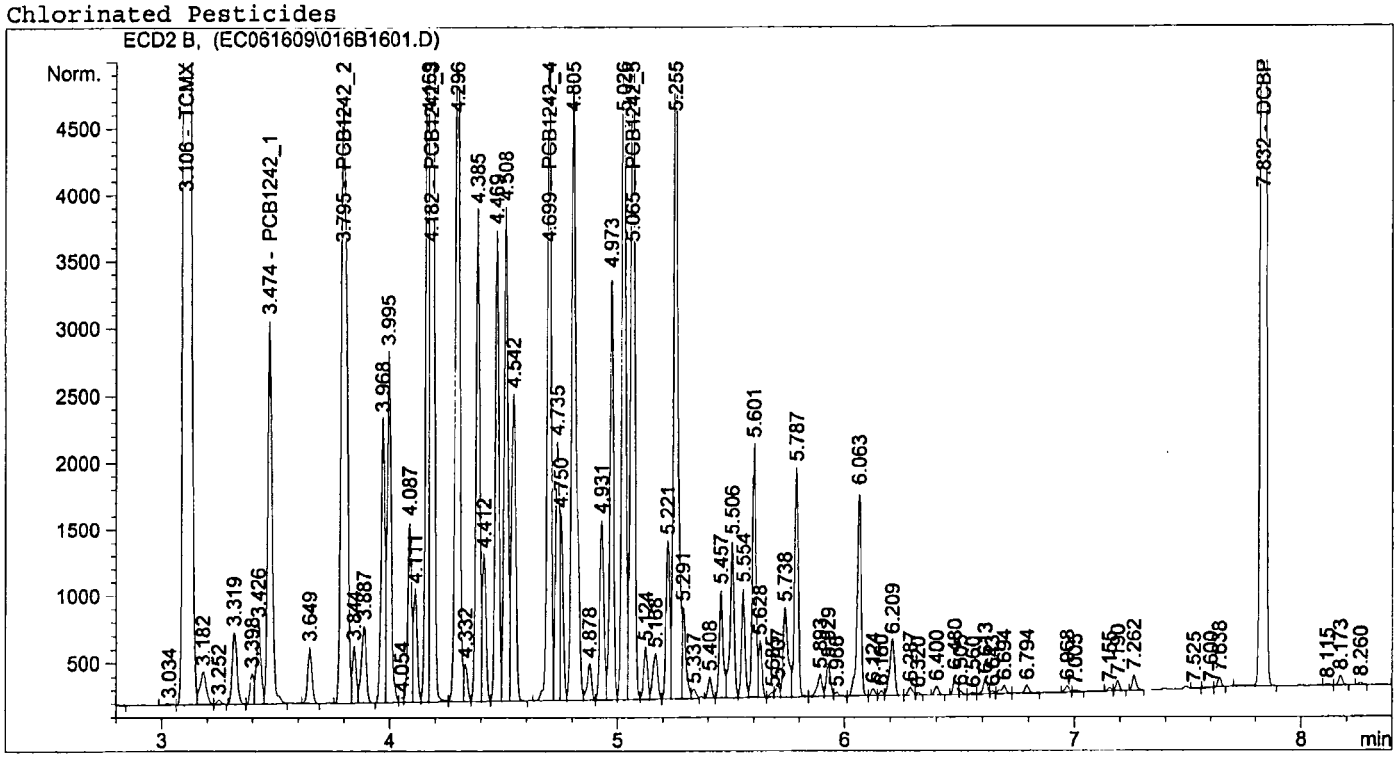


ECD2 6/17/2009 10:24:40 AM BWS

==========

Injection Date : 6/16/2009 5:53:50 PM Seq. Line : 16
Sample Name : A1242 x2000 ICAL Location : Vial 16
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2.92767e4	6.85742e-3	200.76221		TCMX
3.474	VV	3962.70728	5.03467e-1	1995.09090		PCB1242_1
3.795	VV	7946.29199	2.51169e-1	1995.86526		PCB1242_2
4.182	VV	1.24689e4	1.59461e-1	1988.29808		PCB1242_3
4.699	VV	5915.20605	3.38749e-1	2003.76734		PCB1242_4
5.065	VV	7151.57080	2.80370e-1	2005.08372		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2.90941e4	6.91610e-3	201.21788		DCBP

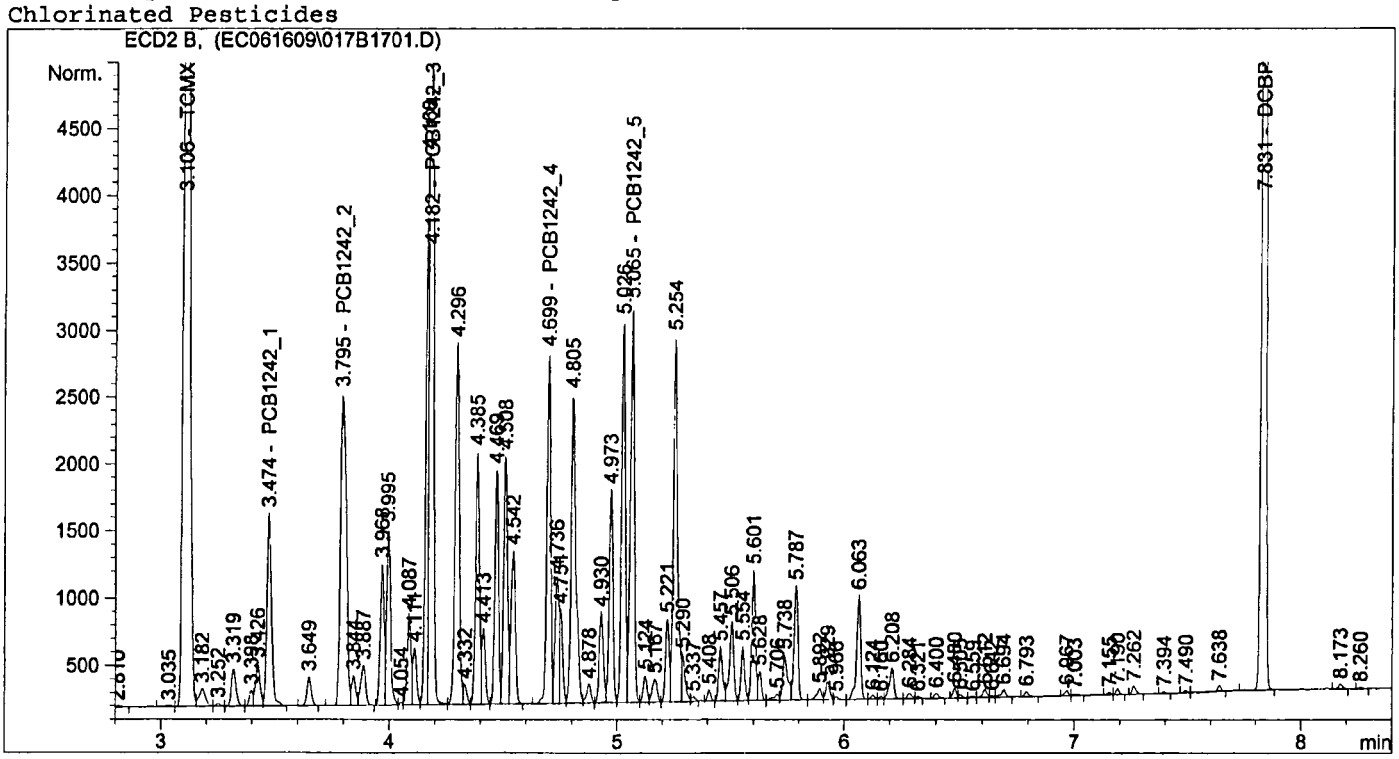
BWS
6·17·09

Totals : 1.03901e4

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:06:49 PM          Seq. Line :  17
Sample Name     : A1242 x1000 ICAL               Location : Vial 17
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                     External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.43929e4	6.97046e-3	100.32491		TCMX
3.474	VV	2033.83032	5.02091e-1	1021.16886		PCB1242_1
3.795	BV	4071.44067	2.50321e-1	1019.16534		PCB1242_2
4.182	VV	6488.69141	1.60779e-1	1043.24213		PCB1242_3
4.699	VV	2958.26978	3.40681e-1	1007.82652		PCB1242_4
5.065	VV	3563.59204	2.82173e-1	1005.54971		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	1.41855e4	7.01620e-3	99.52838		DCBP

BWS
6·17·09

Totals : 5296.80584

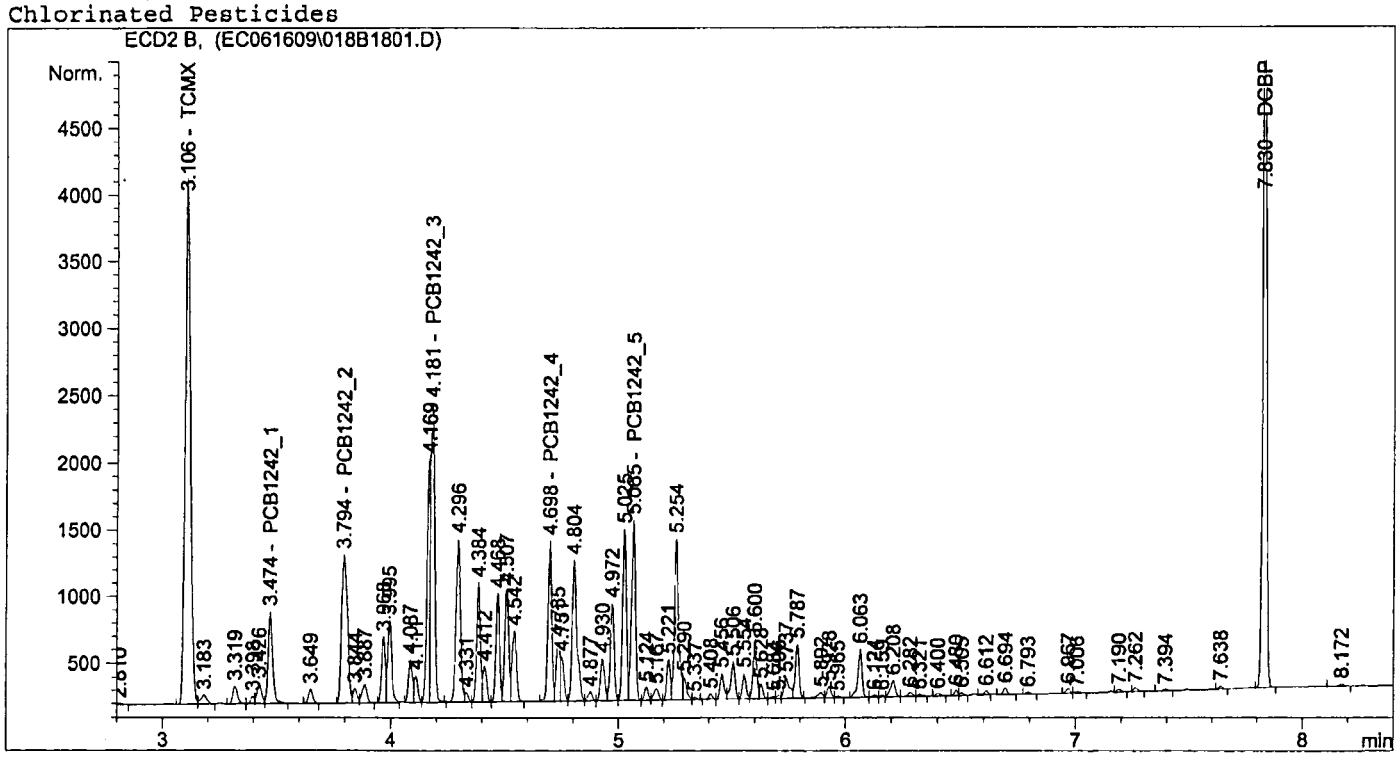
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 6:19:35 PM Seq. Line : 18
Sample Name : A1242 x500 ICAL Location : Vial 18
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6394.96143	7.24856e-3	46.35427		TCMX
3.474	VB	960.01599	4.98931e-1	478.98215		PCB1242_1
3.794	BV	1938.76562	2.48406e-1	481.60057		PCB1242_2
4.181	VB	2829.96143	1.64330e-1	465.04890		PCB1242_3
4.698	BV	1360.82581	3.45219e-1	469.78325		PCB1242_4
5.065	VV	1634.49902	2.86415e-1	468.14573		PCB1242_5
6.888		-	-	-		DBC
7.830	BB	6329.30811	7.25866e-3	45.94230		DCBP

Totals : 2455.85717

BWS
6.17.09

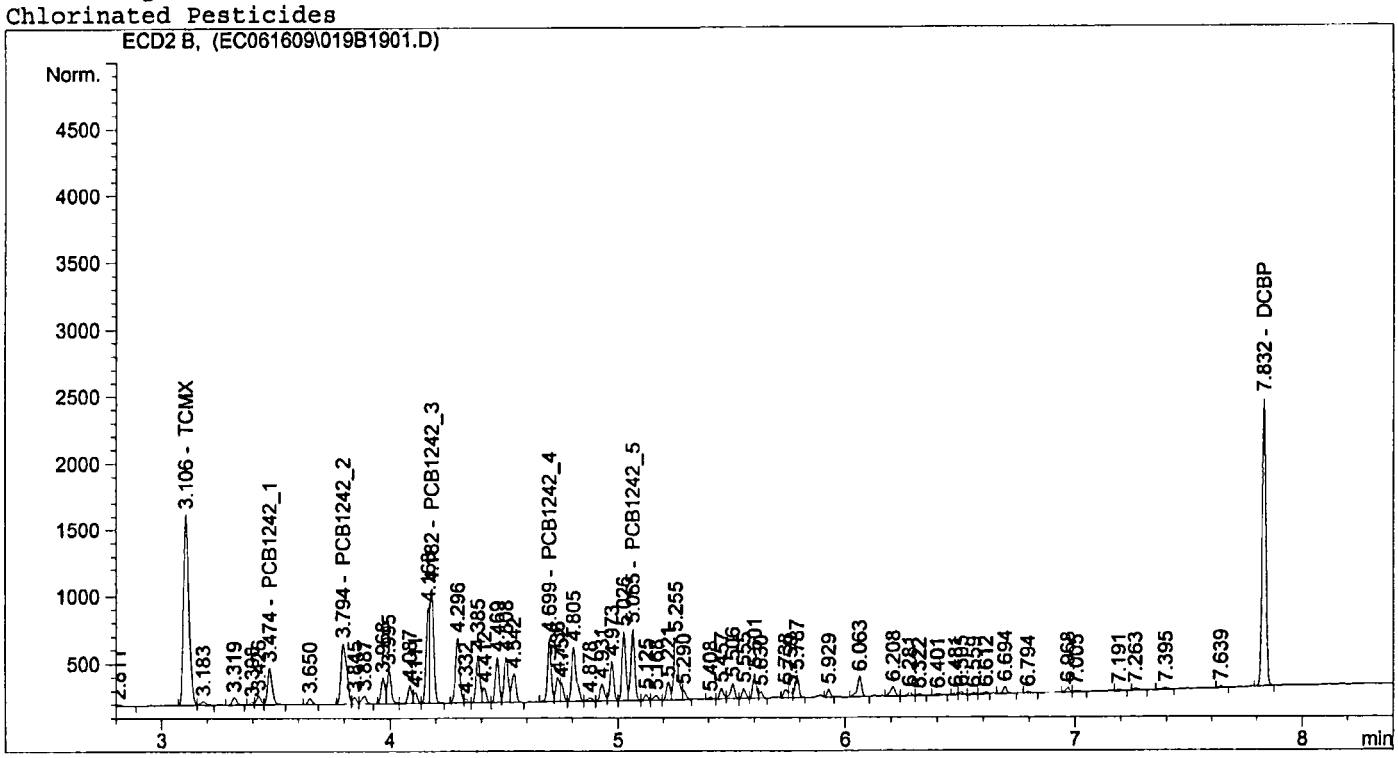
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 6:32:31 PM Seq. Line : 19
Sample Name : A1242 x200 ICAL Location : Vial 19
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	2328.82739	8.12237e-3	18.91559		TCMX
3.474	VB	395.39301	4.90385e-1	193.89462		PCB1242_1
3.794	BV	780.13617	2.42977e-1	189.55496		PCB1242_2
4.182	VB	1045.23547	1.75087e-1	183.00664		PCB1242_3
4.699	BV	536.12469	3.58147e-1	192.01145		PCB1242_4
5.065	VV	648.73181	2.98324e-1	193.53211		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2407.47168	7.97184e-3	19.19199		DCBP

BWS
6.17.09

Totals : 990.10736

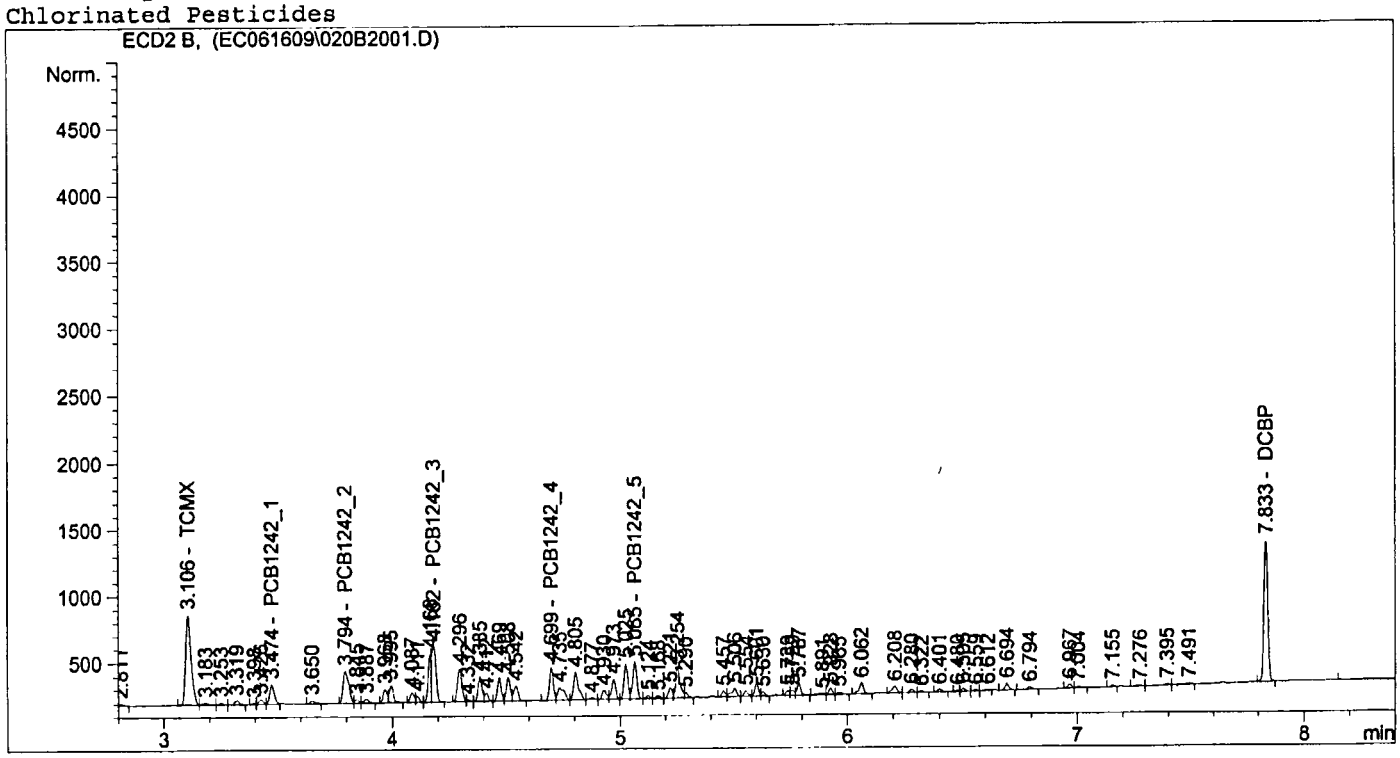
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 6:45:23 PM Seq. Line : 20
Sample Name : A1242 x100 ICAL Location : Vial 20
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1118.03540	9.61065e-3	10.74505		TCMX
3.474	VV	207.61044	4.77240e-1	99.08008		PCB1242_1
3.794	BV	414.28751	2.34954e-1	97.33869		PCB1242_2
4.182	VB	543.15674	1.90852e-1	103.66257		PCB1242_3
4.699	VV	276.82047	3.78129e-1	104.67387		PCB1242_4
5.065	VV	336.67703	3.16625e-1	106.60033		PCB1242_5
6.888		-	-	-		DBC
7.833	BB	1210.19702	9.11054e-3	11.02554		DCBP

Totals : 533.12613

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

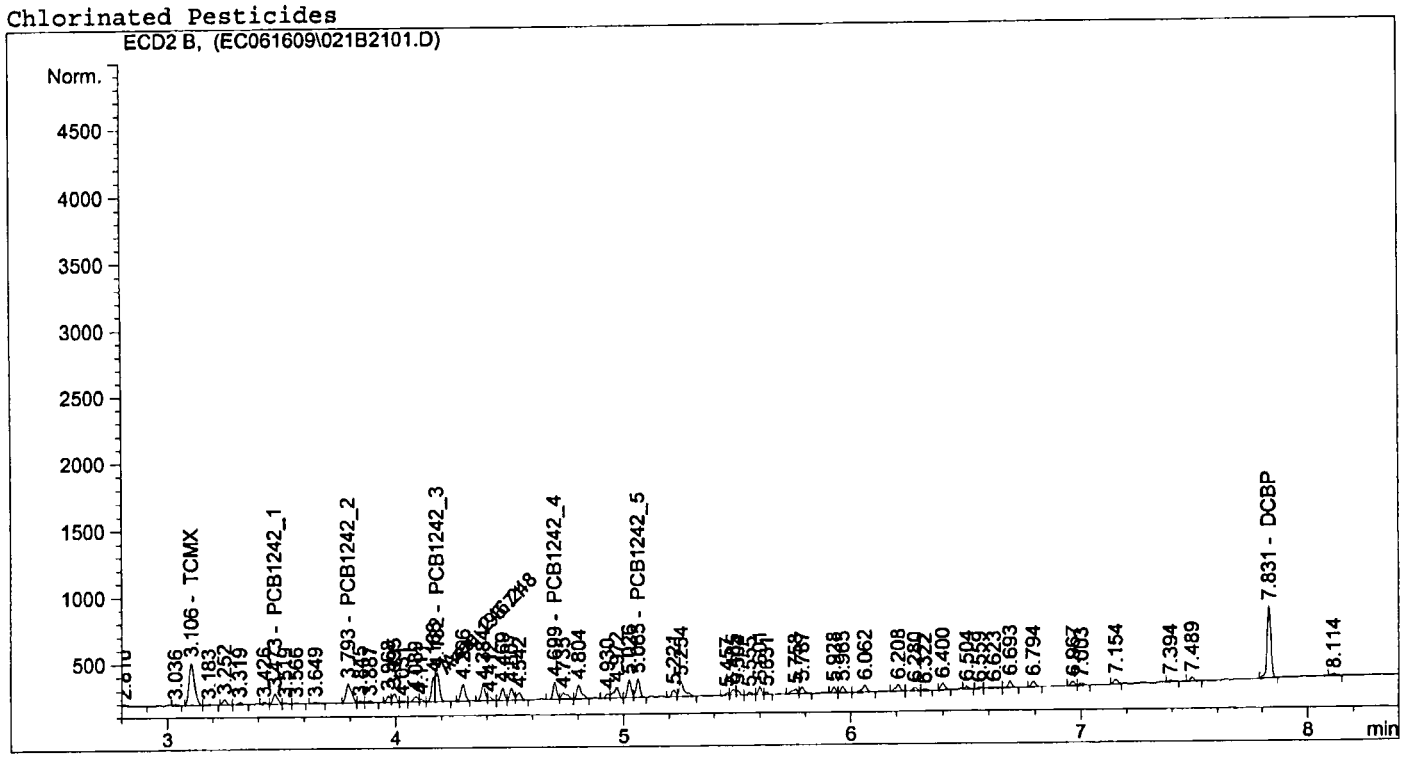
==========

Injection Date : 6/16/2009 6:58:15 PM
Sample Name : A1242 x40 ICAL
Acq. Operator : BWS

Seq. Line : 21
Location : Vial 21
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
(modified after loading)

Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

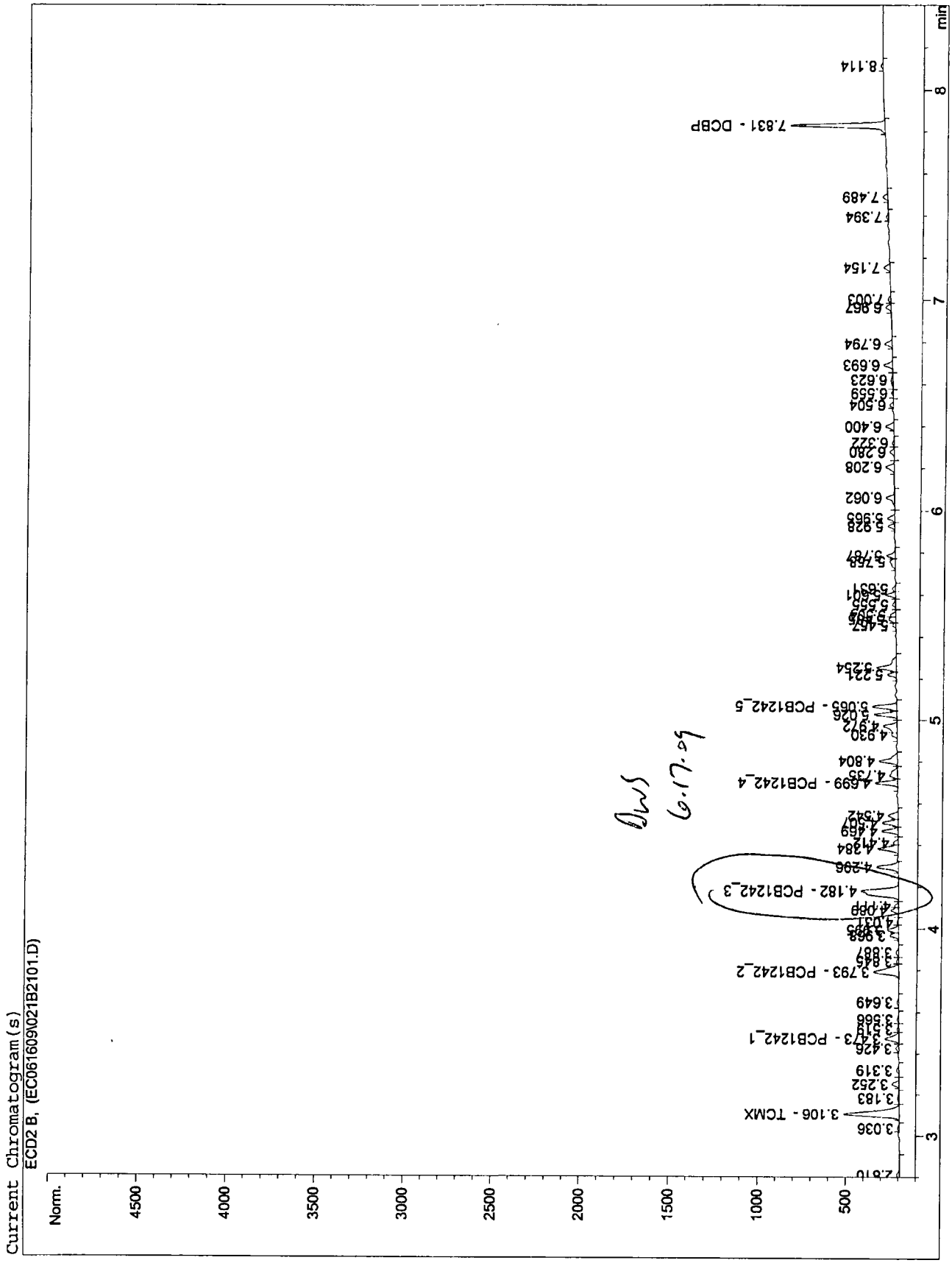
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	547.93732	1.25890e-2	6.89797		TCMX
3.473	VV	113.93815	4.54487e-1	51.78338		PCB1242_1
3.793	BV	252.17020	2.23957e-1	56.47519		PCB1242_2
4.182	FM	246.24762	2.30425e-1	56.74168		PCB1242_3
4.699	VV	149.93695	4.13091e-1	61.93758		PCB1242_4
5.065	VB	173.30504	3.52491e-1	61.08840		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	633.78406	1.11929e-2	7.09391		DCBP

Totals : 302.01812

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Print of window 38: Current Chromatogram(s)



BWS 6.17.09

ECD2 6/17/2009 9:14:19 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\022B2201.D Sample Name: A1248 x2000 ICAL

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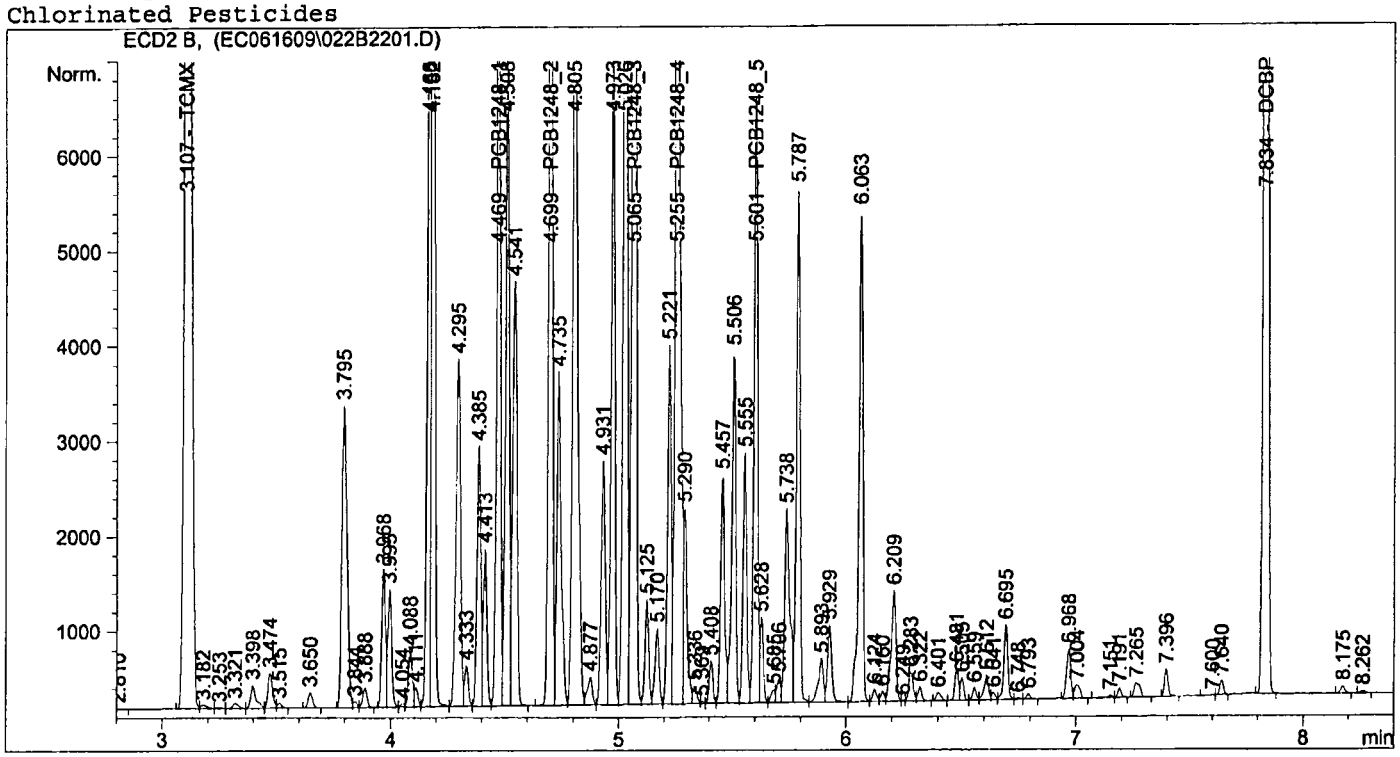
Injection Date : 6/16/2009 7:11:15 PM Seq. Line : 22
Sample Name : A1248 x2000 ICAL Location : Vial 22
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	3.08251e4	6.58618e-3	203.01976		TCMX
4.469	VV	8806.67773	2.29913e-1	2024.77376		PCB1248_1
4.699	VV	1.18361e4	1.71744e-1	2032.77617		PCB1248_2
5.065	VV	1.71860e4	1.17833e-1	2025.08547		PCB1248_3
5.255	VV	1.71760e4	1.18112e-1	2028.69103		PCB1248_4
5.601	VV	7110.13770	2.85328e-1	2028.71889		PCB1248_5
6.887		-	-	-		DBC
7.834	VP	3.05506e4	6.65094e-3	203.19030		DCBP

Totals : 1.05463e4

BWS
6.17.09

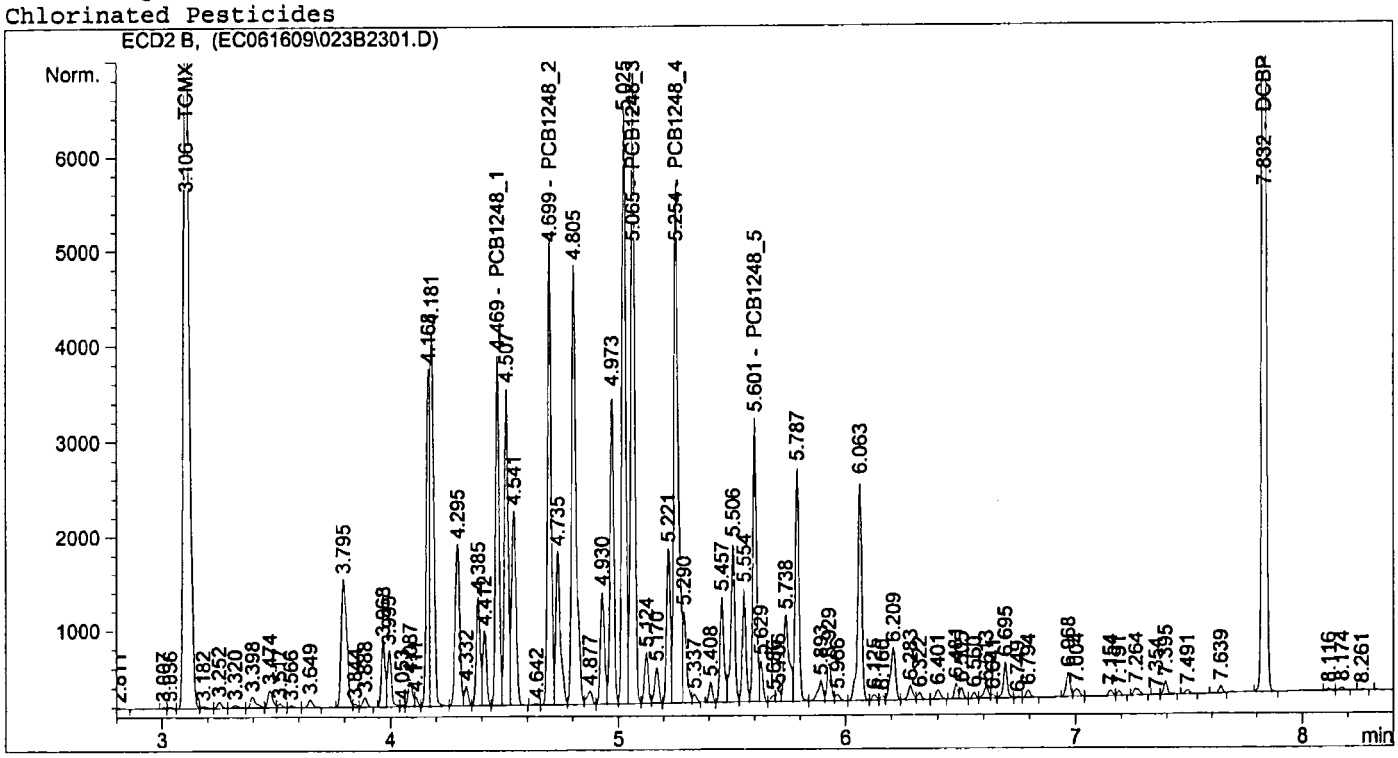
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 7:24:05 PM Seq. Line : 23
Sample Name : A1248 x1000 ICAL Location : Vial 23
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.40913e4	6.80030e-3	95.82514		TCMX
4.469	VV	4111.20459	2.34822e-1	965.40007		PCB1248_1
4.699	VV	5394.39160	1.76085e-1	949.86968		PCB1248_2
5.065	VV	7994.77148	1.20778e-1	965.59574		PCB1248_3
5.254	VV	7896.04150	1.21496e-1	959.33850		PCB1248_4
5.601	VV	3272.71558	2.93019e-1	958.96702		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	1.39587e4	6.84358e-3	95.52761		DCBP

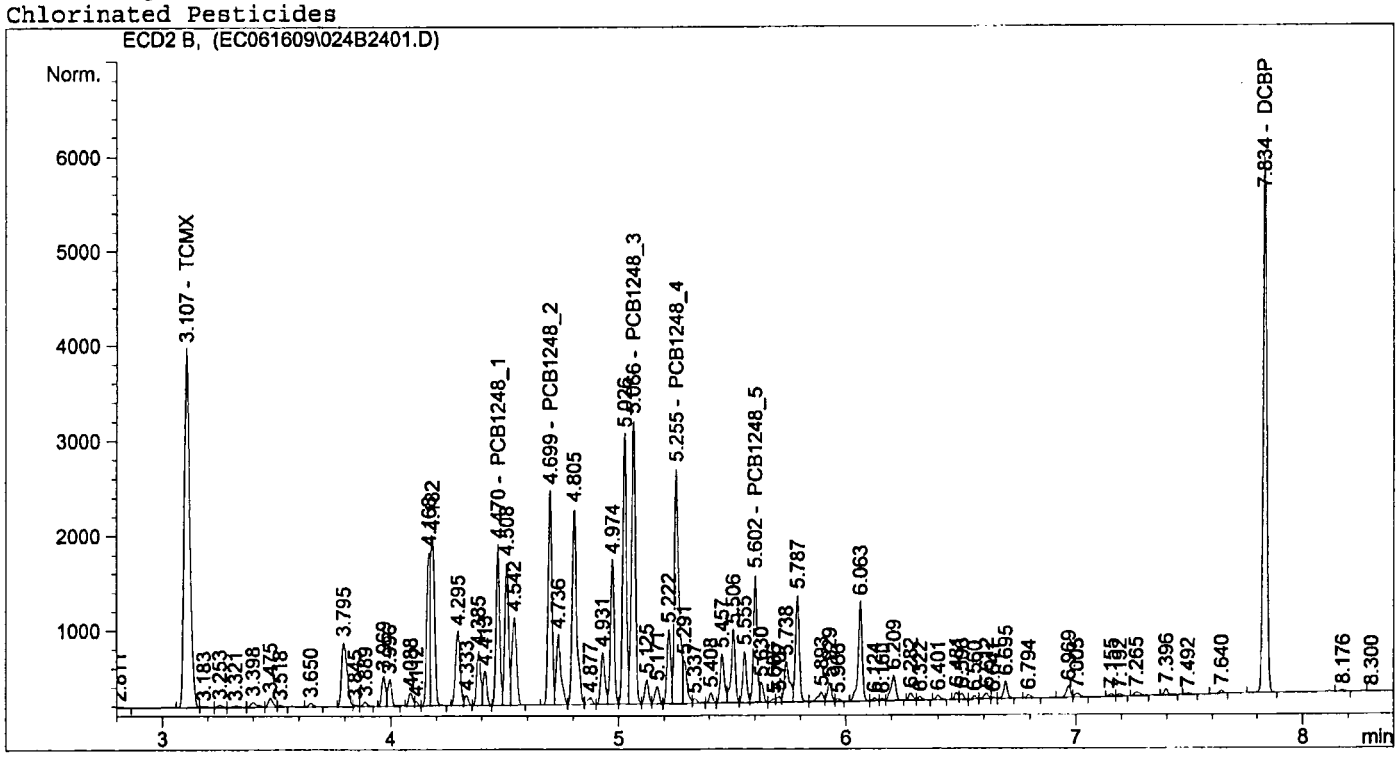
Totals : 4990.52377

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 7:37:02 PM          Seq. Line :  24
Sample Name     : A1248 x500 ICAL                Location : Vial 24
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	6300.57422	7.28801e-3	45.91865		TCMX
4.470	VV	1901.68494	2.45518e-1	466.89717		PCB1248_1
4.699	VV	2512.91968	1.85230e-1	465.46735		PCB1248_2
5.066	VV	3658.34595	1.27306e-1	465.72899		PCB1248_3
5.255	VV	3585.53442	1.29026e-1	462.62656		PCB1248_4
5.602	VV	1494.21899	3.09980e-1	463.17845		PCB1248_5
6.887		-	-	-		DBC
7.834	BB	6299.68750	7.27482e-3	45.82909		DCBP

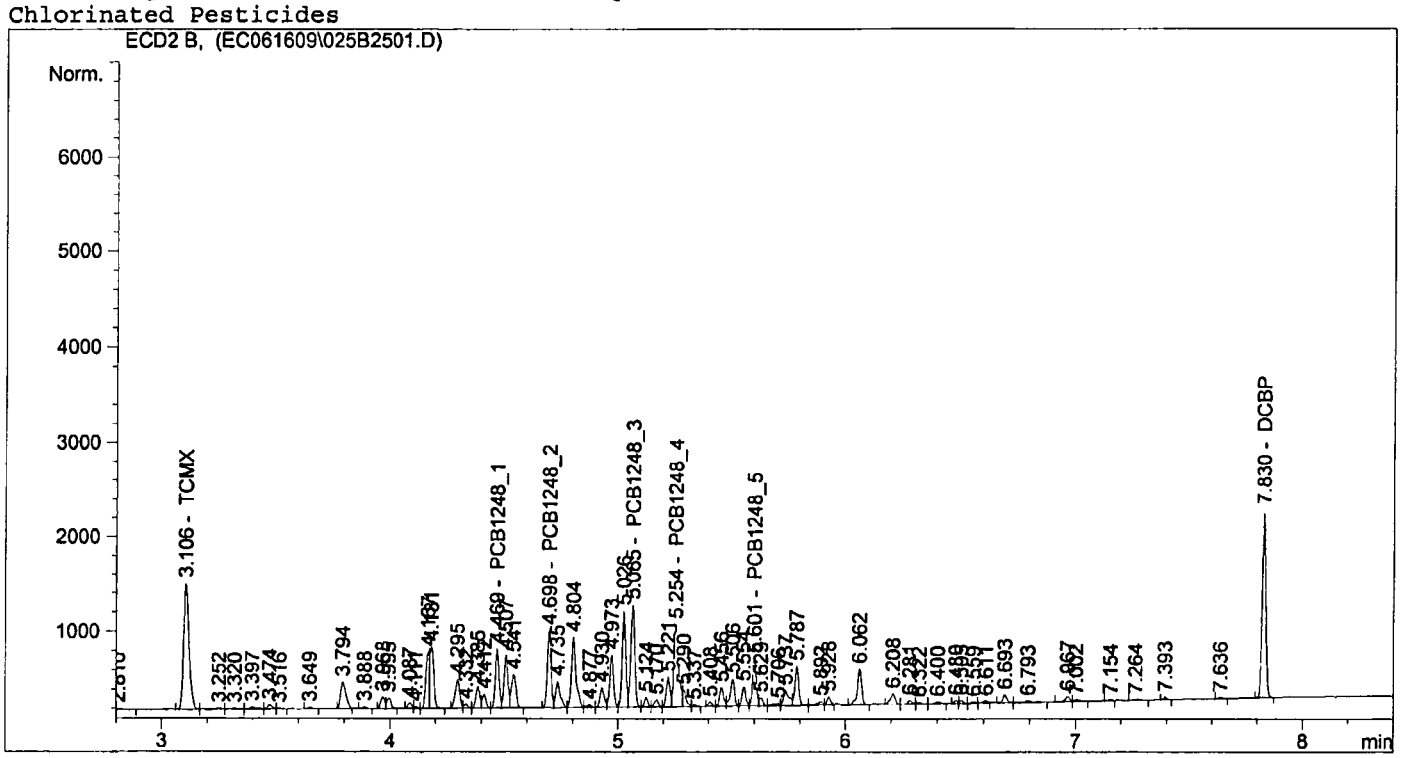
Totals : 2415.64627

BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 7:49:47 PM          Seq. Line :  25
Sample Name     : A1248 x200 ICAL                Location : Vial 25
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VB	2148.92798	8.99228e-3	19.32375		TCMX
4.469	VV	701.99823	2.79529e-1	196.22870		PCB1248_1
4.698	PV	905.80774	2.15605e-1	195.29683		PCB1248_2
5.065	VV	1303.56958	1.49045e-1	194.29013		PCB1248_3
5.254	VV	1268.16577	1.54230e-1	195.58961		PCB1248_4
5.601	VV	535.51013	3.65858e-1	195.92075		PCB1248_5
6.887		-	-	-		DBC
7.830	BB	2213.60352	8.72560e-3	19.31501		DCBP

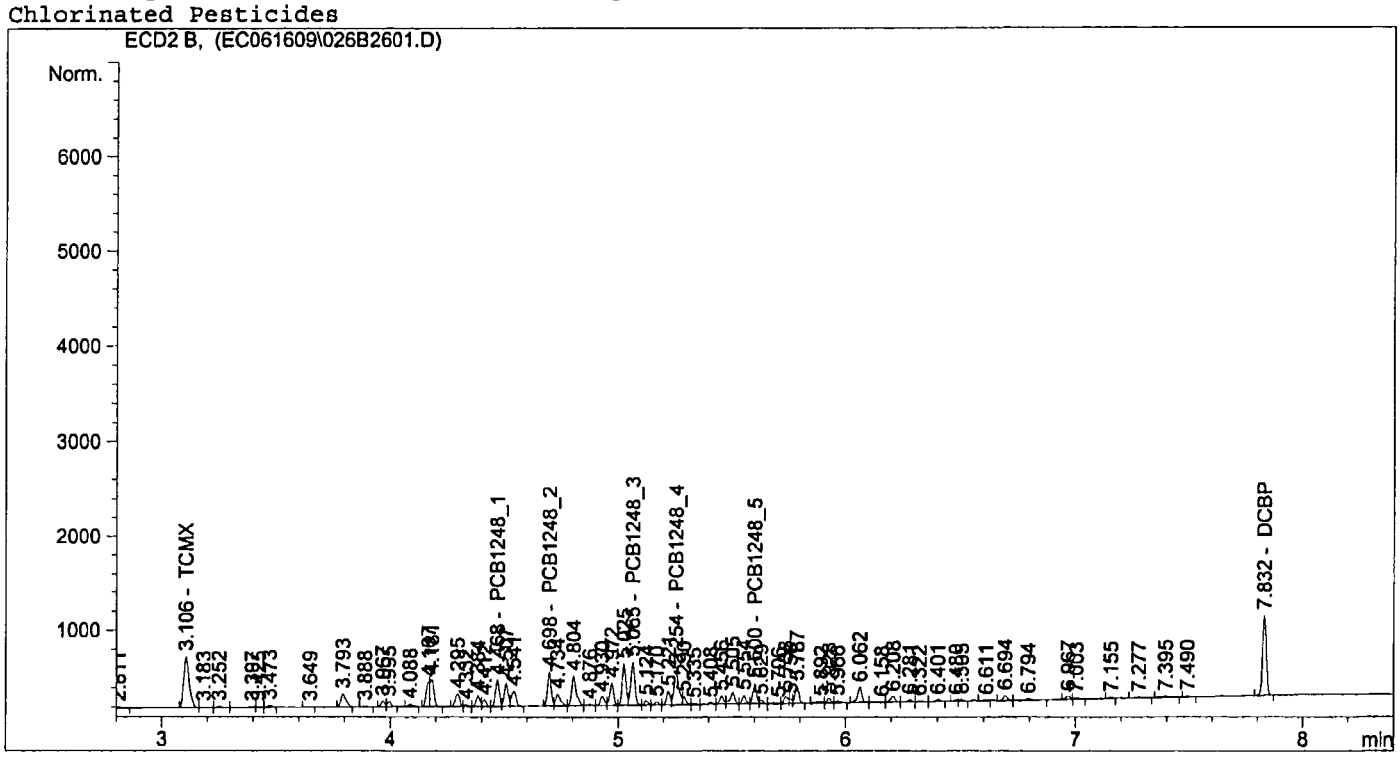
Totals : 1015.96479

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 8:02:36 PM          Seq. Line :  26
Sample Name     : A1248 x100 ICAL                Location : Vial 26
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	887.92737	1.26654e-2	11.24595		TCMX
4.468	VV	311.68481	3.47042e-1	108.16777		PCB1248_1
4.698	PV	390.62155	2.78247e-1	108.68922		PCB1248_2
5.065	VV	563.48987	1.93402e-1	108.97995		PCB1248_3
5.254	VV	539.59485	2.06885e-1	111.63432		PCB1248_4
5.600	VV	232.86835	4.79042e-1	111.55380		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	954.55786	1.16758e-2	11.14522		DCBP

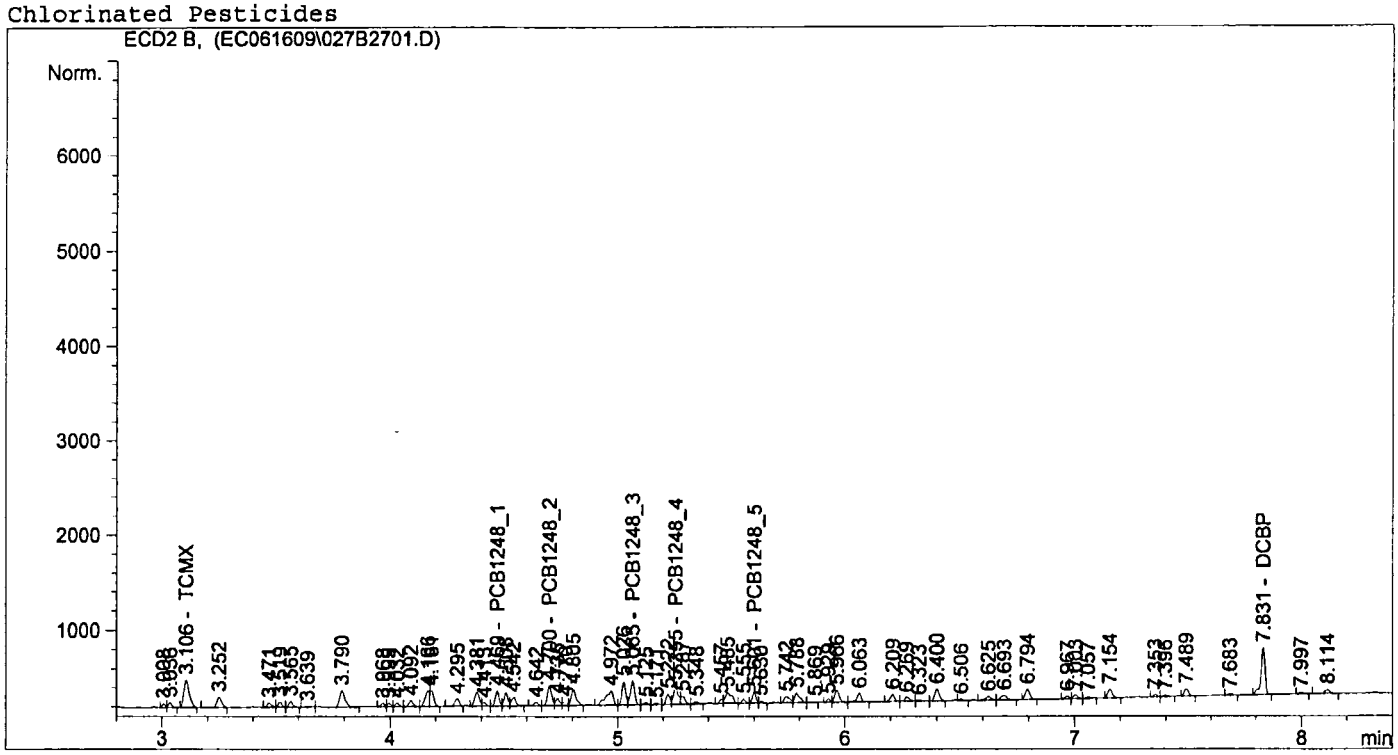
Totals : 571.41623

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 8:15:37 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BP	485.29697	1.78587e-2	8.66675		TCMX
4.469	VV	180.33220	4.35488e-1	78.53252		PCB1248_1
4.700	VV	266.96121	3.29264e-1	87.90076		PCB1248_2
5.065	VV	314.85751	2.55099e-1	80.31970		PCB1248_3
5.255	VV	283.46695	2.89699e-1	82.11997		PCB1248_4
5.601	VV	125.63702	6.49976e-1	81.66109		PCB1248_5
6.887		-	-	-		DBC
7.831	BB	622.84137	1.44383e-2	8.99276		DCBP

BWS
6-17-09

Totals : 428.19356

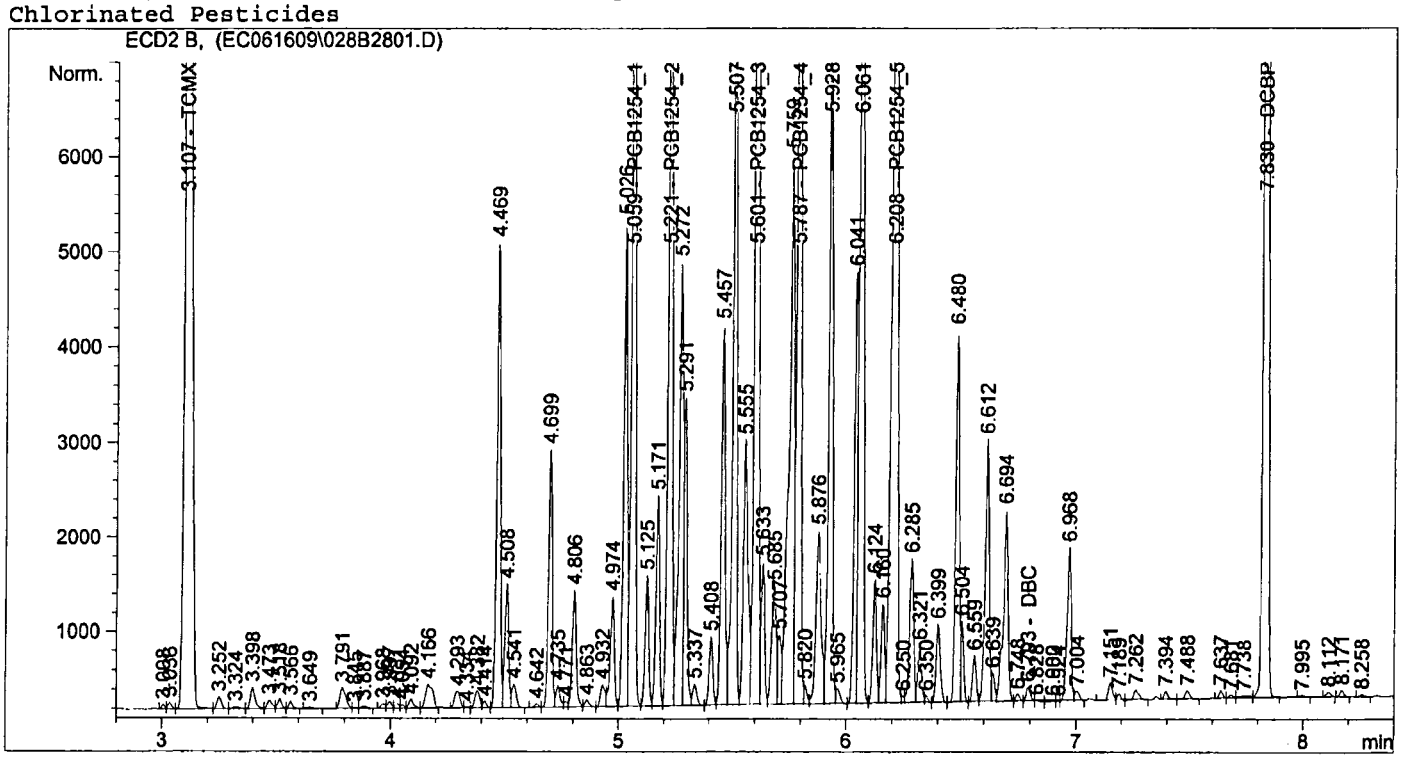
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 8:28:31 PM Seq. Line : 28
Sample Name : A1254 x2000 ICAL Location : Vial 28
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VV	2.82617e4	7.07513e-3	199.95492		TCMX
5.059	VV	1.06647e4	1.87523e-1	1999.87699		PCB1254_1
5.221	VV	1.08727e4	1.79699e-1	1953.80746		PCB1254_2
5.601	VV	1.80251e4	1.10962e-1	2000.09376		PCB1254_3
5.787	VV	1.44171e4	1.38665e-1	1999.14940		PCB1254_4
6.208	VV	1.75004e4	1.12740e-1	1973.00287		PCB1254_5
6.793	VV	171.09821	0.00000	0.00000		DBC
7.830	VB	2.85947e4	7.03720e-3	201.22627		DCBP

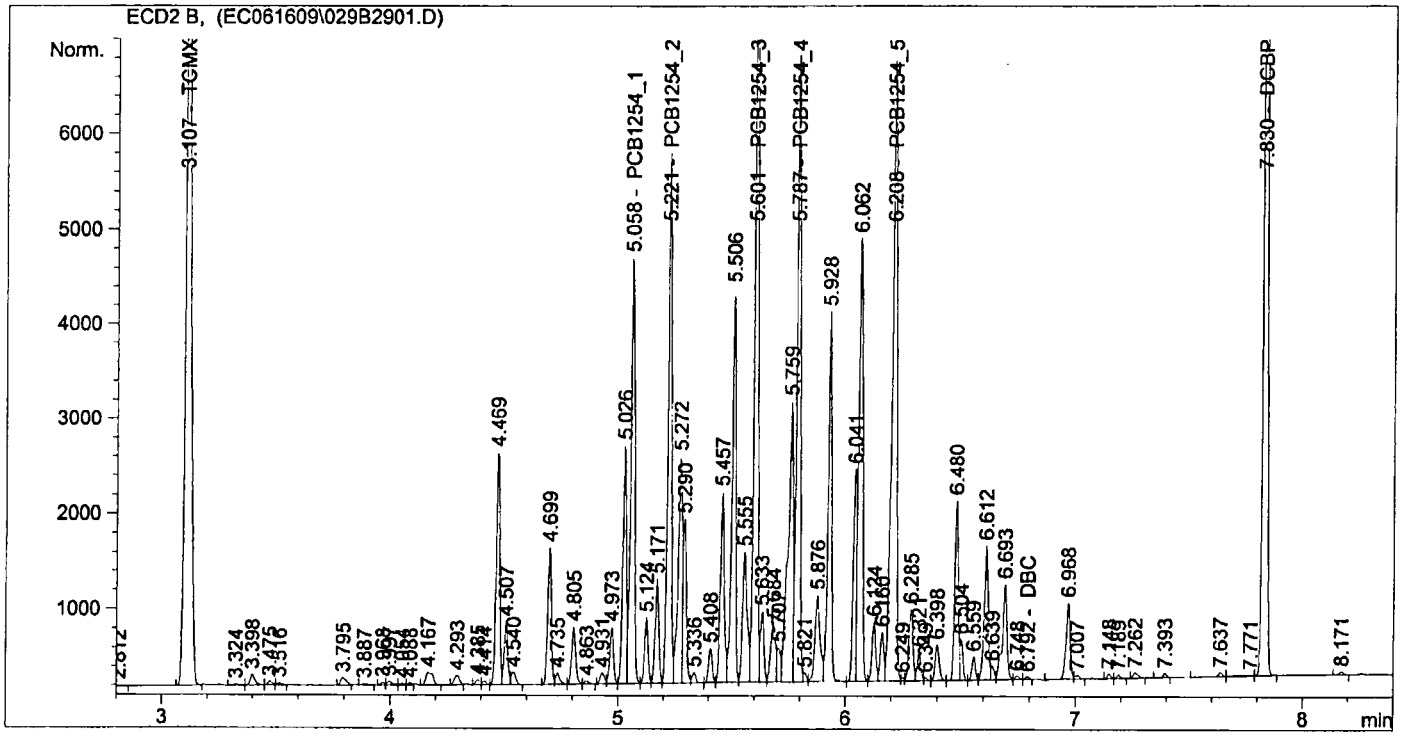
Totals : 1.03271e4

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 8:41:32 PM          Seq. Line :  29
Sample Name     : A1254 x1000 ICAL               Location : Vial 29
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VB	1.40482e4	7.16859e-3	100.70584		TCMX
5.058	VV	5308.97803	1.88691e-1	1001.75400		PCB1254_1
5.221	VV	6097.46680	1.78618e-1	1089.11633		PCB1254_2
5.601	VV	8935.36523	1.12154e-1	1002.13848		PCB1254_3
5.787	VV	7195.55811	1.39696e-1	1005.19148		PCB1254_4
6.208	VV	9338.53711	1.12975e-1	1055.02259		PCB1254_5
6.792	VV	29.78347	0.00000	0.00000		DBC
7.830	VB	1.37947e4	7.12150e-3	98.23857		DCBP

Totals : 5352.16729

BWS
6.17.09

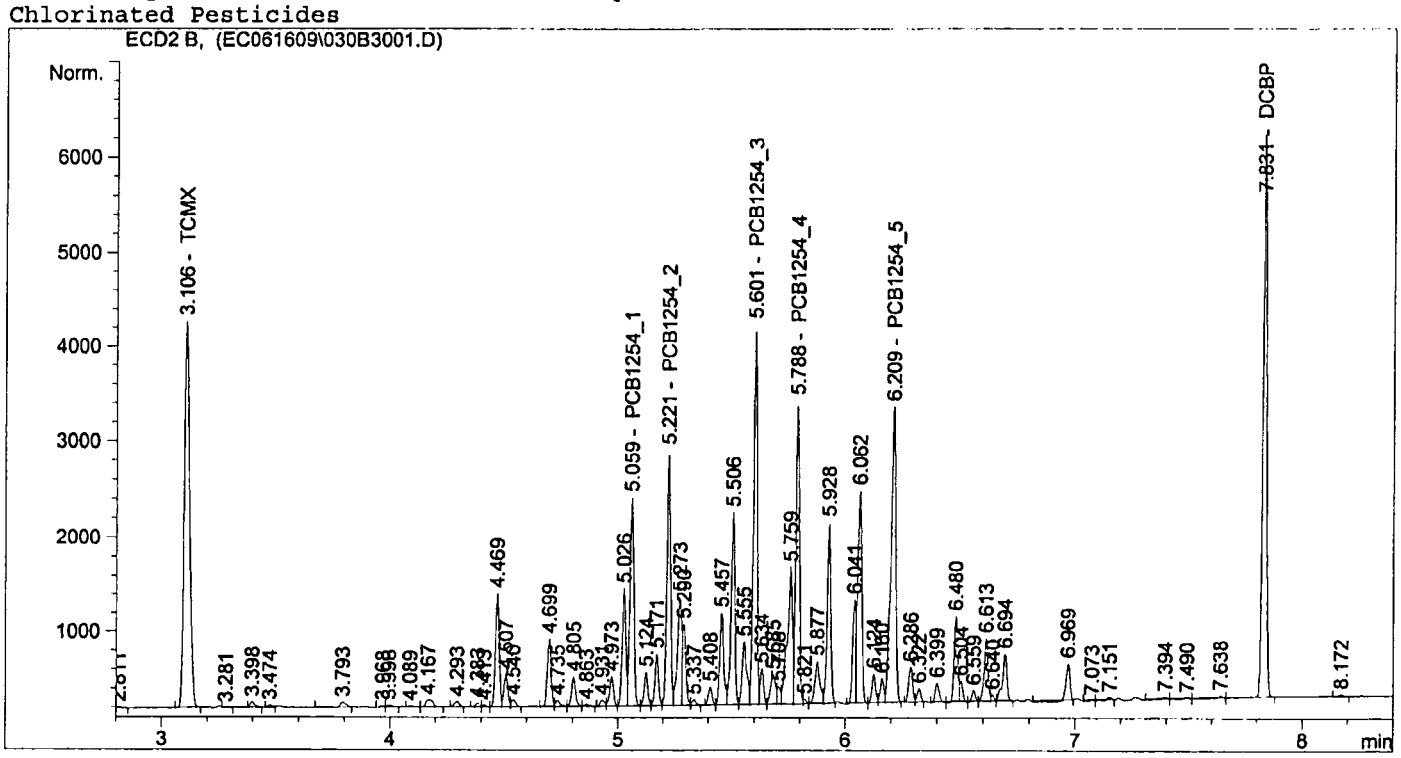
```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

==========

Injection Date : 6/16/2009 8:54:25 PM Seq. Line : 30
Sample Name : A1254 x500 ICAL Location : Vial 30
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	6711.31299	7.37175e-3	49.47411		TCMX
5.059	VV	2630.86133	1.91057e-1	502.64386		PCB1254_1
5.221	VV	2990.20801	1.76060e-1	526.45598		PCB1254_2
5.601	VV	4376.57861	1.14617e-1	501.62995		PCB1254_3
5.788	VV	3507.07764	1.41860e-1	497.51547		PCB1254_4
6.209	VV	4512.06494	1.13514e-1	512.18204		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	6690.64648	7.29443e-3	48.80442		DCBP

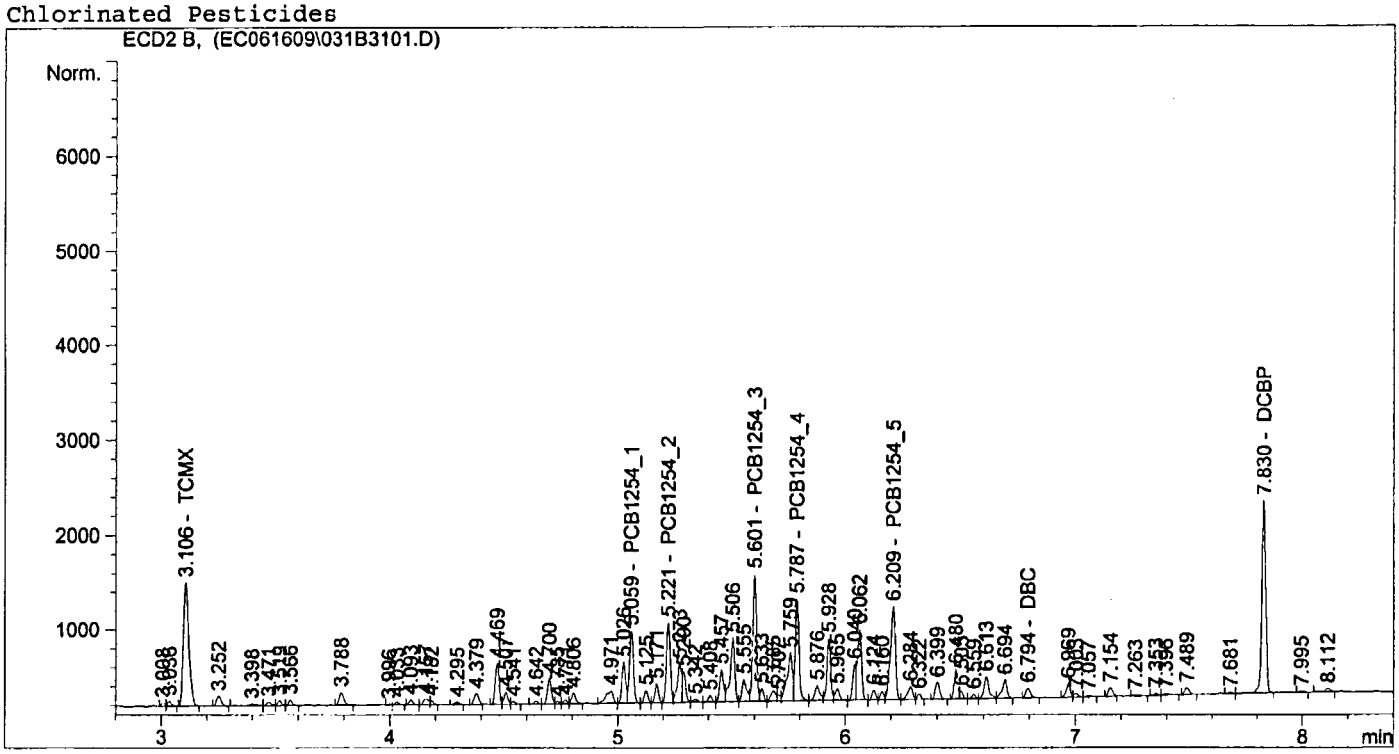
BWS
6.17.09

Totals : 2638.70584

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:07:20 PM          Seq. Line :  31
Sample Name     : A1254 x200 ICAL                Location : Vial 31
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	2193.94385	8.17269e-3	17.93042		TCMX
5.059	VV	926.45355	1.99686e-1	185.00005		PCB1254_1
5.221	VV	987.88354	1.65886e-1	163.87639		PCB1254_2
5.601	VV	1473.57690	1.24126e-1	182.90980		PCB1254_3
5.787	VV	1242.70264	1.49554e-1	185.85086		PCB1254_4
6.209	VV	1477.55640	1.15655e-1	170.88632		PCB1254_5
6.794	VB	145.04182	0.00000	0.00000		DBC
7.830	VB	2369.89722	7.90665e-3	18.73794		DCBP
Totals :				925.19179		

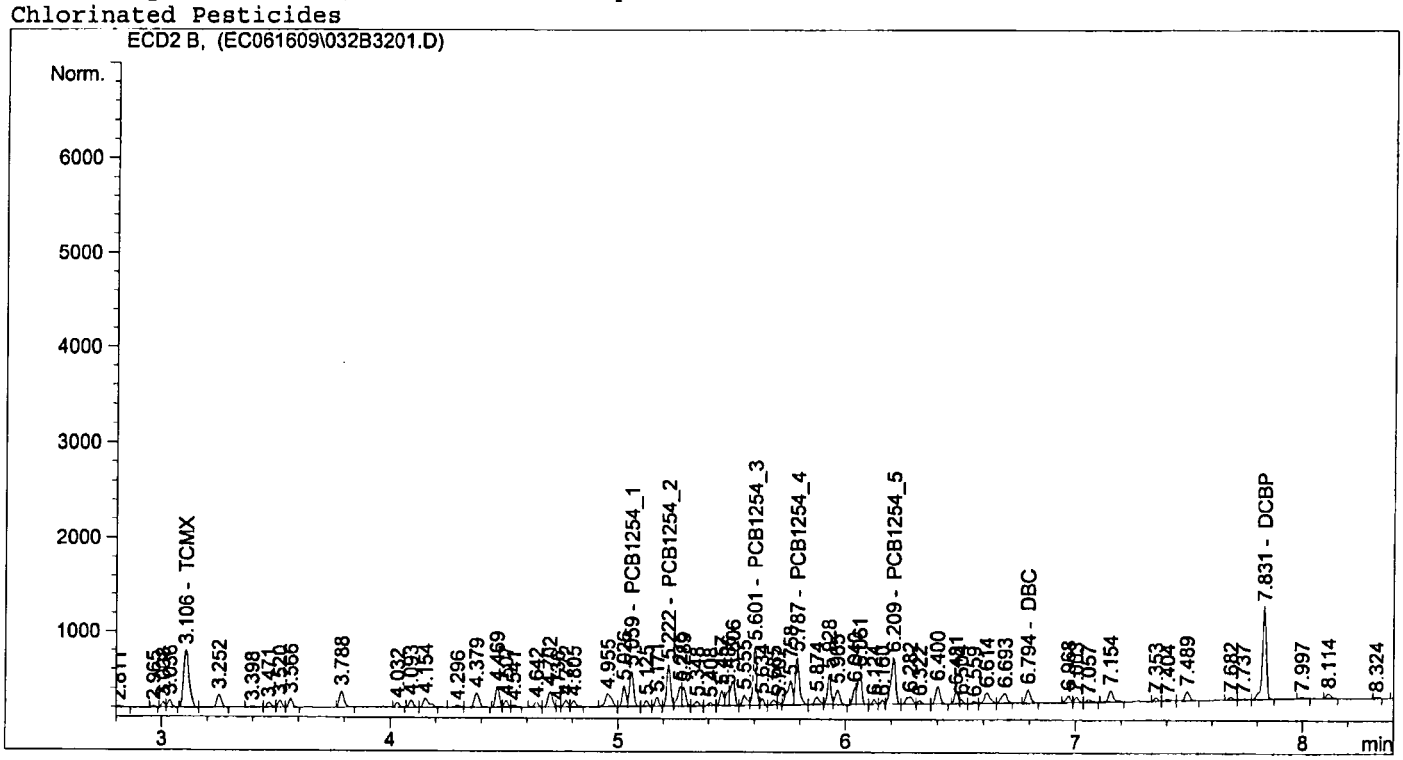
BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

==========

Injection Date : 6/16/2009 9:20:15 PM Seq. Line : 32
Sample Name : A1254 x100 ICAL Location : Vial 32
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	1019.56036	9.54332e-3	9.72999		TCMX
5.059	VV	447.20605	2.13961e-1	95.68457		PCB1254_1
5.222	VV	505.87912	1.51410e-1	76.59535		PCB1254_2
5.601	VV	680.14520	1.40851e-1	95.79905		PCB1254_3
5.787	VV	629.87061	1.61147e-1	101.50173		PCB1254_4
6.209	VV	720.91449	1.18996e-1	85.78568		PCB1254_5
6.794	VB	200.11134	0.00000	0.00000		DBC
7.831	VB	1208.52026	8.81768e-3	10.65635		DCBP

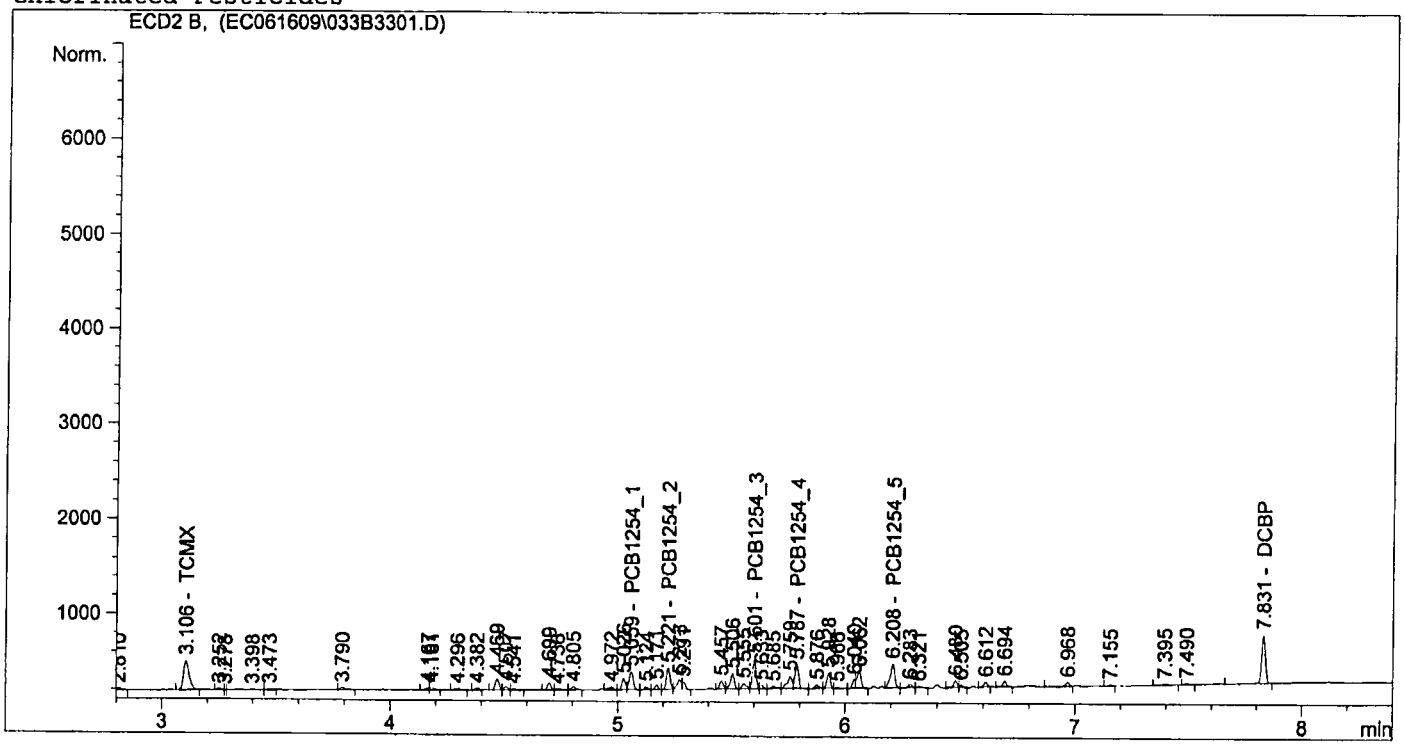
Totals : 475.75272

BWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:33:02 PM          Seq. Line :  33
Sample Name     : A1254 x40 ICAL                 Location : Vial 33
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	514.70605	1.20549e-2	6.20472		TCMX
5.059	VV	229.11891	2.40227e-1	55.04052		PCB1254_1
5.221	VV	249.37901	1.20894e-1	30.14848		PCB1254_2
5.601	VV	330.65857	1.73681e-1	57.42896		PCB1254_3
5.787	VV	261.43622	1.94277e-1	50.79106		PCB1254_4
6.208	VV	341.57239	1.26241e-1	43.12050		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	587.72308	1.07814e-2	6.33645		DCBP

BWS
6-17-09

Totals : 249.07070

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

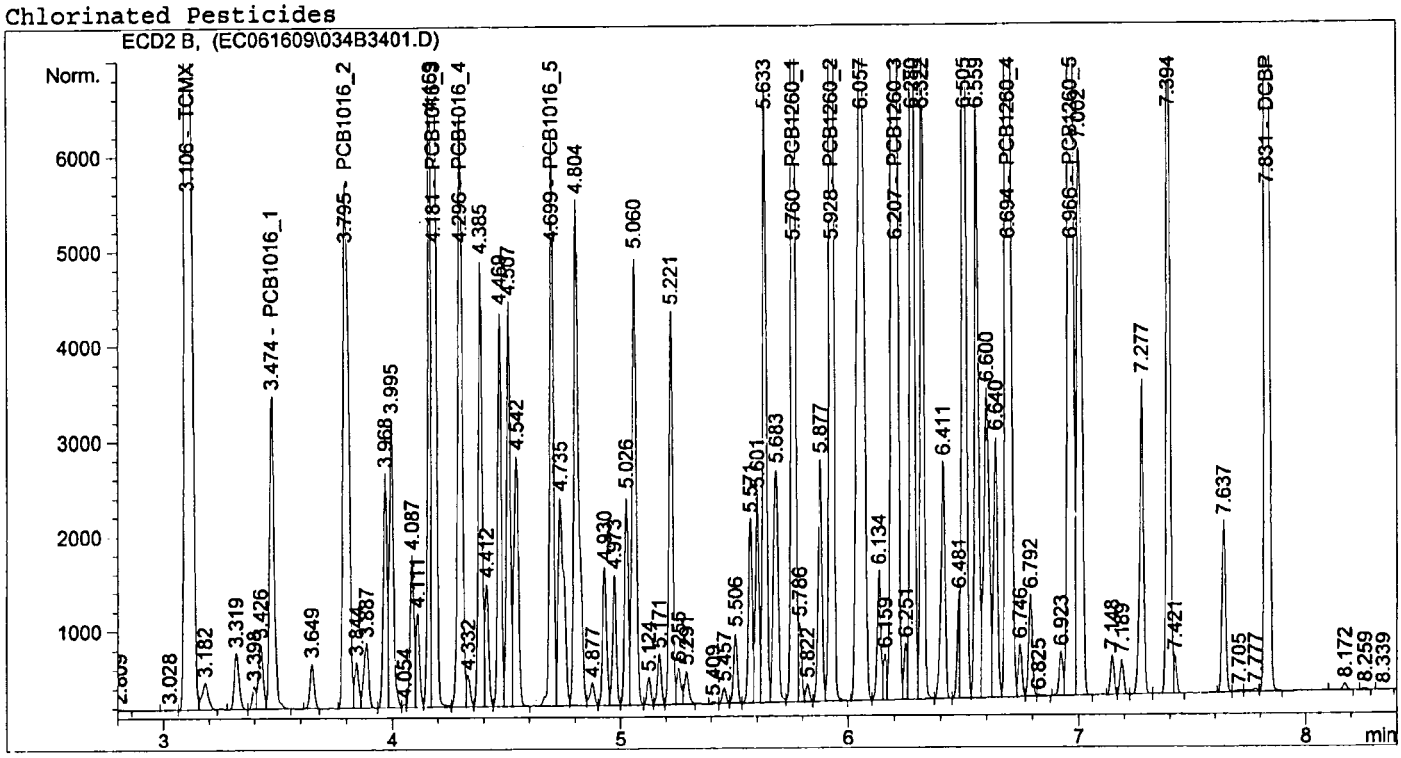
Data File C:\HPCHEM\1\DATA\EC061609\034B3401.D Sample Name: PCB x2000 ICAL

==========

Injection Date : 6/16/2009 9:46:01 PM Seq. Line : 34
Sample Name : PCB x2000 ICAL Location : Vial 34
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/17/2009 10:06:29 AM by BWS
(modified after loading)

Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:06:27 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2.94592e4	6.92505e-3	204.00623		TCMX
3.474	VB	4519.23340	4.43160e-1	2002.74428		PCB1016_1
3.795	PV	9469.86719	2.11388e-1	2001.81475		PCB1016_2
4.181	VV	1.46701e4	1.38396e-1	2030.28167		PCB1016_3
4.296	VV	8460.35547	2.38305e-1	2016.14481		PCB1016_4
4.699	VV	6825.10742	2.95084e-1	2013.97708		PCB1016_5
5.760	VV	1.36293e4	1.47790e-1	2014.27611		PCB1260_1
5.928	VB	1.90835e4	1.07837e-1	2057.90603		PCB1260_2
6.207	VV	2.42130e4	8.41678e-2	2037.95609		PCB1260_3
6.694	VV	3.69854e4	5.59014e-2	2067.53221		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	2.38040e4	8.64581e-2	2058.04726		PCB1260_5
7.831	VB	2.91817e4	6.17971e-3	180.33454		DCBP

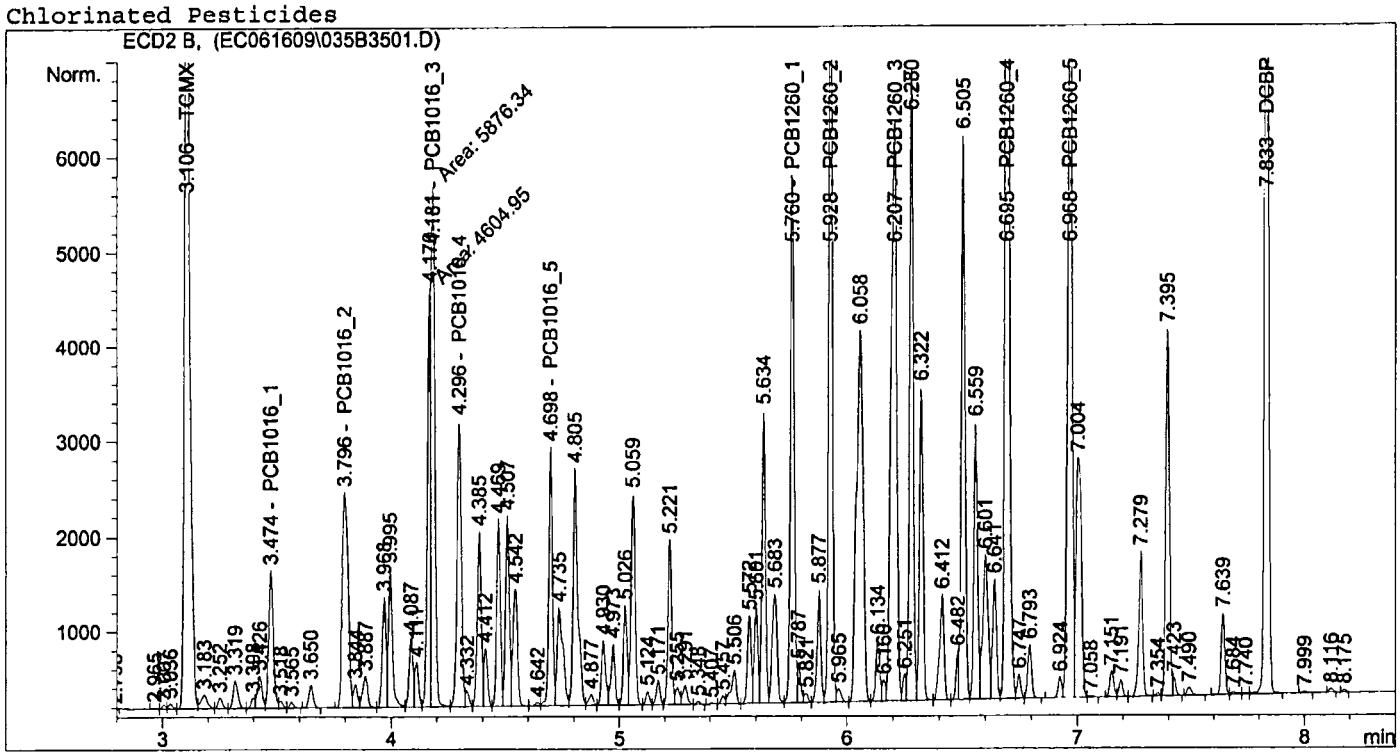
BWS
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\035B3501.D

```
==================================================================
Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  35
Sample Name     : PCB x1000 ICAL                 Location : Vial 35
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl

Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:07:22 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:07:17 AM
Multiplier : 1.0000
Dilution : 1.0000

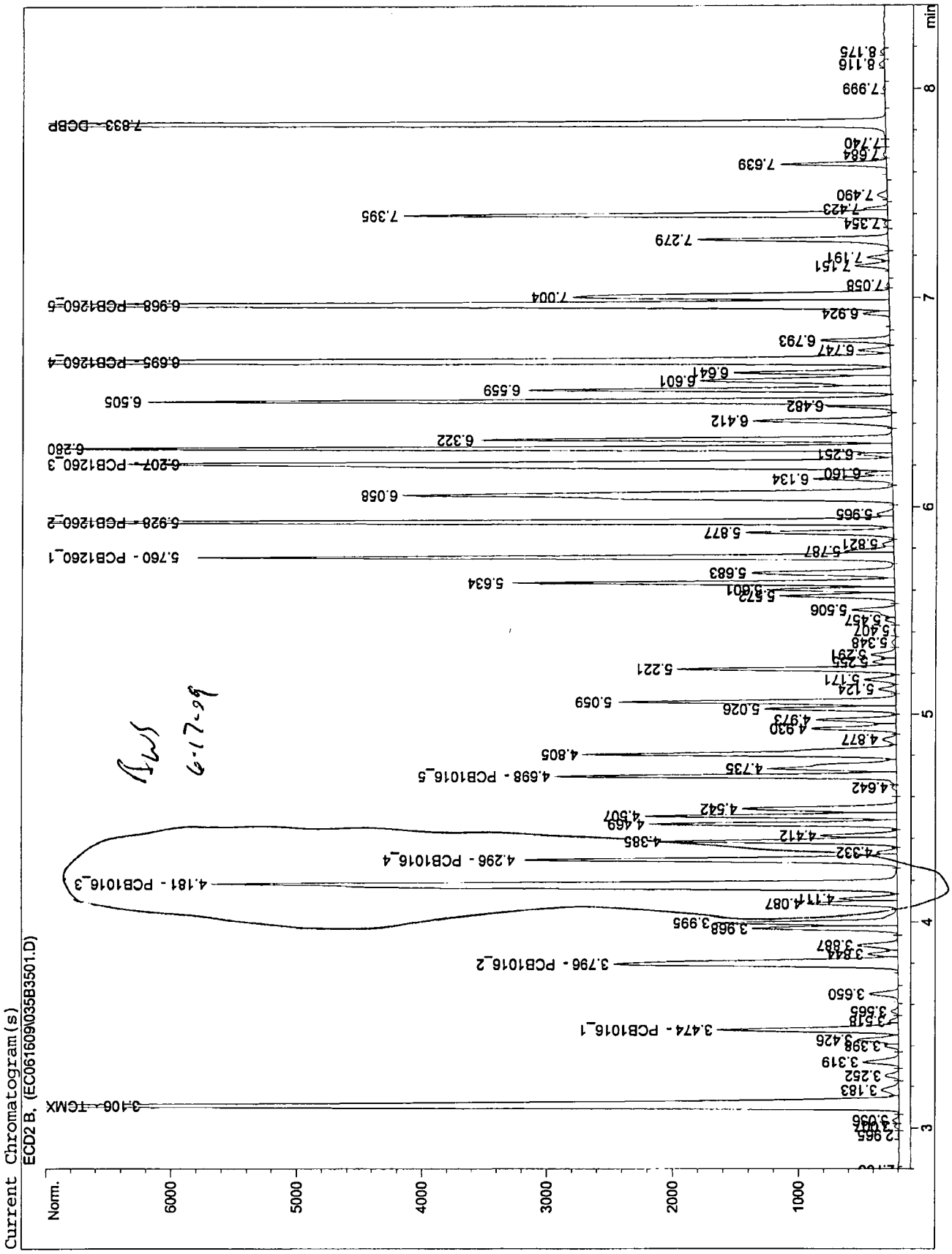
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1.36287e4	7.07647e-3	96.44283		TCMX
3.474	VV	2033.76917	4.53075e-1	921.44899		PCB1016_1
3.796	VV	4170.35840	2.17441e-1	906.80535		PCB1016_2
4.181	FM	5876.34326	1.46526e-1	861.03867		PCB1016_3
4.296	VV	4022.45117	2.41745e-1	972.40734		PCB1016_4
4.698	VV	3104.98975	3.02309e-1	938.66590		PCB1016_5
5.760	VV	6291.23389	1.50335e-1	945.79497		PCB1260_1
5.928	VV	9044.02246	1.08669e-1	982.80589		PCB1260_2
6.207	VV	1.06166e4	8.69772e-2	923.40447		PCB1260_3
6.695	VV	1.70676e4	5.68041e-2	969.51015		PCB1260_4
6.891		-	-	-		DBC
6.968	VV	1.11218e4	8.76728e-2	975.08050		PCB1260_5
7.833	VB	1.36456e4	6.60789e-3	90.16844		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:07:22 AM BWS

Print of window 38: Current Chromatogram(s)

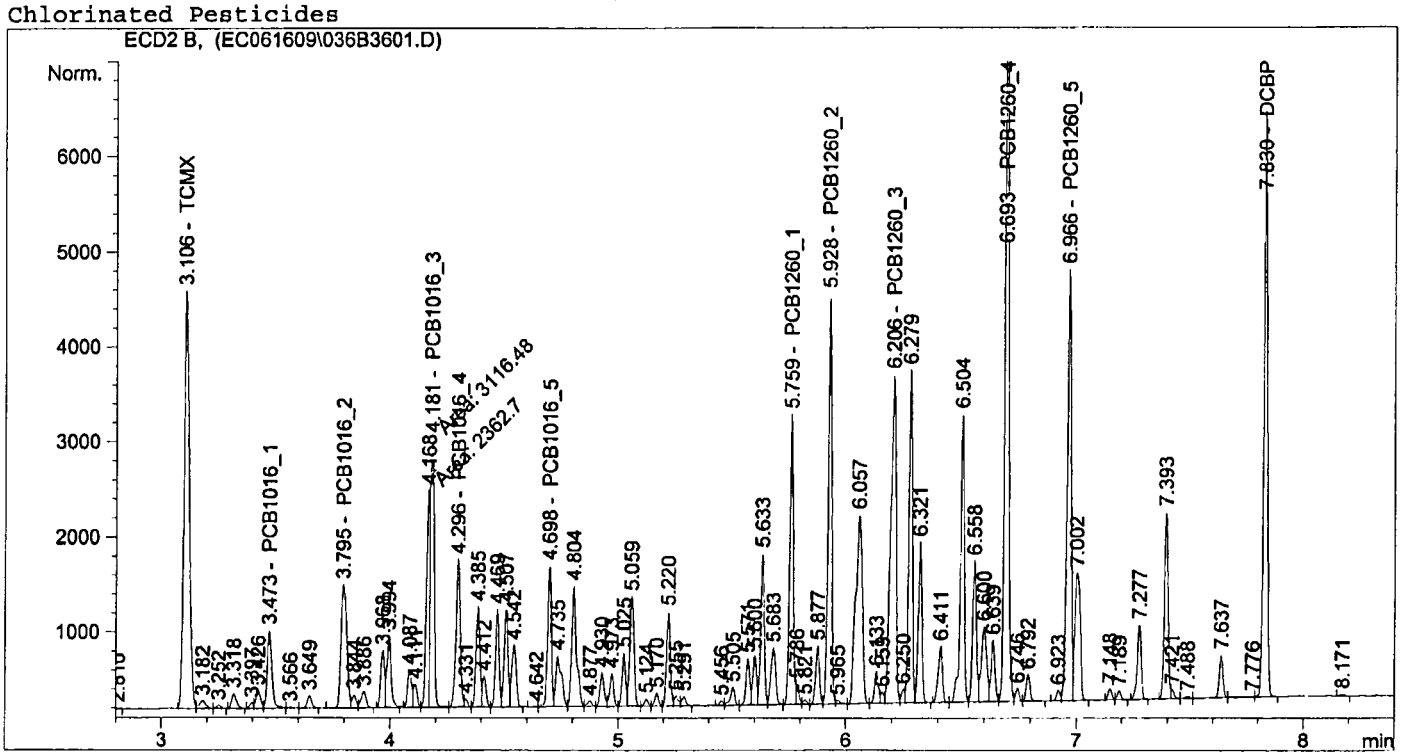


ECD2 6/17/2009 10:06:52 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\036B3601.D

Injection Date	: 6/16/2009 10:11:44 PM	Seq. Line :	36
Sample Name	: PCB x500 ICAL	Location :	Vial 36
Acq. Operator	: BWS	Inj :	1
		Inj Volume :	1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M		
Last changed	: 6/17/2009 10:08:05 AM by BWS (modified after loading)		

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:08:02 AM
Multiplier	:	1.0000
Dilution	:	1.0000

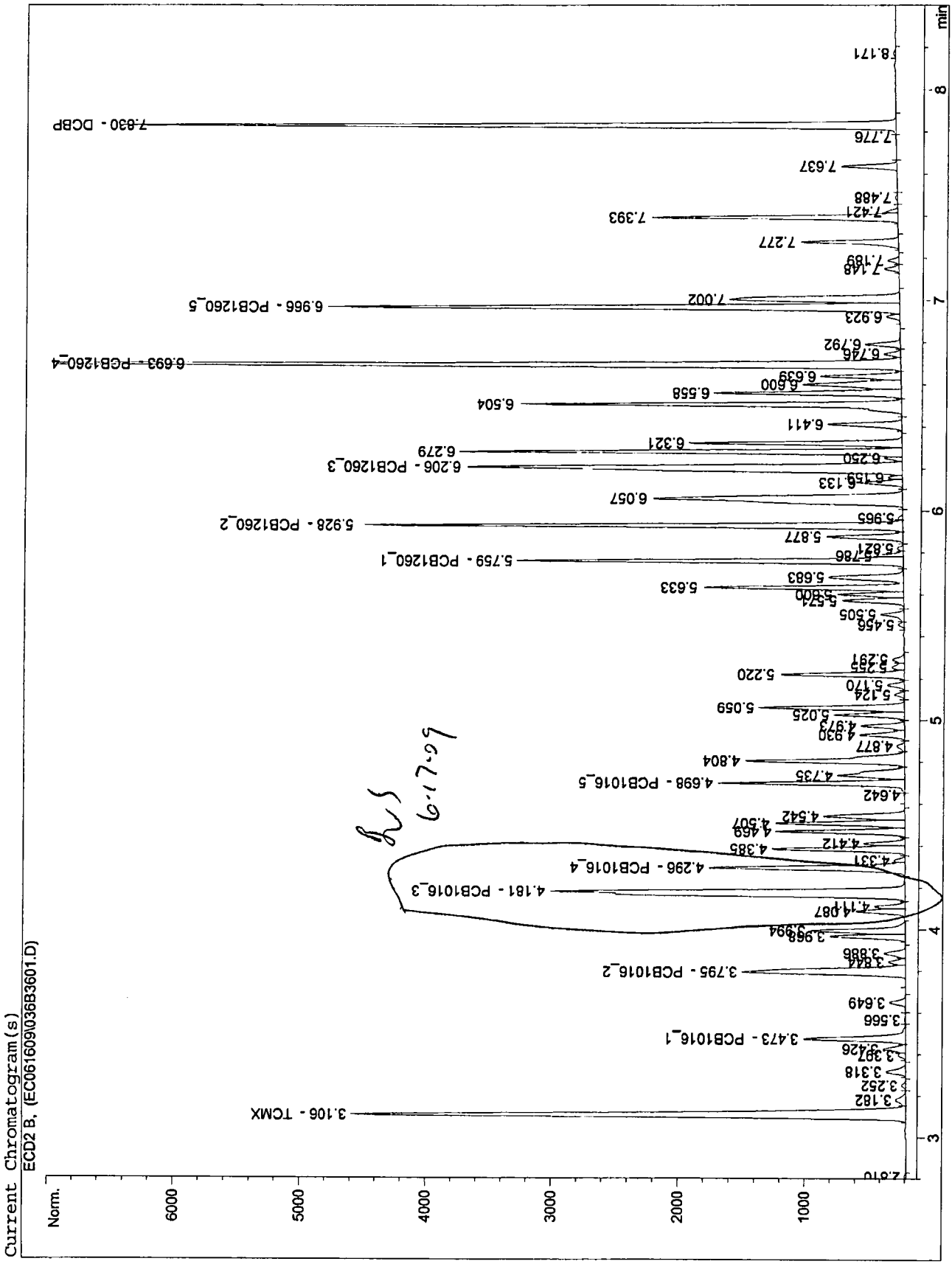
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	7003.94629	7.20672e-3	50.47550		TCMX
3.473	VV	1173.99915	4.48251e-1	526.24666		PCB1016_1
3.795	BV	2337.43018	2.17472e-1	508.32606		PCB1016_2
4.181	FM	3116.47534	1.53470e-1	478.28481		PCB1016_3
4.296	VV	2094.15796	2.42120e-1	507.03773		PCB1016_4
4.698	VV	1677.99841	3.03838e-1	509.83950		PCB1016_5
5.759	VV	3357.37085	1.51005e-1	506.97811		PCB1260_1
5.928	VV	4654.07275	1.09539e-1	509.80197		PCB1260_2
6.206	VV	5743.00488	8.85477e-2	508.52996		PCB1260_3
6.693	VV	8792.44434	5.78925e-2	509.01700		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	5652.14844	8.91801e-2	504.05910		PCB1260_5
7.830	VB	6917.99902	6.66835e-3	46.13166		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:08:05 AM BWS

Print of window 38: Current Chromatogram(s)

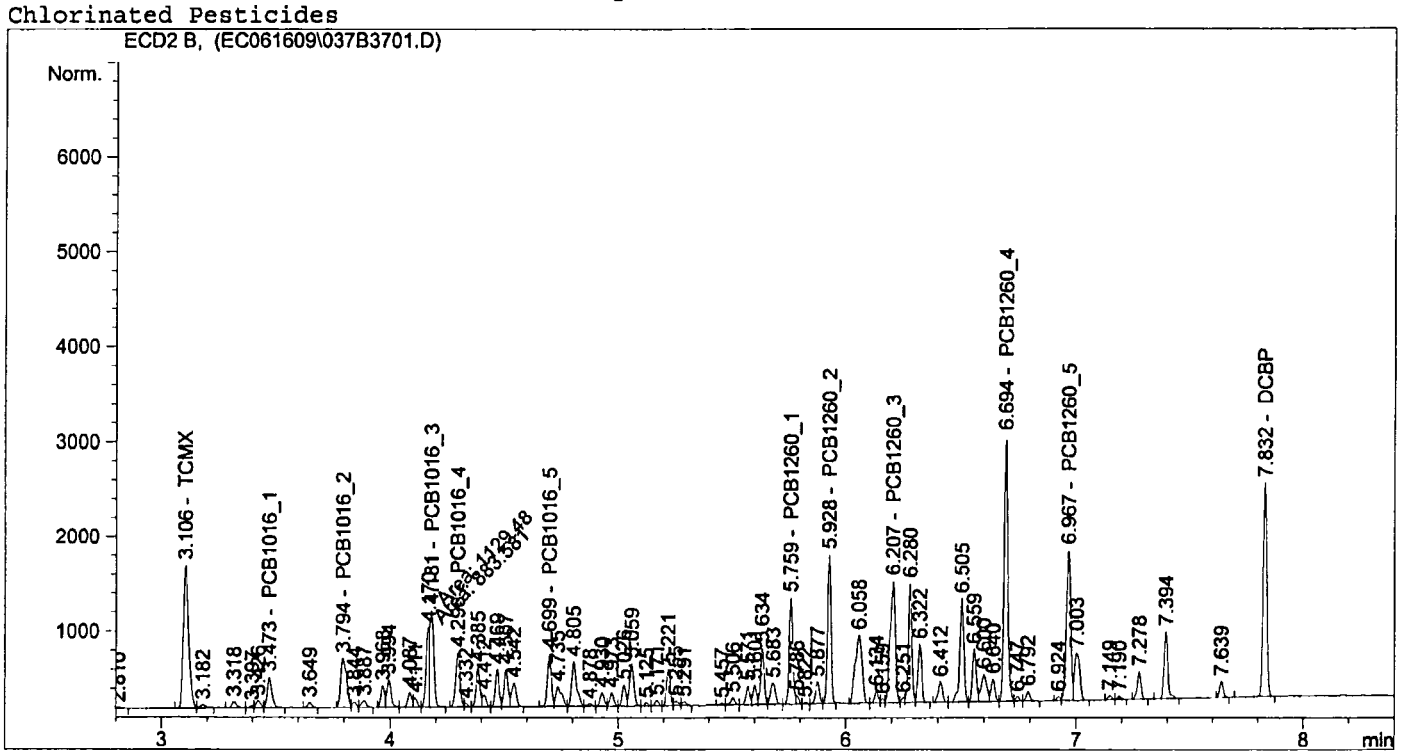


ECD2 6/17/2009 10:07:40 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\037B3701.D

Injection Date	: 6/16/2009 10:24:44 PM	Seq. Line :	37
Sample Name	: PCB x200 ICAL	Location :	Vial 37
Acq. Operator	: BWS	Inj :	1
		Inj Volume :	1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M		
Last changed	: 6/17/2009 10:10:01 AM by BWS (modified after loading)		

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:10:00 AM
Multiplier	:	1.0000
Dilution	:	1.0000

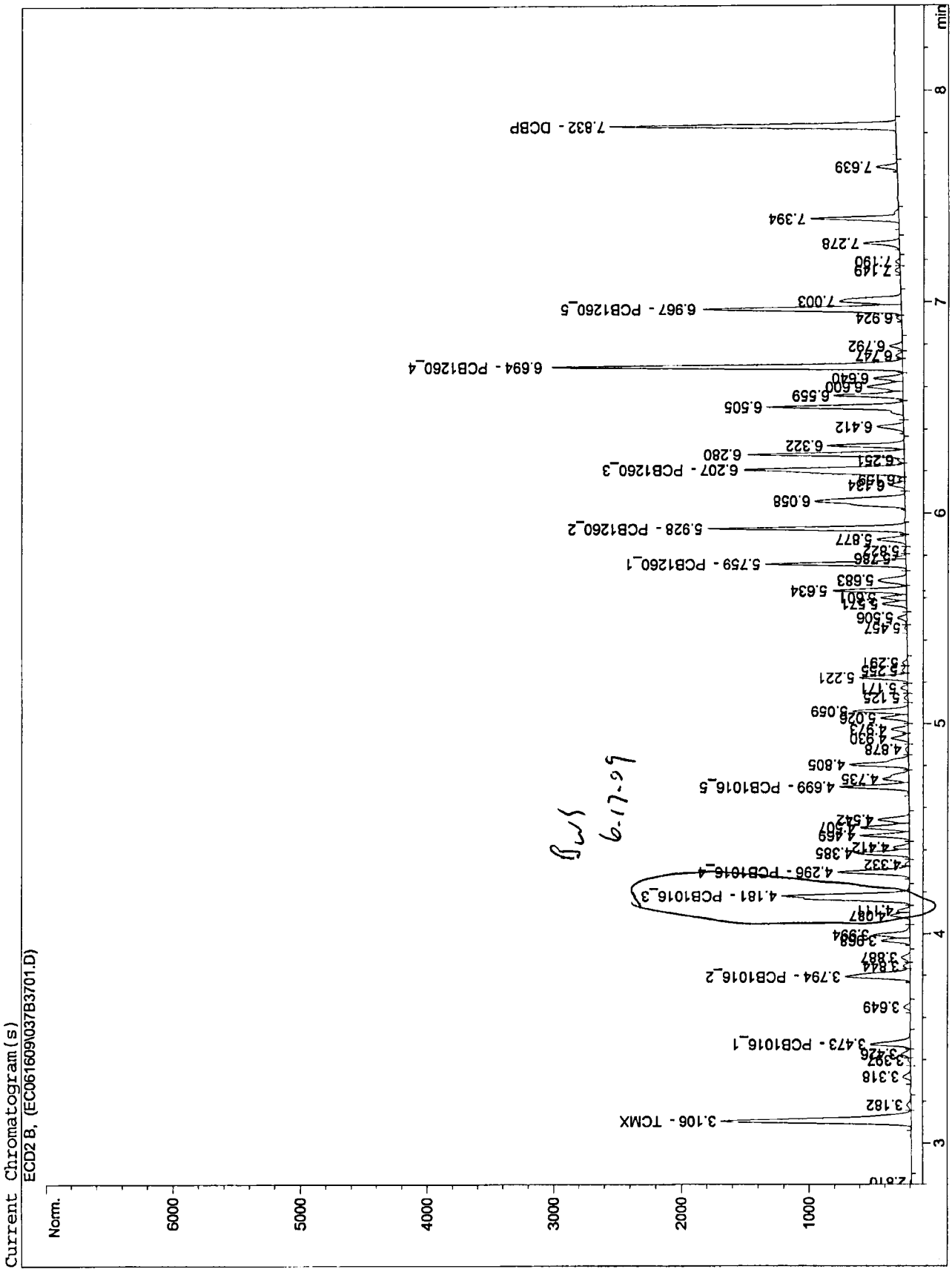
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2459.41650	7.98155e-3	19.62996		TCMX
3.473	VB	459.35840	4.55209e-1	209.10389		PCB1016_1
3.794	BV	925.94446	2.27040e-1	210.22643		PCB1016_2
4.181	FM	1129.47510	1.84501e-1	208.38960		PCB1016_3
4.296	BV	785.00928	2.52392e-1	198.12976		PCB1016_4
4.699	BV	634.24420	3.20572e-1	203.32064		PCB1016_5
5.759	VV	1251.00183	1.59135e-1	199.07828		PCB1260_1
5.928	VV	1690.69934	1.17110e-1	197.99704		PCB1260_2
6.207	VV	2103.30566	9.77195e-2	205.53395		PCB1260_3
6.694	VV	3117.92969	6.42428e-2	200.30467		PCB1260_4
6.891		-	-	-		DBC
6.967	VV	2021.84827	9.79173e-2	197.97387		PCB1260_5
7.832	BB	2527.29541	7.09127e-3	17.92173		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:10:01 AM BWS

Print of window 38: Current Chromatogram(s)



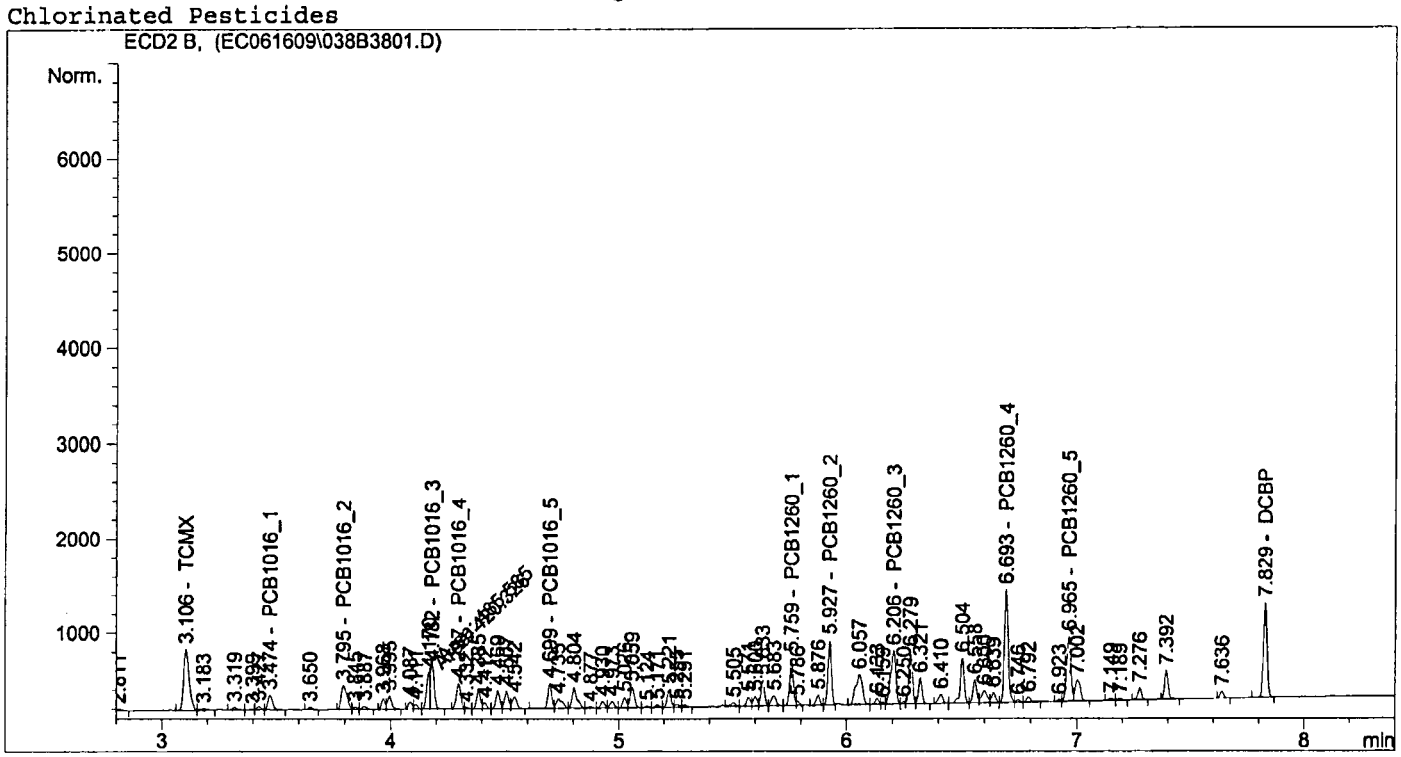
ECD2 6/17/2009 10:08:23 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\038B3801.D

Injection Date	: 6/16/2009 10:37:35 PM	Seq. Line :	38
Sample Name	: PCB x100 ICAL	Location :	Vial 38
Acq. Operator	: BWS	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/17/2009 10:10:50 AM by BWS
(modified after loading)

Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:10:48 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

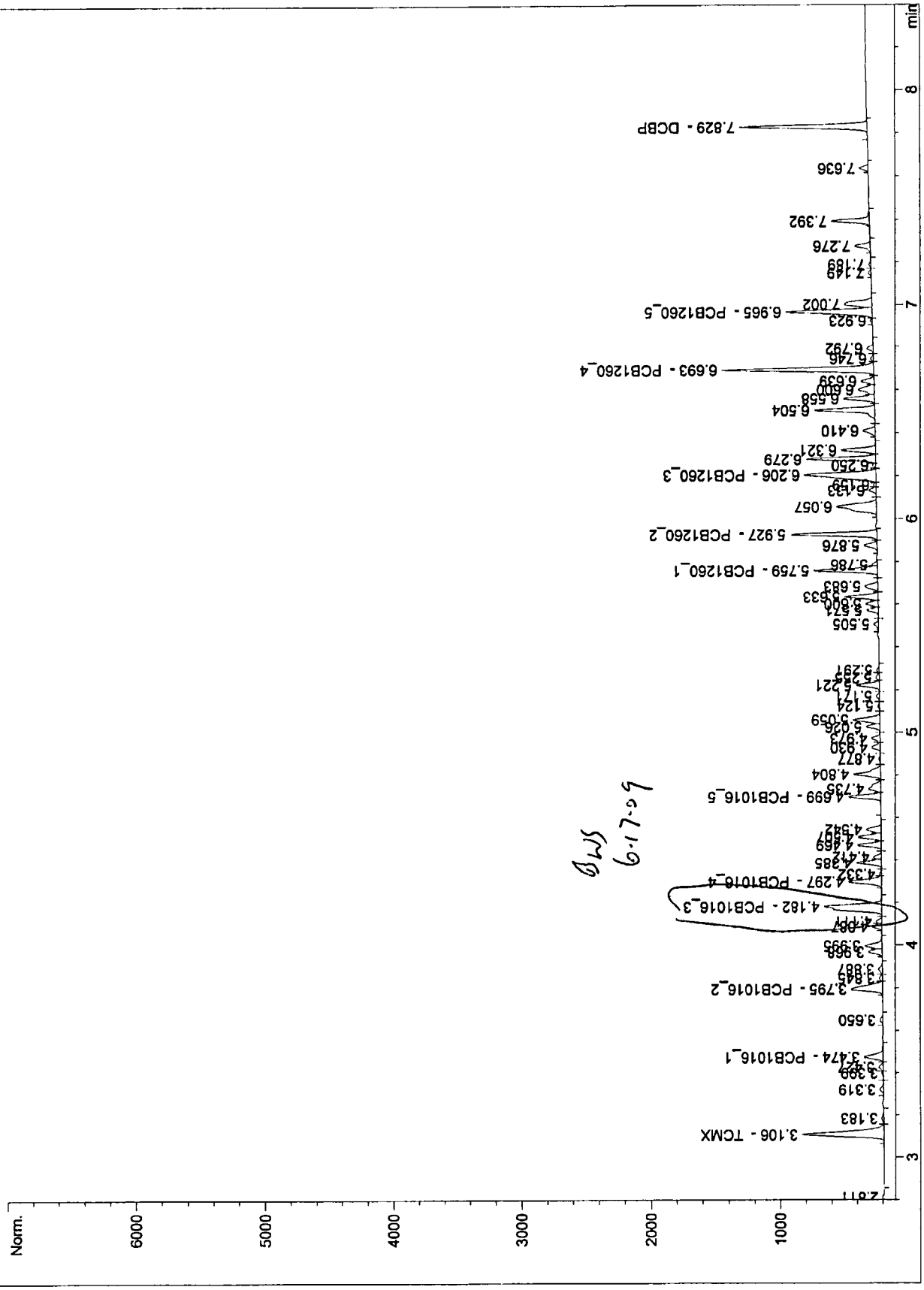
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1060.00964	9.47053e-3	10.03885		TCMX
3.474	VB	217.42149	4.56579e-1	99.27014		PCB1016_1
3.795	BV	437.29282	2.40067e-1	104.97947		PCB1016_2
4.182	FM	485.58514	2.49460e-1	121.13418		PCB1016_3
4.297	BV	360.85504	2.68497e-1	96.88843		PCB1016_4
4.699	BV	295.44028	3.46344e-1	102.32409		PCB1016_5
5.759	VV	561.53314	1.74475e-1	97.97337		PCB1260_1
5.927	VV	743.89374	1.30403e-1	97.00615		PCB1260_2
6.206	VV	927.62262	1.14883e-1	106.56771		PCB1260_3
6.693	VV	1324.98889	7.63427e-2	101.15317		PCB1260_4
6.891		-	-	-		DBC
6.965	VV	870.44684	1.14817e-1	99.94177		PCB1260_5
7.829	BB	1119.47693	8.34984e-3	9.34745		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:10:50 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)
ECD2 B, (EC061609\038B3801.D)



BWS 6-17-09

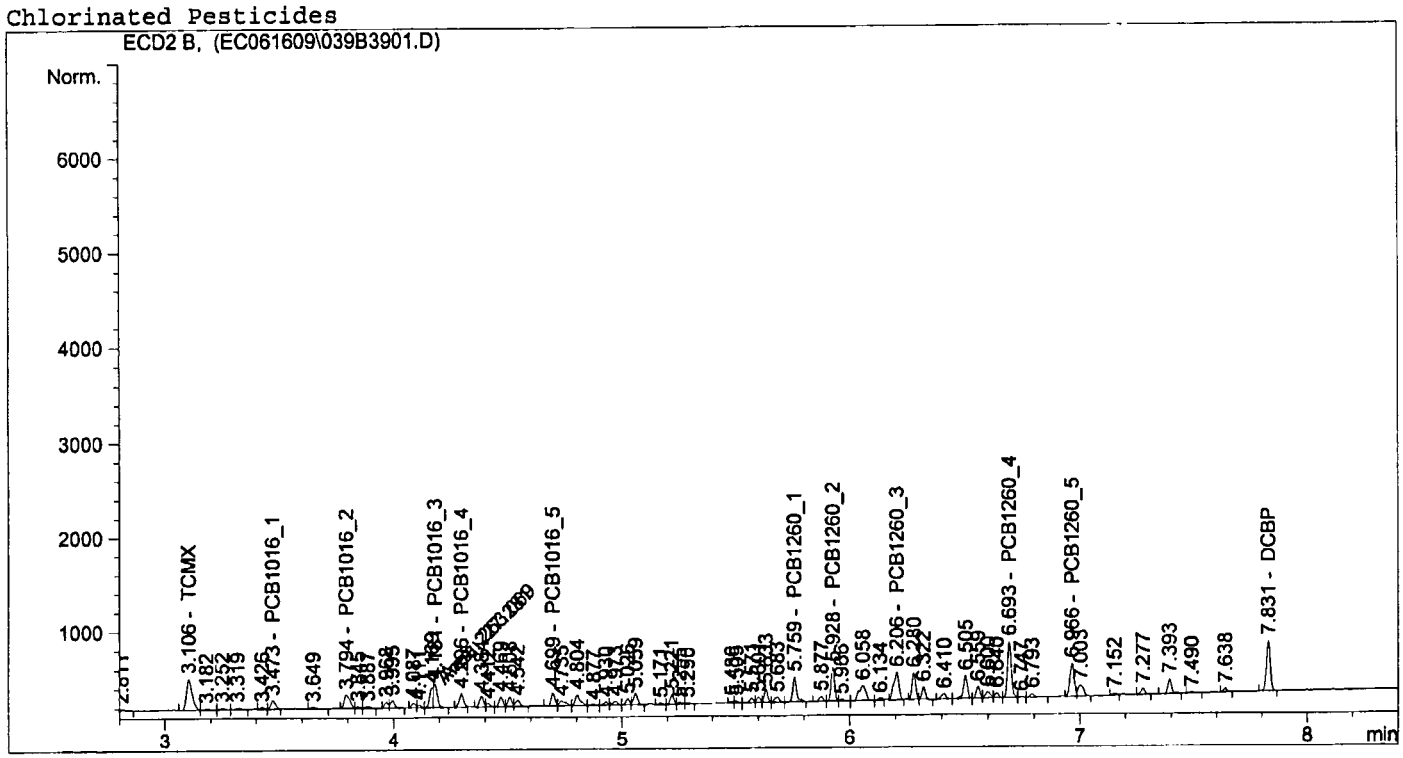
ECD2 6/17/2009 10:10:29 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\039B3901.D

Injection Date	: 6/16/2009 10:50:29 PM	Seq. Line :	39
Sample Name	: PCB x40 ICAL	Location :	Vial 39
Acq. Operator	: BWS	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/17/2009 10:11:41 AM by BWS
(modified after loading)

Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

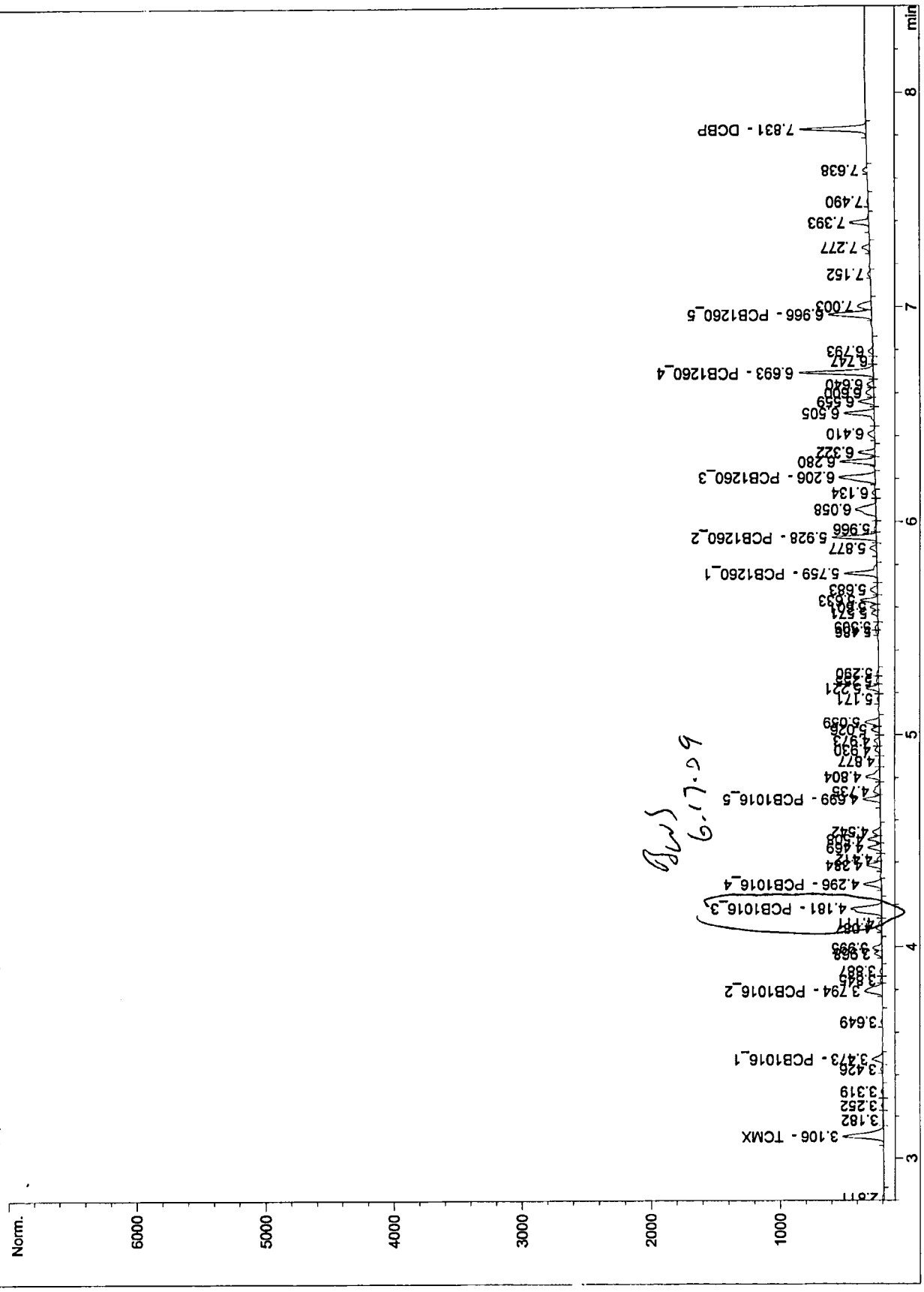
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	548.72662	1.20299e-2	6.60113		TCMX
3.473	VV	121.06745	4.56623e-1	55.28216		PCB1016_1
3.794	BV	251.36978	2.58563e-1	64.99505		PCB1016_2
4.181	FM	263.06857	3.48380e-1	91.64781		PCB1016_3
4.296	BV	195.81090	2.95069e-1	57.77769		PCB1016_4
4.699	VV	160.03806	3.89192e-1	62.28561		PCB1016_5
5.759	VV	317.76819	1.96374e-1	62.40140		PCB1260_1
5.928	VV	382.41440	1.54962e-1	59.25959		PCB1260_2
6.206	VV	472.35635	1.46152e-1	69.03575		PCB1260_3
6.693	VV	666.49261	9.75963e-2	65.04720		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	445.24323	1.44457e-1	64.31850		PCB1260_5
7.831	BB	608.79004	1.07789e-2	6.56211		DCBP

BWS
6-17-09

ECD2 6/17/2009 10:11:41 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)
ECD2 B, (EC061609\039B3901.D)



BWS 6.17.09

ECD2 6/17/2009 10:11:16 AM BWS

8082 CVS Raw Data

PCB Calibration Verification Summary

Sample ID:	CVS-1221-1000	Date:	02-Jul-09 09:10
Instrument ID:	ECD2	ICAL Reference Date:	6/16/2009
		Column:	Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1221	1	3.31398	3.28398	3.34398	1043.478068	1046.275607	-4.63
	2	3.42068	3.39068	3.45068	1060.00538		
	3	3.46843	3.43843	3.49843	1035.343373		
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
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	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

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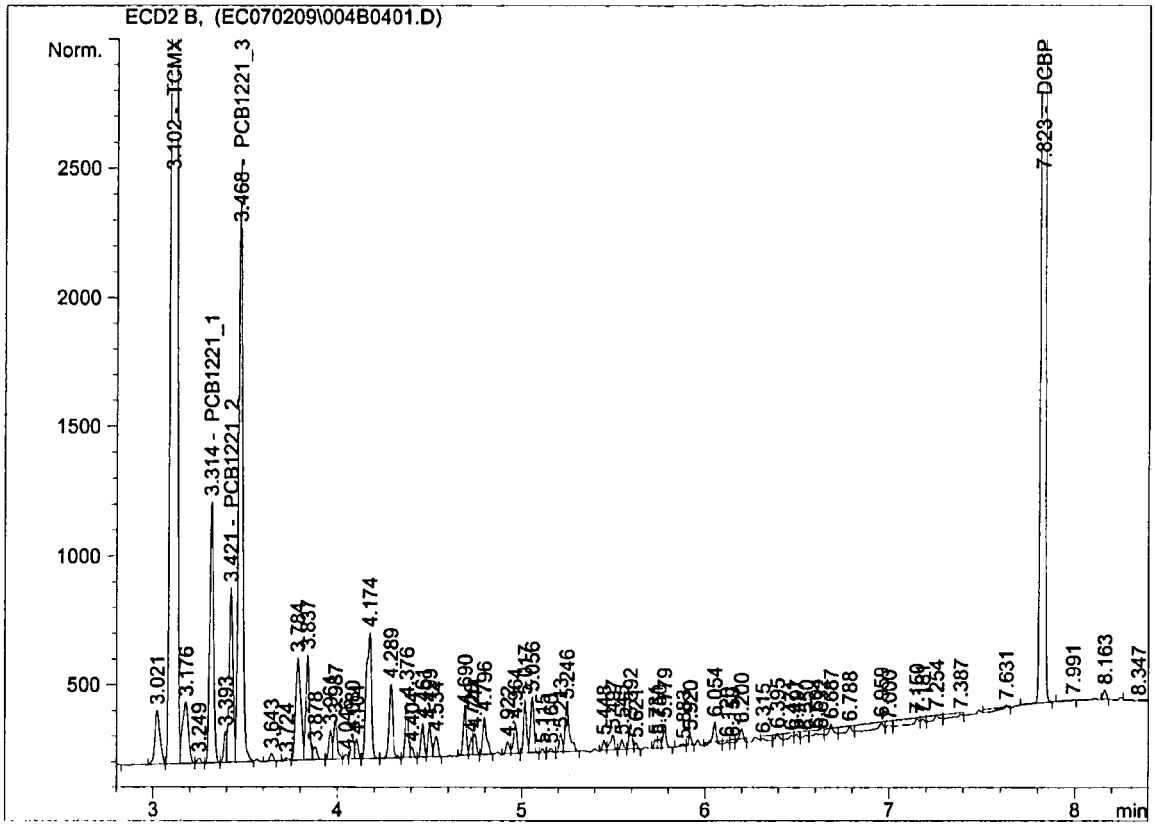
==================================================================
Injection Date  : 7/2/2009 9:10:31 AM          Seq. Line :   4
Sample Name     : cvs-1221-1000                 Location : Vial 4
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070209\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/22/2009 9:37:20 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.102	VV	1.50734e4	6.87789e-3	103.67307		TCMX
3.314	VV	1475.03540	7.07426e-1	1043.47807		PCB1221_1
3.421	VV	961.49463	1.10246	1060.00538		PCB1221_2
3.468	VV	3505.67236	2.95334e-1	1035.34337		PCB1221_3
6.890		-	-	-		DBC
7.823	BB	1.46449e4	6.84886e-3	100.30065		DCBP

Totals : 3342.80054

Results obtained with enhanced integrator!

BWS 7-2-09

PCB Calibration Verification Summary

Sample ID: CVS-1232-1000
Instrument ID: ECD2
Date: 02-Jul-09 09:23
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1232	1	3.46856	3.43856	3.49856	1025.441774	1014.099922	-1.41
	2	3.78858	3.75858	3.81858	993.8155397		
	3	4.17385	4.14385	4.20385	1024.76652		
	4	4.6906	4.6606	4.7206	1012.779531		
	5	5.05688	5.02688	5.08688	1013.696245		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
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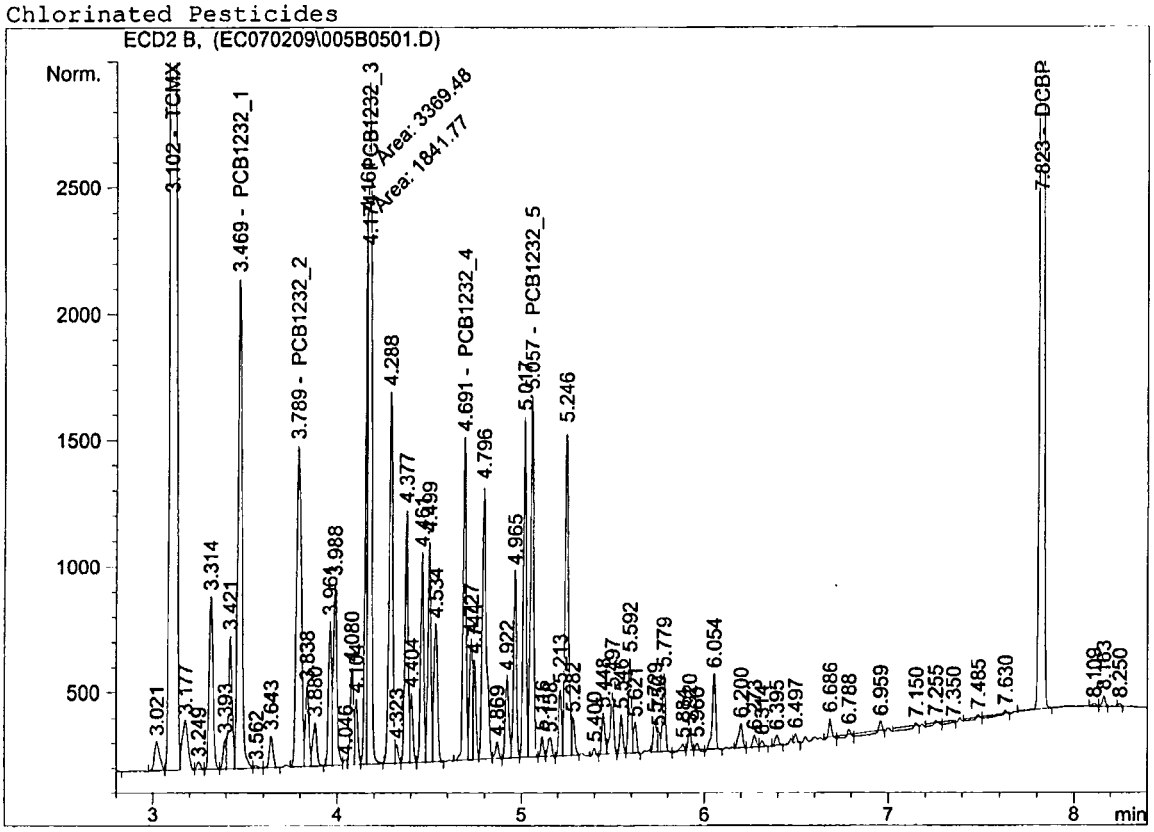
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

SGS North America, Inc.

```
==================================================================
Injection Date  : 7/2/2009 9:23:29 AM          Seq. Line :   5
Sample Name     : cvs-1232-1000                 Location : Vial 5
Acq. Operator   : BWS                               Inj :   1
Acq. Instrument : ECD2                        Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070209\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/22/2009 9:38:06 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

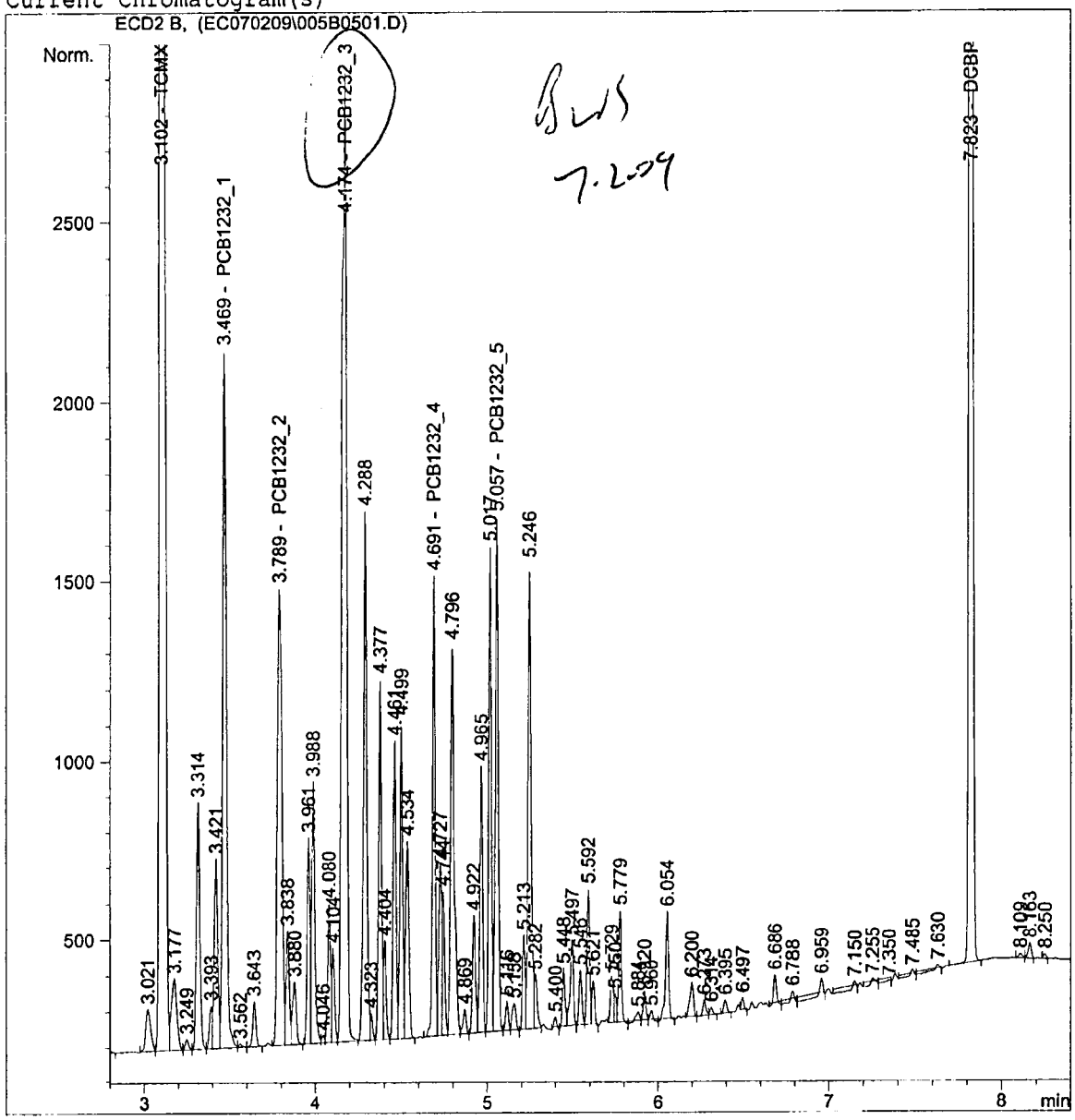
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.102	VV	1.51039e4	6.78361e-3	102.45917		TCMX
3.469	VV	2911.58154	3.52194e-1	1025.44177		PCB1232_1
3.789	VV	2328.76904	4.26756e-1	993.81554		PCB1232_2
4.174	FM	3369.47656	3.04132e-1	1024.76652		PCB1232_3
4.691	PV	1440.56067	7.03045e-1	1012.77953		PCB1232_4
5.057	VV	1714.72351	5.91172e-1	1013.69625		PCB1232_5
6.889		-	-	-		DBC
7.823	BB	1.46410e4	6.79360e-3	99.46524		DCBP
Totals :				5272.42402		

BWS
7-2-09

Print of all graphic windows
Current Chromatogram(s)

SGS North America, Inc.

ECD2 B, (EC070209\005B0501.D)



ECD2 7/2/2009 2:07:59 PM BWS

Page 1 of 1

PCB Calibration Verification Summary

Sample ID:	CVS-1242-1000	Date:	02-Jul-09 09:36
Instrument ID:	ECD2	ICAL Reference Date:	6/16/2009
		Column:	Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1242	1	3.47189	3.44189	3.50189	914.8389779	962.9692055	3.70
	2	3.79153	3.76153	3.82153	928.9084493		
	3	4.17581	4.14581	4.20581	994.0874307		
	4	4.6913	4.6613	4.7213	968.9854678		
	5	5.05758	5.02758	5.08758	1008.025702		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
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	3						
	4						
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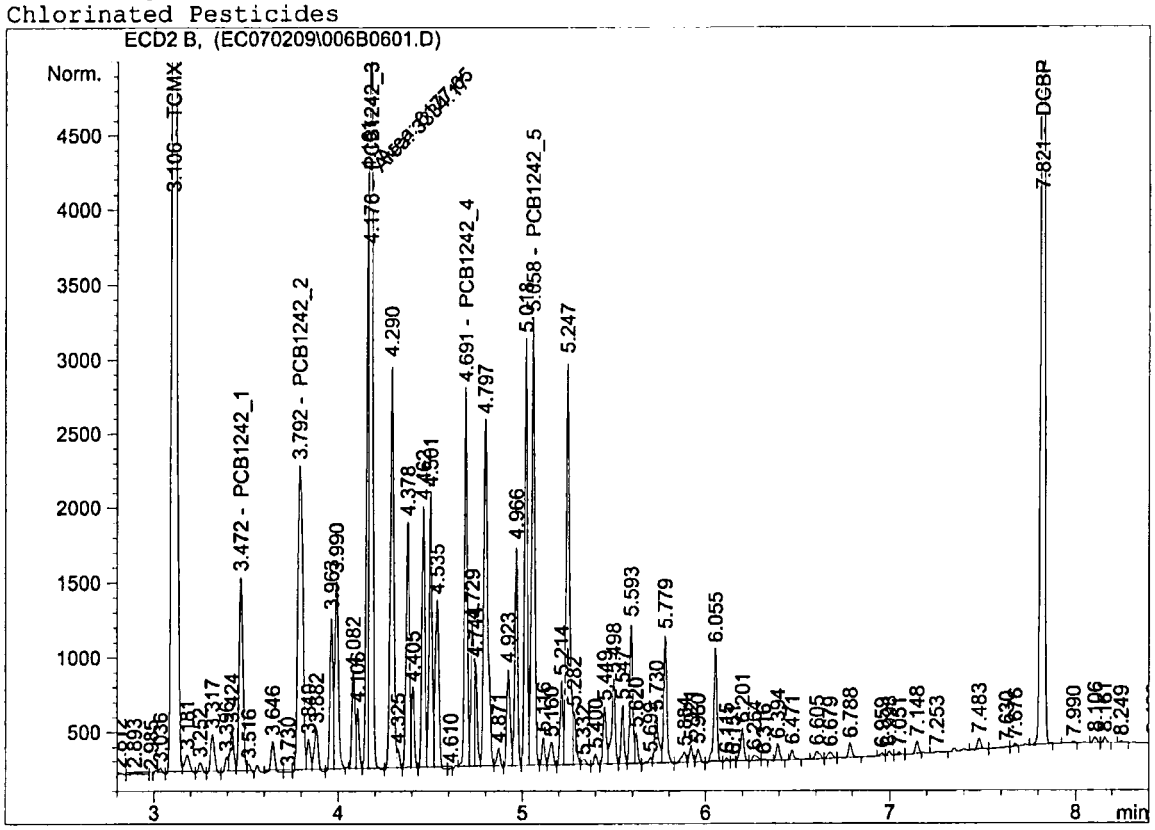
```
==================================================================
Injection Date  : 7/2/2009 9:36:26 AM          Seq. Line :   6
Sample Name     : cvs-1242-1000                 Location : Vial 6
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                        Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070209\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/22/2009 9:38:47 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                    External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.43777e4	6.97070e-3	100.22236		TCMX
3.472	VV	1823.24133	5.01765e-1	914.83898		PCB1242_1
3.792	VV	3713.36548	2.50153e-1	928.90845		PCB1242_2
4.176	FM	6177.64697	1.60917e-1	994.08743		PCB1242_3
4.691	VV	2842.95117	3.40838e-1	968.98547		PCB1242_4
5.058	VV	3572.47998	2.82164e-1	1008.02570		PCB1242_5
6.888		-	-	-		DBC
7.821	VB	1.46678e4	7.00978e-3	102.81782		DCBP

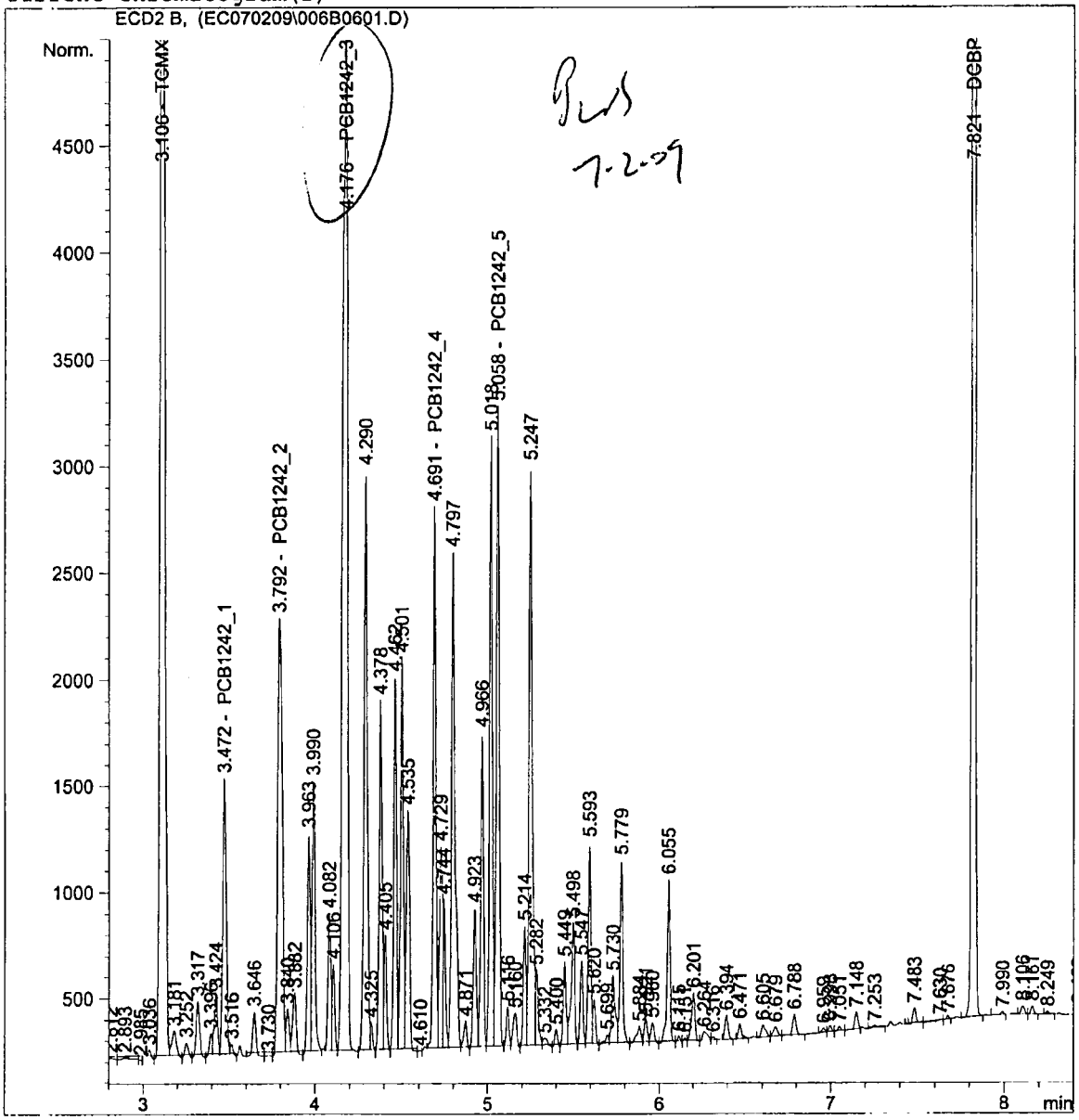
Totals : 5017.88621

BWS
7-2-09

Print of all graphic windows
Current Chromatogram(s)

SGS North America, Inc.

ECD2 B, (EC070209\006B0601.D)



BWS
7-2-09

PCB Calibration Verification Summary

Sample ID: CVS-1248-1000
Instrument ID: ECD2

Date: 02-Jul-09 09:49
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1248	1	4.45977	4.42977	4.48977	1110.609172	1103.348804	-10.3
	2	4.68946	4.65946	4.71946	1096.342979		
	3	5.05561	5.02561	5.08561	1112.494101		
	4	5.24556	5.21556	5.27556	1104.590671		
	5	5.59182	5.56182	5.62182	1092.707095		
	1						
	2						
	3						
	4						
	5						
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	2						
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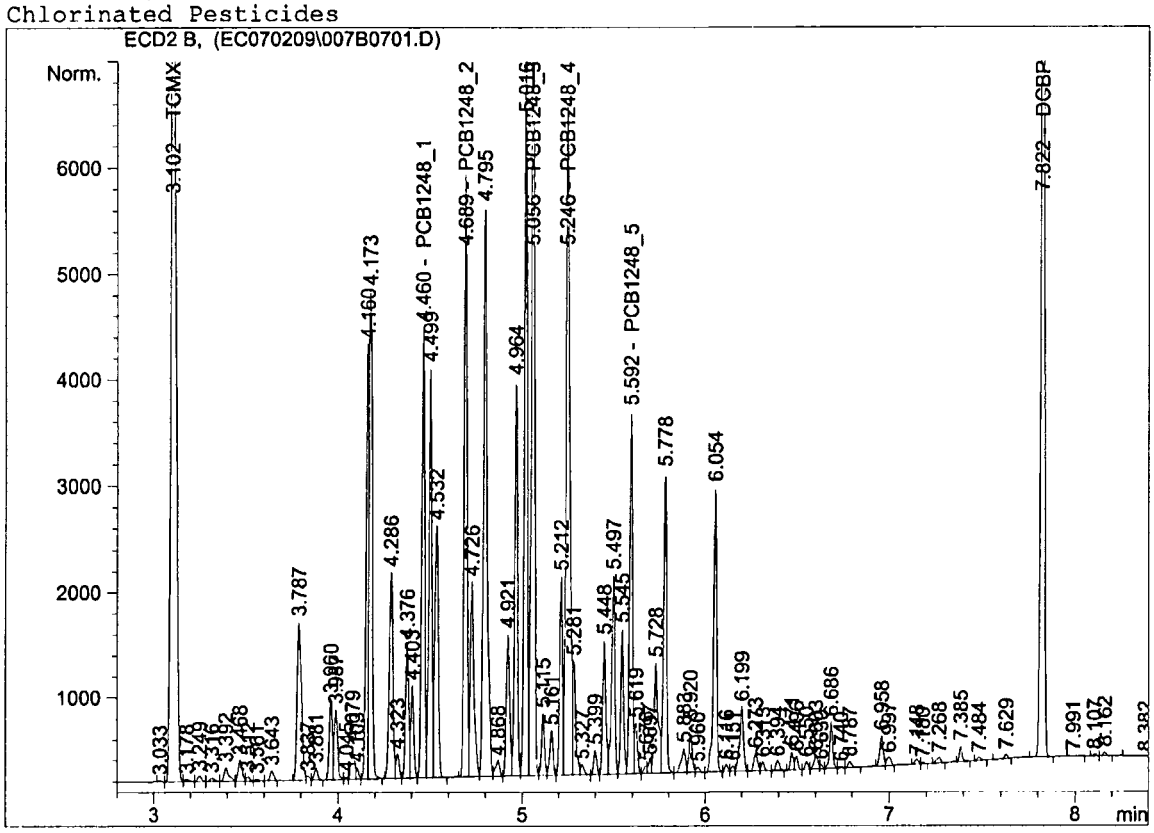
	5						

Injection Date	: 7/2/2009 9:49:15 AM	Seq. Line :	7
Sample Name	: cvs-1248-1000	Location :	Vial 7
Acq. Operator	: BWS	Inj :	1
Acq. Instrument	: ECD2	Inj Volume :	1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC070209\PCBMET~1\PCBMET~1\1248R.M		
Last changed	: 6/22/2009 9:39:08 AM by BWS		

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 9:21:03 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.102	VV	1.63143e4	6.74655e-3	110.06506		TCMX
4.460	VV	4754.81641	2.33576e-1	1110.60917		PCB1248_1
4.689	VV	6265.68945	1.74976e-1	1096.34298		PCB1248_2
5.056	VV	9269.13867	1.20021e-1	1112.49410		PCB1248_3
5.246	VV	9156.55176	1.20634e-1	1104.59067		PCB1248_4
5.592	VV	3752.46899	2.91197e-1	1092.70709		PCB1248_5
6.887		-	-	-		DBC
7.822	BB	1.59934e4	6.79845e-3	108.73028		DCBP
Totals :				5735.53936		

BWS
7-2-09

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2
Date: 02-Jul-09 11:57
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.04886	5.01886	5.07886	1046.14762	1078.73298	-7.87
	2	5.21163	5.18163	5.24163	1124.257657		
	3	5.59121	5.56121	5.62121	1052.552396		
	4	5.77763	5.74763	5.80763	1060.45619		
	5	6.19897	6.16897	6.22897	1110.251039		
	1						
	2						
	3						
	4						
	5						
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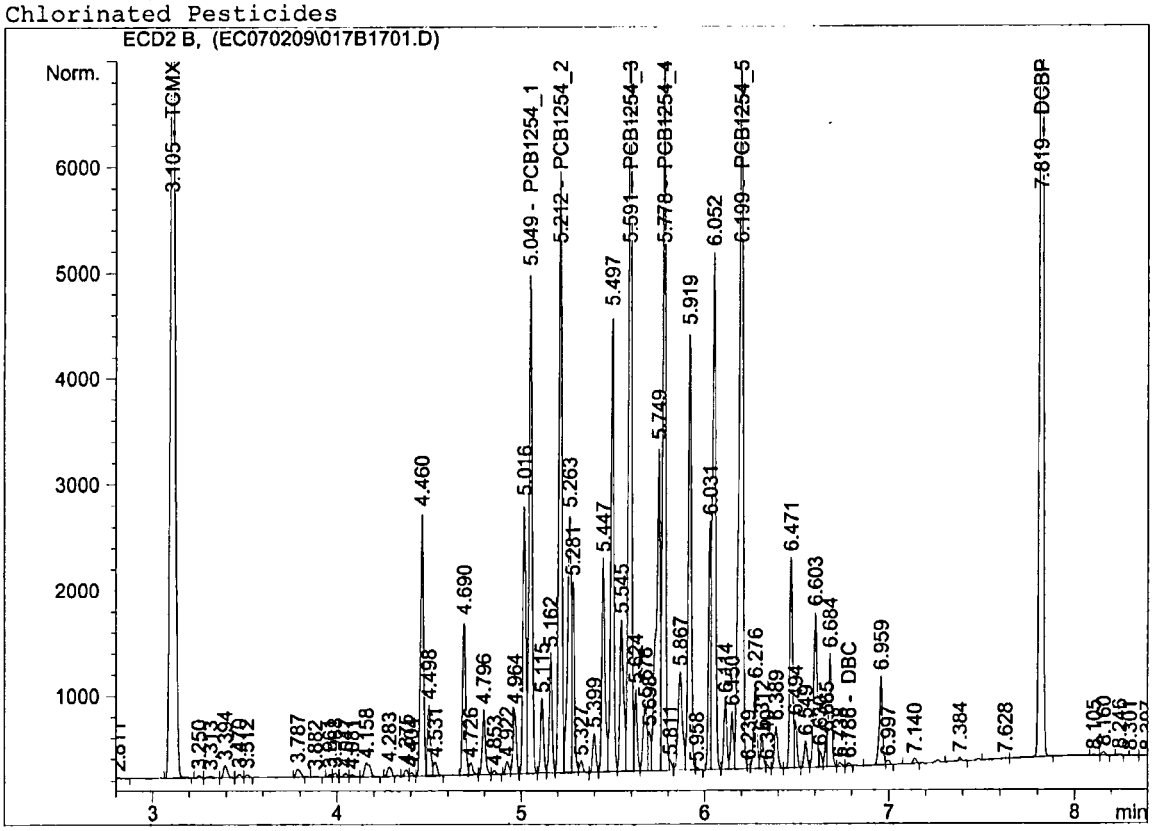
```
==========================================================================
Injection Date  : 7/2/2009 11:57:39 AM          Seq. Line :  17
Sample Name     : cvs-1254-1000                  Location : Vial 17
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070209\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```




```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.105	VB	1.44833e4	7.16301e-3	103.74406		TCMX
5.049	VV	5547.18457	1.88591e-1	1046.14762		PCB1254_1
5.212	VV	6291.53271	1.78694e-1	1124.25766		PCB1254_2
5.591	VV	9394.55078	1.12039e-1	1052.55240		PCB1254_3
5.778	VV	7597.07959	1.39587e-1	1060.45619		PCB1254_4
6.199	VV	9829.58105	1.12950e-1	1110.25104		PCB1254_5
6.786	VV	38.33904	0.00000	0.00000		DBC
7.819	VB	1.46500e4	7.11199e-3	104.19082		DCBP

Totals : 5601.59979

BWS 7-2-09

PCB Calibration Verification Summary

Sample ID:	CVS-PCB-1000	Date:	02-Jul-09 12:10
Instrument ID:	ECD2	ICAL Reference Date:	6/16/2009
		Column:	Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1016	1	3.47054	3.44054	3.50054	1086.904102	1091.018988	-9.10
	2	3.78957	3.75957	3.81957	1088.754537		
	3	4.17428	4.14428	4.20428	1119.650149		
	4	4.28848	4.25848	4.31848	1076.629519		
	5	4.68975	4.65975	4.71975	1083.156631		
Aroclor 1260	1	5.74956	5.71956	5.77956	1104.237885	1109.190762	-10.9
	2	5.91869	5.88869	5.94869	1100.402279		
	3	6.19699	6.16699	6.22699	1113.979897		
	4	6.6837	6.6537	6.7137	1117.654081		
	5	6.95576	6.92576	6.98576	1109.679669		
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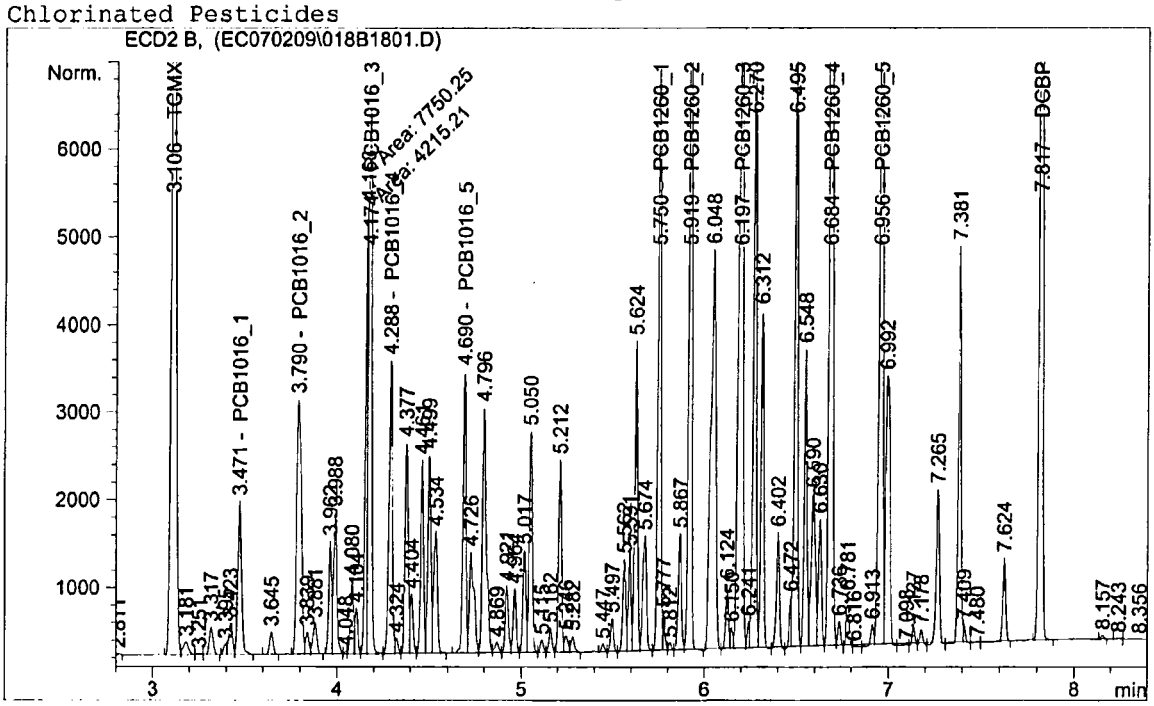
```
==================================================================
Injection Date  : 7/2/2009 12:10:07 PM          Seq. Line :  18
Sample Name     : cvs-PCB-1000                   Location : Vial 18
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070209\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides
```



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External Standard Report

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```
Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:11:39 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1.55016e4	6.95657e-3	107.83788		TCMX
3.471	VV	2414.20947	4.50211e-1	1086.90410		PCB1016_1
3.790	PV	5024.13818	2.16705e-1	1088.75454		PCB1016_2
4.174	FM	7750.24561	1.44466e-1	1119.65015		PCB1016_3
4.288	VV	4495.92139	2.39468e-1	1076.62952		PCB1016_4
4.690	VV	3616.92651	2.99469e-1	1083.15663		PCB1016_5
5.750	VV	7382.88916	1.49567e-1	1104.23789		PCB1260_1
5.919	VB	1.03336e4	1.06488e-1	1100.40228		PCB1260_2
6.197	VV	1.30521e4	8.53489e-2	1113.97990		PCB1260_3
6.684	VV	2.01813e4	5.53808e-2	1117.65408		PCB1260_4
6.891		-	-	-		DBC
6.956	VV	1.29275e4	8.58385e-2	1109.67967		PCB1260_5
7.817	VB	1.54730e4	6.99968e-3	108.30608		DCBP

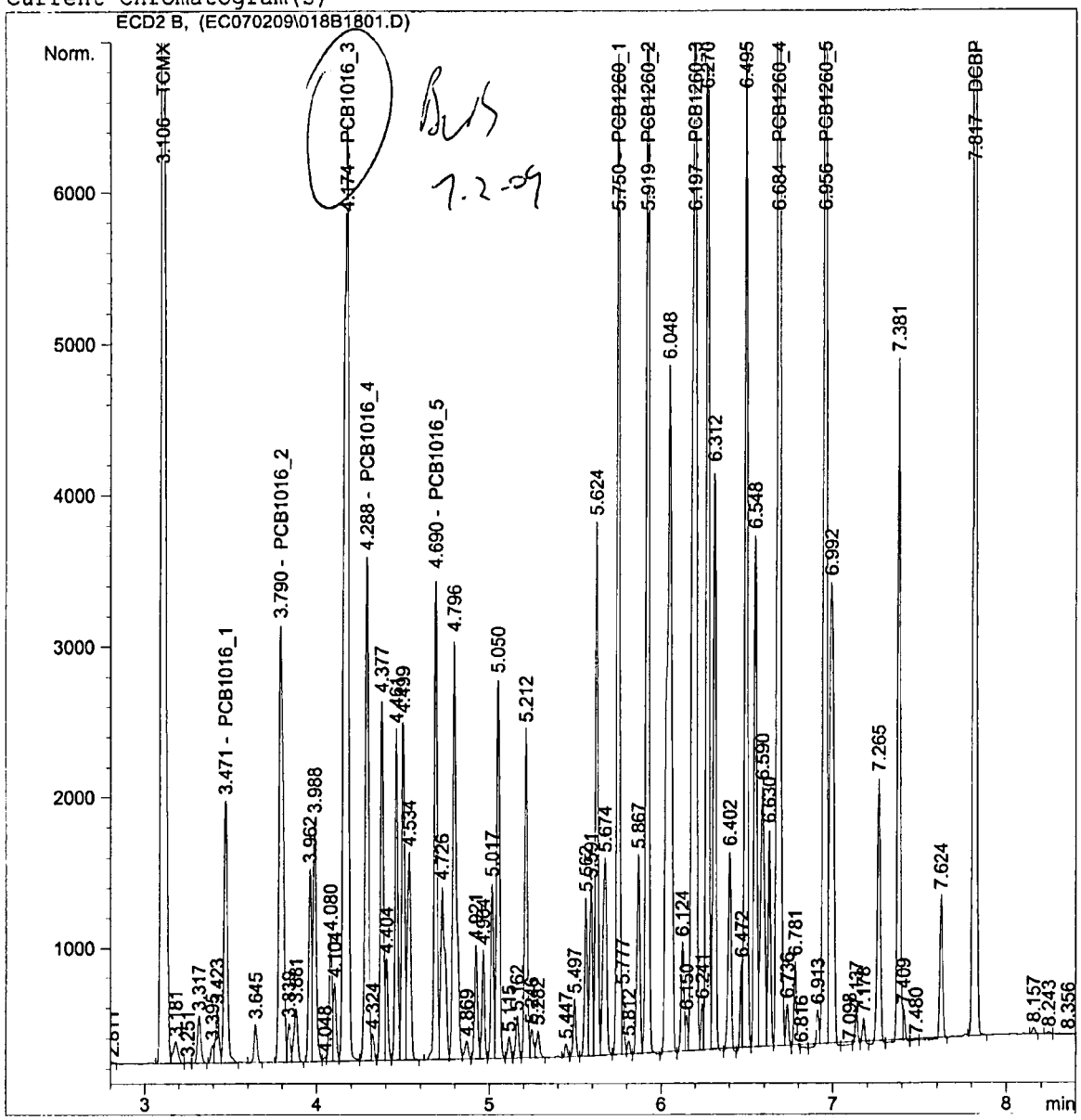
Totals : 1.12172e4

BWS
7-2-09

Print of all graphic windows
Current Chromatogram(s)

SGS North America, Inc.

ECD2 B, (EC070209\018B1801.D)



ECD2 7/2/2009 2:20:49 PM BWS

Page 1 of 1

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 02-Jul-09 17:15
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.05032	5.02032	5.08032	779.9307604	896.8289688	10.3
	2	5.21289	5.18289	5.24289	979.2705811		
	3	5.59235	5.56235	5.62235	881.9304335		
	4	5.77809	5.74809	5.80809	897.8220797		
	5	6.19954	6.16954	6.22954	945.1909894		
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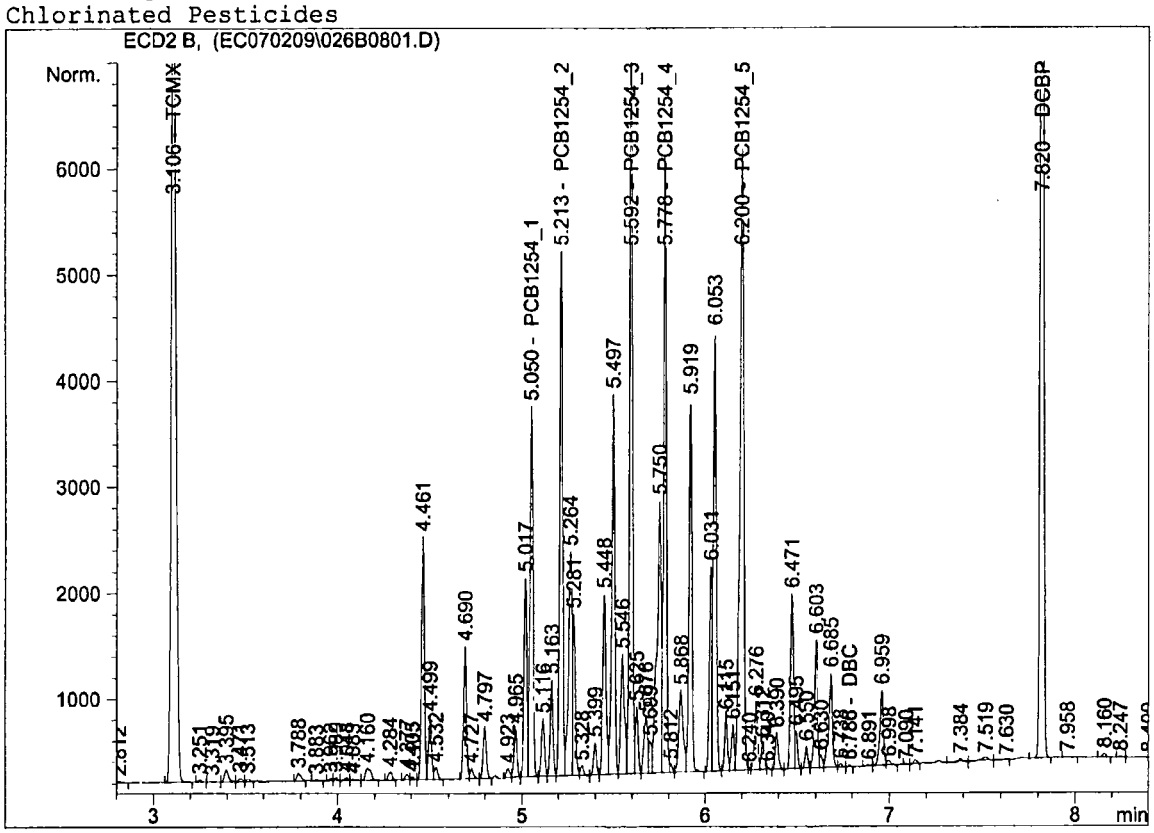
==================================================================
Injection Date  : 7/2/2009 5:15:41 PM          Seq. Line :   8
Sample Name     : cvs-1254-1000                 Location : Vial 26
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070209\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	1.36985e4	7.17334e-3	98.26371		TCMX
5.050	VV	4118.72266	1.89362e-1	779.93076		PCB1254_1
5.213	VV	5490.85010	1.78346e-1	979.27058		PCB1254_2
5.592	VV	7840.47314	1.12484e-1	881.93043		PCB1254_3
5.778	VV	6415.47412	1.39946e-1	897.82208		PCB1254_4
6.200	VV	8362.00879	1.13034e-1	945.19099		PCB1254_5
6.786	VV	12.44124	0.00000	0.00000		DBC
7.820	VB	1.38927e4	7.12035e-3	98.92072		DCBP

BWS
7-6-09

Totals : 4681.32928

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 02-Jul-09 17:28
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1016	1	3.4709	3.4409	3.5009	1085.195333	1098.804112	-9.88
	2	3.79044	3.76044	3.82044	1077.662324		
	3	4.1745	4.1445	4.2045	1170.213455		
	4	4.289	4.259	4.319	1069.086433		
	5	4.69016	4.66016	4.72016	1091.863016		
Aroclor 1260	1	5.75021	5.72021	5.78021	1082.308249	1081.900228	-8.19
	2	5.91911	5.88911	5.94911	1082.957209		
	3	6.19798	6.16798	6.22798	1077.390361		
	4	6.68566	6.65566	6.71566	1091.509359		
	5	6.95752	6.92752	6.98752	1075.335959		
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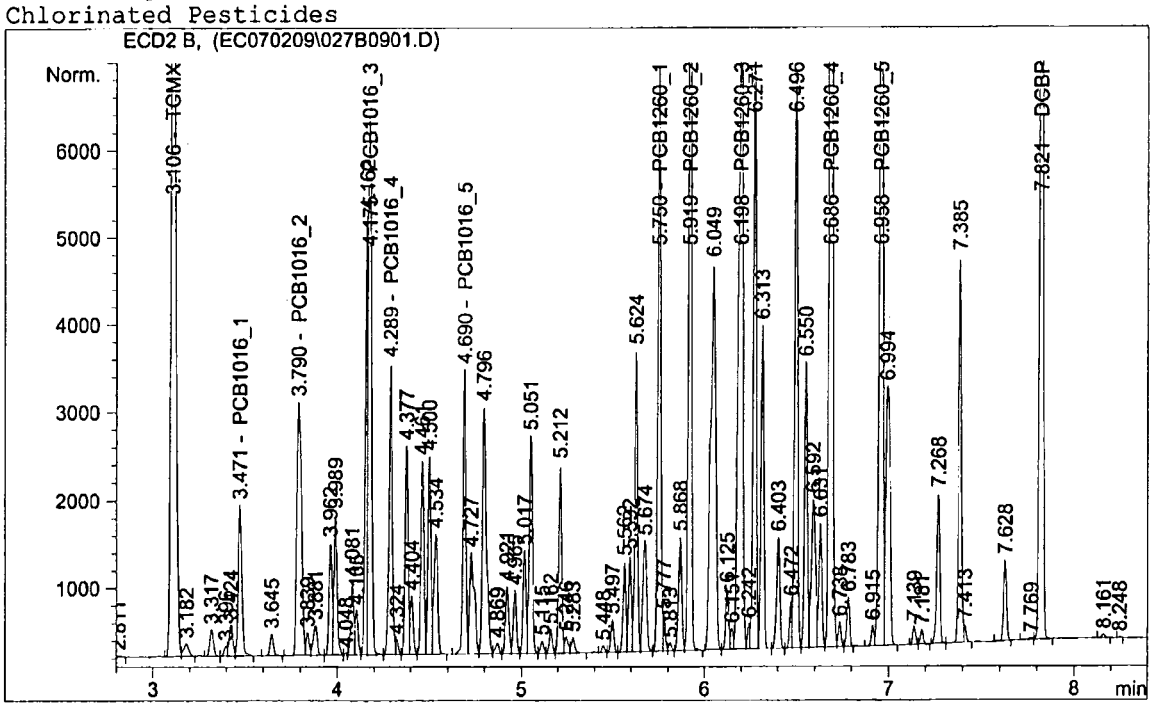
==================================================================
Injection Date  : 7/2/2009 5:28:14 PM          Seq. Line :   9
Sample Name     : cvs-PCB-1000                  Location : Vial 27
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070209\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:11:39 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1.56308e4	6.95503e-3	108.71268		TCMX
3.471	VV	2410.41113	4.50212e-1	1085.19533		PCB1016_1
3.790	BV	4972.42627	2.16728e-1	1077.66232		PCB1016_2
4.175	VV	8118.50977	1.44141e-1	1170.21345		PCB1016_3
4.289	VV	4464.08545	2.39486e-1	1069.08643		PCB1016_4
4.690	VV	3646.40820	2.99435e-1	1091.86302		PCB1016_5
5.750	VV	7234.17529	1.49610e-1	1082.30825		PCB1260_1
5.919	VB	1.01669e4	1.06518e-1	1082.95721		PCB1260_2
6.198	VV	1.26116e4	8.54287e-2	1077.39036		PCB1260_3
6.686	VV	1.96965e4	5.54163e-2	1091.50936		PCB1260_4
6.891		-	-	-		DBC
6.958	VV	1.25174e4	8.59070e-2	1075.33596		PCB1260_5
7.821	VB	1.53168e4	7.00125e-3	107.23697		DCBP

Totals : 1.11195e4

BWS
7-6-09

8082 QC, Blanks Raw Data

SGS North America, Inc.

Paradigm Analytical Laboratories, INC.

4C

8082 METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB14562

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: PB14562 Extraction: (Type) 3541

Matrix: (soil/water) SOIL Date Extracted: 2009-07-02

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID
01	GYD-CS-05-R1	G368-71-2D
02	G368-71-2E MS	G368-71-2E MS
03	G368-71-2F MSD	G368-71-2F MSD
04		
05		
06		
07		
08		
09		
10		
11		
12		
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28		
29		
30		
31		
32		
33		

COMMENTS:

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB14562
Lab Project ID:
Initial Wt/Vol: 32.0 g
Final Volume: 10 mL
ColumnID: STX-CLPest

Analyzed By: BWS
Date Collected:
Date Received:
Date Extracted: 7/2/2009
Matrix: SOIL
%SOLIDS: 100.0
Report Basis: Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	31.2	1.78	1	07/02/09	
Aroclor-1221	BQL	31.2	7.78	1	07/02/09	
Aroclor-1232	BQL	31.2	4.31	1	07/02/09	
Aroclor-1242	BQL	31.2	2.85	1	07/02/09	
Aroclor-1248	BQL	31.2	1.39	1	07/02/09	
Aroclor-1254	BQL	31.2	9.22	1	07/02/09	
Aroclor-1260	BQL	31.2	2.58	1	07/02/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	89.7	89.7
DCBP	100	90.7	90.7

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

```
==================================================================
Injection Date  : 7/2/2009 3:45:50 PM          Seq. Line :   1
Sample Name     : PB14562 x1                    Location : Vial 19
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:45:10 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070209\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
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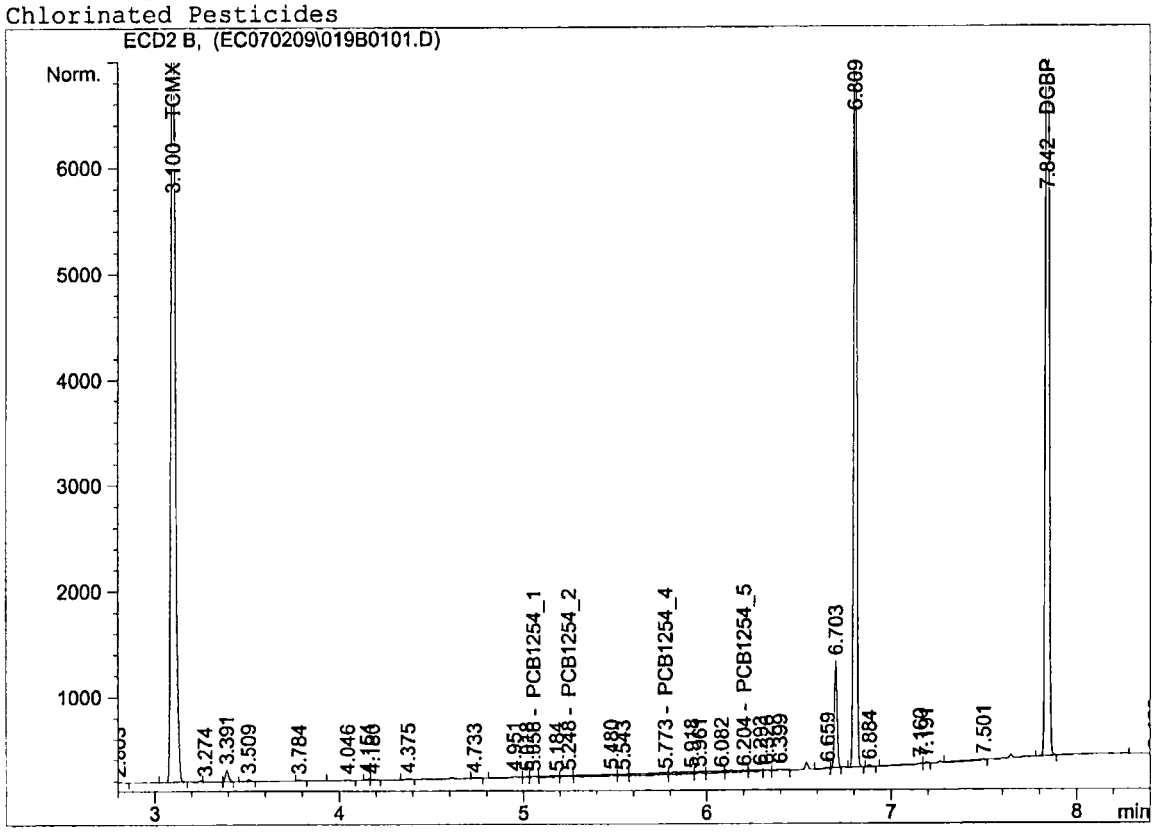


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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	BB	1.24775e4	7.19198e-3	89.73788	✓	TCMX
5.056	VV N	19.78957	8.09953e-1	16.02863		PCB1254_1
5.248	VV N	36.70244	0.00000	0.00000		PCB1254_2
5.601		-	-	-		PCB1254_3
5.773	VV N	205.37224	2.09739e-1	43.07452		PCB1254_4
6.204	VV N	117.60883	1.52463e-1	17.93098		PCB1254_5
6.794		-	-	-		DBC
7.842	VB	1.27061e4	7.13545e-3	90.66348	✓	DCBP

Totals : 257.43549

RJS 7-6-09

SGS North America, Inc.

QC Results for PCBs
by EPA 8082

Client Sample ID: Batch QC
Lab Sample ID: G368-71-2D
MS Lab ID: G368-71-2E
MSD Lab ID: G368-71-2F

Analyzed By: BWS
Matrix: SOIL
Solids: 86.67

Matrix Spike / Matrix Spike Duplicate Summary Results

Analyte	Sample ug/KG	Spiked ug/KG	MS ug/KG	%REC (Limit 40.8-116	Spiked ug/KG	MSD ug/KG	%REC (Limit 40.8-116)	RPD (Limit 24.7)
Aroclor-1254	BQL	360	266	73.9	343	333	97.1	27.1

Surrogate Standards	Spike Added	Result ug/L	REC %		Result ug/L	REC %	Limits
TCMX	100	74.9	74.9		88.4	88.4	40 - 120
DCBP	100	84.8	84.8		86.2	86	40 - 120

Sample Preparation and Analysis Summary

Sample Analysis Date/Time: 7/2/09 16:11
Batch/Filename: 021B0301.D 021B0301.D
MS Analysis Date/Time: 7/2/09 16:37
MS Batch/Filename: EC070209 023B0501.D
MSD Analysis Date/Time: 7/2/09 16:49
MSD Batch/Filename: EC070209 024B0601.D

Prep Batch ID: 14562
Extraction Date: 07/02/09
Prep method: 3541
Sample Initial Amount: 33.91 G
MS Initial Amount: 32.06 G
MSD Initial Amount: 33.67 G
Final Extract Volume: 10.0 ML

Laboratory Control Spike Summary Results

Analyte	Spiked ug/KG	Result ug/KG	REC %	Limits Lower	Limits Upper
Aroclor-1254	313	332	106	75	107

Surrogate Standards	Spike Added	Result ug/L	REC %	Limits Lower	Limits Upper
TCMX	100	93.7	93.7	40	120
DCBP	100	94.8	94.8	40	120

Preparation and Analysis Summary

LCS Labid: LCS14562
LCS Analyst: BWS
Analysis Date/Time: 7/2/09 15:58
Filename: 020B0201.D
Analytical Batch: EC070209

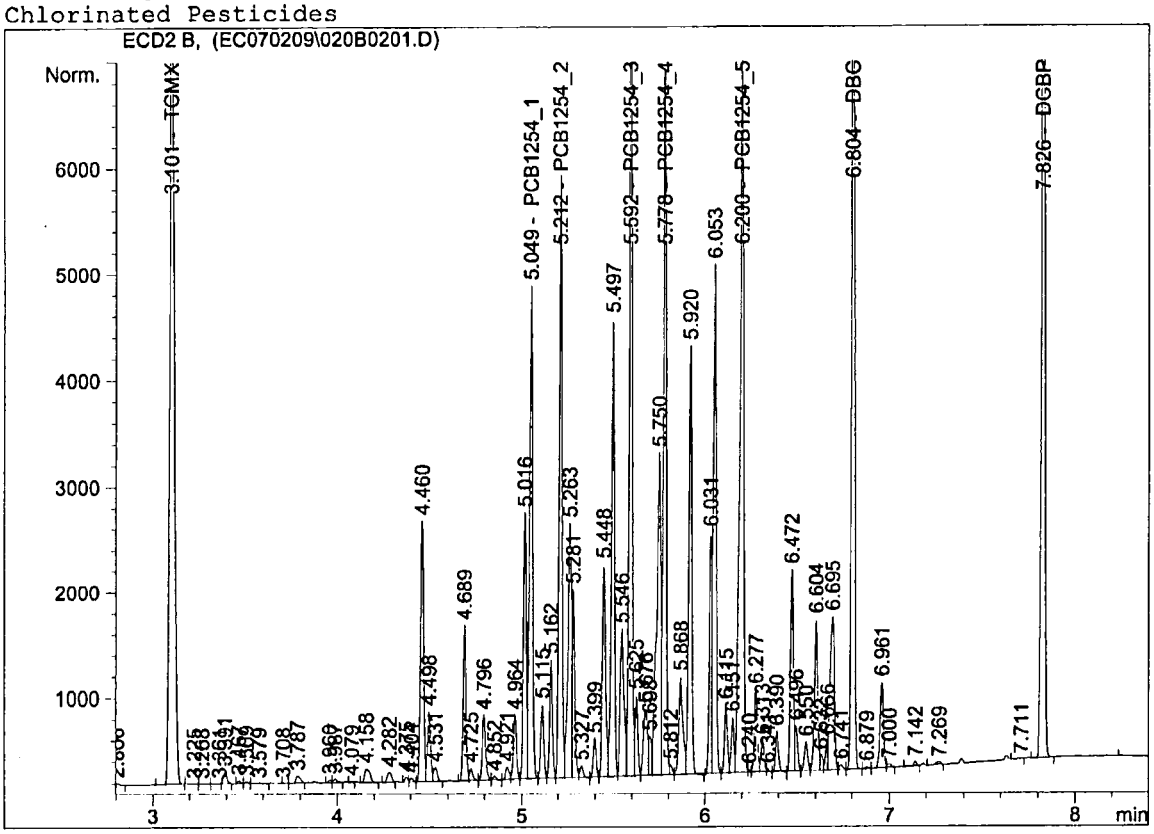
Prep Batch ID: 14562
Extraction Date: 07/02/09
Prep method: 3541
Initial Weight / Volume: 32.0 G
Final Extract Volume: 10.0 ML

Comments:

= Outside Control Limits

Reviewed by: CW

```
==================================================================
Injection Date  : 7/2/2009 3:58:34 PM          Seq. Line :   2
Sample Name     : LCS14562 x1                   Location : Vial 20
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070209\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.101	BB	1.30501e4	7.18280e-3	93.73654		TCMX
5.049	VV	5426.57373	1.88640e-1	1023.66985		PCB1254_1
5.212	VV	6296.32813	1.78696e-1	1125.12601		PCB1254_2
5.592	VV	9208.98730	1.12084e-1	1032.17941		PCB1254_3
5.778	VV	7419.66748	1.39634e-1	1036.03750		PCB1254_4
6.200	VV	9669.23437	1.12958e-1	1092.21661		PCB1254_5
6.804	VBA	9532.57422	0.00000	0.00000		DBC
7.826	VB	1.32940e4	7.12763e-3	94.75473		DCBP

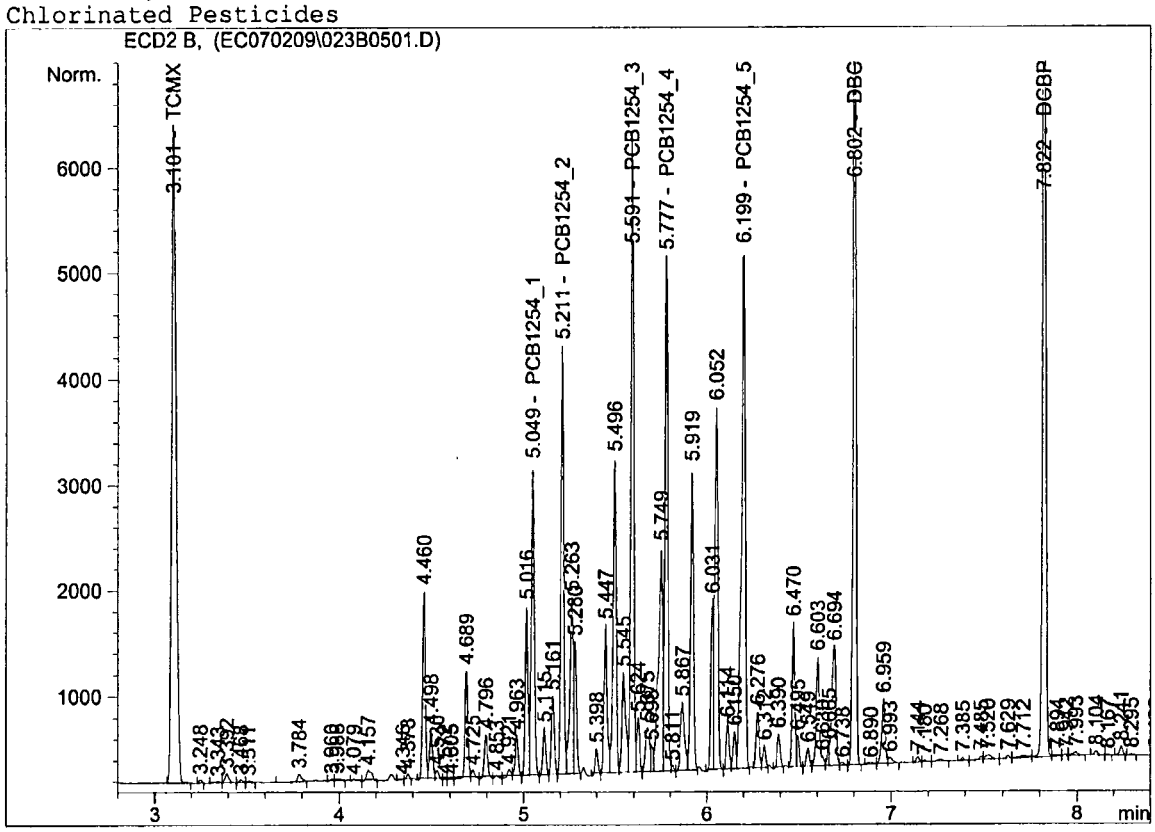
Totals : 5497.72064

BWS 7-6-09

331.827

Injection Date : 7/2/2009 4:37:01 PM Seq. Line : 5
Sample Name : 629692 MS x1 Location : Vial 23
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070209\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

G368-71-2E
MS



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.101	PP	1.03576e4	7.23481e-3	74.93513		TCMX
5.049	VV	3434.13403	1.89960e-1	652.34666		PCB1254_1
5.211	VV	4407.03564	1.77674e-1	783.01418		PCB1254_2
5.591	VV	6443.58203	1.13068e-1	728.56596		PCB1254_3
5.777	VV	5325.10254	1.40419e-1	747.74524		PCB1254_4
6.199	VV	6949.52393	1.13148e-1	786.32670		PCB1254_5
6.802	VV	8296.03027	0.00000	0.00000		DBC
7.822	VV	1.18581e4	7.14809e-3	84.76275		DCBP

Totals : 3857.69662

2646.19

BWS
7.6.09

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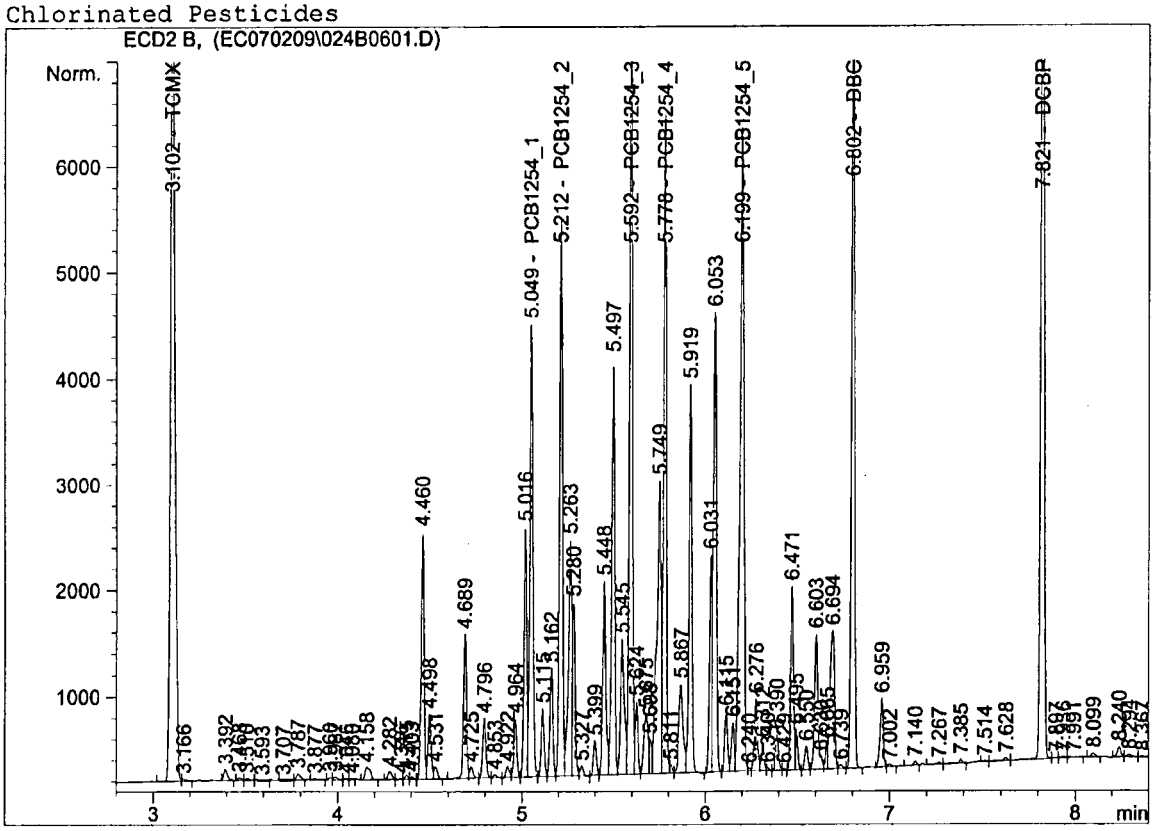
Injection Date : 7/2/2009 4:49:57 PM Seq. Line : 6
Sample Name : 629693 MSD x1 Location : Vial 24
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070209\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

G368-71-2F
MSD



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

333.289

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.102	BV	1.22912e4	7.19516e-3	88.43680		TCMX
5.049	VV	5026.87646	1.88821e-1	949.17983		PCB1254_1
5.212	VV	5802.55664	1.78493e-1	1035.71419		PCB1254_2
5.592	VV	8437.42480	1.12294e-1	947.46967		PCB1254_3
5.778	VV	6786.88770	1.39820e-1	948.94279		PCB1254_4
6.199	VV	8686.42578	1.13013e-1	981.67865		PCB1254_5
6.802	VBA	8972.09570	0.00000	0.00000		DBC
7.821	VV	1.20622e4	7.14489e-3	86.18326		DCBP

Totals : 5037.60520

BWS
7-6-09

SGS North America, Inc.

Paradigm Analytical Laboratories, INC.

II

SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	S1 (TCMX) #	S2 (DCBP) #	QC LIMITS	TOT OUT
01	GYD-CS-05-R1	G368-71-2D	79.8	78.8	40 - 140	
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
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36						
37						
38						
39						
40						

S1 (TCMX) = Tetrachloro-m-xylene
S2 (DBCP) = Decachlorobiphenyl

8082 Sample Raw Data

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-05-R1	Analyzed By:	BWS
Client Project ID:	Goodyear Dump Site	Date Collected:	7/1/2009 16:12
Lab Sample ID:	G368-71-2D	Date Received:	7/2/2009
Lab Project ID:	G368-71	Date Extracted:	7/2/2009
Initial Wt/Vol:	33.91 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	86.7
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	34.0	1.94	1	07/02/09	
Aroclor-1221	BQL	34.0	8.47	1	07/02/09	
Aroclor-1232	BQL	34.0	4.70	1	07/02/09	
Aroclor-1242	BQL	34.0	3.10	1	07/02/09	
Aroclor-1248	BQL	34.0	1.51	1	07/02/09	
Aroclor-1254	BQL	34.0	10.0	1	07/02/09	
Aroclor-1260	BQL	34.0	2.81	1	07/02/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	79.8	79.8
DCBP	100	78.8	78.8

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

SGS North America, Inc.

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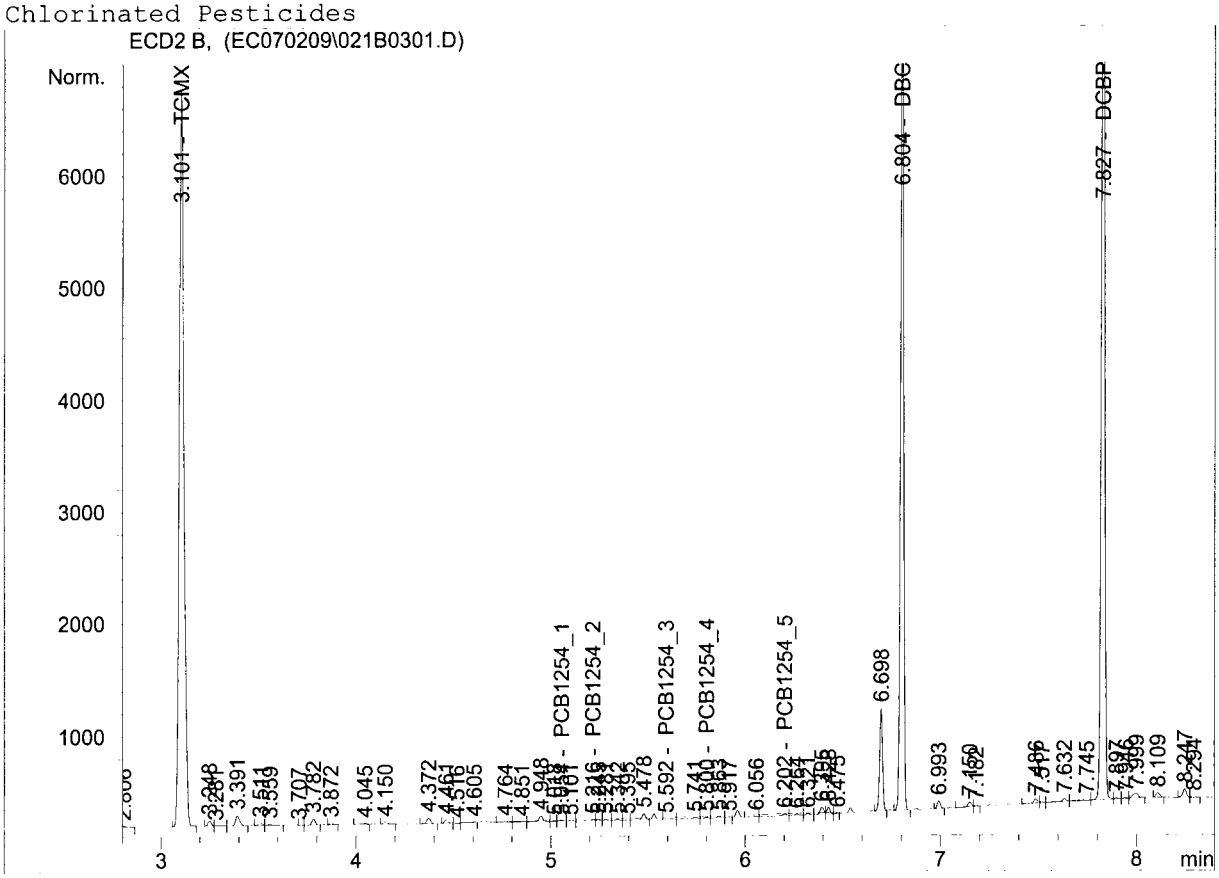
==================================================================
Injection Date  : 7/2/2009 4:11:21 PM          Seq. Line :   3
Sample Name     : G368-71-2D x1                 Location : Vial 21
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC070209\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.101	VB	1.10583e4	7.21884e-3	79.82794	✓	TCMX
5.054	VV N	25.24208	6.75253e-1	17.04480		PCB1254_1
5.216	VV N	63.71623	0.00000	0.00000		PCB1254_2
5.592	VV N	69.65686	4.13077e-1	28.77362		PCB1254_3
5.800	VV N	46.48891	4.56154e-1	21.20609		PCB1254_4
6.202	VV N	144.27049	1.45072e-1	20.92966		PCB1254_5
6.804	VB	8062.88525	0.00000	0.00000		DBC
7.827	VV	1.09953e4	7.16296e-3	78.75867	✓	DCBP

Totals : 246.54078

7-6-09

Results for Metals

Client Sample ID:	GYD-CS-03			Analyzed By:	PSW
Client Project ID:	Goodyear Dump Site			Date Collected:	7/1/2009 13:46
Lab Sample ID:	G368-71-1			Date Received:	7/2/2009
Lab Project ID:	G368-71			Matrix:	SOIL
ICP InitWt/Vol:	0.53 g	Final Vol:	50 mL	Solids	84.71
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14560				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**10.9**	1.11	0.689	1	MG/KG	6010B	7/2/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

Results for Metals

Client Sample ID:	GYD-CS-05-R1			Analyzed By:	PSW
Client Project ID:	Goodyear Dump Site			Date Collected:	7/1/2009 16:12
Lab Sample ID:	G368-71-2			Date Received:	7/2/2009
Lab Project ID:	G368-71			Matrix:	SOIL
ICP InitWt/Vol:	0.57 g	Final Vol:	50 mL	Solids	86.67
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14560				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**4.02**	1.01	0.626	1	MG/KG	6010B	7/2/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

Results for Metals

Client Sample ID:	GYD-CS-06			Analyzed By:	PSW
Client Project ID:	Goodyear Dump Site			Date Collected:	7/1/2009 17:04
Lab Sample ID:	G368-71-3			Date Received:	7/2/2009
Lab Project ID:	G368-71			Matrix:	SOIL
ICP InitWt/Vol:	0.55 g	Final Vol:	50 mL	Solids	78.48
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14560				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**336**	11.6	7.17	10	MG/KG	6010B	7/6/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

SGS North America, Inc.

2A

INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 070209c OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	1016	101.6	2500	2545	101.8	2500	2579	103.2	90-110
Antimony	1000			500			500			90-110
Arsenic	1000	1065	106.5	500	528	105.7	500	533	106.6	90-110
Barium	1000	1008	100.8	2500	2654	106.2	2500	2594	103.7	90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000	1020	102.0	500	527	105.4	500	530	105.9	90-110
Calcium	1000	992	99.2	2500	2567	102.7	2500	2560	102.4	90-110
Chromium	1000	1031	103.1	500	517	103.4	500	522	104.4	90-110
Cobalt	1000			500			500			90-110
Copper	1000	962	96.2	500	490	98.0	500	504	100.8	90-110
Iron	1000	1057	105.7	2500	2635	105.4	2500	2616	104.6	90-110
Lead	1000	1039	103.9	500	520	104.1	500	524	104.9	90-110
Magnesium	1000	1028	102.8	2500	2545	101.8	2500	2505	100.2	90-110
Manganese	1000	1031	103.1	500	502	100.4	500	509	101.8	90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000	1036	103.6	500	528	105.6	500	529	105.8	90-110
Silver	500	487	97.4	500	487	97.4	500	502	100.4	90-110
Sodium	1000			2500			2500			90-110
Thallium	1000	1038	103.8	500	503	100.6	500	510	102.0	90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

SGS North America, Inc.

2A

INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 070209c OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV (4)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	1016	101.6	2500	2604	104.2	2500	2673	106.9	90-110
Antimony	1000			500			500			90-110
Arsenic	1000	1065	106.5	500	532	106.4	500	537	107.5	90-110
Barium	1000	1008	100.8	2500	2631	105.3	2500	2650	106.0	90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000	1020	102.0	500	527	105.4	500	536	107.3	90-110
Calcium	1000	992	99.2	2500	2619	104.8	2500	2583	103.3	90-110
Chromium	1000	1031	103.1	500	528	105.7	500	531	106.1	90-110
Cobalt	1000			500			500			90-110
Copper	1000	962	96.2	500	498	99.6	500	497	99.4	90-110
Iron	1000	1057	105.7	2500	2568	102.7	2500	2651	106.1	90-110
Lead	1000	1039	103.9	500	527	105.3	500	532	106.4	90-110
Magnesium	1000	1028	102.8	2500	2573	102.9	2500	2614	104.6	90-110
Manganese	1000	1031	103.1	500	523	104.6	500	519	103.8	90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000	1036	103.6	500	530	106.1	500	541	108.2	90-110
Silver	500	487	97.4	500	500	99.9	500	509	101.8	90-110
Sodium	1000			2500			2500			90-110
Thallium	1000	1038	103.8	500	510	102.0	500	514	102.8	90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

SGS North America, Inc.

2A

INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 070209c OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (5)			CCV ( )			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	1016	101.6	2500	2667	106.7	2500			90-110
Antimony	1000			500			500			90-110
Arsenic	1000	1065	106.5	500	539	107.8	500			90-110
Barium	1000	1008	100.8	2500	2639	105.6	2500			90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000	1020	102.0	500	534	106.7	500			90-110
Calcium	1000	992	99.2	2500	2591	103.6	2500			90-110
Chromium	1000	1031	103.1	500	533	106.5	500			90-110
Cobalt	1000			500			500			90-110
Copper	1000	962	96.2	500	500	100.1	500			90-110
Iron	1000	1057	105.7	2500	2673	106.9	2500			90-110
Lead	1000	1039	103.9	500	539	107.8	500			90-110
Magnesium	1000	1028	102.8	2500	2654	106.2	2500			90-110
Manganese	1000	1031	103.1	500	519	103.7	500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000	1036	103.6	500	542	108.3	500			90-110
Silver	500	487	97.4	500	500	100.1	500			90-110
Sodium	1000			2500			2500			90-110
Thallium	1000	1038	103.8	500	521	104.2	500			90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

SGS North America, Inc.

2A

INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 070609a OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	1055	105.5	2500	2353	94.1	2500	2437	97.5	90-110
Antimony	1000			500			500			90-110
Arsenic	1000	1067	106.7	500	483	96.6	500	502	100.3	90-110
Barium	1000			2500			2500			90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000			500			500			90-110
Calcium	1000	1014	101.4	2500	2292	91.7	2500	2415	96.6	90-110
Chromium	1000	1051	105.1	500	475	95.0	500	489	97.7	90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	1059	105.9	2500	2454	98.1	2500	2538	101.5	90-110
Lead	1000	1033	103.3	500	473	94.6	500	482	96.4	90-110
Magnesium	1000	1008	100.8	2500	2400	96.0	2500	2461	98.4	90-110
Manganese	1000			500			500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000			500			500			90-110
Silver	500	488	97.6	500	465	93.0	500	478	95.5	90-110
Sodium	1000			2500			2500			90-110
Thallium	1000			500			500			90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

SGS North America, Inc.

2A

INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 070609a OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV (4)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	1000	1055	105.5	2500	2357	94.3	2500	2371	94.8	90-110
Antimony	1000			500			500			90-110
Arsenic	1000	1067	106.7	500	493	98.7	500	498	99.6	90-110
Barium	1000			2500			2500			90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000			500			500			90-110
Calcium	1000	1014	101.4	2500	2339	93.5	2500	2372	94.9	90-110
Chromium	1000	1051	105.1	500	477	95.4	500	482	96.4	90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	1059	105.9	2500	2397	95.9	2500	2456	98.2	90-110
Lead	1000	1033	103.3	500	475	95.0	500	470	94.1	90-110
Magnesium	1000	1008	100.8	2500	2371	94.8	2500	2365	94.6	90-110
Manganese	1000			500			500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000			500			500			90-110
Silver	500	488	97.6	500	467	93.4	500	467	93.5	90-110
Sodium	1000			2500			2500			90-110
Thallium	1000			500			500			90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

SGS North America, Inc.
Form 2B
CRDL

Lab Name: SGS Environmental Services

Batch ID: 070209c

Concentration Units: ug/L

Analyte	Initial			QC Limit Range
	True	Found	%R	
Aluminum	100	106	106	50-150
Antimony	40.0			50-150
Arsenic	10.0	9.91	99.1	50-150
Barium	100	98.2	98.2	50-150
Beryllium	10.0			50-150
Boron	10.0			50-150
Cadmium	5.00	3.37	67.4	50-150
Calcium	100	169	169*	50-150
Chromium	10.0	10.5	105	50-150
Cobalt	10.0			50-150
Copper	10.0	15.2	152*	50-150
Iron	100	89.9	89.9	50-150
Lead	10.0	9.17	91.7	50-150
Magnesium	100	109	109	50-150
Manganese	10.0	11.1	111	50-150
Molybdenum	10.0			50-150
Nickel	10.0			50-150
Potassium	200			50-150
Selenium	20.0	20.5	103	50-150
Silver	10.0	12.6	126	50-150
Sodium	200			50-150
Thallium	10.0	10.4	104	50-150
Tin	10.0			50-150
Vanadium	50.0			50-150
Zinc	20.0			50-150

SGS North America, Inc.
Form 2B
CRDL

Lab Name: SGS Environmental Services

Batch ID: 070609a

Concentration Units: ug/L

Analyte	Initial			QC Limit Range
	True	Found	%R	
Aluminum	100	117	117	50-150
Antimony	40.0			50-150
Arsenic	10.0	12.8	128	50-150
Barium	100			50-150
Beryllium	10.0			50-150
Boron	10.0			50-150
Cadmium	5.00			50-150
Calcium	100	176	176*	50-150
Chromium	10.0	11.2	112	50-150
Cobalt	10.0			50-150
Copper	10.0			50-150
Iron	100	97.7	97.7	50-150
Lead	10.0	11.2	112	50-150
Magnesium	100	119	119	50-150
Manganese	10.0			50-150
Molybdenum	10.0			50-150
Nickel	10.0			50-150
Potassium	200			50-150
Selenium	20.0			50-150
Silver	10.0	15.0	150	50-150
Sodium	200			50-150
Thallium	10.0			50-150
Tin	10.0			50-150
Vanadium	50.0			50-150
Zinc	20.0			50-150

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 070209c OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C	4	C		
Aluminum	100	U	100	U	100	U	100	U		
Antimony										
Arsenic	10	U	10	U	10	U	10	U		
Barium	100	U	100	U	100	U	100	U		
Beryllium										
Boron										
Cadmium	10	U	10	U	10	U	10	U		
Calcium	100	U	100	U	100	U	100	U		
Chromium	10	U	10	U	10	U	10	U		
Cobalt										
Copper	10	U	10	U	10	U	10	U		
Iron	100	U	100	U	100	U	100	U		
Lead	10	U	10	U	10	U	10	U		
Magnesium	100	U	100	U	100	U	100	U		
Manganese	10	U	10	U	10	U	10	U		
Molybdenum										
Mercury										
Nickel										
Potassium										
Selenium	20	U	20	U	20	U	20	U		
Silver	10	U	10	U	10	U	10	U		
Sodium										
Thallium	10	U	10	U	10	U	10	U		
Tin										
Vanadium										
Zinc										

Comments:

FORM III - METALS

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 070209c OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	5	C		C		C		
Aluminum	100	U	100	U						
Antimony										
Arsenic	10	U	10	U						
Barium	100	U	100	U						
Beryllium										
Boron										
Cadmium	10	U	10	U						
Calcium	100	U	100	U						
Chromium	10	U	10	U						
Cobalt										
Copper	10	U	10	U						
Iron	100	U	100	U						
Lead	10	U	10	U						
Magnesium	100	U	100	U						
Manganese	10	U	10	U						
Molybdenum										
Mercury										
Nickel										
Potassium										
Selenium	20	U	20	U						
Silver	10	U	10	U						
Sodium										
Thallium	10	U	10	U						
Tin										
Vanadium										
Zinc										

Comments:

FORM III - METALS

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 070609a OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C	4	C		
Aluminum	100	U	100	U	100	U	100	U		
Antimony										
Arsenic	10	U	10	U	10	U	10	U		
Barium										
Beryllium										
Boron										
Cadmium										
Calcium	100	U	100	U	100	U	100	U		
Chromium	10	U	10	U	10	U	10	U		
Cobalt										
Copper										
Iron	100	U	100	U	100	U	100	U		
Lead	10	U	10	U	10	U	10	U		
Magnesium	100	U	100	U	100	U	100	U		
Manganese										
Molybdenum										
Mercury										
Nickel										
Potassium										
Selenium										
Silver	10	U	10	U	10	U	10	U		
Sodium										
Thallium										
Tin										
Vanadium										
Zinc										

Comments:

FORM III - METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SGS Environmental Services ICS Source: Environmental Express

Batch ID: 070209c ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R	QC Limit Range %
Aluminum	100000	100000	100700	100651	100.7	104951	103405	103.4	80 - 120
Antimony	0	300	0	0	0*	0	0	0*	80 - 120
Arsenic	0	300	5.01	313.22	104.4	-5.64	307.71	102.6	80 - 120
Barium	0	1000	-6.16	994.87	99.5	-5.43	1019.84	102.0	80 - 120
Beryllium	0	300	0	0	0*	0	0	0*	80 - 120
Cadmium	0	300	-3.92	287.28	95.8	-3.93	298.2	99.4	80 - 120
Calcium	40000	40000	40438.6	41582.6	104.0	42489.5	41729.3	104.3	80 - 120
Chromium	0	300	2.84	295.48	98.5	2.75	312.25	104.1	80 - 120
Cobalt	0	300	0	0	0*	0	0	0*	80 - 120
Copper	0	300	6.84	297.68	99.2	7.21	305.89	102.0	80 - 120
Iron	100000	100000	102154	100762	100.8	106696	104967	105.0	80 - 120
Lead	0	300	-0.83	289.14	96.4	0.46	302.64	100.9	80 - 120
Magnesium	40000	40000	39463.8	38898.4	97.2	40414.4	39161.2	97.9	80 - 120
Manganese	0	300	-1	294.03	98.0	-0.99	294.66	98.2	80 - 120
Nickel	0	300	0	0	0*	0	0	0*	80 - 120
Potassium	0	0	0	0	n/a	0	0	n/a	80 - 120
Selenium	0	300	24.41	326.94	109.0	25.65	345.1	115.0	80 - 120
Silver	0	300	3.14	285.8	95.3	3.43	298.15	99.4	80 - 120
Sodium	0	0	0	0	n/a	0	0	n/a	80 - 120
Thallium	0	300	1.44	304.56	101.5	6.46	303.54	101.2	80 - 120
Vanadium	0	300	0	0	0*	0	0	0*	80 - 120
Zinc	0	300	0	0	0*	0	0	0*	80 - 120

FORM IV - METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SGS Environmental Services ICS Source: Environmental Express

Batch ID: 070609a ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R	QC Limit Range %
Aluminum	100000	100000	101649	94610.7	94.6	102144	95230.2	95.2	80 - 120
Antimony	0	300	0	0	0*	0	0	0*	80 - 120
Arsenic	0	300	10.94	301.64	100.5	4.41	297.48	99.2	80 - 120
Barium	0	1000	0	0	0*	0	0	0*	80 - 120
Beryllium	0	300	0	0	0*	0	0	0*	80 - 120
Cadmium	0	300	0	0	0*	0	0	0*	80 - 120
Calcium	40000	40000	40897.4	37911.1	94.8	41412.9	38284.3	95.7	80 - 120
Chromium	0	300	4.37	279.06	93.0	4.13	284.64	94.9	80 - 120
Cobalt	0	300	0	0	0*	0	0	0*	80 - 120
Copper	0	300	0	0	0*	0	0	0*	80 - 120
Iron	100000	100000	104992	96049.8	96.0	104782	97885	97.9	80 - 120
Lead	0	300	4.57	270.97	90.3	3.56	275.78	91.9	80 - 120
Magnesium	40000	40000	39824.9	37427	93.6	39664.8	36785.5	92.0	80 - 120
Manganese	0	300	0	0	0*	0	0	0*	80 - 120
Nickel	0	300	0	0	0*	0	0	0*	80 - 120
Potassium	0	0	0	0	n/a	0	0	n/a	80 - 120
Selenium	0	300	0	0	0*	0	0	0*	80 - 120
Silver	0	300	5.8	273.34	91.1	6.1	273.57	91.2	80 - 120
Sodium	0	0	0	0	n/a	0	0	n/a	80 - 120
Thallium	0	300	0	0	0*	0	0	0*	80 - 120
Vanadium	0	300	0	0	0*	0	0	0*	80 - 120
Zinc	0	300	0	0	0*	0	0	0*	80 - 120

FORM IV - METALS

Results for Metals

Client Sample ID:	Lab Blank			Analyzed By:	PSW
Client Project ID:				Date Collected:	
Lab Sample ID:	pb14560			Date Received:	
Lab Project ID:				Matrix:	SOIL
ICP InitWt/Vol:	0.58 g	Final Vol:	50 mL	Solids	100.00
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14560				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	0.862	0.534	1	MG/KG	6010B	7/2/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

SGS North America, Inc.

MS/MSD Results for METALS

Lab ID: G368-71-1
MS Lab ID: G368-71-1
MSD Lab ID: G368-71-1
ICP Batch: 14560
HG Batch:
Other:

Analyzed By: PSW
Matrix: Soil
Units: MG/KG
Solids: 84.71

Analyte	Sample Result	SA MS	MS Result	MS %REC		SA MSD	MSD Result	MSD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	10.9	45.4	54.5	96.0		41.4	49.0	92.0		75	125	10.6		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

METALS Results for LCS/LCD

ICP Batch: 14560
HG Batch:
Other:

Matrix: SOIL
Units: MG/KG

Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	36.4	35.9	98.6		36.3	99.7		80	120	1.11		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

SGS North America, Inc.

10 - MOD
Instrument Detection Limits

Lab Name: SGS Environmental Services

Instrument ID: ICP Date: 09/04/08

Analyte	Wavelength (nm)	CRDL ug/L	IDL ug/L	Method
Aluminum	308.214	100	59.3	6010B
Antimony	206.833	60	2.98	6010B
Arsenic	188.978	10	4.87	6010B
Barium	233.523	100	1.82	6010B
Beryllium	313.100	10	7.12	6010B
Cadmium	214.437	10	0.819	6010B
Calcium	317.931	100	8.44	6010B
Chromium	267.708	10	1.32	6010B
Cobalt	228.615	10	2.22	6010B
Copper	324.754	10	0.762	6010B
Iron	259.936	100	47.8	6010B
Lead	220.352	10	4.74	6010B
Magnesium	279.073	100	35.4	6010B
Manganese	257.609	10	0.725	6010B
Mercury	253.700	0.2		7470
Nickel	231.602	10	3.72	6010B
Potassium	766.429	100	18.1	6010B
Selenium	196.028	20	5.72	6010B
Silver	328.071	10	0.525	6010B
Sodium	589.550	200	5.79	6010B
Thallium	190.796	10	9.18	6010B
Vanadium	292.399	50	4.04	6010B
Zinc	213.859	20	1.74	6010B

FORM X - METALS

Prep Report for Batch 14560 (METALS/3050/SOIL) on 2009-07-02 by psw

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time	Balance
G368-71-1C (629416)		0.53			50	R-1680	R-1684		HB2 95	1200	PB3002-SB
G368-71-1D (629417)	ms	0.52	0623-752	.5	50	R-1680	R-1684		HB2 95	1200	PB3002-SB
G368-71-1E (629418)	msd	0.57	0623-752	.5	50	R-1680	R-1684		HB2 95	1200	PB3002-SB
G368-71-2C (629419)		0.57			50	R-1680	R-1684		HB2 95	1200	PB3002-SB
G368-71-3C (629420)		0.55			50	R-1680	R-1684		HB2 95	1200	PB3002-SB
G368-71-3D (629421)	dup	0.52			50	R-1680	R-1684		HB2 95	1200	PB3002-SB
lcd14560	lcd	0.54	0623-752	.5	50	R-1680	R-1684		HB2 95	1200	PB3002-SB
lcs14560	lcs	0.55	0623-752	.5	50	R-1680	R-1684		HB2 95	1200	PB3002-SB
pb14560	pb	0.58			50	R-1680	R-1684		HB2 95	1200	PB3002-SB

SGS North America, Inc.

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 070209c

Case No: G368-71

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/2/2009 End Date: 7/2/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
1	CalBlank	1	16:53		X	X		X	X		X	X		X	X	X				
2	Std3-	1	16:58		X	X		X	X		X	X		X						
3	Std4-	1	17:02																	
4	Std5-	1	17:05												X	X				
5	Std2-	1	17:07		X	X		X	X		X	X		X	X	X				
6	Std1-	1	17:12		X	X		X	X		X	X		X	X	X				
7	icv	1	17:17		X	X		X	X		X	X		X	X	X				
8	icsA1	1	17:22		X	X		X	X		X	X		X	X	X				
9	icsB1	1	17:27		X	X		X	X		X	X		X	X	X				
10	lowstd	1	17:32		X	X		X	X		X	X		X	X	X				
11	ccv1	1	17:37		X	X		X	X		X	X		X	X	X				
12	ccb1	1	17:42		X	X		X	X		X	X		X	X	X				
13	pb14560	1	17:47		X	X		X	X		X	X		X	X	X				
14	lcs14560	1	17:52		X	X		X	X		X	X		X	X	X				
15	lcd14560	1	17:57		X	X		X	X		X	X		X	X	X				
16	**GYD-CS-03**	1	18:01		X	X		X	X		X	X		X	X	X				
17	**GYD-CS-03**	1	18:06		X	X		X	X		X	X		X	X	X				
18	**GYD-CS-03**	1	18:11		X	X		X	X		X	X		X	X	X				
19	**GYD-CS-05-R1**	1	18:16		X	X		X	X		X	X		X	X	X				
20	**GYD-CS-06**	1	18:21		X	X		X	X					X	X	X				
21	**GYD-CS-06**	1	18:26		X	X		X	X		X	X		X	X	X				
22	**GYD-CS-06**	5	18:31		X	X		X	X		X	X		X	X	X				
23	ccv2	1	18:36		X	X		X	X		X	X		X	X	X				
24	ccb2	1	18:41		X	X		X	X		X	X		X	X	X				
25	pb14555	1	18:46		X	X		X	X		X	X		X	X	X				
26	lcs14555	1	18:51		X	X		X	X		X	X		X	X	X				
27	lcd14555	1	18:56		X	X		X	X		X	X		X	X	X				
28	G128-2399-2B	1	19:01		X	X		X	X		X	X		X	X	X				
29	G128-2399-2C	1	19:06		X	X		X	X		X	X		X	X	X				
30	G128-2399-2D	1	19:11		X	X		X	X		X	X		X	X	X				
31	G128-2398-2B	1	19:16		X	X		X	X		X	X		X	X	X				
32	G128-2400-2B	1	19:21		X	X		X	X		X	X		X	X	X				
33	G128-2401-2B	1	19:25		X	X		X	X		X	X		X	X	X				
34	G128-2401-2C	1	19:30		X	X		X	X		X	X		X	X	X				
35	ccv3	1	19:35		X	X		X	X		X	X		X	X	X				

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 070209c

Case No: G368-71

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/2/2009 End Date: 7/2/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
36	ccb3	1	19:40		X	X		X	X		X	X		X	X	X				
37	tblk063009a	1	19:45		X	X		X	X		X	X		X	X	X				
38	G368-69-1B	10	19:50		X	X		X	X		X	X		X	X	X				
39	G368-69-1C	10	19:55		X	X		X	X		X	X		X	X	X				
40	G368-69-1D	10	20:00		X	X		X	X		X	X		X	X	X				
41	G1013-3-2B	10	20:05		X	X		X	X		X	X		X	X	X				
42	pb14543	1	20:10		X	X		X	X		X	X		X	X	X				
43	lcs14543	1	20:15		X	X		X	X		X	X		X	X	X				
44	lcd14543	1	20:20		X	X		X	X		X	X		X	X	X				
45	G563-302-1K	1	20:25		X	X		X	X		X	X		X	X	X				
46	G563-302-1L	1	20:30		X	X		X	X		X	X		X	X	X				
47	ccv4	1	20:35		X	X		X	X		X	X		X	X	X				
48	ccb4	1	20:40		X	X		X	X		X	X		X	X	X				
49	G563-302-1M	1	20:45		X	X		X	X		X	X		X	X	X				
50	G563-302-1N	1	20:49		X	X		X	X		X	X		X	X	X				
51	G563-302-2M	1	20:54		X	X		X	X		X	X		X	X	X				
52	icsA2	1	20:59		X	X		X	X		X	X		X	X	X				
53	icsB2	1	21:04		X	X		X	X		X	X		X	X	X				
54	ccv5	1	21:09		X	X		X	X		X	X		X	X	X				
55	ccb5	1	21:14		X	X		X	X		X	X		X	X	X				

SGS North America, Inc.

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 070609a

Case No: G368-71

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/6/2009 End Date: 7/6/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
1	CalBlank	1	09:37		X				X			X			X					
2	Std3-	1	09:42		X				X			X								
3	Std4-	1	09:44																	
4	Std5-	1	09:47												X					
5	Std2-	1	09:49		X				X			X			X					
6	Std1-	1	09:53		X				X			X			X					
7	icv	1	09:57		X				X			X			X					
8	icsA1	1	10:01		X				X			X			X					
9	icsB1	1	10:04		X				X			X			X					
10	lowstd	1	10:08		X				X			X			X					
11	ccv1	1	10:12		X				X			X			X					
12	ccb1	1	10:15		X				X			X			X					
13	**GYD-CS-06**	10	10:19		X				X			X			X					
14	G943-232-18B	1	10:23		X				X			X			X					
15	G814-68-1C	1	10:27		X				X			X			X					
16	G814-68-2C	1	10:30		X				X			X			X					
17	G814-68-3C	1	10:34		X				X			X			X					
18	G814-68-4C	1	10:38		X				X			X			X					
19	G814-68-5C	1	10:42		X				X			X			X					
20	G814-68-6B	1	10:45		X				X			X			X					
21	G814-68-7B	1	10:49		X				X			X			X					
22	G814-68-8B	1	10:53		X				X			X			X					
23	ccv2	1	10:56		X				X			X			X					
24	ccb2	1	11:00		X				X			X			X					
25	G814-68-9B	1	11:04		X				X			X			X					
26	G814-68-10B	1	11:07		X				X			X			X					
27	G814-69-1C	1	11:11		X				X			X			X					
28	G814-69-2C	1	11:15		X				X			X			X					
29	G814-69-3C	1	11:19		X				X			X			X					
30	G814-69-4C	1	11:22		X				X			X			X					
31	G814-69-5B	1	11:26		X				X			X			X					
32	G814-69-6B	1	11:30		X				X			X			X					
33	G814-69-7B	1	11:34		X				X			X			X					
34	G814-69-8B	1	11:37		X				X			X			X					
35	ccv3	1	11:41		X				X			X			X					

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 070609a

Case No: G368-71

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/6/2009 End Date: 7/6/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
36	ccb3	1	11:45		X				X			X			X					
37	fblk062909	1	11:48		X				X			X			X					
38	G814-69-8B	5	11:52		X				X			X			X					
39	icsA2	1	11:56		X				X			X			X					
40	icsB2	1	11:59		X				X			X			X					
41	ccv4	1	12:03		X				X			X			X					
42	ccb4	1	12:07		X				X			X			X					

Analytical Sequence

Method : TALmethod_new

SGS North America, Inc.

RSM

0 70709c

Seq.	Loc.	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3- High	Applied
3	5	Std4- High 05S06 3009-1	Applied
4	6	Std5- High	Applied
5	3	Std2- Mid	Applied
6	2	Std1- Low	Applied
7	7	icv ✓	Analyzed
8	8	icsA1 ✓	Analyzed
9	9	icsB1 ✓	Analyzed
10	2	lowstd	Analyzed
11	3	ccv1 ✓	Analyzed
12	1	ccb1 ✓	Analyzed
13	10	pb14560 ✓	Analyzed
14	11	lcs14560 ✓	Analyzed
15	12	lcd14560 ✓	Analyzed
16	13	G368-71-1C - MnFeMgAlCa	Analyzed
17	14	G368-71-1D ms - "	Analyzed
18	15	G368-71-1E msd - "	Analyzed
19	16	G368-71-2C - MnFeMgAl	Analyzed
20	17	Pb 10x - G368-71-3C - Pb MnFeMgAl	Analyzed
21	18	G368-71-3D dup - MnFeMgAlCa	Analyzed
22	19	G368-71-3D dup SDx5 - Fe Al	Analyzed
23	3	ccv2 ✓	Analyzed
24	1	ccb2 ✓ RSM 7/6/09	Analyzed
25	20	pb14555 ~~Ba Retain~~	Analyzed
26	21	lcs14555 ✓	Analyzed
27	22	lcd14555 ✓	Analyzed
28	23	G128-2399-2B - Ca	Analyzed
29	24	G128-2399-2C ms - "	Analyzed
30	25	G128-2399-2D msd - "	Analyzed
31	26	G128-2398-2B - "	Analyzed
32	27	G128-2400-2B - "	Analyzed
33	28	G128-2401-2B - "	Analyzed
34	29	G128-2401-2C dup - "	Analyzed
35	3	ccv3 ✓	Analyzed
36	1	ccb3 ✓ RSM 7/6/09	Analyzed
37	30	tblk063009a - Ba	Analyzed
38	31	G368-69-1B x10 - Fe Al	Analyzed
39	32	G368-69-1C ms x10 - "	Analyzed
40	33	G368-69-1D msd x10 - "	Analyzed
41	34	G1013-3-2B x10	Analyzed
42	35	pb14543 ✓	Analyzed
43	36	lcs14543 ✓	Analyzed
44	37	lcd14543 ✓	Analyzed
45	38	G563-302-1K - FeMgAl	Analyzed
46	39	G563-302-1L ms - "	Analyzed
47	3	ccv4 ✓	Analyzed
48	1	ccb4 ✓	Analyzed
49	40	G563-302-1M msd - FeMgAlCa	Analyzed
50	41	G563-302-1N dup - FeMgAl	Analyzed
51	42	G563-302-2M - "	Analyzed
52	8	icsA2 ✓	Analyzed
53	9	icsB2 ✓	Analyzed
54	3	ccv5 ✓	Analyzed
55	1	ccb5 ✓	Analyzed

SGS Laboratory Information Management System

Home Login Prep Samples Reports Reference Audit

Procedure Pass One - Looking for Global Failures ...

Checking ICV for failures...

Checking CCB1 for failures...

Checking ICSA1 for failures ...

Checking ICSB1 for failures ...

Flagging additional CCV/CCB/CVS pairs ...

Flagging additional ICSA/ICSB pairs ...

QC Pass 2 ...
Error Guide: G - Global CCV/ICS - Batch SD - Needs Dilution SAT - Saturated
H - High L - Low IS - Internal Standard

pb14560 - PASS
lcs14560 - PASS
lcd14560 - PASS
G368-71-1C - SD: Al Ca Fe Mg Mn
G368-71-1D - SD: Al Ca Fe Mg Mn
G368-71-1E - SD: Al Ca Fe Mg Mn
G368-71-2C - SD: Al Fe Mg Mn
G368-71-3C - SD: Al Ca Cu Fe Mg Mn Pb
G368-71-3D - SD: Al Ca Fe Mg Mn
G368-71-3D - SD: Al Fe
pb14555 - PASS
lcs14555 - PASS
lcd14555 - PASS
G128-2399-2B - SD: Ca
G128-2399-2C - SD: Ca
G128-2399-2D - SD: Ca
G128-2398-2B - SD: Ca
G128-2400-2B - SD: Ca
G128-2401-2B - SD: Ca

G128-2401-2C - SD: Ca
tblk063009a - PASS
G368-69-1B - SD: Al Fe
G368-69-1C - SD: Al Fe
G368-69-1D - SD: Al Fe
G1013-3-2B - PASS
pb14543 - PASS
lcs14543 - PASS
lcd14543 - PASS
G563-302-1K - SD: Al Fe Mg
G563-302-1L - SD: Al Fe Mg
G563-302-1M - SD: Al Ca Fe Mg
G563-302-1N - SD: Al Fe Mg
G563-302-2M - SD: Al Fe Mg

Return to Upload

Return to PALims

==========

Analysis Begun

Start Time: 7/2/2009 04:53:41 PM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100
Plasma On Time: 7/2/2009 08:01:33 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\070209c.sif
Batch ID:
Results Data Set: 070209c
Results Library: C:\pe\Anyone\Results\Results.mdb

==========

Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 7/2/2009 04:53:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	255.0 kPa	0.70 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	262.1	7.92	3.02%	[0.00]	mg/L
Tl 191	-647.2	47.30	7.31%	[0.00]	mg/L
Se 196	-167.6	41.42	24.72%	[0.00]	mg/L
Cd 214	4783.5	250.22	5.23%	[0.00]	mg/L
Pb 220	847.7	67.04	7.91%	[0.00]	mg/L
Ba 234	-1227.9	1211.39	98.66%	[0.00]	mg/L
Mn 258	8693.8	532.16	6.12%	[0.00]	mg/L
Fe 260	3071.4	303.64	9.89%	[0.00]	mg/L
Cr 268	2071.1	68.46	3.31%	[0.00]	mg/L
Mg 279	772.8	88.72	11.48%	[0.00]	mg/L
Al 308	5354.2	75.44	1.41%	[0.00]	mg/L
Ca 318	7040.2	33.59	0.48%	[0.00]	mg/L
Cu 325	37801.9	781.91	2.07%	[0.00]	mg/L
Ag 328	-1434.0	145.30	10.13%	[0.00]	mg/L

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Sequence No.: 2
Sample ID: Std3- High
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 7/2/2009 04:58:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3- High

Analyte	Back Pressure	Flow
All	255.0 kPa	0.70 L/min

Mean Data: Std3- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	17875.9	137.55	0.77%	[1]	mg/L
Se 196	14341.5	82.43	0.57%	[1]	mg/L
Cd 214	771569.2	15550.36	2.02%	[1]	mg/L
Pb 220	42851.2	238.12	0.56%	[1]	mg/L
Ba 234	3950863.9	67242.90	1.70%	[5]	mg/L
Cr 268	583449.3	3831.29	0.66%	[1]	mg/L
Cu 325	1268418.9	17604.99	1.39%	[1]	mg/L

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Sequence No.: 3
Sample ID: Std4- High
Analyst:
Autosampler Location: 5
Date Collected: 7/2/2009 05:02:04 PM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: Std4- High

Analyte	Back Pressure	Flow
All	254.0 kPa	0.70 L/min

Mean Data: Std4- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Mn 258	3854730.1	2877.74	0.07%	[1]	mg/L
Fe 260	441938.0	9511.98	2.15%	[5]	mg/L
Mg 279	44500.4	23.36	0.05%	[5]	mg/L
Al 308	85075.2	491.67	0.58%	[5]	mg/L
Ca 318	424500.0	4306.27	1.01%	[5]	mg/L

Sequence No.: 4 Autosampler Location: 6
Sample ID: Std5- High Date Collected: 7/2/2009 05:05:09 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: Std5- High

Analyte	Back Pressure	Flow
All	255.0 kPa	0.70 L/min

Mean Data: Std5- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Tl 191	20277.5	69.39	0.34%	[1]	mg/L
Ag 328	883185.0	1328.72	0.15%	[1]	mg/L

Sequence No.: 5 Autosampler Location: 3
Sample ID: Std2- Mid Date Collected: 7/2/2009 05:07:23 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: Std2- Mid

Analyte	Back Pressure	Flow
All	255.0 kPa	0.70 L/min

Mean Data: Std2- Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	9140.5	49.15	0.54%	[0.5]	mg/L
Tl 191	9868.9	39.20	0.40%	[0.5]	mg/L
Se 196	7391.5	168.48	2.28%	[0.5]	mg/L
Cd 214	392249.3	4837.04	1.23%	[0.5]	mg/L
Pb 220	21944.6	331.81	1.51%	[0.5]	mg/L
Ba 234	1998176.3	970.73	0.05%	[2.5]	mg/L
Mn 258	1919420.2	22304.83	1.16%	[0.5]	mg/L
Fe 260	232098.8	3036.42	1.31%	[2.5]	mg/L
Cr 268	291364.2	3833.76	1.32%	[0.5]	mg/L
Mg 279	22267.0	65.98	0.30%	[2.5]	mg/L
Al 308	42781.6	1014.45	2.37%	[2.5]	mg/L
Ca 318	213249.0	1996.46	0.94%	[2.5]	mg/L
Cu 325	606449.7	4712.99	0.78%	[0.5]	mg/L
Ag 328	429002.4	1230.37	0.29%	[0.5]	mg/L

Sequence No.: 6 Autosampler Location: 2
Sample ID: Std1- Low Date Collected: 7/2/2009 05:12:22 PM
Analyst: Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: Std1- Low

Analyte	Back Pressure	Flow
All	255.0 kPa	0.70 L/min

Mean Data: Std1- Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	266.9	3.78	1.42%	[0.01]	mg/L
Tl 191	78.8	45.04	57.19%	[0.01]	mg/L
Se 196	364.6	29.90	8.20%	[0.02]	mg/L
Cd 214	4034.6	68.46	1.70%	[0.005]	mg/L
Pb 220	556.6	43.52	7.82%	[0.01]	mg/L
Ba 234	82296.2	366.22	0.45%	[0.1]	mg/L
Mn 258	43307.7	1112.36	2.57%	[0.01]	mg/L
Fe 260	9017.7	303.64	3.37%	[0.1]	mg/L
Cr 268	6388.2	344.77	5.40%	[0.01]	mg/L
Mg 279	1017.4	56.35	5.54%	[0.1]	mg/L
Al 308	1887.9	154.83	8.20%	[0.1]	mg/L
Ca 318	18272.7	530.79	2.90%	[0.1]	mg/L
Cu 325	13630.8	205.38	1.51%	[0.01]	mg/L
Ag 328	8413.8	40.95	0.49%	[0.01]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
As 189	3	Lin, Calc Int	76.9	17860	0.00000	0.999936	
Tl 191	3	Lin, Calc Int	-105.4	20300	0.00000	0.999912	
Se 196	3	Lin, Calc Int	75.5	14340	0.00000	0.999883	
Cd 214	3	Lin, Calc Int	1256.3	772600	0.00000	0.999963	
Pb 220	3	Lin, Calc Int	152.6	42880	0.00000	0.999928	
Ba 234	3	Lin, Calc Int	5631.0	790600	0.00000	0.999983	
Mn 258	3	Lin, Calc Int	715.2	3851000	0.00000	0.999996	
Fe 260	3	Lin, Calc Int	2109.2	88770	0.00000	0.999662	
Cr 268	3	Lin, Calc Int	185.8	583100	0.00000	0.999999	
Mg 279	3	Lin, Calc Int	60.8	8887	0.00000	0.999997	
Al 308	3	Lin, Calc Int	129.0	17000	0.00000	0.999995	
Ca 318	3	Lin, Calc Int	4616.8	83890	0.00000	0.999787	
Cu 325	3	Lin, Calc Int	-4622.6	1263000	0.00000	0.999737	
Ag 328	3	Lin, Calc Int	-2481.2	881100	0.00000	0.999892	

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Sequence No.: 7 Autosampler Location: 7
Sample ID: icv Date Collected: 7/2/2009 05:17:18 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow
All	255.0 kPa	0.70 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	18955.9	1.07	mg/L	0.006	1.07	mg/L	0.006	0.54%
Tl 191	20921.5	1.04	mg/L	0.005	1.04	mg/L	0.005	0.50%
Se 196	14927.7	1.04	mg/L	0.027	1.04	mg/L	0.027	2.58%
Cd 214	789686.3	1.02	mg/L	0.001	1.02	mg/L	0.001	0.14%
Pb 220	44716.6	1.04	mg/L	0.003	1.04	mg/L	0.003	0.25%
Ba 234	802202.2	1.01	mg/L	0.011	1.01	mg/L	0.011	1.10%
Mn 258	3969909.9	1.03	mg/L	0.011	1.03	mg/L	0.011	1.03%
Fe 260	95974.2	1.06	mg/L	0.027	1.06	mg/L	0.027	2.59%
Cr 268	601073.5	1.03	mg/L	0.012	1.03	mg/L	0.012	1.16%
Mg 279	9197.7	1.03	mg/L	0.011	1.03	mg/L	0.011	1.03%

Al 308	17402.8	1.02 mg/L	0.037	1.02 mg/L	0.037	3.68%
Ca 318	87797.0	0.992 mg/L	0.0222	0.992 mg/L	0.0222	2.24%
Cu 325	1209890.6	0.962 mg/L	0.0233	0.962 mg/L	0.0233	2.42%
Ag 328	426660.4	0.487 mg/L	0.0043	0.487 mg/L	0.0043	0.88%

Sequence No.: 8 **Autosampler Location: 8**
Sample ID: icsA1 **Date Collected: 7/2/2009 05:22:15 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: icsA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	166.0	0.0050	mg/L	0.00079	0.0050	mg/L	0.00079	15.80%
Tl 191	-76.2	0.0014	mg/L	0.00628	0.0014	mg/L	0.00628	436.96%
Se 196	-308.2	0.0244	mg/L	0.00224	0.0244	mg/L	0.00224	9.16%
Cd 214	2331.6	-0.0039	mg/L	0.00063	-0.0039	mg/L	0.00063	15.97%
Pb 220	116.9	-0.0008	mg/L	0.00121	-0.0008	mg/L	0.00121	144.83%
Ba 234	759.4	-0.0062	mg/L	0.00017	-0.0062	mg/L	0.00017	2.72%
Mn 258	-2029.2	-0.0007	mg/L	0.00013	-0.0007	mg/L	0.00013	17.64%
Fe 260	9069855.4	102	mg/L	0.7	102	mg/L	0.7	0.66%
Cr 268	1839.5	0.0028	mg/L	0.00012	0.0028	mg/L	0.00012	4.14%
Mg 279	350777.7	39.5	mg/L	0.59	39.5	mg/L	0.59	1.48%
Al 308	1712415.7	101	mg/L	0.3	101	mg/L	0.3	0.29%
Ca 318	3396962.2	40.4	mg/L	1.04	40.4	mg/L	1.04	2.56%
Cu 325	4017.9	0.0068	mg/L	0.00013	0.0068	mg/L	0.00013	1.92%
Ag 328	286.4	0.0031	mg/L	0.00005	0.0031	mg/L	0.00005	1.44%

Sequence No.: 9 **Autosampler Location: 9**
Sample ID: icsB1 **Date Collected: 7/2/2009 05:27:14 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5629.0	0.313	mg/L	0.0014	0.313	mg/L	0.0014	0.45%
Tl 191	6063.3	0.305	mg/L	0.0001	0.305	mg/L	0.0001	0.02%
Se 196	4039.9	0.327	mg/L	0.0033	0.327	mg/L	0.0033	1.01%
Cd 214	227267.7	0.287	mg/L	0.0019	0.287	mg/L	0.0019	0.66%
Pb 220	12549.4	0.289	mg/L	0.0004	0.289	mg/L	0.0004	0.13%
Ba 234	792205.7	0.995	mg/L	0.0089	0.995	mg/L	0.0089	0.90%
Mn 258	1132938.4	0.294	mg/L	0.0052	0.294	mg/L	0.0052	1.77%
Fe 260	8946328.6	101	mg/L	1.7	101	mg/L	1.7	1.64%
Cr 268	172474.5	0.295	mg/L	0.0005	0.295	mg/L	0.0005	0.16%
Mg 279	345752.6	38.9	mg/L	1.14	38.9	mg/L	1.14	2.93%
Al 308	1711575.2	101	mg/L	0.0	101	mg/L	0.0	0.05%
Ca 318	3492928.1	41.6	mg/L	0.58	41.6	mg/L	0.58	1.39%
Cu 325	371321.7	0.298	mg/L	0.0045	0.298	mg/L	0.0045	1.51%
Ag 328	249351.6	0.286	mg/L	0.0003	0.286	mg/L	0.0003	0.11%

Sequence No.: 10 **Autosampler Location: 2**
Sample ID: lowstd **Date Collected: 7/2/2009 05:32:13 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**

Dilution: Sample Prep Vol:

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	252.4	0.0099	mg/L	0.00006	0.0099	mg/L	0.00006	0.59%
Tl 191	104.6	0.0104	mg/L	0.00093	0.0104	mg/L	0.00093	8.97%
Se 196	369.0	0.0205	mg/L	0.00098	0.0205	mg/L	0.00098	4.77%
Cd 214	3863.0	0.0034	mg/L	0.00000	0.0034	mg/L	0.00000	0.00%
Pb 220	545.7	0.0092	mg/L	0.00149	0.0092	mg/L	0.00149	16.23%
Ba 234	83283.3	0.0982	mg/L	0.00030	0.0982	mg/L	0.00030	0.30%
Mn 258	43639.7	0.0111	mg/L	0.00039	0.0111	mg/L	0.00039	3.46%
Fe 260	10091.3	0.0899	mg/L	0.00000	0.0899	mg/L	0.00000	0.00%
Cr 268	6291.4	0.0105	mg/L	0.00035	0.0105	mg/L	0.00035	3.32%
Mg 279	1030.8	0.109	mg/L	0.0105	0.109	mg/L	0.0105	9.65%
Al 308	1927.5	0.106	mg/L	0.0037	0.106	mg/L	0.0037	3.50%
Ca 318	18813.3	0.169	mg/L	0.0044	0.169	mg/L	0.0044	2.58%
Cu 325	14550.6	0.0152	mg/L	0.00015	0.0152	mg/L	0.00015	1.02%
Ag 328	8600.9	0.0126	mg/L	0.00033	0.0126	mg/L	0.00033	2.59%

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Sequence No.: 11 Autosampler Location: 3
Sample ID: ccv1 Date Collected: 7/2/2009 05:37:11 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9439.2	0.528	mg/L	0.0057	0.528	mg/L	0.0057	1.08%
Tl 191	10077.5	0.503	mg/L	0.0086	0.503	mg/L	0.0086	1.70%
Se 196	7629.7	0.528	mg/L	0.0032	0.528	mg/L	0.0032	0.61%
Cd 214	408414.3	0.527	mg/L	0.0009	0.527	mg/L	0.0009	0.18%
Pb 220	22461.4	0.520	mg/L	0.0065	0.520	mg/L	0.0065	1.26%
Ba 234	2104178.7	2.65	mg/L	0.071	2.65	mg/L	0.071	2.68%
Mn 258	1933307.5	0.502	mg/L	0.0001	0.502	mg/L	0.0001	0.03%
Fe 260	236033.6	2.64	mg/L	0.008	2.64	mg/L	0.008	0.30%
Cr 268	301772.0	0.517	mg/L	0.0116	0.517	mg/L	0.0116	2.25%
Mg 279	22676.7	2.54	mg/L	0.065	2.54	mg/L	0.065	2.54%
Al 308	43398.2	2.54	mg/L	0.041	2.54	mg/L	0.041	1.59%
Ca 318	219977.2	2.57	mg/L	0.048	2.57	mg/L	0.048	1.86%
Cu 325	614485.6	0.490	mg/L	0.0103	0.490	mg/L	0.0103	2.10%
Ag 328	426747.0	0.487	mg/L	0.0018	0.487	mg/L	0.0018	0.37%

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Sequence No.: 12 Autosampler Location: 1
Sample ID: ccb1 Date Collected: 7/2/2009 05:42:06 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: ccb1

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	78.1	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	15.29%
Tl 191	-37.8	0.0033	mg/L	0.00105	0.0033	mg/L	0.00105	31.70%
Se 196	41.4	-0.0024	mg/L	0.00095	-0.0024	mg/L	0.00095	39.53%
Cd 214	22.9	-0.0016	mg/L	0.00019	-0.0016	mg/L	0.00019	11.86%
Pb 220	132.3	-0.0005	mg/L	0.00090	-0.0005	mg/L	0.00090	191.13%
Ba 234	441.2	-0.0066	mg/L	0.00056	-0.0066	mg/L	0.00056	8.57%
Mn 258	-796.9	-0.0004	mg/L	0.00043	-0.0004	mg/L	0.00043	109.72%
Fe 260	-1148.1	-0.0367	mg/L	0.01026	-0.0367	mg/L	0.01026	27.97%
Cr 268	191.9	0.0000	mg/L	0.00012	0.0000	mg/L	0.00012	>999.9%
Mg 279	19.0	-0.0047	mg/L	0.02624	-0.0047	mg/L	0.02624	557.74%
Al 308	48.4	-0.0047	mg/L	0.00846	-0.0047	mg/L	0.00846	178.62%
Ca 318	215.3	-0.0525	mg/L	0.00087	-0.0525	mg/L	0.00087	1.65%
Cu 325	2828.1	0.0059	mg/L	0.00016	0.0059	mg/L	0.00016	2.76%
Ag 328	-283.3	0.0025	mg/L	0.00029	0.0025	mg/L	0.00029	11.72%

Sequence No.: 13
Sample ID: pb14560
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 10
Date Collected: 7/2/2009 05:47:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14560

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: pb14560

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	43.9	-0.0018	mg/L	0.00046	-0.0018	mg/L	0.00046	24.95%
Tl 191	-3.3	0.0050	mg/L	0.00257	0.0050	mg/L	0.00257	51.14%
Se 196	53.8	-0.0015	mg/L	0.00235	-0.0015	mg/L	0.00235	154.78%
Cd 214	125.9	-0.0015	mg/L	0.00033	-0.0015	mg/L	0.00033	22.67%
Pb 220	277.0	0.0029	mg/L	0.00038	0.0029	mg/L	0.00038	12.94%
Ba 234	20.9	-0.0071	mg/L	0.00053	-0.0071	mg/L	0.00053	7.40%
Mn 258	6397.0	0.0015	mg/L	0.00000	0.0015	mg/L	0.00000	0.00%
Fe 260	1073.5	-0.0117	mg/L	0.00684	-0.0117	mg/L	0.00684	58.64%
Cr 268	772.8	0.0010	mg/L	0.00058	0.0010	mg/L	0.00058	57.89%
Mg 279	-46.6	-0.0121	mg/L	0.00679	-0.0121	mg/L	0.00679	56.13%
Al 308	-266.3	-0.0232	mg/L	0.00032	-0.0232	mg/L	0.00032	1.38%
Ca 318	581.6	-0.0481	mg/L	0.00245	-0.0481	mg/L	0.00245	5.09%
Cu 325	1714.7	0.0050	mg/L	0.00065	0.0050	mg/L	0.00065	12.96%
Ag 328	-803.3	0.0019	mg/L	0.00026	0.0019	mg/L	0.00026	13.40%

Sequence No.: 14
Sample ID: lcs14560
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 11
Date Collected: 7/2/2009 05:52:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs14560

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: lcs14560

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	6951.5	0.388	mg/L	0.0013	0.388	mg/L	0.0013	0.33%
Tl 191	7699.7	0.385	mg/L	0.0019	0.385	mg/L	0.0019	0.50%
Se 196	5533.6	0.382	mg/L	0.0014	0.382	mg/L	0.0014	0.37%
Cd 214	306178.0	0.395	mg/L	0.0027	0.395	mg/L	0.0027	0.68%
Pb 220	17063.1	0.394	mg/L	0.0061	0.394	mg/L	0.0061	1.55%
Ba 234	1590414.9	2.00	mg/L	0.038	2.00	mg/L	0.038	1.91%
Mn 258	1552874.8	0.403	mg/L	0.0025	0.403	mg/L	0.0025	0.62%
Fe 260	188583.2	2.10	mg/L	0.011	2.10	mg/L	0.011	0.54%
Cr 268	239954.3	0.411	mg/L	0.0014	0.411	mg/L	0.0014	0.34%

Mg 279	18030.9	2.02 mg/L	0.018	2.02 mg/L	0.018	0.88%
Al 308	34173.7	2.00 mg/L	0.012	2.00 mg/L	0.012	0.60%
Ca 318	176049.7	2.04 mg/L	0.013	2.04 mg/L	0.013	0.66%
Cu 325	491306.2	0.393 mg/L	0.0052	0.393 mg/L	0.0052	1.33%
Ag 328	332583.5	0.380 mg/L	0.0041	0.380 mg/L	0.0041	1.07%

Sequence No.: 15 **Autosampler Location: 12**
Sample ID: lcd14560 **Date Collected: 7/2/2009 05:57:04 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: lcd14560

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: lcd14560

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7229.5	0.404	mg/L	0.0058	0.404	mg/L	0.0058	1.43%
Tl 191	7951.9	0.398	mg/L	0.0050	0.398	mg/L	0.0050	1.24%
Se 196	5604.1	0.387	mg/L	0.0026	0.387	mg/L	0.0026	0.67%
Cd 214	307153.2	0.396	mg/L	0.0016	0.396	mg/L	0.0016	0.41%
Pb 220	17253.2	0.399	mg/L	0.0044	0.399	mg/L	0.0044	1.09%
Ba 234	1655990.4	2.09	mg/L	0.033	2.09	mg/L	0.033	1.57%
Mn 258	1582116.5	0.411	mg/L	0.0072	0.411	mg/L	0.0072	1.76%
Fe 260	186366.1	2.08	mg/L	0.038	2.08	mg/L	0.038	1.81%
Cr 268	238306.6	0.408	mg/L	0.0016	0.408	mg/L	0.0016	0.40%
Mg 279	18227.0	2.04	mg/L	0.011	2.04	mg/L	0.011	0.52%
Al 308	34111.5	2.00	mg/L	0.024	2.00	mg/L	0.024	1.19%
Ca 318	175036.6	2.03	mg/L	0.035	2.03	mg/L	0.035	1.74%
Cu 325	499632.4	0.399	mg/L	0.0068	0.399	mg/L	0.0068	1.71%
Ag 328	338762.0	0.387	mg/L	0.0051	0.387	mg/L	0.0051	1.33%

Sequence No.: 16 **Autosampler Location: 13**
Sample ID: G368-71-1C **Date Collected: 7/2/2009 06:01:59 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-71-1C

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-71-1C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	733.1	0.0381	mg/L	0.00555	0.0381	mg/L	0.00555	14.56%
Tl 191	-7.2	0.0090	mg/L	0.00010	0.0090	mg/L	0.00010	1.09%
Se 196	-591.5	0.0611	mg/L	0.00356	0.0611	mg/L	0.00356	5.82%
Cd 214	5366.4	-0.0058	mg/L	0.00079	-0.0058	mg/L	0.00079	13.59%
Pb 220	4339.6	0.0977	mg/L	0.00045	0.0977	mg/L	0.00045	0.46%
Ba 234	194554.0	0.239	mg/L	0.0042	0.239	mg/L	0.0042	1.75%
Mn 258	7642274.6	1.98	mg/L	0.003	1.98	mg/L	0.003	0.16%
Fe 260	19066099.0	215	mg/L	0.4	215	mg/L	0.4	0.18%
Cr 268	97875.1	0.168	mg/L	0.0006	0.168	mg/L	0.0006	0.35%
Mg 279	317774.6	35.8	mg/L	0.16	35.8	mg/L	0.16	0.45%
Al 308	2047727.3	120	mg/L	0.8	120	mg/L	0.8	0.68%
Ca 318	504717.0	5.96	mg/L	0.112	5.96	mg/L	0.112	1.89%
Cu 325	487606.7	0.390	mg/L	0.0037	0.390	mg/L	0.0037	0.94%
Ag 328	-699.7	0.0020	mg/L	0.00022	0.0020	mg/L	0.00022	10.97%

Sequence No.: 17 **Autosampler Location: 14**
Sample ID: G368-71-1D ms **Date Collected: 7/2/2009 06:06:59 PM**
Analyst: **Data Type: Original**

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: G368-71-1D ms

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-71-1D ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7758.9	0.435	mg/L	0.0056	0.435	mg/L	0.0056	1.28%
Tl 191	7270.3	0.368	mg/L	0.0107	0.368	mg/L	0.0107	2.90%
Se 196	4591.1	0.433	mg/L	0.0016	0.433	mg/L	0.0016	0.38%
Cd 214	306371.8	0.383	mg/L	0.0009	0.383	mg/L	0.0009	0.24%
Pb 220	20723.8	0.480	mg/L	0.0037	0.480	mg/L	0.0037	0.76%
Ba 234	1786798.7	2.25	mg/L	0.058	2.25	mg/L	0.058	2.56%
Mn 258	8917689.8	2.32	mg/L	0.006	2.32	mg/L	0.006	0.24%
Fe 260	20939202.3	236	mg/L	2.2	236	mg/L	2.2	0.94%
Cr 268	331733.4	0.569	mg/L	0.0026	0.569	mg/L	0.0026	0.45%
Mg 279	364478.7	41.0	mg/L	0.93	41.0	mg/L	0.93	2.26%
Al 308	2245018.4	132	mg/L	0.9	132	mg/L	0.9	0.69%
Ca 318	601831.7	7.12	mg/L	0.123	7.12	mg/L	0.123	1.73%
Cu 325	858319.5	0.683	mg/L	0.0153	0.683	mg/L	0.0153	2.24%
Ag 328	325403.3	0.372	mg/L	0.0003	0.372	mg/L	0.0003	0.08%

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Sequence No.: 18 Autosampler Location: 15
Sample ID: G368-71-1E msd Date Collected: 7/2/2009 06:11:58 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: G368-71-1E msd

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-71-1E msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7465.1	0.418	mg/L	0.0039	0.418	mg/L	0.0039	0.93%
Tl 191	7228.6	0.366	mg/L	0.0043	0.366	mg/L	0.0043	1.17%
Se 196	4586.7	0.424	mg/L	0.0008	0.424	mg/L	0.0008	0.19%
Cd 214	296857.3	0.371	mg/L	0.0059	0.371	mg/L	0.0059	1.58%
Pb 220	20426.6	0.473	mg/L	0.0023	0.473	mg/L	0.0023	0.48%
Ba 234	1732752.3	2.18	mg/L	0.067	2.18	mg/L	0.067	3.06%
Mn 258	8383561.0	2.18	mg/L	0.004	2.18	mg/L	0.004	0.18%
Fe 260	19474542.6	219	mg/L	1.5	219	mg/L	1.5	0.69%
Cr 268	327954.1	0.562	mg/L	0.0005	0.562	mg/L	0.0005	0.08%
Mg 279	354617.7	39.9	mg/L	0.63	39.9	mg/L	0.63	1.57%
Al 308	2220097.9	131	mg/L	0.6	131	mg/L	0.6	0.44%
Ca 318	671750.8	7.95	mg/L	0.067	7.95	mg/L	0.067	0.84%
Cu 325	818604.1	0.652	mg/L	0.0170	0.652	mg/L	0.0170	2.61%
Ag 328	330738.2	0.378	mg/L	0.0045	0.378	mg/L	0.0045	1.19%

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Sequence No.: 19 Autosampler Location: 16
Sample ID: G368-71-2C Date Collected: 7/2/2009 06:16:54 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: G368-71-2C

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-71-2C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1076.6	0.0576	mg/L	0.00289	0.0576	mg/L	0.00289	5.02%
Tl 191	-108.2	0.0033	mg/L	0.00280	0.0033	mg/L	0.00280	83.93%
Se 196	-606.9	0.0734	mg/L	0.00252	0.0734	mg/L	0.00252	3.43%
Cd 214	5510.8	-0.0070	mg/L	0.00005	-0.0070	mg/L	0.00005	0.74%
Pb 220	1854.9	0.0397	mg/L	0.00012	0.0397	mg/L	0.00012	0.30%
Ba 234	262365.6	0.325	mg/L	0.0041	0.325	mg/L	0.0041	1.28%
Mn 258	6343273.9	1.65	mg/L	0.010	1.65	mg/L	0.010	0.62%
Fe 260	21453636.9	242	mg/L	2.4	242	mg/L	2.4	1.00%
Cr 268	114334.0	0.196	mg/L	0.0013	0.196	mg/L	0.0013	0.66%
Mg 279	409919.5	46.1	mg/L	1.23	46.1	mg/L	1.23	2.66%
Al 308	2388279.6	140	mg/L	0.8	140	mg/L	0.8	0.58%
Ca 318	56337.4	0.617	mg/L	0.0091	0.617	mg/L	0.0091	1.47%
Cu 325	190487.7	0.154	mg/L	0.0044	0.154	mg/L	0.0044	2.86%
Ag 328	-1069.0	0.0016	mg/L	0.00011	0.0016	mg/L	0.00011	6.71%

Sequence No.: 20 **Autosampler Location: 17**
Sample ID: G368-71-3C **Date Collected: 7/2/2009 06:21:49 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-71-3C

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-71-3C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	977.7	0.0521	mg/L	0.00204	0.0521	mg/L	0.00204	3.92%
Tl 191	22.8	0.0121	mg/L	0.00228	0.0121	mg/L	0.00228	18.90%
Se 196	-1008.2	0.0955	mg/L	0.00837	0.0955	mg/L	0.00837	8.76%
Cd 214	15598.3	0.0008	mg/L	0.00009	0.0008	mg/L	0.00009	10.62%
Pb 220	134139.4	3.13	mg/L	0.007	3.13	mg/L	0.007	0.24%
Ba 234	493159.1	0.617	mg/L	0.0017	0.617	mg/L	0.0017	0.27%
Mn 258	10509563.2	2.73	mg/L	0.018	2.73	mg/L	0.018	0.67%
Fe 260	30327963.9	342	mg/L	3.5	342	mg/L	3.5	1.02%
Cr 268	118592.3	0.203	mg/L	0.0018	0.203	mg/L	0.0018	0.87%
Mg 279	181623.9	20.4	mg/L	0.47	20.4	mg/L	0.47	2.30%
Al 308	2396975.0	141	mg/L	0.3	141	mg/L	0.3	0.22%
Ca 318	654504.1	7.75	mg/L	0.025	7.75	mg/L	0.025	0.32%
Cu 325	1734529.8	1.38	mg/L	0.006	1.38	mg/L	0.006	0.45%
Ag 328	1234.4	0.0042	mg/L	0.00016	0.0042	mg/L	0.00016	3.81%

Sequence No.: 21 **Autosampler Location: 18**
Sample ID: G368-71-3D dup **Date Collected: 7/2/2009 06:26:44 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-71-3D dup

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-71-3D dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1059.5	0.0565	mg/L	0.00036	0.0565	mg/L	0.00036	0.65%
Tl 191	-46.7	0.0074	mg/L	0.00311	0.0074	mg/L	0.00311	41.94%
Se 196	-643.2	0.0843	mg/L	0.00156	0.0843	mg/L	0.00156	1.85%
Cd 214	12785.3	0.0010	mg/L	0.00072	0.0010	mg/L	0.00072	74.16%
Pb 220	30238.1	0.702	mg/L	0.0052	0.702	mg/L	0.0052	0.73%
Ba 234	442621.0	0.553	mg/L	0.0071	0.553	mg/L	0.0071	1.28%
Mn 258	8241269.0	2.14	mg/L	0.015	2.14	mg/L	0.015	0.71%
Fe 260	23826793.9	268	mg/L	0.8	268	mg/L	0.8	0.28%

Cr 268	103442.1	0.177 mg/L	0.0047	0.177 mg/L	0.0047	2.65%
Mg 279	162598.4	18.3 mg/L	0.51	18.3 mg/L	0.51	2.79%
Al 308	2226399.3	131 mg/L	0.1	131 mg/L	0.1	0.05%
Ca 318	504205.4	5.96 mg/L	0.012	5.96 mg/L	0.012	0.20%
Cu 325	1207574.5	0.960 mg/L	0.0066	0.960 mg/L	0.0066	0.69%
Ag 328	502.7	0.0034 mg/L	0.00038	0.0034 mg/L	0.00038	11.34%

Sequence No.: 22 **Autosampler Location: 19**
Sample ID: G368-71-3D dup SDx5 **Date Collected: 7/2/2009 06:31:35 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-71-3D dup SDx5

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-71-3D dup SDx5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	234.7	0.0091	mg/L	0.00010	0.0091	mg/L	0.00010	1.12%
Tl 191	51.8	0.0086	mg/L	0.00044	0.0086	mg/L	0.00044	5.11%
Se 196	-127.4	0.0125	mg/L	0.00112	0.0125	mg/L	0.00112	8.92%
Cd 214	2872.0	-0.0007	mg/L	0.00021	-0.0007	mg/L	0.00021	31.40%
Pb 220	6112.7	0.139	mg/L	0.0009	0.139	mg/L	0.0009	0.67%
Ba 234	88249.2	0.104	mg/L	0.0004	0.104	mg/L	0.0004	0.36%
Mn 258	1646669.2	0.427	mg/L	0.0048	0.427	mg/L	0.0048	1.13%
Fe 260	4729487.7	53.3	mg/L	0.80	53.3	mg/L	0.80	1.50%
Cr 268	20523.5	0.0349	mg/L	0.00058	0.0349	mg/L	0.00058	1.67%
Mg 279	33152.7	3.72	mg/L	0.020	3.72	mg/L	0.020	0.53%
Al 308	443822.0	26.1	mg/L	0.04	26.1	mg/L	0.04	0.17%
Ca 318	102411.6	1.17	mg/L	0.012	1.17	mg/L	0.012	1.05%
Cu 325	232284.7	0.188	mg/L	0.0008	0.188	mg/L	0.0008	0.40%
Ag 328	-271.6	0.0025	mg/L	0.00001	0.0025	mg/L	0.00001	0.53%

Sequence No.: 23 **Autosampler Location: 3**
Sample ID: ccv2 **Date Collected: 7/2/2009 06:36:32 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: ccv2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9521.7	0.533	mg/L	0.0039	0.533	mg/L	0.0039	0.72%
Tl 191	10228.3	0.510	mg/L	0.0008	0.510	mg/L	0.0008	0.16%
Se 196	7641.0	0.529	mg/L	0.0003	0.529	mg/L	0.0003	0.06%
Cd 214	410501.1	0.530	mg/L	0.0025	0.530	mg/L	0.0025	0.47%
Pb 220	22632.4	0.524	mg/L	0.0055	0.524	mg/L	0.0055	1.06%
Ba 234	2056312.9	2.59	mg/L	0.001	2.59	mg/L	0.001	0.06%
Mn 258	1961297.9	0.509	mg/L	0.0065	0.509	mg/L	0.0065	1.27%
Fe 260	234315.9	2.62	mg/L	0.042	2.62	mg/L	0.042	1.61%
Cr 268	304578.0	0.522	mg/L	0.0011	0.522	mg/L	0.0011	0.20%
Mg 279	22324.2	2.51	mg/L	0.134	2.51	mg/L	0.134	5.35%
Al 308	43979.1	2.58	mg/L	0.016	2.58	mg/L	0.016	0.61%
Ca 318	219394.7	2.56	mg/L	0.059	2.56	mg/L	0.059	2.32%
Cu 325	631989.1	0.504	mg/L	0.0016	0.504	mg/L	0.0016	0.32%
Ag 328	439823.6	0.502	mg/L	0.0008	0.502	mg/L	0.0008	0.16%

Sequence No.: 24 **Autosampler Location: 1**
Sample ID: ccb2 **Date Collected: 7/2/2009 06:41:29 PM**

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	66.1	-0.0006	mg/L	0.00139	-0.0006	mg/L	0.00139	229.44%
Tl 191	-96.8	0.0004	mg/L	0.00496	0.0004	mg/L	0.00496	>999.9%
Se 196	8.0	-0.0047	mg/L	0.00166	-0.0047	mg/L	0.00166	35.11%
Cd 214	210.3	-0.0014	mg/L	0.00035	-0.0014	mg/L	0.00035	26.13%
Pb 220	238.4	0.0020	mg/L	0.00081	0.0020	mg/L	0.00081	40.33%
Ba 234	147.6	-0.0069	mg/L	0.00034	-0.0069	mg/L	0.00034	4.84%
Mn 258	-764.4	-0.0004	mg/L	0.00044	-0.0004	mg/L	0.00044	115.23%
Fe 260	-644.1	-0.0310	mg/L	0.02052	-0.0310	mg/L	0.02052	66.17%
Cr 268	93.3	-0.0002	mg/L	0.00035	-0.0002	mg/L	0.00035	222.16%
Mg 279	-31.2	-0.0104	mg/L	0.01828	-0.0104	mg/L	0.01828	176.57%
Al 308	-8.8	-0.0081	mg/L	0.01240	-0.0081	mg/L	0.01240	153.04%
Ca 318	-305.2	-0.0587	mg/L	0.00158	-0.0587	mg/L	0.00158	2.70%
Cu 325	2178.4	0.0054	mg/L	0.00084	0.0054	mg/L	0.00084	15.68%
Ag 328	387.5	0.0033	mg/L	0.00018	0.0033	mg/L	0.00018	5.47%

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Sequence No.: 25
Sample ID: pb14555
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 7/2/2009 06:46:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14555

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: pb14555

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	53.5	-0.0013	mg/L	0.00014	-0.0013	mg/L	0.00014	10.55%
Tl 191	-10.0	0.0047	mg/L	0.00042	0.0047	mg/L	0.00042	8.88%
Se 196	55.8	-0.0014	mg/L	0.00219	-0.0014	mg/L	0.00219	158.47%
Cd 214	-118.8	-0.0018	mg/L	0.00011	-0.0018	mg/L	0.00011	5.97%
Pb 220	233.6	0.0019	mg/L	0.00062	0.0019	mg/L	0.00062	33.06%
Ba 234	96475.1	0.115	mg/L	0.0007	0.115	mg/L	0.0007	0.60%
Mn 258	2921.8	0.0006	mg/L	0.00014	0.0006	mg/L	0.00014	24.12%
Fe 260	429.4	-0.0189	mg/L	0.00342	-0.0189	mg/L	0.00342	18.08%
Cr 268	769.3	0.0010	mg/L	0.00012	0.0010	mg/L	0.00012	12.16%
Mg 279	-11.8	-0.0082	mg/L	0.00663	-0.0082	mg/L	0.00663	81.21%
Al 308	30.8	-0.0058	mg/L	0.00911	-0.0058	mg/L	0.00911	157.72%
Ca 318	4503.9	-0.0013	mg/L	0.00515	-0.0013	mg/L	0.00515	382.73%
Cu 325	1335.0	0.0047	mg/L	0.00043	0.0047	mg/L	0.00043	9.01%
Ag 328	176.3	0.0030	mg/L	0.00022	0.0030	mg/L	0.00022	7.45%

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Sequence No.: 26
Sample ID: lcs14555
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 7/2/2009 06:51:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs14555

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: lcs14555

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7206.5	0.402	mg/L	0.0013	0.402	mg/L	0.0013	0.32%
Tl 191	7810.1	0.391	mg/L	0.0007	0.391	mg/L	0.0007	0.18%
Se 196	5842.7	0.403	mg/L	0.0049	0.403	mg/L	0.0049	1.21%
Cd 214	310499.6	0.400	mg/L	0.0001	0.400	mg/L	0.0001	0.03%
Pb 220	17449.7	0.403	mg/L	0.0027	0.403	mg/L	0.0027	0.66%
Ba 234	1662448.9	2.10	mg/L	0.017	2.10	mg/L	0.017	0.80%
Mn 258	1512987.7	0.393	mg/L	0.0030	0.393	mg/L	0.0030	0.77%
Fe 260	182571.4	2.03	mg/L	0.046	2.03	mg/L	0.046	2.24%
Cr 268	234242.1	0.401	mg/L	0.0007	0.401	mg/L	0.0007	0.18%
Mg 279	16898.1	1.89	mg/L	0.025	1.89	mg/L	0.025	1.34%
Al 308	34455.3	2.02	mg/L	0.005	2.02	mg/L	0.005	0.24%
Ca 318	172948.5	2.01	mg/L	0.047	2.01	mg/L	0.047	2.32%
Cu 325	538919.8	0.430	mg/L	0.0062	0.430	mg/L	0.0062	1.44%
Ag 328	332603.4	0.380	mg/L	0.0065	0.380	mg/L	0.0065	1.71%

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Sequence No.: 27 **Autosampler Location: 22**
Sample ID: lcd14555 **Date Collected: 7/2/2009 06:56:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: lcd14555

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: lcd14555

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7088.9	0.396	mg/L	0.0080	0.396	mg/L	0.0080	2.03%
Tl 191	7646.7	0.383	mg/L	0.0028	0.383	mg/L	0.0028	0.74%
Se 196	5701.6	0.393	mg/L	0.0035	0.393	mg/L	0.0035	0.90%
Cd 214	303390.5	0.391	mg/L	0.0023	0.391	mg/L	0.0023	0.59%
Pb 220	16740.6	0.387	mg/L	0.0055	0.387	mg/L	0.0055	1.42%
Ba 234	1610296.6	2.03	mg/L	0.010	2.03	mg/L	0.010	0.50%
Mn 258	1498613.3	0.389	mg/L	0.0047	0.389	mg/L	0.0047	1.22%
Fe 260	178706.7	1.99	mg/L	0.009	1.99	mg/L	0.009	0.46%
Cr 268	233901.5	0.401	mg/L	0.0069	0.401	mg/L	0.0069	1.73%
Mg 279	16749.6	1.88	mg/L	0.001	1.88	mg/L	0.001	0.05%
Al 308	33277.0	1.95	mg/L	0.020	1.95	mg/L	0.020	1.03%
Ca 318	166798.1	1.93	mg/L	0.043	1.93	mg/L	0.043	2.21%
Cu 325	536782.2	0.429	mg/L	0.0002	0.429	mg/L	0.0002	0.04%
Ag 328	336445.8	0.385	mg/L	0.0035	0.385	mg/L	0.0035	0.91%

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Sequence No.: 28 **Autosampler Location: 23**
Sample ID: G128-2399-2B **Date Collected: 7/2/2009 07:01:15 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G128-2399-2B

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G128-2399-2B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	49.8	-0.0015	mg/L	0.00086	-0.0015	mg/L	0.00086	56.98%
Tl 191	39.4	0.0073	mg/L	0.00060	0.0073	mg/L	0.00060	8.15%
Se 196	42.8	-0.0023	mg/L	0.00170	-0.0023	mg/L	0.00170	74.00%
Cd 214	3372.7	0.0027	mg/L	0.00002	0.0027	mg/L	0.00002	0.89%
Pb 220	206.2	0.0013	mg/L	0.00038	0.0013	mg/L	0.00038	30.61%
Ba 234	89884.4	0.107	mg/L	0.0008	0.107	mg/L	0.0008	0.72%
Mn 258	310133.8	0.0804	mg/L	0.00014	0.0804	mg/L	0.00014	0.17%

Fe 260	-429.4	-0.0286 mg/L	0.00342	-0.0286 mg/L	0.00342	11.96%
Cr 268	674.2	0.0008 mg/L	0.00035	0.0008 mg/L	0.00035	42.05%
Mg 279	10588.5	1.18 mg/L	0.005	1.18 mg/L	0.005	0.43%
Al 308	80.3	-0.0029 mg/L	0.00370	-0.0029 mg/L	0.00370	129.39%
Ca 318	8015935.5	95.5 mg/L	2.22	95.5 mg/L	2.22	2.33%
Cu 325	6058.7	0.0085 mg/L	0.00062	0.0085 mg/L	0.00062	7.32%
Ag 328	-308.8	0.0025 mg/L	0.00037	0.0025 mg/L	0.00037	14.93%

Sequence No.: 29 **Autosampler Location: 24**
Sample ID: G128-2399-2C ms **Date Collected: 7/2/2009 07:06:11 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G128-2399-2C ms

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G128-2399-2C ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7322.1	0.409	mg/L	0.0046	0.409	mg/L	0.0046	1.12%
Tl 191	7878.7	0.394	mg/L	0.0029	0.394	mg/L	0.0029	0.74%
Se 196	5903.0	0.407	mg/L	0.0028	0.407	mg/L	0.0028	0.68%
Cd 214	309773.5	0.399	mg/L	0.0082	0.399	mg/L	0.0082	2.05%
Pb 220	17433.5	0.403	mg/L	0.0002	0.403	mg/L	0.0002	0.06%
Ba 234	1655380.3	2.09	mg/L	0.063	2.09	mg/L	0.063	3.02%
Mn 258	1817785.4	0.472	mg/L	0.0019	0.472	mg/L	0.0019	0.41%
Fe 260	182142.0	2.03	mg/L	0.030	2.03	mg/L	0.030	1.46%
Cr 268	237146.6	0.406	mg/L	0.0099	0.406	mg/L	0.0099	2.43%
Mg 279	26216.3	2.94	mg/L	0.035	2.94	mg/L	0.035	1.20%
Al 308	34697.4	2.03	mg/L	0.016	2.03	mg/L	0.016	0.79%
Ca 318	7208111.6	85.9	mg/L	1.17	85.9	mg/L	1.17	1.36%
Cu 325	545447.3	0.436	mg/L	0.0010	0.436	mg/L	0.0010	0.24%
Ag 328	344760.3	0.394	mg/L	0.0005	0.394	mg/L	0.0005	0.12%

Sequence No.: 30 **Autosampler Location: 25**
Sample ID: G128-2399-2D msd **Date Collected: 7/2/2009 07:11:08 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G128-2399-2D msd

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G128-2399-2D msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7206.5	0.402	mg/L	0.0013	0.402	mg/L	0.0013	0.31%
Tl 191	7805.2	0.391	mg/L	0.0035	0.391	mg/L	0.0035	0.89%
Se 196	5801.9	0.400	mg/L	0.0018	0.400	mg/L	0.0018	0.46%
Cd 214	303932.7	0.392	mg/L	0.0049	0.392	mg/L	0.0049	1.25%
Pb 220	16944.3	0.392	mg/L	0.0073	0.392	mg/L	0.0073	1.88%
Ba 234	1613591.1	2.03	mg/L	0.032	2.03	mg/L	0.032	1.59%
Mn 258	1775640.5	0.461	mg/L	0.0036	0.461	mg/L	0.0036	0.78%
Fe 260	176989.0	1.97	mg/L	0.002	1.97	mg/L	0.002	0.12%
Cr 268	230997.0	0.396	mg/L	0.0032	0.396	mg/L	0.0032	0.80%
Mg 279	25759.0	2.89	mg/L	0.016	2.89	mg/L	0.016	0.56%
Al 308	33914.0	1.99	mg/L	0.016	1.99	mg/L	0.016	0.81%
Ca 318	7175339.2	85.5	mg/L	1.36	85.5	mg/L	1.36	1.59%
Cu 325	537653.6	0.429	mg/L	0.0026	0.429	mg/L	0.0026	0.62%
Ag 328	338769.7	0.387	mg/L	0.0026	0.387	mg/L	0.0026	0.66%

Sequence No.: 31 **Autosampler Location: 26**

Sample ID: G128-2398-2B
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 7/2/2009 07:16:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G128-2398-2B

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G128-2398-2B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-3.9	-0.0045	mg/L	0.00313	-0.0045	mg/L	0.00313	69.22%
Tl 191	13.2	0.0059	mg/L	0.00122	0.0059	mg/L	0.00122	20.60%
Se 196	66.8	-0.0006	mg/L	0.00020	-0.0006	mg/L	0.00020	31.93%
Cd 214	665.4	-0.0008	mg/L	0.00005	-0.0008	mg/L	0.00005	6.94%
Pb 220	185.6	0.0008	mg/L	0.00088	0.0008	mg/L	0.00088	114.38%
Ba 234	119121.2	0.144	mg/L	0.0008	0.144	mg/L	0.0008	0.53%
Mn 258	169742.3	0.0439	mg/L	0.00029	0.0439	mg/L	0.00029	0.66%
Fe 260	0.0	-0.0238	mg/L	0.00342	-0.0238	mg/L	0.00342	14.40%
Cr 268	387.3	0.0003	mg/L	0.00034	0.0003	mg/L	0.00034	99.47%
Mg 279	10665.5	1.19	mg/L	0.015	1.19	mg/L	0.015	1.28%
Al 308	84.2	-0.0026	mg/L	0.00549	-0.0026	mg/L	0.00549	208.28%
Ca 318	7023764.1	83.7	mg/L	1.25	83.7	mg/L	1.25	1.50%
Cu 325	2428.0	0.0056	mg/L	0.00024	0.0056	mg/L	0.00024	4.29%
Ag 328	-221.1	0.0026	mg/L	0.00004	0.0026	mg/L	0.00004	1.62%

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Sequence No.: 32
Sample ID: G128-2400-2B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 7/2/2009 07:21:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G128-2400-2B

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G128-2400-2B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	19.4	-0.0032	mg/L	0.00040	-0.0032	mg/L	0.00040	12.35%
Tl 191	17.5	0.0063	mg/L	0.00181	0.0063	mg/L	0.00181	28.83%
Se 196	57.0	-0.0013	mg/L	0.00189	-0.0013	mg/L	0.00189	144.96%
Cd 214	2769.8	0.0020	mg/L	0.00028	0.0020	mg/L	0.00028	14.15%
Pb 220	327.0	0.0041	mg/L	0.00157	0.0041	mg/L	0.00157	38.63%
Ba 234	95314.4	0.113	mg/L	0.0070	0.113	mg/L	0.0070	6.18%
Mn 258	384340.3	0.0996	mg/L	0.00052	0.0996	mg/L	0.00052	0.53%
Fe 260	-214.7	-0.0262	mg/L	0.00684	-0.0262	mg/L	0.00684	26.13%
Cr 268	771.0	0.0010	mg/L	0.00012	0.0010	mg/L	0.00012	11.70%
Mg 279	8556.3	0.956	mg/L	0.0077	0.956	mg/L	0.0077	0.80%
Al 308	-95.7	-0.0132	mg/L	0.00435	-0.0132	mg/L	0.00435	32.90%
Ca 318	6957204.7	82.9	mg/L	0.63	82.9	mg/L	0.63	0.76%
Cu 325	3388.6	0.0063	mg/L	0.00051	0.0063	mg/L	0.00051	8.05%
Ag 328	-164.6	0.0026	mg/L	0.00008	0.0026	mg/L	0.00008	3.08%

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Sequence No.: 33
Sample ID: G128-2401-2B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 7/2/2009 07:25:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G128-2401-2B

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G128-2401-2B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1.3	-0.0042	mg/L	0.00126	-0.0042	mg/L	0.00126	29.71%
Tl 191	-53.9	0.0029	mg/L	0.00262	0.0029	mg/L	0.00262	91.50%
Se 196	58.5	-0.0012	mg/L	0.00140	-0.0012	mg/L	0.00140	116.52%
Cd 214	5493.0	0.0055	mg/L	0.00045	0.0055	mg/L	0.00045	8.28%
Pb 220	227.9	0.0018	mg/L	0.00254	0.0018	mg/L	0.00254	144.34%
Ba 234	98622.7	0.118	mg/L	0.0036	0.118	mg/L	0.0036	3.03%
Mn 258	596304.2	0.155	mg/L	0.0001	0.155	mg/L	0.0001	0.08%
Fe 260	-644.1	-0.0310	mg/L	0.00684	-0.0310	mg/L	0.00684	22.06%
Cr 268	627.6	0.0008	mg/L	0.00047	0.0008	mg/L	0.00047	61.42%
Mg 279	9961.7	1.11	mg/L	0.001	1.11	mg/L	0.001	0.07%
Al 308	177.1	0.0028	mg/L	0.01240	0.0028	mg/L	0.01240	438.06%
Ca 318	6929502.5	82.5	mg/L	0.13	82.5	mg/L	0.13	0.16%
Cu 325	5014.1	0.0076	mg/L	0.00010	0.0076	mg/L	0.00010	1.31%
Ag 328	-199.5	0.0026	mg/L	0.00007	0.0026	mg/L	0.00007	2.62%

Sequence No.: 34
Sample ID: G128-2401-2C dup
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 7/2/2009 07:30:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G128-2401-2C dup

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G128-2401-2C dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	12.8	-0.0036	mg/L	0.00484	-0.0036	mg/L	0.00484	135.06%
Tl 191	-31.1	0.0040	mg/L	0.00325	0.0040	mg/L	0.00325	81.23%
Se 196	46.2	-0.0021	mg/L	0.00189	-0.0021	mg/L	0.00189	92.24%
Cd 214	5625.9	0.0057	mg/L	0.00019	0.0057	mg/L	0.00019	3.32%
Pb 220	277.4	0.0029	mg/L	0.00159	0.0029	mg/L	0.00159	54.77%
Ba 234	100277.0	0.120	mg/L	0.0015	0.120	mg/L	0.0015	1.21%
Mn 258	615871.5	0.160	mg/L	0.0001	0.160	mg/L	0.0001	0.08%
Fe 260	0.0	-0.0238	mg/L	0.01026	-0.0238	mg/L	0.01026	43.19%
Cr 268	96.8	-0.0002	mg/L	0.00012	-0.0002	mg/L	0.00012	76.96%
Mg 279	10374.0	1.16	mg/L	0.019	1.16	mg/L	0.019	1.59%
Al 308	31.9	-0.0057	mg/L	0.00032	-0.0057	mg/L	0.00032	5.63%
Ca 318	7049751.1	84.0	mg/L	0.70	84.0	mg/L	0.70	0.83%
Cu 325	4412.8	0.0072	mg/L	0.00003	0.0072	mg/L	0.00003	0.44%
Ag 328	-262.5	0.0025	mg/L	0.00010	0.0025	mg/L	0.00010	3.85%

Sequence No.: 35
Sample ID: ccv3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/2/2009 07:35:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv3

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: ccv3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9501.6	0.532	mg/L	0.0055	0.532	mg/L	0.0055	1.04%
Tl 191	10221.6	0.510	mg/L	0.0008	0.510	mg/L	0.0008	0.15%
Se 196	7661.7	0.530	mg/L	0.0043	0.530	mg/L	0.0043	0.81%
Cd 214	408597.4	0.527	mg/L	0.0010	0.527	mg/L	0.0010	0.20%
Pb 220	22733.0	0.527	mg/L	0.0005	0.527	mg/L	0.0005	0.10%
Ba 234	2086001.8	2.63	mg/L	0.062	2.63	mg/L	0.062	2.34%

Mn 258	2014321.3	0.523 mg/L	0.0008	0.523 mg/L	0.0008	0.15%
Fe 260	230091.8	2.57 mg/L	0.068	2.57 mg/L	0.068	2.66%
Cr 268	308305.4	0.528 mg/L	0.0023	0.528 mg/L	0.0023	0.44%
Mg 279	22931.2	2.57 mg/L	0.031	2.57 mg/L	0.031	1.20%
Al 308	44414.8	2.60 mg/L	0.020	2.60 mg/L	0.020	0.79%
Ca 318	224340.0	2.62 mg/L	0.006	2.62 mg/L	0.006	0.23%
Cu 325	624174.9	0.498 mg/L	0.0048	0.498 mg/L	0.0048	0.97%
Ag 328	437746.6	0.500 mg/L	0.0084	0.500 mg/L	0.0084	1.68%

Sequence No.: 36
Sample ID: ccb3
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 7/2/2009 07:40:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb3

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: ccb3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	25.5	-0.0029	mg/L	0.00106	-0.0029	mg/L	0.00106	36.79%
Tl 191	-8.0	0.0048	mg/L	0.00082	0.0048	mg/L	0.00082	17.10%
Se 196	45.3	-0.0021	mg/L	0.00045	-0.0021	mg/L	0.00045	21.21%
Cd 214	-270.2	-0.0020	mg/L	0.00035	-0.0020	mg/L	0.00035	17.61%
Pb 220	122.4	-0.0007	mg/L	0.00156	-0.0007	mg/L	0.00156	221.89%
Ba 234	-250.2	-0.0074	mg/L	0.00071	-0.0074	mg/L	0.00071	9.57%
Mn 258	-1549.4	-0.0006	mg/L	0.00040	-0.0006	mg/L	0.00040	67.73%
Fe 260	-1218.2	-0.0375	mg/L	0.00915	-0.0375	mg/L	0.00915	24.40%
Cr 268	383.8	0.0003	mg/L	0.00059	0.0003	mg/L	0.00059	172.88%
Mg 279	-19.1	-0.0090	mg/L	0.00498	-0.0090	mg/L	0.00498	55.41%
Al 308	136.4	0.0004	mg/L	0.00032	0.0004	mg/L	0.00032	73.34%
Ca 318	163.9	-0.0531	mg/L	0.00316	-0.0531	mg/L	0.00316	5.96%
Cu 325	2178.4	0.0054	mg/L	0.00063	0.0054	mg/L	0.00063	11.66%
Ag 328	33.8	0.0029	mg/L	0.00004	0.0029	mg/L	0.00004	1.26%

Sequence No.: 37
Sample ID: tblk063009a
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 30
Date Collected: 7/2/2009 07:45:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: tblk063009a

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: tblk063009a

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5.0	-0.0040	mg/L	0.00070	-0.0040	mg/L	0.00070	17.42%
Tl 191	-6.7	0.0049	mg/L	0.00061	0.0049	mg/L	0.00061	12.53%
Se 196	48.1	-0.0019	mg/L	0.00232	-0.0019	mg/L	0.00232	121.18%
Cd 214	136.4	-0.0014	mg/L	0.00031	-0.0014	mg/L	0.00031	21.59%
Pb 220	180.1	0.0006	mg/L	0.00266	0.0006	mg/L	0.00266	414.34%
Ba 234	95012.1	0.113	mg/L	0.0008	0.113	mg/L	0.0008	0.71%
Mn 258	8566.2	0.0020	mg/L	0.00028	0.0020	mg/L	0.00028	13.56%
Fe 260	858.8	-0.0141	mg/L	0.00342	-0.0141	mg/L	0.00342	24.28%
Cr 268	579.2	0.0007	mg/L	0.00058	0.0007	mg/L	0.00058	86.39%
Mg 279	10.6	-0.0057	mg/L	0.00215	-0.0057	mg/L	0.00215	37.99%
Al 308	181.0	0.0031	mg/L	0.02077	0.0031	mg/L	0.02077	679.34%
Ca 318	4804.9	0.0022	mg/L	0.00641	0.0022	mg/L	0.00641	285.87%
Cu 325	1673.9	0.0050	mg/L	0.00022	0.0050	mg/L	0.00022	4.35%
Ag 328	105.0	0.0029	mg/L	0.00044	0.0029	mg/L	0.00044	14.99%

Sequence No.: 38
Sample ID: G368-69-1B x10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 7/2/2009 07:50:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-69-1B x10

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-69-1B x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	160.6	0.0048	mg/L	0.00041	0.0048	mg/L	0.00041	8.52%
Tl 191	-161.1	-0.0024	mg/L	0.00235	-0.0024	mg/L	0.00235	99.61%
Se 196	-50.5	0.0055	mg/L	0.00033	0.0055	mg/L	0.00033	6.06%
Cd 214	874.0	-0.0020	mg/L	0.00003	-0.0020	mg/L	0.00003	1.72%
Pb 220	1481.1	0.0310	mg/L	0.00104	0.0310	mg/L	0.00104	3.34%
Ba 234	51323.7	0.0578	mg/L	0.00035	0.0578	mg/L	0.00035	0.61%
Mn 258	698346.2	0.181	mg/L	0.0025	0.181	mg/L	0.0025	1.38%
Fe 260	2527097.7	28.4	mg/L	0.03	28.4	mg/L	0.03	0.11%
Cr 268	10700.0	0.0180	mg/L	0.00070	0.0180	mg/L	0.00070	3.88%
Mg 279	20414.1	2.29	mg/L	0.022	2.29	mg/L	0.022	0.97%
Al 308	308902.5	18.2	mg/L	0.03	18.2	mg/L	0.03	0.16%
Ca 318	18808.5	0.169	mg/L	0.0011	0.169	mg/L	0.0011	0.66%
Cu 325	148892.0	0.122	mg/L	0.0030	0.122	mg/L	0.0030	2.50%
Ag 328	-73.8	0.0027	mg/L	0.00012	0.0027	mg/L	0.00012	4.33%

Sequence No.: 39
Sample ID: G368-69-1C ms x10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 7/2/2009 07:55:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-69-1C ms x10

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-69-1C ms x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	834.3	0.0429	mg/L	0.00088	0.0429	mg/L	0.00088	2.05%
Tl 191	661.4	0.0384	mg/L	0.00055	0.0384	mg/L	0.00055	1.43%
Se 196	460.1	0.0433	mg/L	0.00016	0.0433	mg/L	0.00016	0.37%
Cd 214	30536.1	0.0362	mg/L	0.00154	0.0362	mg/L	0.00154	4.27%
Pb 220	3733.2	0.0835	mg/L	0.00061	0.0835	mg/L	0.00061	0.73%
Ba 234	214757.1	0.265	mg/L	0.0051	0.265	mg/L	0.0051	1.92%
Mn 258	1182445.5	0.307	mg/L	0.0028	0.307	mg/L	0.0028	0.90%
Fe 260	2917935.4	32.8	mg/L	0.74	32.8	mg/L	0.74	2.26%
Cr 268	35333.0	0.0603	mg/L	0.00129	0.0603	mg/L	0.00129	2.14%
Mg 279	22883.3	2.57	mg/L	0.017	2.57	mg/L	0.017	0.67%
Al 308	307010.7	18.0	mg/L	0.02	18.0	mg/L	0.02	0.14%
Ca 318	35026.5	0.362	mg/L	0.0007	0.362	mg/L	0.0007	0.20%
Cu 325	248290.0	0.200	mg/L	0.0006	0.200	mg/L	0.0006	0.27%
Ag 328	32692.5	0.0399	mg/L	0.00034	0.0399	mg/L	0.00034	0.86%

Sequence No.: 40
Sample ID: G368-69-1D msd x10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 7/2/2009 08:00:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-69-1D msd x10

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G368-69-1D msd x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	853.8	0.0439	mg/L	0.00079	0.0439	mg/L	0.00079	1.81%
Tl 191	665.5	0.0384	mg/L	0.00612	0.0384	mg/L	0.00612	15.92%
Se 196	529.0	0.0482	mg/L	0.00099	0.0482	mg/L	0.00099	2.05%
Cd 214	30985.0	0.0368	mg/L	0.00051	0.0368	mg/L	0.00051	1.39%
Pb 220	3293.2	0.0732	mg/L	0.00327	0.0732	mg/L	0.00327	4.46%
Ba 234	202969.1	0.250	mg/L	0.0020	0.250	mg/L	0.0020	0.78%
Mn 258	840173.3	0.218	mg/L	0.0007	0.218	mg/L	0.0007	0.32%
Fe 260	2938402.6	33.1	mg/L	0.21	33.1	mg/L	0.21	0.64%
Cr 268	29766.0	0.0507	mg/L	0.00047	0.0507	mg/L	0.00047	0.92%
Mg 279	23139.2	2.60	mg/L	0.008	2.60	mg/L	0.008	0.31%
Al 308	309311.2	18.2	mg/L	0.19	18.2	mg/L	0.19	1.04%
Ca 318	39291.3	0.413	mg/L	0.0142	0.413	mg/L	0.0142	3.44%
Cu 325	181628.9	0.147	mg/L	0.0029	0.147	mg/L	0.0029	1.93%
Ag 328	28337.1	0.0350	mg/L	0.00057	0.0350	mg/L	0.00057	1.63%

Sequence No.: 41
Sample ID: G1013-3-2B x10
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 34
Date Collected: 7/2/2009 08:05:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1013-3-2B x10

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G1013-3-2B x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	35.1	-0.0006	mg/L	0.00146	-0.0006	mg/L	0.00146	264.95%
Tl 191	-100.5	0.0006	mg/L	0.00127	0.0006	mg/L	0.00127	225.60%
Se 196	44.0	-0.0021	mg/L	0.00134	-0.0021	mg/L	0.00134	63.63%
Cd 214	464.7	-0.0010	mg/L	0.00045	-0.0010	mg/L	0.00045	43.75%
Pb 220	862.6	0.0166	mg/L	0.00009	0.0166	mg/L	0.00009	0.56%
Ba 234	39170.8	0.0424	mg/L	0.00136	0.0424	mg/L	0.00136	3.21%
Mn 258	583852.6	0.151	mg/L	0.0011	0.151	mg/L	0.0011	0.73%
Fe 260	16317.8	0.160	mg/L	0.0171	0.160	mg/L	0.0171	10.69%
Cr 268	127020.6	0.218	mg/L	0.0018	0.218	mg/L	0.0018	0.81%
Mg 279	8393.8	0.938	mg/L	0.0104	0.938	mg/L	0.0104	1.11%
Al 308	6501.0	0.375	mg/L	0.0003	0.375	mg/L	0.0003	0.09%
Ca 318	171114.3	1.98	mg/L	0.030	1.98	mg/L	0.030	1.51%
Cu 325	5885.4	0.0083	mg/L	0.00027	0.0083	mg/L	0.00027	3.26%
Ag 328	-45.7	0.0028	mg/L	0.00036	0.0028	mg/L	0.00036	12.94%

Sequence No.: 42
Sample ID: pb14543
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 35
Date Collected: 7/2/2009 08:10:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14543

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: pb14543

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	16.9	-0.0034	mg/L	0.00063	-0.0034	mg/L	0.00063	18.82%
Tl 191	-110.5	-0.0002	mg/L	0.00201	-0.0002	mg/L	0.00201	806.20%
Se 196	-1.3	-0.0054	mg/L	0.00041	-0.0054	mg/L	0.00041	7.67%
Cd 214	365.2	-0.0012	mg/L	0.00045	-0.0012	mg/L	0.00045	38.91%
Pb 220	267.6	0.0027	mg/L	0.00011	0.0027	mg/L	0.00011	4.26%

Ba 234	-415.3	-0.0076 mg/L	0.00067	-0.0076 mg/L	0.00067	8.78%
Mn 258	1539.1	0.0002 mg/L	0.00013	0.0002 mg/L	0.00013	58.76%
Fe 260	858.8	-0.0141 mg/L	0.01026	-0.0141 mg/L	0.01026	72.85%
Cr 268	579.2	0.0007 mg/L	0.00058	0.0007 mg/L	0.00058	86.39%
Mg 279	79.3	0.0021 mg/L	0.00356	0.0021 mg/L	0.00356	171.44%
Al 308	-3.9	-0.0078 mg/L	0.00394	-0.0078 mg/L	0.00394	50.39%
Ca 318	1805.7	-0.0335 mg/L	0.00396	-0.0335 mg/L	0.00396	11.81%
Cu 325	1867.5	0.0051 mg/L	0.00060	0.0051 mg/L	0.00060	11.77%
Ag 328	-829.7	0.0019 mg/L	0.00021	0.0019 mg/L	0.00021	11.20%

Sequence No.: 43 **Autosampler Location: 36**
Sample ID: lcs14543 **Date Collected: 7/2/2009 08:15:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: lcs14543

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: lcs14543

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7075.2	0.395	mg/L	0.0020	0.395	mg/L	0.0020	0.51%
Tl 191	7719.1	0.386	mg/L	0.0109	0.386	mg/L	0.0109	2.82%
Se 196	5416.6	0.374	mg/L	0.0044	0.374	mg/L	0.0044	1.17%
Cd 214	303806.0	0.391	mg/L	0.0017	0.391	mg/L	0.0017	0.43%
Pb 220	17015.6	0.393	mg/L	0.0049	0.393	mg/L	0.0049	1.25%
Ba 234	1639384.1	2.07	mg/L	0.006	2.07	mg/L	0.006	0.29%
Mn 258	1544143.3	0.401	mg/L	0.0051	0.401	mg/L	0.0051	1.28%
Fe 260	187509.7	2.09	mg/L	0.001	2.09	mg/L	0.001	0.05%
Cr 268	238014.4	0.408	mg/L	0.0014	0.408	mg/L	0.0014	0.35%
Mg 279	18111.7	2.03	mg/L	0.004	2.03	mg/L	0.004	0.21%
Al 308	34967.4	2.05	mg/L	0.049	2.05	mg/L	0.049	2.37%
Ca 318	173656.8	2.02	mg/L	0.017	2.02	mg/L	0.017	0.86%
Cu 325	510552.4	0.408	mg/L	0.0092	0.408	mg/L	0.0092	2.25%
Ag 328	333296.5	0.381	mg/L	0.0043	0.381	mg/L	0.0043	1.14%

Sequence No.: 44 **Autosampler Location: 37**
Sample ID: lcd14543 **Date Collected: 7/2/2009 08:20:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: lcd14543

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: lcd14543

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7063.0	0.394	mg/L	0.0038	0.394	mg/L	0.0038	0.97%
Tl 191	7664.3	0.384	mg/L	0.0021	0.384	mg/L	0.0021	0.55%
Se 196	5468.9	0.377	mg/L	0.0077	0.377	mg/L	0.0077	2.04%
Cd 214	309454.0	0.399	mg/L	0.0012	0.399	mg/L	0.0012	0.29%
Pb 220	17336.8	0.401	mg/L	0.0015	0.401	mg/L	0.0015	0.38%
Ba 234	1599339.2	2.02	mg/L	0.082	2.02	mg/L	0.082	4.05%
Mn 258	1559161.1	0.405	mg/L	0.0026	0.405	mg/L	0.0026	0.64%
Fe 260	187939.1	2.09	mg/L	0.013	2.09	mg/L	0.013	0.60%
Cr 268	236417.0	0.405	mg/L	0.0062	0.405	mg/L	0.0062	1.54%
Mg 279	17612.0	1.97	mg/L	0.020	1.97	mg/L	0.020	0.99%
Al 308	34878.3	2.04	mg/L	0.016	2.04	mg/L	0.016	0.80%
Ca 318	174187.3	2.02	mg/L	0.005	2.02	mg/L	0.005	0.25%
Cu 325	512198.3	0.409	mg/L	0.0009	0.409	mg/L	0.0009	0.23%
Ag 328	331193.8	0.379	mg/L	0.0056	0.379	mg/L	0.0056	1.48%

Sequence No.: 45
Sample ID: G563-302-1K
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 38
Date Collected: 7/2/2009 08:25:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G563-302-1K

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G563-302-1K

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2230.7	0.123	mg/L	0.0026	0.123	mg/L	0.0026	2.11%
Tl 191	15.0	0.0067	mg/L	0.00180	0.0067	mg/L	0.00180	26.83%
Se 196	-193.1	0.0187	mg/L	0.00278	0.0187	mg/L	0.00278	14.86%
Cd 214	2042.0	-0.0029	mg/L	0.00004	-0.0029	mg/L	0.00004	1.23%
Pb 220	4185.6	0.0941	mg/L	0.00166	0.0941	mg/L	0.00166	1.77%
Ba 234	355840.1	0.443	mg/L	0.0068	0.443	mg/L	0.0068	1.54%
Mn 258	1449491.4	0.376	mg/L	0.0032	0.376	mg/L	0.0032	0.85%
Fe 260	6633434.3	74.7	mg/L	2.02	74.7	mg/L	2.02	2.71%
Cr 268	204275.4	0.350	mg/L	0.0015	0.350	mg/L	0.0015	0.43%
Mg 279	121030.9	13.6	mg/L	0.14	13.6	mg/L	0.14	1.04%
Al 308	1627207.4	95.7	mg/L	0.47	95.7	mg/L	0.47	0.49%
Ca 318	362192.5	4.26	mg/L	0.005	4.26	mg/L	0.005	0.11%
Cu 325	267230.5	0.215	mg/L	0.0025	0.215	mg/L	0.0025	1.14%
Ag 328	-1056.5	0.0016	mg/L	0.00026	0.0016	mg/L	0.00026	15.95%

Sequence No.: 46
Sample ID: G563-302-1L ms
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 39
Date Collected: 7/2/2009 08:30:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G563-302-1L ms

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G563-302-1L ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7609.6	0.426	mg/L	0.0064	0.426	mg/L	0.0064	1.50%
Tl 191	7678.9	0.385	mg/L	0.0013	0.385	mg/L	0.0013	0.33%
Se 196	5277.4	0.402	mg/L	0.0116	0.402	mg/L	0.0116	2.89%
Cd 214	307445.5	0.392	mg/L	0.0006	0.392	mg/L	0.0006	0.16%
Pb 220	20594.3	0.477	mg/L	0.0045	0.477	mg/L	0.0045	0.94%
Ba 234	1735623.0	2.19	mg/L	0.005	2.19	mg/L	0.005	0.21%
Mn 258	2590515.2	0.673	mg/L	0.0064	0.673	mg/L	0.0064	0.95%
Fe 260	6894658.7	77.6	mg/L	0.10	77.6	mg/L	0.10	0.13%
Cr 268	299785.5	0.514	mg/L	0.0094	0.514	mg/L	0.0094	1.83%
Mg 279	107400.5	12.1	mg/L	0.12	12.1	mg/L	0.12	0.96%
Al 308	1105414.7	65.0	mg/L	0.14	65.0	mg/L	0.14	0.21%
Ca 318	308905.7	3.63	mg/L	0.019	3.63	mg/L	0.019	0.52%
Cu 325	631940.7	0.504	mg/L	0.0016	0.504	mg/L	0.0016	0.32%
Ag 328	329470.0	0.377	mg/L	0.0013	0.377	mg/L	0.0013	0.34%

Sequence No.: 47
Sample ID: ccv4
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 7/2/2009 08:35:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv4

Analyte	Back Pressure	Flow

All	255.0 kPa	0.70 L/min

Mean Data: ccv4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9597.4	0.537	mg/L	0.0023	0.537	mg/L	0.0023	0.43%
Tl 191	10307.0	0.514	mg/L	0.0055	0.514	mg/L	0.0055	1.06%
Se 196	7811.9	0.541	mg/L	0.0068	0.541	mg/L	0.0068	1.26%
Cd 214	415833.1	0.536	mg/L	0.0094	0.536	mg/L	0.0094	1.75%
Pb 220	22959.2	0.532	mg/L	0.0048	0.532	mg/L	0.0048	0.90%
Ba 234	2100618.5	2.65	mg/L	0.031	2.65	mg/L	0.031	1.16%
Mn 258	1999535.2	0.519	mg/L	0.0032	0.519	mg/L	0.0032	0.61%
Fe 260	237466.5	2.65	mg/L	0.003	2.65	mg/L	0.003	0.13%
Cr 268	309564.1	0.531	mg/L	0.0033	0.531	mg/L	0.0033	0.62%
Mg 279	23295.2	2.61	mg/L	0.018	2.61	mg/L	0.018	0.69%
Al 308	45576.6	2.67	mg/L	0.004	2.67	mg/L	0.004	0.14%
Ca 318	221295.1	2.58	mg/L	0.020	2.58	mg/L	0.020	0.78%
Cu 325	622806.6	0.497	mg/L	0.0030	0.497	mg/L	0.0030	0.60%
Ag 328	445951.5	0.509	mg/L	0.0050	0.509	mg/L	0.0050	0.97%

Sequence No.: 48
Sample ID: ccb4
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 7/2/2009 08:40:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb4

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: ccb4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	95.5	0.0010	mg/L	0.00124	0.0010	mg/L	0.00124	118.84%
Tl 191	-123.8	-0.0009	mg/L	0.00534	-0.0009	mg/L	0.00534	590.94%
Se 196	48.7	-0.0019	mg/L	0.00198	-0.0019	mg/L	0.00198	104.85%
Cd 214	233.2	-0.0013	mg/L	0.00022	-0.0013	mg/L	0.00022	16.59%
Pb 220	275.6	0.0029	mg/L	0.00223	0.0029	mg/L	0.00223	77.57%
Ba 234	535.1	-0.0064	mg/L	0.00031	-0.0064	mg/L	0.00031	4.87%
Mn 258	32.4	-0.0002	mg/L	0.00013	-0.0002	mg/L	0.00013	71.22%
Fe 260	-933.4	-0.0343	mg/L	0.00684	-0.0343	mg/L	0.00684	19.96%
Cr 268	191.9	0.0000	mg/L	0.00058	0.0000	mg/L	0.00058	>999.9%
Mg 279	15.1	-0.0051	mg/L	0.00682	-0.0051	mg/L	0.00682	132.66%
Al 308	233.2	0.0061	mg/L	0.01643	0.0061	mg/L	0.01643	267.87%
Ca 318	-332.9	-0.0590	mg/L	0.00205	-0.0590	mg/L	0.00205	3.47%
Cu 325	2476.4	0.0056	mg/L	0.00079	0.0056	mg/L	0.00079	14.06%
Ag 328	120.7	0.0030	mg/L	0.00017	0.0030	mg/L	0.00017	5.85%

Sequence No.: 49
Sample ID: G563-302-1M msd
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 40
Date Collected: 7/2/2009 08:45:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G563-302-1M msd

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G563-302-1M msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7570.8	0.424	mg/L	0.0022	0.424	mg/L	0.0022	0.53%
Tl 191	7536.9	0.378	mg/L	0.0018	0.378	mg/L	0.0018	0.48%
Se 196	5404.0	0.404	mg/L	0.0012	0.404	mg/L	0.0012	0.29%
Cd 214	301139.2	0.385	mg/L	0.0036	0.385	mg/L	0.0036	0.95%

Pb 220	21253.6	0.492	mg/L	0.0052	0.492	mg/L	0.0052	1.05%
Ba 234	1762507.0	2.22	mg/L	0.050	2.22	mg/L	0.050	2.24%
Mn 258	2358837.8	0.612	mg/L	0.0032	0.612	mg/L	0.0032	0.52%
Fe 260	5765232.0	64.9	mg/L	0.40	64.9	mg/L	0.40	0.62%
Cr 268	293438.8	0.503	mg/L	0.0074	0.503	mg/L	0.0074	1.47%
Mg 279	89202.9	10.0	mg/L	0.07	10.0	mg/L	0.07	0.74%
Al 308	1048959.9	61.7	mg/L	0.07	61.7	mg/L	0.07	0.11%
Ca 318	493672.1	5.83	mg/L	0.045	5.83	mg/L	0.045	0.77%
Cu 325	702285.9	0.560	mg/L	0.0005	0.560	mg/L	0.0005	0.09%
Ag 328	317244.6	0.363	mg/L	0.0010	0.363	mg/L	0.0010	0.28%

Sequence No.: 50 **Autosampler Location: 41**
Sample ID: G563-302-1N dup **Date Collected: 7/2/2009 08:49:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G563-302-1N dup

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G563-302-1N dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	570.4	0.0285	mg/L	0.00139	0.0285	mg/L	0.00139	4.88%
Tl 191	-229.2	-0.0056	mg/L	0.00313	-0.0056	mg/L	0.00313	55.85%
Se 196	-51.3	0.0213	mg/L	0.00147	0.0213	mg/L	0.00147	6.88%
Cd 214	1819.3	-0.0024	mg/L	0.00034	-0.0024	mg/L	0.00034	14.17%
Pb 220	4086.1	0.0917	mg/L	0.00091	0.0917	mg/L	0.00091	1.00%
Ba 234	172708.9	0.211	mg/L	0.0017	0.211	mg/L	0.0017	0.80%
Mn 258	894913.0	0.232	mg/L	0.0042	0.232	mg/L	0.0042	1.79%
Fe 260	5349773.0	60.2	mg/L	1.21	60.2	mg/L	1.21	2.02%
Cr 268	63072.9	0.108	mg/L	0.0012	0.108	mg/L	0.0012	1.09%
Mg 279	71032.3	7.99	mg/L	0.038	7.99	mg/L	0.038	0.48%
Al 308	1221647.9	71.8	mg/L	0.53	71.8	mg/L	0.53	0.74%
Ca 318	192274.2	2.24	mg/L	0.002	2.24	mg/L	0.002	0.07%
Cu 325	144858.8	0.118	mg/L	0.0015	0.118	mg/L	0.0015	1.29%
Ag 328	-1033.2	0.0016	mg/L	0.00012	0.0016	mg/L	0.00012	7.60%

Sequence No.: 51 **Autosampler Location: 42**
Sample ID: G563-302-2M **Date Collected: 7/2/2009 08:54:54 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G563-302-2M

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: G563-302-2M

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	375.8	0.0174	mg/L	0.00073	0.0174	mg/L	0.00073	4.20%
Tl 191	-112.8	0.0000	mg/L	0.00099	0.0000	mg/L	0.00099	>999.9%
Se 196	-98.7	0.0119	mg/L	0.00032	0.0119	mg/L	0.00032	2.73%
Cd 214	1600.1	-0.0020	mg/L	0.00051	-0.0020	mg/L	0.00051	24.82%
Pb 220	2607.3	0.0573	mg/L	0.00316	0.0573	mg/L	0.00316	5.52%
Ba 234	84523.9	0.0998	mg/L	0.00155	0.0998	mg/L	0.00155	1.55%
Mn 258	704818.3	0.183	mg/L	0.0018	0.183	mg/L	0.0018	1.00%
Fe 260	4259208.3	48.0	mg/L	0.13	48.0	mg/L	0.13	0.28%
Cr 268	44532.4	0.0761	mg/L	0.00106	0.0761	mg/L	0.00106	1.39%
Mg 279	48794.9	5.48	mg/L	0.036	5.48	mg/L	0.036	0.66%
Al 308	708935.6	41.7	mg/L	0.23	41.7	mg/L	0.23	0.54%
Ca 318	88500.9	1.000	mg/L	0.0150	1.000	mg/L	0.0150	1.50%
Cu 325	64100.5	0.0544	mg/L	0.00154	0.0544	mg/L	0.00154	2.83%
Ag 328	-929.0	0.0018	mg/L	0.00040	0.0018	mg/L	0.00040	22.63%

Sequence No.: 52
Sample ID: icsA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/2/2009 08:59:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: icsA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-24.4	-0.0056	mg/L	0.00406	-0.0056	mg/L	0.00406	71.99%
Tl 191	25.8	0.0065	mg/L	0.00055	0.0065	mg/L	0.00055	8.50%
Se 196	-323.0	0.0257	mg/L	0.00254	0.0257	mg/L	0.00254	9.91%
Cd 214	2505.9	-0.0039	mg/L	0.00035	-0.0039	mg/L	0.00035	8.91%
Pb 220	172.4	0.0005	mg/L	0.00022	0.0005	mg/L	0.00022	46.88%
Ba 234	1339.5	-0.0054	mg/L	0.00037	-0.0054	mg/L	0.00037	6.87%
Mn 258	-3091.7	-0.0010	mg/L	0.00082	-0.0010	mg/L	0.00082	82.67%
Fe 260	9473071.5	107	mg/L	0.1	107	mg/L	0.1	0.08%
Cr 268	1789.4	0.0028	mg/L	0.00000	0.0028	mg/L	0.00000	0.15%
Mg 279	359225.9	40.4	mg/L	0.41	40.4	mg/L	0.41	1.03%
Al 308	1784686.9	105	mg/L	0.8	105	mg/L	0.8	0.72%
Ca 318	3569004.7	42.5	mg/L	1.38	42.5	mg/L	1.38	3.24%
Cu 325	4481.6	0.0072	mg/L	0.00005	0.0072	mg/L	0.00005	0.63%
Ag 328	539.6	0.0034	mg/L	0.00021	0.0034	mg/L	0.00021	6.05%

Sequence No.: 53
Sample ID: icsB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/2/2009 09:04:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: icsB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5528.2	0.308	mg/L	0.0024	0.308	mg/L	0.0024	0.77%
Tl 191	6042.5	0.304	mg/L	0.0027	0.304	mg/L	0.0027	0.89%
Se 196	4270.1	0.345	mg/L	0.0013	0.345	mg/L	0.0013	0.37%
Cd 214	235874.7	0.298	mg/L	0.0023	0.298	mg/L	0.0023	0.76%
Pb 220	13128.3	0.303	mg/L	0.0009	0.303	mg/L	0.0009	0.29%
Ba 234	811950.2	1.02	mg/L	0.022	1.02	mg/L	0.022	2.16%
Mn 258	1135352.7	0.295	mg/L	0.0014	0.295	mg/L	0.0014	0.46%
Fe 260	9319555.7	105	mg/L	0.1	105	mg/L	0.1	0.13%
Cr 268	182253.0	0.312	mg/L	0.0035	0.312	mg/L	0.0035	1.13%
Mg 279	348088.1	39.2	mg/L	0.10	39.2	mg/L	0.10	0.26%
Al 308	1758402.8	103	mg/L	0.6	103	mg/L	0.6	0.62%
Ca 318	3505232.3	41.7	mg/L	0.73	41.7	mg/L	0.73	1.74%
Cu 325	381688.8	0.306	mg/L	0.0044	0.306	mg/L	0.0044	1.45%
Ag 328	260231.8	0.298	mg/L	0.0020	0.298	mg/L	0.0020	0.67%

Sequence No.: 54
Sample ID: ccv5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/2/2009 09:09:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv5

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: ccv5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9631.7	0.539	mg/L	0.0020	0.539	mg/L	0.0020	0.36%
Tl 191	10446.2	0.521	mg/L	0.0076	0.521	mg/L	0.0076	1.45%
Se 196	7822.3	0.542	mg/L	0.0001	0.542	mg/L	0.0001	0.02%
Cd 214	413622.2	0.534	mg/L	0.0029	0.534	mg/L	0.0029	0.55%
Pb 220	23267.9	0.539	mg/L	0.0079	0.539	mg/L	0.0079	1.46%
Ba 234	2092232.6	2.64	mg/L	0.040	2.64	mg/L	0.040	1.50%
Mn 258	1998140.7	0.519	mg/L	0.0059	0.519	mg/L	0.0059	1.14%
Fe 260	239398.8	2.67	mg/L	0.048	2.67	mg/L	0.048	1.79%
Cr 268	310675.7	0.532	mg/L	0.0029	0.532	mg/L	0.0029	0.55%
Mg 279	23650.5	2.65	mg/L	0.083	2.65	mg/L	0.083	3.14%
Al 308	45479.8	2.67	mg/L	0.011	2.67	mg/L	0.011	0.41%
Ca 318	221971.4	2.59	mg/L	0.059	2.59	mg/L	0.059	2.29%
Cu 325	627446.3	0.500	mg/L	0.0085	0.500	mg/L	0.0085	1.70%
Ag 328	438453.4	0.500	mg/L	0.0033	0.500	mg/L	0.0033	0.66%

Sequence No.: 55
Sample ID: ccb5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/2/2009 09:14:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb5

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: ccb5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	43.1	-0.0019	mg/L	0.00003	-0.0019	mg/L	0.00003	1.53%
Tl 191	2.3	0.0053	mg/L	0.00003	0.0053	mg/L	0.00003	0.59%
Se 196	16.9	-0.0041	mg/L	0.00090	-0.0041	mg/L	0.00090	21.89%
Cd 214	119.7	-0.0015	mg/L	0.00037	-0.0015	mg/L	0.00037	24.97%
Pb 220	183.0	0.0007	mg/L	0.00038	0.0007	mg/L	0.00038	53.31%
Ba 234	373.6	-0.0066	mg/L	0.00060	-0.0066	mg/L	0.00060	9.06%
Mn 258	-2257.8	-0.0008	mg/L	0.00014	-0.0008	mg/L	0.00014	17.90%
Fe 260	-429.4	-0.0286	mg/L	0.02395	-0.0286	mg/L	0.02395	83.73%
Cr 268	527.3	0.0006	mg/L	0.00047	0.0006	mg/L	0.00047	79.47%
Mg 279	14.0	-0.0053	mg/L	0.00981	-0.0053	mg/L	0.00981	186.43%
Al 308	-153.0	-0.0166	mg/L	0.01716	-0.0166	mg/L	0.01716	103.49%
Ca 318	-117.6	-0.0564	mg/L	0.00158	-0.0564	mg/L	0.00158	2.80%
Cu 325	2835.7	0.0059	mg/L	0.00022	0.0059	mg/L	0.00022	3.67%
Ag 328	-9.9	0.0028	mg/L	0.00024	0.0028	mg/L	0.00024	8.63%

Analytical Sequence

Method : TALmethod_new

SGS North America, Inc.

070609a

Seq.	Loc.	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3- High	Applied
3	5	Std4- High 0B5063009-1	Applied
4	6	Std5- High	Applied
5	3	Std2- Mid	Applied
6	2	Std1- Low	Applied
7	7	icv	Analyzed
8	8	icsA1	Analyzed
9	9	icsB1	Analyzed
10	2	lowstd	Analyzed
11	3	ccv1	Analyzed
12	1	ccb1	Analyzed
13	10	G368-71-3C x10 - FeMgAl	Analyzed
14	11	G943-232-18B	Analyzed
15	12	G814-68-1C - FeMgCa	Analyzed
16	13	G814-68-2C - FeMgAlCa	Analyzed
17	14	G814-68-3C - MgCa	Analyzed
18	15	G814-68-4C - "	Analyzed
19	16	G814-68-5C - Ca	Analyzed
20	17	G814-68-6B - MgCa	Analyzed
21	18	G814-68-7B - "	Analyzed
22	19	G814-68-8B - "	Analyzed
23	3	ccv2	Analyzed
24	1	ccb2	Analyzed
25	20	G814-68-9B - MgCa	Analyzed
26	21	G814-68-10B - Ca	Analyzed
27	22	G814-69-1C - FeMgAlCa	Analyzed
28	23	G814-69-2C - FeMgCa	Analyzed
29	24	G814-69-3C - MgCa	Analyzed
30	25	G814-69-4C - FeMgCa	Analyzed
31	26	G814-69-5B - MgCa	Analyzed
32	27	G814-69-6B - "	Analyzed
33	28	G814-69-7B - "	Analyzed
34	29	G814-69-8B - "	Analyzed
35	3	ccv3	Analyzed
36	1	ccb3	Analyzed
37	30	fblk062909	Analyzed
38	31	G814-69-8B SDx5 - Ca	Analyzed
39	8	icsA2	Analyzed
40	9	icsB2	Analyzed
41	3	ccv4	Analyzed
42	1	ccb4	Analyzed

Home Login Prep Samples Reports Reference Audit

Procedure Pass One - Looking for Global Failures ...

Checking ICV for failures...

Checking CCB1 for failures...

Checking ICSA1 for failures ...

Checking ICSB1 for failures ...

Flagging additional CCV/CCB/CVS pairs ...

Flagging additional ICSA/ICSB pairs ...

QC Pass 2 ...
Error Guide: G - Global CCV/ICS - Batch SD - Needs Dilution SAT - Saturated
H - High L - Low IS - Internal Standard

G368-71-3C - SD: Al Fe
G943-232-18B - PASS
G814-68-1C - SD: Ca Fe Mg
G814-68-2C - SD: Al Ca Fe Mg
G814-68-3C - SD: Ca Mg
G814-68-4C - SD: Ca Mg
G814-68-5C - SD: Ca
G814-68-6B - SD: Ca Mg
G814-68-7B - SD: Ca Mg
G814-68-8B - SD: Ca Mg
G814-68-9B - SD: Ca Mg
G814-68-10B - SD: Ca
G814-69-1C - SD: Al Fe Mg SAT: Ca
G814-69-2C - SD: Ca Fe Mg
G814-69-3C - SD: Ca Mg
G814-69-4C - SD: Ca Fe Mg
G814-69-5B - SD: Mg SAT: Ca
G814-69-6B - SD: Ca Mg
G814-69-7B - SD: Ca Mg

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G814-69-8B - SD: Ca Mg
fblk062909 - PASS
G814-69-8B - SD: Ca

Return to Upload

Return to PALims

==========

Analysis Begun

Start Time: 7/6/2009 09:37:45 AM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 7/6/2009 09:07:23 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\070609a.sif
Batch ID:
Results Data Set: 070609a
Results Library: C:\pe\Anyone\Results\Results.mdb

==========

Method Loaded

Method Name: TALmethod_new
IEC File: 091406.iec
Method Description: TAL with interference correction

Method Last Saved: 4/14/2009 04:46:02 PM
MSF File:

==========

Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/6/2009 09:37:45 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	225.8	12.67	5.61%	[0.00]	mg/L
Pb 220	986.6	37.26	3.78%	[0.00]	mg/L
Fe 260	5955.4	303.64	5.10%	[0.00]	mg/L
Cr 268	835.2	65.99	7.90%	[0.00]	mg/L
Mg 279	-22.4	176.38	789.17%	[0.00]	mg/L
Al 308	3528.2	228.76	6.48%	[0.00]	mg/L
Ca 318	6199.3	171.82	2.77%	[0.00]	mg/L
Ag 328	-1398.5	200.30	14.32%	[0.00]	mg/L

==========

Sequence No.: 2
Sample ID: Std3- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/6/2009 09:42:03 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3- High

Analyte	Back Pressure	Flow
All	256.0 kPa	0.70 L/min

Mean Data: Std3- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	18470.6	74.33	0.40%	[1]	mg/L
Pb 220	45529.8	461.67	1.01%	[1]	mg/L
Cr 268	608580.3	7188.31	1.18%	[1]	mg/L

==========

Sequence No.: 3
Sample ID: Std4- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 7/6/2009 09:44:45 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std4- High

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std4- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Fe 260	454461.1	3340.06	0.73%	[5]	mg/L
Mg 279	46019.9	367.43	0.80%	[5]	mg/L
Al 308	88164.6	336.84	0.38%	[5]	mg/L
Ca 318	438719.3	15200.12	3.46%	[5]	mg/L

Sequence No.: 4
Sample ID: Std5- High
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 7/6/2009 09:47:35 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std5- High

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std5- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328	936390.3	15089.44	1.61%	[1]	mg/L

Sequence No.: 5
Sample ID: Std2- Mid
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 7/6/2009 09:49:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std2- Mid

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std2- Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	9241.7	38.87	0.42%	[0.5]	mg/L
Pb 220	22019.6	43.11	0.20%	[0.5]	mg/L
Fe 260	232024.2	2125.50	0.92%	[2.5]	mg/L
Cr 268	297659.0	136.92	0.05%	[0.5]	mg/L
Mg 279	22216.2	222.96	1.00%	[2.5]	mg/L
Al 308	43253.0	490.15	1.13%	[2.5]	mg/L
Ca 318	211372.4	1659.06	0.78%	[2.5]	mg/L
Ag 328	437558.4	5087.21	1.16%	[0.5]	mg/L

Sequence No.: 6
Sample ID: Std1- Low
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 7/6/2009 09:53:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std1- Low

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std1- Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units

As 189	243.6	0.97	0.40%	[0.01]	mg/L
Pb 220	521.1	36.76	7.05%	[0.01]	mg/L
Fe 260	10950.1	0.00	0.00%	[0.1]	mg/L
Cr 268	6630.2	410.76	6.20%	[0.01]	mg/L
Mg 279	1170.9	26.88	2.30%	[0.1]	mg/L
Al 308	1932.5	335.32	17.35%	[0.1]	mg/L
Ca 318	18583.2	631.08	3.40%	[0.1]	mg/L
Ag 328	9314.5	81.90	0.88%	[0.01]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
As 189	3	Lin, Calc Int	27.9	18440	0.00000	0.999996	
Pb 220	3	Lin, Calc Int	-105.8	45360	0.00000	0.999848	
Fe 260	3	Lin, Calc Int	1717.1	90860	0.00000	0.999945	
Cr 268	3	Lin, Calc Int	-959.7	607100	0.00000	0.999933	
Mg 279	3	Lin, Calc Int	-31.1	9149	0.00000	0.999798	
Al 308	3	Lin, Calc Int	-74.4	17590	0.00000	0.999945	
Ca 318	3	Lin, Calc Int	2991.2	86410	0.00000	0.999486	
Ag 328	3	Lin, Calc Int	-5598.4	930900	0.00000	0.999421	

Sequence No.: 7
Sample ID: icv
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/6/2009 09:57:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	19547.7	1.07	mg/L	0.016	1.07	mg/L	0.016	1.53%
Pb 220	46758.2	1.03	mg/L	0.026	1.03	mg/L	0.026	2.50%
Fe 260	97906.6	1.06	mg/L	0.010	1.06	mg/L	0.010	0.95%
Cr 268	637234.7	1.05	mg/L	0.006	1.05	mg/L	0.006	0.57%
Mg 279	9191.7	1.01	mg/L	0.003	1.01	mg/L	0.003	0.27%
Al 308	18484.3	1.06	mg/L	0.021	1.06	mg/L	0.021	1.97%
Ca 318	90574.2	1.01	mg/L	0.018	1.01	mg/L	0.018	1.82%
Ag 328	448446.9	0.488	mg/L	0.0066	0.488	mg/L	0.0066	1.34%

Sequence No.: 8
Sample ID: icsA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/6/2009 10:01:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: icsA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	229.0	0.0109	mg/L	0.00081	0.0109	mg/L	0.00081	7.41%
Pb 220	101.3	0.0046	mg/L	0.00168	0.0046	mg/L	0.00168	36.75%
Fe 260	9541712.4	105	mg/L	0.4	105	mg/L	0.4	0.42%
Cr 268	1692.6	0.0044	mg/L	0.00023	0.0044	mg/L	0.00023	5.16%
Mg 279	364321.4	39.8	mg/L	0.74	39.8	mg/L	0.74	1.86%
Al 308	1787439.5	102	mg/L	1.7	102	mg/L	1.7	1.62%
Ca 318	3536901.9	40.9	mg/L	0.41	40.9	mg/L	0.41	1.00%
Ag 328	-194.7	0.0058	mg/L	0.00002	0.0058	mg/L	0.00002	0.26%

Sequence No.: 9
Sample ID: icsB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/6/2009 10:04:43 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5547.8	0.302	mg/L	0.0004	0.302	mg/L	0.0004	0.15%
Pb 220	12185.4	0.271	mg/L	0.0031	0.271	mg/L	0.0031	1.14%
Fe 260	8729189.3	96.0	mg/L	1.17	96.0	mg/L	1.17	1.22%
Cr 268	168458.3	0.279	mg/L	0.0037	0.279	mg/L	0.0037	1.33%
Mg 279	342383.5	37.4	mg/L	0.78	37.4	mg/L	0.78	2.07%
Al 308	1663675.5	94.6	mg/L	0.02	94.6	mg/L	0.02	0.02%
Ca 318	3278862.2	37.9	mg/L	0.33	37.9	mg/L	0.33	0.87%
Ag 328	248852.1	0.273	mg/L	0.0025	0.273	mg/L	0.0025	0.92%

Sequence No.: 10
Sample ID: lowstd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/6/2009 10:08:34 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	262.6	0.0128	mg/L	0.00107	0.0128	mg/L	0.00107	8.37%
Pb 220	403.6	0.0112	mg/L	0.00037	0.0112	mg/L	0.00037	3.29%
Fe 260	10590.7	0.0977	mg/L	0.00777	0.0977	mg/L	0.00777	7.96%
Cr 268	5859.2	0.0112	mg/L	0.00023	0.0112	mg/L	0.00023	2.01%
Mg 279	1057.6	0.119	mg/L	0.0094	0.119	mg/L	0.0094	7.87%
Al 308	1977.0	0.117	mg/L	0.0007	0.117	mg/L	0.0007	0.61%
Ca 318	18230.8	0.176	mg/L	0.0046	0.176	mg/L	0.0046	2.61%
Ag 328	8365.6	0.0150	mg/L	0.00017	0.0150	mg/L	0.00017	1.11%

Sequence No.: 11
Sample ID: ccv1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/6/2009 10:12:14 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	8859.5	0.483	mg/L	0.0027	0.483	mg/L	0.0027	0.55%
Pb 220	21339.2	0.473	mg/L	0.0067	0.473	mg/L	0.0067	1.41%
Fe 260	224654.1	2.45	mg/L	0.004	2.45	mg/L	0.004	0.18%
Cr 268	287296.1	0.475	mg/L	0.0014	0.475	mg/L	0.0014	0.28%
Mg 279	21927.6	2.40	mg/L	0.002	2.40	mg/L	0.002	0.09%
Al 308	41311.7	2.35	mg/L	0.011	2.35	mg/L	0.011	0.48%

Ca 318	201055.3	2.29 mg/L	0.016	2.29 mg/L	0.016	0.71%
Ag 328	427193.2	0.465 mg/L	0.0062	0.465 mg/L	0.0062	1.33%

Sequence No.: 12
Sample ID: ccb1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/6/2009 10:15:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccb1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	74.6	0.0025	mg/L	0.00070	0.0025	mg/L	0.00070	27.74%
Pb 220	71.2	0.0039	mg/L	0.00076	0.0039	mg/L	0.00076	19.54%
Fe 260	1073.5	-0.0071	mg/L	0.00000	-0.0071	mg/L	0.00000	0.00%
Cr 268	-143.5	0.0013	mg/L	0.00090	0.0013	mg/L	0.00090	67.10%
Mg 279	82.9	0.0125	mg/L	0.01384	0.0125	mg/L	0.01384	111.03%
Al 308	-64.9	0.0005	mg/L	0.00779	0.0005	mg/L	0.00779	>999.9%
Ca 318	774.4	-0.0257	mg/L	0.00238	-0.0257	mg/L	0.00238	9.27%
Ag 328	-538.4	0.0054	mg/L	0.00038	0.0054	mg/L	0.00038	7.01%

Sequence No.: 13
Sample ID: G368-71-3C x10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 7/6/2009 10:19:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-71-3C x10

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G368-71-3C x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	130.4	0.0057	mg/L	0.00023	0.0057	mg/L	0.00023	4.08%
Pb 220	13052.9	0.290	mg/L	0.0019	0.290	mg/L	0.0019	0.67%
Fe 260	3155401.8	34.7	mg/L	0.00	34.7	mg/L	0.00	0.01%
Cr 268	11376.0	0.0203	mg/L	0.00045	0.0203	mg/L	0.00045	2.20%
Mg 279	18371.8	2.01	mg/L	0.043	2.01	mg/L	0.043	2.12%
Al 308	236376.0	13.4	mg/L	0.19	13.4	mg/L	0.19	1.40%
Ca 318	68430.2	0.757	mg/L	0.0154	0.757	mg/L	0.0154	2.03%
Ag 328	-488.8	0.0055	mg/L	0.00021	0.0055	mg/L	0.00021	3.87%

Sequence No.: 14
Sample ID: G943-232-18B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 7/6/2009 10:23:21 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G943-232-18B

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G943-232-18B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	14.2	-0.0007	mg/L	0.00089	-0.0007	mg/L	0.00089	123.42%
Pb 220	165.7	0.0060	mg/L	0.00150	0.0060	mg/L	0.00150	25.15%
Fe 260	2361.8	0.0071	mg/L	0.00000	0.0071	mg/L	0.00000	0.00%

Cr 268	532.5	0.0025 mg/L	0.00000	0.0025 mg/L	0.00000	0.17%
Mg 279	1218.6	0.137 mg/L	0.0031	0.137 mg/L	0.0031	2.25%
Al 308	480.2	0.0315 mg/L	0.01066	0.0315 mg/L	0.01066	33.80%
Ca 318	135491.4	1.53 mg/L	0.008	1.53 mg/L	0.008	0.53%
Ag 328	-722.9	0.0052 mg/L	0.00009	0.0052 mg/L	0.00009	1.63%

Sequence No.: 15
Sample ID: G814-68-1C
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 12
Date Collected: 7/6/2009 10:27:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-68-1C

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G814-68-1C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	85.5	0.0032	mg/L	0.00151	0.0032	mg/L	0.00151	46.72%
Pb 220	380.0	0.0107	mg/L	0.00095	0.0107	mg/L	0.00095	8.82%
Fe 260	666806.8	7.32	mg/L	0.074	7.32	mg/L	0.074	1.00%
Cr 268	7256.0	0.0135	mg/L	0.00034	0.0135	mg/L	0.00034	2.50%
Mg 279	163052.6	17.8	mg/L	0.46	17.8	mg/L	0.46	2.59%
Al 308	77575.7	4.42	mg/L	0.016	4.42	mg/L	0.016	0.37%
Ca 318	12549318.5	145	mg/L	0.4	145	mg/L	0.4	0.30%
Ag 328	93.4	0.0061	mg/L	0.00007	0.0061	mg/L	0.00007	1.11%

Sequence No.: 16
Sample ID: G814-68-2C
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 13
Date Collected: 7/6/2009 10:30:52 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-68-2C

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G814-68-2C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	125.0	0.0055	mg/L	0.00009	0.0055	mg/L	0.00009	1.57%
Pb 220	734.1	0.0185	mg/L	0.00065	0.0185	mg/L	0.00065	3.49%
Fe 260	1698186.8	18.7	mg/L	0.32	18.7	mg/L	0.32	1.70%
Cr 268	13601.1	0.0240	mg/L	0.00045	0.0240	mg/L	0.00045	1.88%
Mg 279	76439.1	8.36	mg/L	0.085	8.36	mg/L	0.085	1.02%
Al 308	165946.6	9.44	mg/L	0.008	9.44	mg/L	0.008	0.08%
Ca 318	3732342.3	43.2	mg/L	0.78	43.2	mg/L	0.78	1.80%
Ag 328	-975.6	0.0050	mg/L	0.00016	0.0050	mg/L	0.00016	3.32%

Sequence No.: 17
Sample ID: G814-68-3C
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 14
Date Collected: 7/6/2009 10:34:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-68-3C

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G814-68-3C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

As 189	71.2	0.0024 mg/L	0.00032	0.0024 mg/L	0.00032	13.41%
Pb 220	140.2	0.0054 mg/L	0.00249	0.0054 mg/L	0.00249	46.00%
Fe 260	135765.2	1.48 mg/L	0.002	1.48 mg/L	0.002	0.15%
Cr 268	2034.9	0.0049 mg/L	0.00011	0.0049 mg/L	0.00011	2.29%
Mg 279	343744.8	37.6 mg/L	0.74	37.6 mg/L	0.74	1.98%
Al 308	7297.0	0.419 mg/L	0.0003	0.419 mg/L	0.0003	0.07%
Ca 318	14240309.5	165 mg/L	0.1	165 mg/L	0.1	0.06%
Ag 328	-298.9	0.0057 mg/L	0.00000	0.0057 mg/L	0.00000	0.05%

Sequence No.: 18
Sample ID: G814-68-4C
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 15
Date Collected: 7/6/2009 10:38:19 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-68-4C

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G814-68-4C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	11.4	-0.0009	mg/L	0.00038	-0.0009	mg/L	0.00038	43.55%
Pb 220	170.2	0.0061	mg/L	0.00167	0.0061	mg/L	0.00167	27.39%
Fe 260	30987.9	0.322	mg/L	0.0111	0.322	mg/L	0.0111	3.45%
Cr 268	340.6	0.0021	mg/L	0.00000	0.0021	mg/L	0.00000	0.00%
Mg 279	129800.0	14.2	mg/L	0.08	14.2	mg/L	0.08	0.58%
Al 308	1540.3	0.0918	mg/L	0.00248	0.0918	mg/L	0.00248	2.70%
Ca 318	9026712.1	104	mg/L	0.6	104	mg/L	0.6	0.60%
Ag 328	-545.0	0.0054	mg/L	0.00016	0.0054	mg/L	0.00016	2.90%

Sequence No.: 19
Sample ID: G814-68-5C
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 16
Date Collected: 7/6/2009 10:42:02 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-68-5C

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G814-68-5C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	40.1	0.0007	mg/L	0.00153	0.0007	mg/L	0.00153	224.44%
Pb 220	190.0	0.0065	mg/L	0.00187	0.0065	mg/L	0.00187	28.68%
Fe 260	90177.1	0.974	mg/L	0.0167	0.974	mg/L	0.0167	1.72%
Cr 268	774.5	0.0029	mg/L	0.00011	0.0029	mg/L	0.00011	3.81%
Mg 279	31321.9	3.43	mg/L	0.035	3.43	mg/L	0.035	1.02%
Al 308	4828.2	0.279	mg/L	0.0042	0.279	mg/L	0.0042	1.51%
Ca 318	1709597.3	19.8	mg/L	0.25	19.8	mg/L	0.25	1.27%
Ag 328	-535.9	0.0054	mg/L	0.00002	0.0054	mg/L	0.00002	0.28%

Sequence No.: 20
Sample ID: G814-68-6B
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 17
Date Collected: 7/6/2009 10:45:43 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-68-6B

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G814-68-6B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	40.6	0.0007	mg/L	0.00036	0.0007	mg/L	0.00036	50.22%
Pb 220	41.8	0.0033	mg/L	0.00187	0.0033	mg/L	0.00187	57.60%
Fe 260	1073.5	-0.0071	mg/L	0.00000	-0.0071	mg/L	0.00000	0.00%
Cr 268	338.9	0.0021	mg/L	0.00022	0.0021	mg/L	0.00022	10.35%
Mg 279	138844.1	15.2	mg/L	0.17	15.2	mg/L	0.17	1.10%
Al 308	48.4	0.0070	mg/L	0.00849	0.0070	mg/L	0.00849	121.61%
Ca 318	12566904.1	145	mg/L	0.5	145	mg/L	0.5	0.35%
Ag 328	-426.6	0.0056	mg/L	0.00003	0.0056	mg/L	0.00003	0.50%

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Sequence No.: 21 **Autosampler Location: 18**
Sample ID: G814-68-7B **Date Collected: 7/6/2009 10:49:24 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G814-68-7B

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G814-68-7B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	28.3	0.0001	mg/L	0.00174	0.0001	mg/L	0.00174	>999.9%
Pb 220	181.3	0.0063	mg/L	0.00034	0.0063	mg/L	0.00034	5.41%
Fe 260	214.7	-0.0165	mg/L	0.00668	-0.0165	mg/L	0.00668	40.42%
Cr 268	1405.6	0.0039	mg/L	0.00000	0.0039	mg/L	0.00000	0.00%
Mg 279	59894.3	6.55	mg/L	0.032	6.55	mg/L	0.032	0.48%
Al 308	-61.1	0.0008	mg/L	0.00031	0.0008	mg/L	0.00031	40.96%
Ca 318	3551341.3	41.1	mg/L	1.19	41.1	mg/L	1.19	2.90%
Ag 328	-762.7	0.0052	mg/L	0.00018	0.0052	mg/L	0.00018	3.54%

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Sequence No.: 22 **Autosampler Location: 19**
Sample ID: G814-68-8B **Date Collected: 7/6/2009 10:53:06 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G814-68-8B

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G814-68-8B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	12.6	-0.0008	mg/L	0.00067	-0.0008	mg/L	0.00067	82.81%
Pb 220	157.7	0.0058	mg/L	0.00060	0.0058	mg/L	0.00060	10.28%
Fe 260	70.1	-0.0181	mg/L	0.00893	-0.0181	mg/L	0.00893	49.29%
Cr 268	46.7	0.0017	mg/L	0.00023	0.0017	mg/L	0.00023	13.61%
Mg 279	362328.6	39.6	mg/L	0.24	39.6	mg/L	0.24	0.62%
Al 308	-205.2	-0.0074	mg/L	0.00287	-0.0074	mg/L	0.00287	38.64%
Ca 318	15147984.8	175	mg/L	0.7	175	mg/L	0.7	0.40%
Ag 328	-808.4	0.0051	mg/L	0.00003	0.0051	mg/L	0.00003	0.56%

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Sequence No.: 23 **Autosampler Location: 3**
Sample ID: ccv2 **Date Collected: 7/6/2009 10:56:46 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow

All	258.0 kPa	0.70 L/min

Mean Data: ccv2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9203.8	0.502	mg/L	0.0011	0.502	mg/L	0.0011	0.22%
Pb 220	21751.0	0.482	mg/L	0.0000	0.482	mg/L	0.0000	0.01%
Fe 260	232313.5	2.54	mg/L	0.003	2.54	mg/L	0.003	0.13%
Cr 268	295622.4	0.489	mg/L	0.0011	0.489	mg/L	0.0011	0.23%
Mg 279	22480.4	2.46	mg/L	0.003	2.46	mg/L	0.003	0.10%
Al 308	42776.6	2.44	mg/L	0.019	2.44	mg/L	0.019	0.80%
Ca 318	211700.6	2.42	mg/L	0.040	2.42	mg/L	0.040	1.65%
Ag 328	438919.8	0.478	mg/L	0.0005	0.478	mg/L	0.0005	0.11%

Sequence No.: 24
Sample ID: ccb2
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 7/6/2009 11:00:29 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	52.0	0.0013	mg/L	0.00049	0.0013	mg/L	0.00049	37.24%
Pb 220	145.7	0.0055	mg/L	0.00064	0.0055	mg/L	0.00064	11.47%
Fe 260	-644.1	-0.0260	mg/L	0.00668	-0.0260	mg/L	0.00668	25.72%
Cr 268	-191.9	0.0013	mg/L	0.00011	0.0013	mg/L	0.00011	8.92%
Mg 279	55.7	0.0095	mg/L	0.01067	0.0095	mg/L	0.01067	112.41%
Al 308	48.4	0.0070	mg/L	0.00071	0.0070	mg/L	0.00071	10.13%
Ca 318	680.6	-0.0267	mg/L	0.01006	-0.0267	mg/L	0.01006	37.60%
Ag 328	-118.6	0.0059	mg/L	0.00014	0.0059	mg/L	0.00014	2.35%

Sequence No.: 25
Sample ID: G814-68-9B
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 20
Date Collected: 7/6/2009 11:04:15 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-68-9B

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G814-68-9B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	13.9	-0.0007	mg/L	0.00073	-0.0007	mg/L	0.00073	97.44%
Pb 220	20.5	0.0028	mg/L	0.00149	0.0028	mg/L	0.00149	53.53%
Fe 260	-0.0	-0.0189	mg/L	0.01003	-0.0189	mg/L	0.01003	53.05%
Cr 268	1.7	0.0016	mg/L	0.00011	0.0016	mg/L	0.00011	7.12%
Mg 279	129356.6	14.1	mg/L	0.04	14.1	mg/L	0.04	0.25%
Al 308	298.2	0.0212	mg/L	0.02017	0.0212	mg/L	0.02017	95.21%
Ca 318	8954625.0	104	mg/L	0.3	104	mg/L	0.3	0.28%
Ag 328	-893.5	0.0051	mg/L	0.00002	0.0051	mg/L	0.00002	0.35%

Sequence No.: 26
Sample ID: G814-68-10B
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 21
Date Collected: 7/6/2009 11:07:54 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-68-10B

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G814-68-10B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	11.6	-0.0009	mg/L	0.00130	-0.0009	mg/L	0.00130	149.67%
Pb 220	14.1	0.0026	mg/L	0.00130	0.0026	mg/L	0.00130	49.13%
Fe 260	1288.2	-0.0047	mg/L	0.00334	-0.0047	mg/L	0.00334	70.80%
Cr 268	288.7	0.0021	mg/L	0.00056	0.0021	mg/L	0.00056	27.42%
Mg 279	33082.7	3.62	mg/L	0.041	3.62	mg/L	0.041	1.13%
Al 308	88.0	0.0092	mg/L	0.00389	0.0092	mg/L	0.00389	42.15%
Ca 318	1802104.5	20.8	mg/L	0.02	20.8	mg/L	0.02	0.11%
Ag 328	-1103.9	0.0048	mg/L	0.00003	0.0048	mg/L	0.00003	0.52%

Sequence No.: 27
Sample ID: G814-69-1C
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 7/6/2009 11:11:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-69-1C

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G814-69-1C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	787.1	0.0450	mg/L	0.00191	0.0450	mg/L	0.00191	4.25%
Pb 220	8902.6	0.199	mg/L	0.0025	0.199	mg/L	0.0025	1.26%
Fe 260	14448333.8	159	mg/L	1.7	159	mg/L	1.7	1.06%
Cr 268	281003.0	0.464	mg/L	0.0034	0.464	mg/L	0.0034	0.73%
Mg 279	1849015.1	202	mg/L	1.3	202	mg/L	1.3	0.62%
Al 308	520862.4	29.6	mg/L	0.03	29.6	mg/L	0.03	0.10%
Ca 318	Saturated4							
Ag 328	-210.6	0.0058	mg/L	0.00000	0.0058	mg/L	0.00000	0.07%

Sequence No.: 28
Sample ID: G814-69-2C
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 7/6/2009 11:15:21 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-69-2C

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G814-69-2C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	159.9	0.0072	mg/L	0.00050	0.0072	mg/L	0.00050	6.94%
Pb 220	395.6	0.0111	mg/L	0.00268	0.0111	mg/L	0.00268	24.20%
Fe 260	1202716.6	13.2	mg/L	0.09	13.2	mg/L	0.09	0.66%
Cr 268	3431.8	0.0072	mg/L	0.00000	0.0072	mg/L	0.00000	0.00%
Mg 279	164029.9	17.9	mg/L	0.42	17.9	mg/L	0.42	2.32%
Al 308	49841.5	2.84	mg/L	0.003	2.84	mg/L	0.003	0.12%
Ca 318	11226526.9	130	mg/L	0.2	130	mg/L	0.2	0.16%
Ag 328	-708.2	0.0053	mg/L	0.00018	0.0053	mg/L	0.00018	3.50%

Sequence No.: 29
Sample ID: G814-69-3C
Analyst:

Autosampler Location: 24
Date Collected: 7/6/2009 11:19:06 AM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: G814-69-3C

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G814-69-3C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	64.0	0.0020	mg/L	0.00094	0.0020	mg/L	0.00094	47.22%
Pb 220	275.7	0.0084	mg/L	0.00164	0.0084	mg/L	0.00164	19.45%
Fe 260	1857.8	0.0015	mg/L	0.00334	0.0015	mg/L	0.00334	215.85%
Cr 268	969.9	0.0032	mg/L	0.00034	0.0032	mg/L	0.00034	10.64%
Mg 279	126363.2	13.8	mg/L	0.08	13.8	mg/L	0.08	0.55%
Al 308	-52.3	0.0013	mg/L	0.00102	0.0013	mg/L	0.00102	80.89%
Ca 318	10158206.0	118	mg/L	0.4	118	mg/L	0.4	0.36%
Ag 328	-833.1	0.0051	mg/L	0.00002	0.0051	mg/L	0.00002	0.37%

Sequence No.: 30 Autosampler Location: 25
Sample ID: G814-69-4C Date Collected: 7/6/2009 11:22:52 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: G814-69-4C

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G814-69-4C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	163.4	0.0075	mg/L	0.00310	0.0075	mg/L	0.00310	41.51%
Pb 220	608.2	0.0157	mg/L	0.00306	0.0157	mg/L	0.00306	19.45%
Fe 260	1149609.3	12.6	mg/L	0.33	12.6	mg/L	0.33	2.65%
Cr 268	7211.1	0.0135	mg/L	0.00023	0.0135	mg/L	0.00023	1.68%
Mg 279	237078.2	25.9	mg/L	0.10	25.9	mg/L	0.10	0.40%
Al 308	70757.9	4.03	mg/L	0.012	4.03	mg/L	0.012	0.31%
Ca 318	10601311.7	123	mg/L	1.1	123	mg/L	1.1	0.93%
Ag 328	-743.7	0.0052	mg/L	0.00018	0.0052	mg/L	0.00018	3.45%

Sequence No.: 31 Autosampler Location: 26
Sample ID: G814-69-5B Date Collected: 7/6/2009 11:26:43 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: G814-69-5B

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G814-69-5B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	71.5	0.0024	mg/L	0.00100	0.0024	mg/L	0.00100	42.03%
Pb 220	477.2	0.0129	mg/L	0.00098	0.0129	mg/L	0.00098	7.59%
Fe 260	2361.8	0.0071	mg/L	0.00000	0.0071	mg/L	0.00000	0.00%
Cr 268	-433.9	0.0009	mg/L	0.00023	0.0009	mg/L	0.00023	26.04%
Mg 279	1778996.7	194	mg/L	0.6	194	mg/L	0.6	0.29%
Al 308	-105.6	-0.0018	mg/L	0.00389	-0.0018	mg/L	0.00389	219.41%
Ca 318	Saturated4							
Ag 328	-120.9	0.0059	mg/L	0.00021	0.0059	mg/L	0.00021	3.61%

Sequence No.: 32
Sample ID: G814-69-6B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 7/6/2009 11:30:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-69-6B

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G814-69-6B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	36.5	0.0005	mg/L	0.00092	0.0005	mg/L	0.00092	191.54%
Pb 220	146.5	0.0056	mg/L	0.00105	0.0056	mg/L	0.00105	18.84%
Fe 260	429.4	-0.0142	mg/L	0.00334	-0.0142	mg/L	0.00334	23.58%
Cr 268	287.0	0.0021	mg/L	0.00011	0.0021	mg/L	0.00011	5.29%
Mg 279	151306.4	16.5	mg/L	0.06	16.5	mg/L	0.06	0.39%
Al 308	181.0	0.0145	mg/L	0.00420	0.0145	mg/L	0.00420	28.95%
Ca 318	10830506.2	125	mg/L	0.0	125	mg/L	0.0	0.00%
Ag 328	-845.6	0.0051	mg/L	0.00015	0.0051	mg/L	0.00015	2.91%

Sequence No.: 33
Sample ID: G814-69-7B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 7/6/2009 11:34:03 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-69-7B

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G814-69-7B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	39.8	0.0007	mg/L	0.00037	0.0007	mg/L	0.00037	55.58%
Pb 220	132.7	0.0053	mg/L	0.00061	0.0053	mg/L	0.00061	11.66%
Fe 260	1143.6	-0.0063	mg/L	0.01228	-0.0063	mg/L	0.01228	194.51%
Cr 268	966.4	0.0032	mg/L	0.00034	0.0032	mg/L	0.00034	10.66%
Mg 279	124306.0	13.6	mg/L	0.13	13.6	mg/L	0.13	0.95%
Al 308	-3.9	0.0040	mg/L	0.02048	0.0040	mg/L	0.02048	510.56%
Ca 318	9987115.8	116	mg/L	0.4	116	mg/L	0.4	0.37%
Ag 328	-617.9	0.0054	mg/L	0.00017	0.0054	mg/L	0.00017	3.18%

Sequence No.: 34
Sample ID: G814-69-8B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 7/6/2009 11:37:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-69-8B

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: G814-69-8B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	52.3	0.0013	mg/L	0.00098	0.0013	mg/L	0.00098	73.56%
Pb 220	159.1	0.0058	mg/L	0.00091	0.0058	mg/L	0.00091	15.65%
Fe 260	70.1	-0.0181	mg/L	0.00225	-0.0181	mg/L	0.00225	12.42%
Cr 268	98.6	0.0017	mg/L	0.00011	0.0017	mg/L	0.00011	6.47%
Mg 279	216704.6	23.7	mg/L	0.16	23.7	mg/L	0.16	0.66%
Al 308	141.4	0.0123	mg/L	0.00102	0.0123	mg/L	0.00102	8.30%
Ca 318	9763434.9	113	mg/L	0.5	113	mg/L	0.5	0.42%

Ag 328	-681.5	0.0053 mg/L	0.00003	0.0053 mg/L	0.00003	0.47%

==========

Sequence No.: 35 **Autosampler Location: 3**
Sample ID: ccv3 **Date Collected: 7/6/2009 11:41:28 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ccv3

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: ccv3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9053.8	0.493	mg/L	0.0035	0.493	mg/L	0.0035	0.72%
Pb 220	21434.4	0.475	mg/L	0.0002	0.475	mg/L	0.0002	0.04%
Fe 260	219501.1	2.40	mg/L	0.056	2.40	mg/L	0.056	2.32%
Cr 268	288705.2	0.477	mg/L	0.0006	0.477	mg/L	0.0006	0.12%
Mg 279	21662.7	2.37	mg/L	0.029	2.37	mg/L	0.029	1.22%
Al 308	41377.7	2.36	mg/L	0.016	2.36	mg/L	0.016	0.68%
Ca 318	205062.4	2.34	mg/L	0.026	2.34	mg/L	0.026	1.10%
Ag 328	429073.4	0.467	mg/L	0.0025	0.467	mg/L	0.0025	0.54%

==========

Sequence No.: 36 **Autosampler Location: 1**
Sample ID: ccb3 **Date Collected: 7/6/2009 11:45:09 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ccb3

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: ccb3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	21.5	-0.0003	mg/L	0.00163	-0.0003	mg/L	0.00163	486.84%
Pb 220	114.1	0.0048	mg/L	0.00017	0.0048	mg/L	0.00017	3.46%
Fe 260	644.1	-0.0118	mg/L	0.01337	-0.0118	mg/L	0.01337	113.20%
Cr 268	96.8	0.0017	mg/L	0.00033	0.0017	mg/L	0.00033	19.21%
Mg 279	1.8	0.0036	mg/L	0.00160	0.0036	mg/L	0.00160	44.53%
Al 308	105.6	0.0102	mg/L	0.00389	0.0102	mg/L	0.00389	38.03%
Ca 318	567.7	-0.0280	mg/L	0.00116	-0.0280	mg/L	0.00116	4.14%
Ag 328	-521.1	0.0055	mg/L	0.00004	0.0055	mg/L	0.00004	0.78%

==========

Sequence No.: 37 **Autosampler Location: 30**
Sample ID: fblk062909 **Date Collected: 7/6/2009 11:48:45 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: fblk062909

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: fblk062909

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	38.4	0.0006	mg/L	0.00112	0.0006	mg/L	0.00112	193.69%
Pb 220	133.2	0.0053	mg/L	0.00094	0.0053	mg/L	0.00094	17.88%
Fe 260	1073.5	-0.0071	mg/L	0.01787	-0.0071	mg/L	0.01787	252.30%
Cr 268	-145.2	0.0013	mg/L	0.00045	0.0013	mg/L	0.00045	33.32%

Mg 279	99.3	0.0143	mg/L	0.00102	0.0143	mg/L	0.00102	7.14%
Al 308	233.2	0.0175	mg/L	0.00000	0.0175	mg/L	0.00000	0.00%
Ca 318	-1192.1	-0.0484	mg/L	0.00614	-0.0484	mg/L	0.00614	12.69%
Ag 328	-1083.1	0.0049	mg/L	0.00006	0.0049	mg/L	0.00006	1.27%

Sequence No.: 38
Sample ID: G814-69-8B SDx5
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 31
Date Collected: 7/6/2009 11:52:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G814-69-8B SDx5

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G814-69-8B SDx5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	48.8	0.0011	mg/L	0.00093	0.0011	mg/L	0.00093	81.65%
Pb 220	196.9	0.0067	mg/L	0.00042	0.0067	mg/L	0.00042	6.35%
Fe 260	1503.0	-0.0024	mg/L	0.00668	-0.0024	mg/L	0.00668	283.59%
Cr 268	-191.9	0.0013	mg/L	0.00034	0.0013	mg/L	0.00034	26.75%
Mg 279	43317.0	4.74	mg/L	0.116	4.74	mg/L	0.116	2.45%
Al 308	250.8	0.0185	mg/L	0.00000	0.0185	mg/L	0.00000	0.00%
Ca 318	1845860.1	21.3	mg/L	0.19	21.3	mg/L	0.19	0.87%
Ag 328	-452.2	0.0055	mg/L	0.00004	0.0055	mg/L	0.00004	0.80%

Sequence No.: 39
Sample ID: icsA2
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 8
Date Collected: 7/6/2009 11:56:12 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: icsA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	108.6	0.0044	mg/L	0.00317	0.0044	mg/L	0.00317	71.93%
Pb 220	55.6	0.0036	mg/L	0.00090	0.0036	mg/L	0.00090	25.37%
Fe 260	9522603.4	105	mg/L	2.4	105	mg/L	2.4	2.28%
Cr 268	1549.1	0.0041	mg/L	0.00033	0.0041	mg/L	0.00033	8.09%
Mg 279	362856.7	39.7	mg/L	0.98	39.7	mg/L	0.98	2.48%
Al 308	1796156.4	102	mg/L	0.0	102	mg/L	0.0	0.00%
Ca 318	3581447.7	41.4	mg/L	0.53	41.4	mg/L	0.53	1.29%
Ag 328	84.3	0.0061	mg/L	0.00002	0.0061	mg/L	0.00002	0.31%

Sequence No.: 40
Sample ID: icsB2
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 7/6/2009 11:59:53 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: icsB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5470.2	0.297	mg/L	0.0003	0.297	mg/L	0.0003	0.11%

Pb 220	12403.5	0.276 mg/L	0.0001	0.276 mg/L	0.0001	0.05%
Fe 260	8895942.4	97.9 mg/L	0.32	97.9 mg/L	0.32	0.32%
Cr 268	171845.2	0.285 mg/L	0.0008	0.285 mg/L	0.0008	0.28%
Mg 279	336514.3	36.8 mg/L	0.60	36.8 mg/L	0.60	1.63%
Al 308	1674570.7	95.2 mg/L	0.21	95.2 mg/L	0.21	0.22%
Ca 318	3311111.4	38.3 mg/L	0.79	38.3 mg/L	0.79	2.08%
Ag 328	249068.1	0.274 mg/L	0.0006	0.274 mg/L	0.0006	0.20%

Sequence No.: 41
Sample ID: ccv4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/6/2009 12:03:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv4

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccv4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9139.1	0.498	mg/L	0.0015	0.498	mg/L	0.0015	0.29%
Pb 220	21225.5	0.470	mg/L	0.0122	0.470	mg/L	0.0122	2.60%
Fe 260	224868.8	2.46	mg/L	0.019	2.46	mg/L	0.019	0.77%
Cr 268	291704.8	0.482	mg/L	0.0010	0.482	mg/L	0.0010	0.21%
Mg 279	21602.7	2.36	mg/L	0.013	2.36	mg/L	0.013	0.55%
Al 308	41614.8	2.37	mg/L	0.012	2.37	mg/L	0.012	0.49%
Ca 318	207948.2	2.37	mg/L	0.048	2.37	mg/L	0.048	2.04%
Ag 328	429569.3	0.467	mg/L	0.0031	0.467	mg/L	0.0031	0.65%

Sequence No.: 42
Sample ID: ccb4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/6/2009 12:07:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb4

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccb4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	80.4	0.0029	mg/L	0.00154	0.0029	mg/L	0.00154	53.71%
Pb 220	103.5	0.0046	mg/L	0.00073	0.0046	mg/L	0.00073	15.80%
Fe 260	644.1	-0.0118	mg/L	0.00668	-0.0118	mg/L	0.00668	56.60%
Cr 268	48.4	0.0017	mg/L	0.00045	0.0017	mg/L	0.00045	26.92%
Mg 279	83.5	0.0125	mg/L	0.00023	0.0125	mg/L	0.00023	1.87%
Al 308	-145.2	-0.0040	mg/L	0.00708	-0.0040	mg/L	0.00708	175.79%
Ca 318	116.7	-0.0333	mg/L	0.00315	-0.0333	mg/L	0.00315	9.47%
Ag 328	-506.1	0.0055	mg/L	0.00021	0.0055	mg/L	0.00021	3.91%

Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Boulevard
Duluth, GA 30096

Report Number: G368-72

Client Project: Goodyear Dump

Dear Jessica Vickers,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Linda McWhirter at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

7/20/05

Project Manager
Linda McWhirter

Date

SGS North America, 5500 Business Drive, Wilmington, NC 28405
t 910.350.1903 f 910.350.1557 www.us.sgs.com

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are 10% < %R < LCL; # of MEs are allowable and compounds are not detected in the sample.

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:
1) Metals and mercury samples are digested with a hot block; see the standard operating procedure document for details.
2) Uncertainty for all reported data is less than or equal to 30 percent.

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SGS Environmental Services Inc.

Locations Nationwide
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- New Jersey
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- Hawaii
- Maryland
- North Carolina

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091365

(1)

CLIENT: Tetra Tech

CONTACT: Jessica Vickers PHONE NO: (678) 983-6655

PROJECT: Goodyear Dump SITE/PWSID#: 05-C01-0098

REPORTS TO: Jessica Vickers E-MAIL: jessica.vickers@tetrai.com FAX NO.: (678) 775-3138

INVOICE TO: Tetra Tech, 1955 Evergreen Blvd, Bldg 200 STE 300, Duluth GA 30096 QUOTE #: 05-C01-0098. P.O. NUMBER

SGS Reference: G368-72

PAGE ____ OF ____

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C= COMP, G= GRAB)	Lead, Total	Lead Total	8082	REMARKS
	GYD-CS-02	07/08/09	1520	Soil	2	C	X			MS/MSD
	GYD-EB-001	07/08/09	1415	Aqueous	2		X		X	
	GYD-EB-001	07/08/09	1415	Aqueous	1			X		

Preservatives Used: HNO3

Analysis Required (3)

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:	Date	Time
[signature]			[signature]	7/9/09	1020
Relinquished By: (2)	Date	Time	Received By:	Date	Time
Relinquished By: (3)	Date	Time	Received By:	Date	Time
Relinquished By: (4)	Date	Time	Received By:	Date	Time

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature °C: 5.9°C

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time: ☒ RUSH 07/09/09 (Date Needed) ☐ STD

☐ 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
☒ 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
☐ 1270 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

SGS Environmental Services, Inc.

Cust Proj ID: Goodyear Dump
Client Name: Tetra Tech EM, Inc. PO:

G368-72

Due Date: 2009-07-09 17:00:00
Login Date: 2009-07-09 10:30:54

Sample ID		Cust Sample ID	PRI	Date Collected	Date Received	Date Due	Matrix	LOC	Report	Analysis	Status
G368-72-1	A	GYD-CS-02	**RUSH**	2009-07-08 15:20:00	2009-07-09	2009-07-09	Soil	L1	Full + J's	MSD-9	LG::REVW
						2009-07-09	Soil	L1	Full + J's	Pb	LG::REVW
	B					2009-07-09	Soil	L1	Full + J's	MSD-9	LG::REVW
						2009-07-09	Soil	L1	Full + J's	Pb	LG::REVW
G368-72-2	A	GYD-EB-001	**RUSH**	2009-07-08 14:15:00	2009-07-09	2009-07-10	Water	W1	Full + J's	8082-Water	LG::REVW
	B					2009-07-10	Water	W1	Full + J's	8082-Water	LG::REVW
G368-72-3	A	GYD-EB-001	**RUSH**	2009-07-08 14:15:00	2009-07-09	2009-07-10	Water	L1	Full + J's	Pb	LG::REVW

* G368-72-1 Note: MS/MSD

Sample Receipt Checklist (SRC)

SGS Environmetal Services Inc.

Client: **Tetra Tech EM, Inc.** Lab Proj. ID: **G368-72**

Client Proj. ID: **Goodyear Dump**

1. X Shipped
__ Hand Delivered

Notes:

2. X Proper, full, and complete documentation
(unique sample identification on durable label with indelible ink, location of collection, date/time of collection, collector's name, preservation type, sample type (method/matrix))
__ Acceptable documentation (but, incomplete)
__ Unacceptable documentation

Notes:

3. X Custody Tape on Container
__ No Custody Tape

Notes:

4. X Samples Intact*
(are in appropriate container, are not damaged, and do not show signs of contamination)
__ Samples Broken / Leaking
__ VOA Vials Checked for Air Bubbles

Notes:

5. X Chilled on Receipt* Actual Temp.(s) in °C: 5.9
__ Ambient on Receipt
__ Walk-in on Ice; Coming down to temp.
__ Received out of temperature protocol

Notes:

6. X Sufficient Sample Submitted
__ Insufficient Sample Submitted

Notes:

7. X Samples Preserved Correctly*
(see preservative checklist where applicable)
__ Improper Preservative(s)
__ None recommended (N/A)

Notes:

8. X Received Within Holding Time
__ Not Received Within Holding Time
__ N/A

Notes:

9. X No Discrepancies Noted
__ Discrepancies Noted

Notes:

Comments:

* = Rejection of sample is required when not marked; Contact client services immediately for a resolution.

Inspected and Logged in by:

DC27.091503.3

Date / Time: Thu-7/9/09 10:31

Results for Metals

Client Sample ID:	GYD-EB-001	Analyzed By:	PSW
Client Project ID:	Goodyear Dump	Date Collected:	7/8/2009 14:15
Lab Sample ID:	G368-72-3	Date Received:	7/9/2009
Lab Project ID:	G368-72	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	Final Vol:		
Prep Batch:	14607		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	7/10/2009	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 070909b OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	1056	105.6	2500	2475	99.0	2500	2556	102.3	90-110
Antimony	1000			500			500			90-110
Arsenic	1000	1044	104.4	500	508	101.7	500	516	103.1	90-110
Barium	1000	995	99.5	2500	2494	99.8	2500	2518	100.7	90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000	1029	102.9	500	499	99.7	500	505	100.9	90-110
Calcium	1000	1038	103.8	2500	2449	97.9	2500	2507	100.3	90-110
Chromium	1000	1028	102.8	500	489	97.7	500	504	100.7	90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	1062	106.2	2500	2471	98.8	2500	2581	103.3	90-110
Lead	1000	1021	102.1	500	487	97.3	500	506	101.2	90-110
Magnesium	1000	1027	102.7	2500	2465	98.6	2500	2569	102.7	90-110
Manganese	1000			500			500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000	1031	103.1	500	496	99.2	500	511	102.1	90-110
Silver	500	493	98.7	500	490	98.0	500	507	101.3	90-110
Sodium	1000			2500			2500			90-110
Thallium	1000			500			500			90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services Initial Cal Source Environmental Express

Batch ID: 070909b OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV ( )			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	1056	105.6	2500	2501	100.1	2500			90-110
Antimony	1000			500			500			90-110
Arsenic	1000	1044	104.4	500	512	102.4	500			90-110
Barium	1000	995	99.5	2500	2481	99.2	2500			90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000	1029	102.9	500	502	100.5	500			90-110
Calcium	1000	1038	103.8	2500	2498	99.9	2500			90-110
Chromium	1000	1028	102.8	500	496	99.3	500			90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	1062	106.2	2500	2561	102.4	2500			90-110
Lead	1000	1021	102.1	500	500	100.0	500			90-110
Magnesium	1000	1027	102.7	2500	2552	102.1	2500			90-110
Manganese	1000			500			500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000	1031	103.1	500	497	99.4	500			90-110
Silver	500	493	98.7	500	493	98.7	500			90-110
Sodium	1000			2500			2500			90-110
Thallium	1000			500			500			90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

Form 2B
CRDL

Lab Name: SGS Environmental Services

Batch ID: 070909b

Concentration Units: ug/L

Analyte	Initial			QC
	True	Found	%R	Limit Range
Aluminum	100	125	125	50-150
Antimony	40.0			50-150
Arsenic	10.0	9.40	94.0	50-150
Barium	100	117	117	50-150
Beryllium	10.0			50-150
Boron	10.0			50-150
Cadmium	5.00	5.74	115	50-150
Calcium	100	247	247*	50-150
Chromium	10.0	11.3	114	50-150
Cobalt	10.0			50-150
Copper	10.0			50-150
Iron	100	124	124	50-150
Lead	10.0	12.7	127	50-150
Magnesium	100	118	118	50-150
Manganese	10.0			50-150
Molybdenum	10.0			50-150
Nickel	10.0			50-150
Potassium	200			50-150
Selenium	20.0	21.2	106	50-150
Silver	10.0	13.8	138	50-150
Sodium	200			50-150
Thallium	10.0			50-150
Tin	10.0			50-150
Vanadium	50.0			50-150
Zinc	20.0			50-150

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 070909b OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C		C		
Aluminum	100	U	100	U	100	U				
Antimony										
Arsenic	10	U	10	U	10	U				
Barium	100	U	100	U	100	U				
Beryllium										
Boron										
Cadmium	10	U	10	U	10	U				
Calcium	100	U	100	U	100	U				
Chromium	10	U	10	U	10	U				
Cobalt										
Copper										
Iron	100	U	100	U	100	U				
Lead	10	U	10	U	10	U				
Magnesium	100	U	100	U	100	U				
Manganese										
Molybdenum										
Mercury										
Nickel										
Potassium										
Selenium	20	U	20	U	20	U				
Silver	10	U	10	U	10	U				
Sodium										
Thallium										
Tin										
Vanadium										
Zinc										

Comments:

FORM III - METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SGS Environmental Services ICS Source: Environmental Express

Batch ID: 070909b ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R	QC Limit Range %
Aluminum	100000	100000	100410	97529.7	97.5	101376	98434	98.4	80 - 120
Antimony	0	300	0	0	0*	0	0	0*	80 - 120
Arsenic	0	300	10.54	304.89	101.6	11.67	308.64	102.9	80 - 120
Barium	0	1000	17.81	976.72	97.7	17.61	980.5	98.1	80 - 120
Beryllium	0	300	0	0	0*	0	0	0*	80 - 120
Cadmium	0	300	-1.12	280.06	93.4	-2.33	280.12	93.4	80 - 120
Calcium	40000	40000	41913.6	39473.5	98.7	42003.4	40732.5	101.8	80 - 120
Chromium	0	300	4.27	287.34	95.8	3.78	289.78	96.6	80 - 120
Cobalt	0	300	0	0	0*	0	0	0*	80 - 120
Copper	0	300	0	0	0*	0	0	0*	80 - 120
Iron	100000	100000	98764.7	96905	96.9	100038	97415.8	97.4	80 - 120
Lead	0	300	2.49	282.35	94.1	1.2	282.81	94.3	80 - 120
Magnesium	40000	40000	39862.3	38705.9	96.8	40327.7	39143.5	97.9	80 - 120
Manganese	0	300	0	0	0*	0	0	0*	80 - 120
Nickel	0	300	0	0	0*	0	0	0*	80 - 120
Potassium	0	0	0	0	n/a	0	0	n/a	80 - 120
Selenium	0	300	24.29	308.64	102.9	25.35	316.38	105.5	80 - 120
Silver	0	300	4.08	287.95	96.0	4.09	292.72	97.6	80 - 120
Sodium	0	0	0	0	n/a	0	0	n/a	80 - 120
Thallium	0	300	0	0	0*	0	0	0*	80 - 120
Vanadium	0	300	0	0	0*	0	0	0*	80 - 120
Zinc	0	300	0	0	0*	0	0	0*	80 - 120

FORM IV - METALS

Results for Metals

Client Sample ID:	Lab Blank			Analyzed By:	PSW
Client Project ID:				Date Collected:	
Lab Sample ID:	pb14604			Date Received:	
Lab Project ID:				Matrix:	SOIL
ICP InitWt/Vol:	0.52 g	Final Vol:	50 mL	Solids	100.00
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14604				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	0.962	0.595	1	MG/KG	6010B	7/9/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: DN

METALS.XLS

METALS Results for LCS/LCD

ICP Batch: 14604
HG Batch:
Other:

Matrix: SOIL
Units: MG/KG

Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	37.0	34.9	94.3		34.5	93.2		80	120	1.15		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: DD

MS/MSD Results for METALS

Lab ID: G368-72-1
MS Lab ID: G368-72-1
MSD Lab ID: G368-72-1
ICP Batch: 14604
HG Batch:
Other:

Analyzed By: PSW
Matrix: Soil
Units: MG/KG
Solids: 100

Analyte	Sample Result	SA MS	MS Result	MS %REC		SA MSD	MSD Result	MSD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	88.9	37.0	181	249	*	35.7	142	149	*	75	125	24.1	*	20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

10 - MOD
Instrument Detection Limits

Lab Name: SGS Environmental Services

Instrument ID: ICP Date: 09/04/08

Analyte	Wavelength (nm)	CRDL ug/L	IDL ug/L	Method
Aluminum	308.214	100	59.3	6010B
Antimony	206.833	60	2.98	6010B
Arsenic	188.978	10	4.87	6010B
Barium	233.523	100	1.82	6010B
Beryllium	313.100	10	7.12	6010B
Cadmium	214.437	10	0.819	6010B
Calcium	317.931	100	8.44	6010B
Chromium	267.708	10	1.32	6010B
Cobalt	228.615	10	2.22	6010B
Copper	324.754	10	0.762	6010B
Iron	259.936	100	47.8	6010B
Lead	220.352	10	4.74	6010B
Magnesium	279.073	100	35.4	6010B
Manganese	257.609	10	0.725	6010B
Mercury	253.700	0.2		7470
Nickel	231.602	10	3.72	6010B
Potassium	766.429	100	18.1	6010B
Selenium	196.028	20	5.72	6010B
Silver	328.071	10	0.525	6010B
Sodium	589.550	200	5.79	6010B
Thallium	190.796	10	9.18	6010B
Vanadium	292.399	50	4.04	6010B
Zinc	213.859	20	1.74	6010B

FORM X - METALS

Prep Report for Batch 14604 (METALS/3050/SOIL) on 2009-07-09 by crn

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time	Balance
G1080-1-8B (630762)		0.54			50	R-1697	R-1700		HB2 95	1130	PB3002-SB
G368-72-1C (630758)		0.55			50	R-1697	R-1700		HB2 95	1130	PB3002-SB
G368-72-1D (630759)	ms	0.54	0623-752,0709-753	.5,.5	50	R-1697	R-1700		HB2 95	1130	PB3002-SB
G368-72-1E (630760)	msd	0.56	0623-752,0709-753	.5,.5	50	R-1697	R-1700		HB2 95	1130	PB3002-SB
G368-72-1F (630761)	dup	0.58			50	R-1697	R-1700		HB2 95	1130	PB3002-SB
lcd14604	lcd	0.50	0623-752,0709-753	.5,.5	50	R-1697	R-1700		HB2 95	1130	PB3002-SB
lcs14604	lcs	0.54	0623-752,0709-753	.5,.5	50	R-1697	R-1700		HB2 95	1130	PB3002-SB
pb14604	pb	0.52			50	R-1697	R-1700		HB2 95	1130	PB3002-SB

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 070909b

Case No: G368-72

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/9/2009 End Date: 7/9/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
1	CalBlank	1	13:39		X	X		X	X			X		X	X					
2	Std3-	1	13:43		X	X		X	X			X		X						
3	Std4-	1	13:47																	
4	Std5-	1	13:49												X					
5	Std2-	1	13:51		X	X		X	X			X		X	X					
6	Std1-	1	13:56		X	X		X	X			X		X	X					
7	icv	1	14:00		X	X		X	X			X		X	X					
8	icsA1	1	14:04		X	X		X	X			X		X	X					
9	icsB1	1	14:09		X	X		X	X			X		X	X					
10	lowstd	1	14:13		X	X		X	X			X		X	X					
11	ccv1	1	14:17		X	X		X	X			X		X	X					
12	ccb1	1	14:21		X	X		X	X			X		X	X					
13	pb14604	1	14:26		X	X		X	X			X		X	X					
14	lcs14604	1	14:30		X	X		X	X			X		X	X					
15	lcd14604	1	14:34		X	X		X	X			X		X	X					
16	**GYD-CS-02**	1	14:39		X	X		X	X			X		X	X					
17	**GYD-CS-02**	1	14:43		X	X		X	X					X	X					
18	**GYD-CS-02**	1	14:47		X	X		X	X					X	X					
19	**GYD-CS-02**	1	14:52		X	X		X	X					X	X					
20	G1080-1-8B	1	14:56		X	X		X	X			X		X	X					
21	G1080-1-8B	5	15:00		X	X		X	X			X		X	X					
22	ccv2	1	15:05		X	X		X	X			X		X	X					
23	ccb2	1	15:09		X	X		X	X			X		X	X					
24	**GYD-CS-02**	10	15:13		X	X		X	X			X		X	X					
25	**GYD-CS-02**	10	15:17		X	X		X	X			X		X	X					
26	**GYD-CS-02**	10	15:22		X	X		X	X			X		X	X					
27	icsA2	1	15:26		X	X		X	X			X		X	X					
28	icsB2	1	15:30		X	X		X	X			X		X	X					
29	ccv3	1	15:35		X	X		X	X			X		X	X					
30	ccb3	1	15:39		X	X		X	X			X		X	X					

Analytical Sequence

BHW

Method : TALmethod_new

0709096

Seq.	Loc.	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3- High	Applied
3	5	Std4- High CES 70709-1	Applied
4	6	Std5- High	Applied
5	3	Std2- Mid	Applied
6	2	Std1- Low	Applied
7	7	icv ✓	Analyzed
8	8	icsA1 ✓	Analyzed
9	9	icsB1 ✓	Analyzed
10	2	lowstd	Analyzed
11	3	ccv1 ✓	Analyzed
12	1	ccb1 ✓	Analyzed
13	90	pb14604 ✓	Analyzed
14	91	lcs14604 ✓	Analyzed
15	92	lcd14604 ✓	Analyzed
16	93	G368-72-1C - FeMnAlCu	Analyzed
17	94	G368-72-1D ms - Pb FeMnAlCu	Analyzed
18	95	G368-72-1E msd - "	Analyzed
19	96	G368-72-1F dup "	Analyzed
20	97	G1080-1-8B	Analyzed
21	98	G1080-1-8B SDx5	Analyzed
22	3	ccv2 ✓	Analyzed
23	1	ccb2 ✓	Analyzed
24	99	G368-72-1D ms x10 - Fe Al	Analyzed
25	100	G368-72-1E msd x10 - "	Analyzed
26	101	G368-72-1F dup x10 - "	Analyzed
27	8	icsA2 ✓	Analyzed
28	9	icsB2 ✓	Analyzed
29	3	ccv3 ✓	Analyzed
30	1	ccb3 ✓	Analyzed

SGS Laboratory Information Management System

Home Login Prep Samples Reports Reference Audit

Procedure Pass One - Looking for Global Failures ...

Checking ICV for failures...

Checking CCB1 for failures...

Checking ICSA1 for failures ...

Checking ICSB1 for failures ...

Flagging additional CCV/CCB/CVS pairs ...

Flagging additional ICSA/ICSB pairs ...

QC Pass 2 ...
Error Guide: G - Global CCV/ICS - Batch SD - Needs Dilution SAT - Saturated
H - High L - Low IS - Internal Standard

pb14604 - PASS
lcs14604 - PASS
lcd14604 - PASS
G368-72-1C - SD: Al Ca Fe Mg
G368-72-1D - SD: Al Ca Fe Mg Pb
G368-72-1E - SD: Al Ca Fe Mg Pb
G368-72-1F - SD: Al Ca Fe Mg Pb
G1080-1-8B - PASS
G1080-1-8B - PASS
G368-72-1D - SD: Al Fe
G368-72-1E - SD: Al Fe
G368-72-1F - SD: Al Fe

Return to Upload

Return to PALims

==========

Analysis Begun

Start Time: 7/9/2009 01:39:12 PM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 7/9/2009 08:20:20 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\070909b.sif
Batch ID:
Results Data Set: 070909b
Results Library: C:\pe\Anyone\Results\Results.mdb

==========

Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/9/2009 01:39:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	304.1	28.02	9.21%	[0.00]	mg/L
Se 196	-126.9	46.74	36.82%	[0.00]	mg/L
Cd 214	4805.6	87.12	1.81%	[0.00]	mg/L
Pb 220	985.3	32.73	3.32%	[0.00]	mg/L
Ba 234	-2549.9	695.35	27.27%	[0.00]	mg/L
Fe 260	-6674.1	2732.78	40.95%	[0.00]	mg/L
Cr 268	2007.0	134.45	6.70%	[0.00]	mg/L
Mg 279	-119.3	52.08	43.64%	[0.00]	mg/L
Al 308	1694.1	68.46	4.04%	[0.00]	mg/L
Ca 318	-1130.6	32.40	2.87%	[0.00]	mg/L
Ag 328	-1716.2	298.65	17.40%	[0.00]	mg/L

==========

Sequence No.: 2
Sample ID: Std3- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/9/2009 01:43:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3- High

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: Std3- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	18087.5	72.56	0.40%	[1]	mg/L
Se 196	14525.7	15.16	0.10%	[1]	mg/L
Cd 214	789918.7	12629.00	1.60%	[1]	mg/L
Pb 220	43654.1	207.91	0.48%	[1]	mg/L
Ba 234	4093079.9	44099.49	1.08%	[5]	mg/L
Cr 268	595459.8	1435.19	0.24%	[1]	mg/L

==========

Sequence No.: 3
Sample ID: Std4- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 7/9/2009 01:47:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std4- High

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std4- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Fe 260	454461.1	4554.63	1.00%	[5]	mg/L
Mg 279	42946.0	54.98	0.13%	[5]	mg/L
Al 308	83401.3	286.29	0.34%	[5]	mg/L
Ca 318	411602.7	4975.77	1.21%	[5]	mg/L

Sequence No.: 4
Sample ID: Std5- High
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 7/9/2009 01:49:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std5- High

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std5- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328	881418.0	9143.99	1.04%	[1]	mg/L

Sequence No.: 5
Sample ID: Std2- Mid
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 7/9/2009 01:51:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std2- Mid

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: Std2- Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	8937.0	22.68	0.25%	[0.5]	mg/L
Se 196	7112.8	6.25	0.09%	[0.5]	mg/L
Cd 214	391180.0	3418.04	0.87%	[0.5]	mg/L
Pb 220	21346.9	6.23	0.03%	[0.5]	mg/L
Ba 234	1963780.5	16508.59	0.84%	[2.5]	mg/L
Fe 260	217139.3	1313.64	0.60%	[2.5]	mg/L
Cr 268	292719.6	65.99	0.02%	[0.5]	mg/L
Mg 279	21086.2	94.69	0.45%	[2.5]	mg/L
Al 308	40320.5	416.23	1.03%	[2.5]	mg/L
Ca 318	199615.9	1691.46	0.85%	[2.5]	mg/L
Ag 328	423798.3	437.95	0.10%	[0.5]	mg/L

Sequence No.: 6
Sample ID: Std1- Low
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 7/9/2009 01:56:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std1- Low

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: Std1- Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	184.7	9.56	5.17%	[0.01]	mg/L
Se 196	329.1	43.64	13.26%	[0.02]	mg/L
Cd 214	4134.9	0.00	0.00%	[0.005]	mg/L
Pb 220	397.0	39.37	9.92%	[0.01]	mg/L
Ba 234	84013.1	2671.06	3.18%	[0.1]	mg/L
Fe 260	9232.4	0.00	0.00%	[0.1]	mg/L
Cr 268	5568.7	474.28	8.52%	[0.01]	mg/L
Mg 279	1030.8	53.91	5.23%	[0.1]	mg/L
Al 308	2146.5	56.01	2.61%	[0.1]	mg/L
Ca 318	26084.9	297.79	1.14%	[0.1]	mg/L
Ag 328	8435.4	150.11	1.78%	[0.01]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
As 189	3	Lin, Calc Int	-17.7	18070	0.00000	0.999981	
Se 196	3	Lin, Calc Int	-9.8	14480	0.00000	0.999931	
Cd 214	3	Lin, Calc Int	-603.3	789100	0.00000	0.999987	
Pb 220	3	Lin, Calc Int	-105.3	43590	0.00000	0.999937	
Ba 234	3	Lin, Calc Int	-14105.4	815400	0.00000	0.999774	
Fe 260	3	Lin, Calc Int	-1773.9	90520	0.00000	0.999729	
Cr 268	3	Lin, Calc Int	-1087.1	594800	0.00000	0.999963	
Mg 279	3	Lin, Calc Int	7.5	8557	0.00000	0.999939	
Al 308	3	Lin, Calc Int	-34.6	16580	0.00000	0.999810	
Ca 318	3	Lin, Calc Int	6966.1	80190	0.00000	0.998862	
Ag 328	3	Lin, Calc Int	-3249.7	878600	0.00000	0.999804	

Sequence No.: 7
Sample ID: icv
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/9/2009 02:00:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	18695.5	1.04	mg/L	0.007	1.04	mg/L	0.007	0.67%
Se 196	14912.9	1.03	mg/L	0.006	1.03	mg/L	0.006	0.58%
Cd 214	811312.6	1.03	mg/L	0.008	1.03	mg/L	0.008	0.82%
Pb 220	44377.4	1.02	mg/L	0.012	1.02	mg/L	0.012	1.17%
Ba 234	797392.6	0.995	mg/L	0.0037	0.995	mg/L	0.0037	0.37%
Fe 260	94326.6	1.06	mg/L	0.012	1.06	mg/L	0.012	1.16%
Cr 268	610124.1	1.03	mg/L	0.010	1.03	mg/L	0.010	0.96%
Mg 279	8797.9	1.03	mg/L	0.003	1.03	mg/L	0.003	0.30%
Al 308	17480.4	1.06	mg/L	0.000	1.06	mg/L	0.000	0.04%
Ca 318	90171.7	1.04	mg/L	0.000	1.04	mg/L	0.000	0.04%
Ag 328	430308.9	0.493	mg/L	0.0011	0.493	mg/L	0.0011	0.22%

Sequence No.: 8
Sample ID: icsA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/9/2009 02:04:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: icsA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	172.1	0.0105	mg/L	0.00177	0.0105	mg/L	0.00177	16.75%
Se 196	-374.4	0.0243	mg/L	0.00389	0.0243	mg/L	0.00389	16.00%
Cd 214	2563.9	-0.0011	mg/L	0.00005	-0.0011	mg/L	0.00005	4.55%
Pb 220	3.1	0.0025	mg/L	0.00084	0.0025	mg/L	0.00084	33.61%
Ba 234	418.7	0.0178	mg/L	0.00016	0.0178	mg/L	0.00016	0.91%
Fe 260	8938099.7	98.8	mg/L	1.91	98.8	mg/L	1.91	1.93%
Cr 268	1452.3	0.0043	mg/L	0.00023	0.0043	mg/L	0.00023	5.29%
Mg 279	341109.1	39.9	mg/L	0.09	39.9	mg/L	0.09	0.24%
Al 308	1664741.5	100	mg/L	0.2	100	mg/L	0.2	0.18%
Ca 318	3367993.2	41.9	mg/L	0.23	41.9	mg/L	0.23	0.54%
Ag 328	336.1	0.0041	mg/L	0.00001	0.0041	mg/L	0.00001	0.36%

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Sequence No.: 9 **Autosampler Location: 9**
Sample ID: icsB1 **Date Collected: 7/9/2009 02:09:00 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5447.8	0.305	mg/L	0.0006	0.305	mg/L	0.0006	0.19%
Se 196	3756.0	0.309	mg/L	0.0012	0.309	mg/L	0.0012	0.38%
Cd 214	224372.9	0.280	mg/L	0.0033	0.280	mg/L	0.0033	1.18%
Pb 220	12202.1	0.282	mg/L	0.0001	0.282	mg/L	0.0001	0.03%
Ba 234	782341.4	0.977	mg/L	0.0143	0.977	mg/L	0.0143	1.46%
Fe 260	8769769.0	96.9	mg/L	0.10	96.9	mg/L	0.10	0.10%
Cr 268	169813.8	0.287	mg/L	0.0007	0.287	mg/L	0.0007	0.24%
Mg 279	331214.2	38.7	mg/L	0.49	38.7	mg/L	0.49	1.27%
Al 308	1616990.3	97.5	mg/L	1.20	97.5	mg/L	1.20	1.23%
Ca 318	3172317.8	39.5	mg/L	0.75	39.5	mg/L	0.75	1.91%
Ag 328	249740.8	0.288	mg/L	0.0034	0.288	mg/L	0.0034	1.16%

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Sequence No.: 10 **Autosampler Location: 2**
Sample ID: lowstd **Date Collected: 7/9/2009 02:13:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	150.4	0.0094	mg/L	0.00115	0.0094	mg/L	0.00115	12.23%
Se 196	296.7	0.0212	mg/L	0.00137	0.0212	mg/L	0.00137	6.45%
Cd 214	3934.3	0.0057	mg/L	0.00017	0.0057	mg/L	0.00017	3.02%
Pb 220	449.2	0.0127	mg/L	0.00025	0.0127	mg/L	0.00025	1.99%
Ba 234	81173.9	0.117	mg/L	0.0003	0.117	mg/L	0.0003	0.26%
Fe 260	9447.1	0.124	mg/L	0.0034	0.124	mg/L	0.0034	2.71%
Cr 268	5665.5	0.0114	mg/L	0.00035	0.0114	mg/L	0.00035	3.04%
Mg 279	1016.4	0.118	mg/L	0.0030	0.118	mg/L	0.0030	2.53%
Al 308	2037.0	0.125	mg/L	0.0127	0.125	mg/L	0.0127	10.18%
Ca 318	26761.2	0.247	mg/L	0.0009	0.247	mg/L	0.0009	0.37%
Ag 328	8841.0	0.0138	mg/L	0.00018	0.0138	mg/L	0.00018	1.28%

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Sequence No.: 11
Sample ID: ccv1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/9/2009 02:17:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9094.9	0.508	mg/L	0.0034	0.508	mg/L	0.0034	0.67%
Se 196	7156.7	0.496	mg/L	0.0019	0.496	mg/L	0.0019	0.38%
Cd 214	393052.0	0.499	mg/L	0.0036	0.499	mg/L	0.0036	0.73%
Pb 220	21106.3	0.487	mg/L	0.0049	0.487	mg/L	0.0049	1.02%
Ba 234	2019576.7	2.49	mg/L	0.005	2.49	mg/L	0.005	0.18%
Fe 260	221862.9	2.47	mg/L	0.006	2.47	mg/L	0.006	0.23%
Cr 268	289526.4	0.489	mg/L	0.0026	0.489	mg/L	0.0026	0.54%
Mg 279	21101.9	2.47	mg/L	0.036	2.47	mg/L	0.036	1.45%
Al 308	41003.1	2.48	mg/L	0.018	2.48	mg/L	0.018	0.72%
Ca 318	203327.2	2.45	mg/L	0.005	2.45	mg/L	0.005	0.22%
Ag 328	427455.7	0.490	mg/L	0.0013	0.490	mg/L	0.0013	0.25%

Sequence No.: 12
Sample ID: ccb1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/9/2009 02:21:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccb1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7.4	0.0014	mg/L	0.00004	0.0014	mg/L	0.00004	2.84%
Se 196	49.9	0.0041	mg/L	0.00096	0.0041	mg/L	0.00096	23.18%
Cd 214	-268.4	0.0004	mg/L	0.00020	0.0004	mg/L	0.00020	46.56%
Pb 220	-17.7	0.0020	mg/L	0.00052	0.0020	mg/L	0.00052	25.73%
Ba 234	-138.9	0.0171	mg/L	0.00033	0.0171	mg/L	0.00033	1.92%
Fe 260	429.4	0.0243	mg/L	0.00335	0.0243	mg/L	0.00335	13.78%
Cr 268	-482.3	0.0010	mg/L	0.00023	0.0010	mg/L	0.00023	22.64%
Mg 279	-7.9	-0.0018	mg/L	0.00214	-0.0018	mg/L	0.00214	119.49%
Al 308	197.5	0.0140	mg/L	0.00446	0.0140	mg/L	0.00446	31.85%
Ca 318	277.2	-0.0834	mg/L	0.00282	-0.0834	mg/L	0.00282	3.38%
Ag 328	340.3	0.0041	mg/L	0.00014	0.0041	mg/L	0.00014	3.39%

Sequence No.: 13
Sample ID: pb14604
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 90
Date Collected: 7/9/2009 02:26:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14604

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: pb14604

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-32.6	-0.0008	mg/L	0.00046	-0.0008	mg/L	0.00046	56.99%

Se 196	10.3	0.0014 mg/L	0.00124	0.0014 mg/L	0.00124	88.35%
Cd 214	469.1	0.0014 mg/L	0.00015	0.0014 mg/L	0.00015	11.01%
Pb 220	108.0	0.0049 mg/L	0.00058	0.0049 mg/L	0.00058	11.79%
Ba 234	-154.7	0.0171 mg/L	0.00055	0.0171 mg/L	0.00055	3.20%
Fe 260	928.9	0.0299 mg/L	0.00897	0.0299 mg/L	0.00897	30.04%
Cr 268	242.0	0.0022 mg/L	0.00080	0.0022 mg/L	0.00080	35.87%
Mg 279	98.5	0.0106 mg/L	0.00623	0.0106 mg/L	0.00623	58.55%
Al 308	443.4	0.0288 mg/L	0.00892	0.0288 mg/L	0.00892	30.93%
Ca 318	1989.9	-0.0621 mg/L	0.00422	-0.0621 mg/L	0.00422	6.79%
Ag 328	-721.2	0.0029 mg/L	0.00021	0.0029 mg/L	0.00021	7.32%

Sequence No.: 14 **Autosampler Location: 91**
Sample ID: lcs14604 **Date Collected: 7/9/2009 02:30:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: lcs14604

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: lcs14604

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6841.6	0.383	mg/L	0.0023	0.383	mg/L	0.0023	0.59%
Se 196	5194.8	0.360	mg/L	0.0024	0.360	mg/L	0.0024	0.67%
Cd 214	293656.1	0.373	mg/L	0.0030	0.373	mg/L	0.0030	0.81%
Pb 220	16335.3	0.377	mg/L	0.0004	0.377	mg/L	0.0004	0.10%
Ba 234	1557967.0	1.93	mg/L	0.022	1.93	mg/L	0.022	1.16%
Fe 260	179710.1	2.00	mg/L	0.020	2.00	mg/L	0.020	1.00%
Cr 268	227321.4	0.384	mg/L	0.0005	0.384	mg/L	0.0005	0.12%
Mg 279	16874.3	1.97	mg/L	0.041	1.97	mg/L	0.041	2.07%
Al 308	32283.6	1.95	mg/L	0.008	1.95	mg/L	0.008	0.40%
Ca 318	168370.3	2.01	mg/L	0.014	2.01	mg/L	0.014	0.68%
Ag 328	323567.7	0.372	mg/L	0.0018	0.372	mg/L	0.0018	0.48%

Sequence No.: 15 **Autosampler Location: 92**
Sample ID: lcd14604 **Date Collected: 7/9/2009 02:34:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: lcd14604

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: lcd14604

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6712.3	0.376	mg/L	0.0042	0.376	mg/L	0.0042	1.12%
Se 196	5184.9	0.360	mg/L	0.0084	0.360	mg/L	0.0084	2.34%
Cd 214	287649.9	0.365	mg/L	0.0027	0.365	mg/L	0.0027	0.74%
Pb 220	16158.8	0.373	mg/L	0.0077	0.373	mg/L	0.0077	2.07%
Ba 234	1553360.5	1.92	mg/L	0.057	1.92	mg/L	0.057	2.96%
Fe 260	178636.6	1.99	mg/L	0.010	1.99	mg/L	0.010	0.50%
Cr 268	225238.1	0.381	mg/L	0.0068	0.381	mg/L	0.0068	1.78%
Mg 279	17081.5	2.00	mg/L	0.022	2.00	mg/L	0.022	1.10%
Al 308	31712.5	1.91	mg/L	0.024	1.91	mg/L	0.024	1.27%
Ca 318	163491.1	1.95	mg/L	0.000	1.95	mg/L	0.000	0.02%
Ag 328	316495.3	0.364	mg/L	0.0012	0.364	mg/L	0.0012	0.33%

Sequence No.: 16 **Autosampler Location: 93**
Sample ID: G368-72-1C **Date Collected: 7/9/2009 02:39:08 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**

Dilution: Sample Prep Vol:

Nebulizer Parameters: G368-72-1C

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G368-72-1C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	771.7	0.0447	mg/L	0.00064	0.0447	mg/L	0.00064	1.43%
Se 196	-400.3	0.0389	mg/L	0.00102	0.0389	mg/L	0.00102	2.61%
Cd 214	5545.1	0.0010	mg/L	0.00051	0.0010	mg/L	0.00051	52.95%
Pb 220	42530.0	0.978	mg/L	0.0030	0.978	mg/L	0.0030	0.31%
Ba 234	1213477.0	1.51	mg/L	0.008	1.51	mg/L	0.008	0.51%
Fe 260	11897688.3	131	mg/L	0.0	131	mg/L	0.0	0.02%
Cr 268	68921.6	0.118	mg/L	0.0002	0.118	mg/L	0.0002	0.20%
Mg 279	107166.2	12.5	mg/L	0.06	12.5	mg/L	0.06	0.51%
Al 308	1957899.6	118	mg/L	0.6	118	mg/L	0.6	0.50%
Ca 318	1042818.2	12.9	mg/L	0.13	12.9	mg/L	0.13	1.02%
Ag 328	2178.0	0.0062	mg/L	0.00021	0.0062	mg/L	0.00021	3.37%

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Sequence No.: 17 Autosampler Location: 94
Sample ID: G368-72-1D ms Date Collected: 7/9/2009 02:43:29 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: G368-72-1D ms

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G368-72-1D ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7498.5	0.420	mg/L	0.0088	0.420	mg/L	0.0088	2.10%
Se 196	4754.6	0.410	mg/L	0.0043	0.410	mg/L	0.0043	1.06%
Cd 214	296041.4	0.368	mg/L	0.0018	0.368	mg/L	0.0018	0.48%
Pb 220	78071.8	1.79	mg/L	0.025	1.79	mg/L	0.025	1.42%
Ba 234	3932386.3	4.84	mg/L	0.013	4.84	mg/L	0.013	0.27%
Fe 260	14624463.9	162	mg/L	1.6	162	mg/L	1.6	1.00%
Cr 268	305819.1	0.516	mg/L	0.0014	0.516	mg/L	0.0014	0.27%
Mg 279	138482.1	16.2	mg/L	0.09	16.2	mg/L	0.09	0.54%
Al 308	2016750.6	122	mg/L	0.9	122	mg/L	0.9	0.78%
Ca 318	1090371.3	13.5	mg/L	0.25	13.5	mg/L	0.25	1.86%
Ag 328	335340.5	0.385	mg/L	0.0019	0.385	mg/L	0.0019	0.50%

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Sequence No.: 18 Autosampler Location: 95
Sample ID: G368-72-1E msd Date Collected: 7/9/2009 02:47:48 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: G368-72-1E msd

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G368-72-1E msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7498.1	0.420	mg/L	0.0006	0.420	mg/L	0.0006	0.14%
Se 196	4898.9	0.415	mg/L	0.0038	0.415	mg/L	0.0038	0.91%
Cd 214	301315.2	0.375	mg/L	0.0072	0.375	mg/L	0.0072	1.91%
Pb 220	62501.7	1.44	mg/L	0.002	1.44	mg/L	0.002	0.11%
Ba 234	2985405.1	3.68	mg/L	0.089	3.68	mg/L	0.089	2.43%

Fe 260	13656852.0	151	mg/L	0.7	151	mg/L	0.7	0.43%
Cr 268	306742.4	0.518	mg/L	0.0059	0.518	mg/L	0.0059	1.13%
Mg 279	137368.1	16.1	mg/L	0.16	16.1	mg/L	0.16	1.01%
Al 308	2427055.8	146	mg/L	0.1	146	mg/L	0.1	0.07%
Ca 318	1148513.9	14.2	mg/L	0.12	14.2	mg/L	0.12	0.84%
Ag 328	336938.3	0.387	mg/L	0.0041	0.387	mg/L	0.0041	1.06%

Sequence No.: 19
Sample ID: G368-72-1F dup
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 96
Date Collected: 7/9/2009 02:52:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-72-1F dup

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G368-72-1F dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	883.7	0.0509	mg/L	0.00213	0.0509	mg/L	0.00213	4.18%
Se 196	-283.2	0.0553	mg/L	0.00508	0.0553	mg/L	0.00508	9.20%
Cd 214	5616.3	0.0002	mg/L	0.00018	0.0002	mg/L	0.00018	93.63%
Pb 220	51803.7	1.19	mg/L	0.005	1.19	mg/L	0.005	0.45%
Ba 234	1441000.2	1.78	mg/L	0.068	1.78	mg/L	0.068	3.83%
Fe 260	13399347.7	148	mg/L	1.5	148	mg/L	1.5	0.99%
Cr 268	74773.8	0.128	mg/L	0.0020	0.128	mg/L	0.0020	1.53%
Mg 279	121027.7	14.1	mg/L	0.24	14.1	mg/L	0.24	1.67%
Al 308	1995107.6	120	mg/L	1.2	120	mg/L	1.2	1.02%
Ca 318	978155.0	12.1	mg/L	0.12	12.1	mg/L	0.12	1.00%
Ag 328	2296.6	0.0063	mg/L	0.00025	0.0063	mg/L	0.00025	3.99%

Sequence No.: 20
Sample ID: G1080-1-8B
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 97
Date Collected: 7/9/2009 02:56:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1080-1-8B

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G1080-1-8B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-252.2	-0.0128	mg/L	0.00016	-0.0128	mg/L	0.00016	1.23%
Se 196	218.8	0.0158	mg/L	0.00341	0.0158	mg/L	0.00341	21.54%
Cd 214	1126.6	0.0022	mg/L	0.00017	0.0022	mg/L	0.00017	7.93%
Pb 220	87.5	0.0044	mg/L	0.00126	0.0044	mg/L	0.00126	28.53%
Ba 234	643.0	0.0181	mg/L	0.00092	0.0181	mg/L	0.00092	5.08%
Fe 260	8588.3	0.114	mg/L	0.0034	0.114	mg/L	0.0034	2.93%
Cr 268	9391.3	0.0176	mg/L	0.00046	0.0176	mg/L	0.00046	2.59%
Mg 279	1234.3	0.143	mg/L	0.0138	0.143	mg/L	0.0138	9.62%
Al 308	2081.6	0.128	mg/L	0.0165	0.128	mg/L	0.0165	12.94%
Ca 318	130701.8	1.54	mg/L	0.014	1.54	mg/L	0.014	0.89%
Ag 328	-1189.0	0.0023	mg/L	0.00016	0.0023	mg/L	0.00016	6.64%

Sequence No.: 21
Sample ID: G1080-1-8B SDx5
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 98
Date Collected: 7/9/2009 03:00:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1080-1-8B SDx5

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G1080-1-8B SDx5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-53.3	-0.0019	mg/L	0.00033	-0.0019	mg/L	0.00033	17.26%
Se 196	52.2	0.0043	mg/L	0.00360	0.0043	mg/L	0.00360	83.68%
Cd 214	542.2	0.0014	mg/L	0.00031	0.0014	mg/L	0.00031	21.12%
Pb 220	23.0	0.0029	mg/L	0.00214	0.0029	mg/L	0.00214	72.73%
Ba 234	104.3	0.0174	mg/L	0.00067	0.0174	mg/L	0.00067	3.86%
Fe 260	1717.7	0.0386	mg/L	0.00335	0.0386	mg/L	0.00335	8.70%
Cr 268	1742.7	0.0048	mg/L	0.00023	0.0048	mg/L	0.00023	4.75%
Mg 279	316.9	0.0362	mg/L	0.01314	0.0362	mg/L	0.01314	36.32%
Al 308	791.1	0.0498	mg/L	0.03791	0.0498	mg/L	0.03791	76.13%
Ca 318	42196.6	0.439	mg/L	0.0049	0.439	mg/L	0.0049	1.11%
Ag 328	-131.7	0.0035	mg/L	0.00026	0.0035	mg/L	0.00026	7.44%

Sequence No.: 22
Sample ID: ccv2
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 7/9/2009 03:05:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccv2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9222.4	0.516	mg/L	0.0027	0.516	mg/L	0.0027	0.52%
Se 196	7365.2	0.511	mg/L	0.0005	0.511	mg/L	0.0005	0.10%
Cd 214	397745.0	0.505	mg/L	0.0041	0.505	mg/L	0.0041	0.81%
Pb 220	21946.3	0.506	mg/L	0.0014	0.506	mg/L	0.0014	0.28%
Ba 234	2039371.3	2.52	mg/L	0.006	2.52	mg/L	0.006	0.24%
Fe 260	231884.1	2.58	mg/L	0.017	2.58	mg/L	0.017	0.65%
Cr 268	298383.4	0.504	mg/L	0.0005	0.504	mg/L	0.0005	0.09%
Mg 279	21986.3	2.57	mg/L	0.028	2.57	mg/L	0.028	1.10%
Al 308	42349.8	2.56	mg/L	0.015	2.56	mg/L	0.015	0.59%
Ca 318	207985.5	2.51	mg/L	0.009	2.51	mg/L	0.009	0.37%
Ag 328	441882.6	0.507	mg/L	0.0061	0.507	mg/L	0.0061	1.21%

Sequence No.: 23
Sample ID: ccb2
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 7/9/2009 03:09:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	8.4	0.0015	mg/L	0.00154	0.0015	mg/L	0.00154	105.57%
Se 196	14.2	0.0017	mg/L	0.00244	0.0017	mg/L	0.00244	146.94%
Cd 214	470.9	0.0014	mg/L	0.00009	0.0014	mg/L	0.00009	6.37%
Pb 220	3.3	0.0025	mg/L	0.00132	0.0025	mg/L	0.00132	53.02%
Ba 234	-90.1	0.0172	mg/L	0.00020	0.0172	mg/L	0.00020	1.17%
Fe 260	-1003.5	0.0085	mg/L	0.00109	0.0085	mg/L	0.00109	12.86%
Cr 268	-433.9	0.0011	mg/L	0.00058	0.0011	mg/L	0.00058	52.41%
Mg 279	-10.4	-0.0021	mg/L	0.00141	-0.0021	mg/L	0.00141	67.70%
Al 308	245.9	0.0169	mg/L	0.00859	0.0169	mg/L	0.00859	50.76%

Ca 318	113.3	-0.0855 mg/L	0.00490	-0.0855 mg/L	0.00490	5.74%
Ag 328	507.5	0.0043 mg/L	0.00000	0.0043 mg/L	0.00000	0.00%

Sequence No.: 24 **Autosampler Location: 99**
Sample ID: G368-72-1D ms x10 **Date Collected: 7/9/2009 03:13:43 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-72-1D ms x10

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G368-72-1D ms x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	819.2	0.0468	mg/L	0.00252	0.0468	mg/L	0.00252	5.39%
Se 196	568.6	0.0505	mg/L	0.00034	0.0505	mg/L	0.00034	0.67%
Cd 214	32633.5	0.0410	mg/L	0.00009	0.0410	mg/L	0.00009	0.22%
Pb 220	8414.7	0.195	mg/L	0.0004	0.195	mg/L	0.0004	0.19%
Ba 234	409339.0	0.519	mg/L	0.0044	0.519	mg/L	0.0044	0.84%
Fe 260	1912464.9	21.1	mg/L	0.10	21.1	mg/L	0.10	0.46%
Cr 268	31704.1	0.0551	mg/L	0.00034	0.0551	mg/L	0.00034	0.62%
Mg 279	17986.1	2.10	mg/L	0.001	2.10	mg/L	0.001	0.05%
Al 308	246936.8	14.9	mg/L	0.02	14.9	mg/L	0.02	0.11%
Ca 318	129810.7	1.53	mg/L	0.010	1.53	mg/L	0.010	0.67%
Ag 328	33811.1	0.0422	mg/L	0.00029	0.0422	mg/L	0.00029	0.68%

Sequence No.: 25 **Autosampler Location: 100**
Sample ID: G368-72-1E msd x10 **Date Collected: 7/9/2009 03:17:59 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-72-1E msd x10

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G368-72-1E msd x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	949.8	0.0540	mg/L	0.00127	0.0540	mg/L	0.00127	2.34%
Se 196	586.1	0.0519	mg/L	0.00252	0.0519	mg/L	0.00252	4.86%
Cd 214	34708.1	0.0436	mg/L	0.00037	0.0436	mg/L	0.00037	0.85%
Pb 220	6836.7	0.159	mg/L	0.0029	0.159	mg/L	0.0029	1.80%
Ba 234	325843.9	0.417	mg/L	0.0033	0.417	mg/L	0.0033	0.78%
Fe 260	1935438.6	21.4	mg/L	0.25	21.4	mg/L	0.25	1.16%
Cr 268	33012.9	0.0573	mg/L	0.00068	0.0573	mg/L	0.00068	1.19%
Mg 279	19026.7	2.22	mg/L	0.000	2.22	mg/L	0.000	0.00%
Al 308	324609.4	19.6	mg/L	0.07	19.6	mg/L	0.07	0.36%
Ca 318	147004.6	1.75	mg/L	0.002	1.75	mg/L	0.002	0.14%
Ag 328	35423.7	0.0440	mg/L	0.00005	0.0440	mg/L	0.00005	0.11%

Sequence No.: 26 **Autosampler Location: 101**
Sample ID: G368-72-1F dup x10 **Date Collected: 7/9/2009 03:22:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-72-1F dup x10

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: G368-72-1F dup x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	75.3	0.0053	mg/L	0.00039	0.0053	mg/L	0.00039	7.32%
Se 196	-26.9	0.0078	mg/L	0.00413	0.0078	mg/L	0.00413	52.62%
Cd 214	1094.0	0.0012	mg/L	0.00012	0.0012	mg/L	0.00012	10.08%
Pb 220	6013.6	0.140	mg/L	0.0003	0.140	mg/L	0.0003	0.24%
Ba 234	166617.0	0.222	mg/L	0.0020	0.222	mg/L	0.0020	0.88%
Fe 260	1628981.0	18.0	mg/L	0.10	18.0	mg/L	0.10	0.57%
Cr 268	8226.0	0.0157	mg/L	0.00069	0.0157	mg/L	0.00069	4.38%
Mg 279	14963.4	1.75	mg/L	0.028	1.75	mg/L	0.028	1.57%
Al 308	239252.5	14.4	mg/L	0.03	14.4	mg/L	0.03	0.20%
Ca 318	115852.8	1.36	mg/L	0.002	1.36	mg/L	0.002	0.18%
Ag 328	-1.7	0.0037	mg/L	0.00047	0.0037	mg/L	0.00047	12.66%

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Sequence No.: 27
Sample ID: icsA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/9/2009 03:26:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: icsA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	192.6	0.0117	mg/L	0.00026	0.0117	mg/L	0.00026	2.20%
Se 196	-368.2	0.0254	mg/L	0.00093	0.0254	mg/L	0.00093	3.67%
Cd 214	1660.9	-0.0023	mg/L	0.00058	-0.0023	mg/L	0.00058	24.95%
Pb 220	-53.2	0.0012	mg/L	0.00224	0.0012	mg/L	0.00224	187.30%
Ba 234	253.6	0.0176	mg/L	0.00110	0.0176	mg/L	0.00110	6.25%
Fe 260	9053397.6	100	mg/L	0.6	100	mg/L	0.6	0.63%
Cr 268	1163.6	0.0038	mg/L	0.00023	0.0038	mg/L	0.00023	6.08%
Mg 279	345091.4	40.3	mg/L	0.08	40.3	mg/L	0.08	0.19%
Al 308	1680754.4	101	mg/L	0.1	101	mg/L	0.1	0.15%
Ca 318	3375189.3	42.0	mg/L	0.16	42.0	mg/L	0.16	0.39%
Ag 328	339.5	0.0041	mg/L	0.00008	0.0041	mg/L	0.00008	1.92%

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Sequence No.: 28
Sample ID: icsB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/9/2009 03:30:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: icsB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5515.2	0.309	mg/L	0.0022	0.309	mg/L	0.0022	0.70%
Se 196	3864.4	0.316	mg/L	0.0024	0.316	mg/L	0.0024	0.76%
Cd 214	224445.9	0.280	mg/L	0.0010	0.280	mg/L	0.0010	0.34%
Pb 220	12222.1	0.283	mg/L	0.0003	0.283	mg/L	0.0003	0.11%
Ba 234	785427.4	0.981	mg/L	0.0073	0.981	mg/L	0.0073	0.74%
Fe 260	8816001.2	97.4	mg/L	0.05	97.4	mg/L	0.05	0.05%
Cr 268	171264.3	0.290	mg/L	0.0007	0.290	mg/L	0.0007	0.24%
Mg 279	334958.4	39.1	mg/L	0.19	39.1	mg/L	0.19	0.47%
Al 308	1631983.9	98.4	mg/L	0.34	98.4	mg/L	0.34	0.34%
Ca 318	3273276.5	40.7	mg/L	0.10	40.7	mg/L	0.10	0.24%
Ag 328	253931.5	0.293	mg/L	0.0015	0.293	mg/L	0.0015	0.53%

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Sequence No.: 29
Sample ID: ccv3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/9/2009 03:35:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv3

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccv3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9160.9	0.512	mg/L	0.0027	0.512	mg/L	0.0027	0.52%
Se 196	7168.4	0.497	mg/L	0.0040	0.497	mg/L	0.0040	0.81%
Cd 214	395882.6	0.502	mg/L	0.0016	0.502	mg/L	0.0016	0.32%
Pb 220	21685.5	0.500	mg/L	0.0021	0.500	mg/L	0.0021	0.42%
Ba 234	2009090.2	2.48	mg/L	0.023	2.48	mg/L	0.023	0.91%
Fe 260	230021.7	2.56	mg/L	0.006	2.56	mg/L	0.006	0.22%
Cr 268	294125.2	0.496	mg/L	0.0005	0.496	mg/L	0.0005	0.09%
Mg 279	21844.3	2.55	mg/L	0.029	2.55	mg/L	0.029	1.16%
Al 308	41438.8	2.50	mg/L	0.012	2.50	mg/L	0.012	0.47%
Ca 318	207258.6	2.50	mg/L	0.064	2.50	mg/L	0.064	2.56%
Ag 328	430197.7	0.493	mg/L	0.0090	0.493	mg/L	0.0090	1.83%

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Sequence No.: 30
Sample ID: ccb3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/9/2009 03:39:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb3

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccb3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-22.0	-0.0002	mg/L	0.00076	-0.0002	mg/L	0.00076	344.30%
Se 196	25.9	0.0025	mg/L	0.00084	0.0025	mg/L	0.00084	33.89%
Cd 214	303.6	0.0011	mg/L	0.00009	0.0011	mg/L	0.00009	7.50%
Pb 220	-19.5	0.0020	mg/L	0.00105	0.0020	mg/L	0.00105	53.09%
Ba 234	-377.0	0.0168	mg/L	0.00005	0.0168	mg/L	0.00005	0.29%
Fe 260	284.8	0.0227	mg/L	0.01232	0.0227	mg/L	0.01232	54.18%
Cr 268	48.4	0.0019	mg/L	0.00011	0.0019	mg/L	0.00011	5.81%
Mg 279	117.3	0.0128	mg/L	0.01594	0.0128	mg/L	0.01594	124.18%
Al 308	201.4	0.0142	mg/L	0.00413	0.0142	mg/L	0.00413	29.01%
Ca 318	187.7	-0.0845	mg/L	0.00455	-0.0845	mg/L	0.00455	5.38%
Ag 328	362.7	0.0041	mg/L	0.00041	0.0041	mg/L	0.00041	9.89%

Results for Metals

Client Sample ID:	GYD-CS-02			Analyzed By:	PSW
Client Project ID:	Goodyear Dump			Date Collected:	7/8/2009 15:20
Lab Sample ID:	G368-72-1			Date Received:	7/9/2009
Lab Project ID:	G368-72			Matrix:	SOIL
ICP InitWt/Vol:	0.55 g	Final Vol:	50 mL	Solids	75.50
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14604				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**118**	1.20	0.745	1	MG/KG	6010B	7/9/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services Initial Cal Source Environmental Express

Batch ID: 071009a OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	1000	1048	104.8	2500	2447	97.9	2500	2488	99.5	90-110
Antimony	1000			500			500			90-110
Arsenic	1000			500			500			90-110
Barium	1000			2500			2500			90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000			500			500			90-110
Calcium	1000	1117	111.693*	2500	2478	99.1	2500	2501	100.0	90-110
Chromium	1000			500			500			90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	1044	104.4	2500	2468	98.7	2500	2489	99.5	90-110
Lead	1000	1027	102.7	500	484	96.8	500	481	96.3	90-110
Magnesium	1000	1042	104.2	2500	2445	97.8	2500	2467	98.7	90-110
Manganese	1000			500			500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000			500			500			90-110
Silver	500			500			500			90-110
Sodium	1000	1048	104.8	2500	2430	97.2	2500	2465	98.6	90-110
Thallium	1000			500			500			90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services Initial Cal Source Environmental Express

Batch ID: 071009a OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV ( )			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	1048	104.8	2500	2483	99.3	2500			90-110
Antimony	1000			500			500			90-110
Arsenic	1000			500			500			90-110
Barium	1000			2500			2500			90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000			500			500			90-110
Calcium	1000	1117	111.693*	2500	2466	98.6	2500			90-110
Chromium	1000			500			500			90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	1044	104.4	2500	2489	99.5	2500			90-110
Lead	1000	1027	102.7	500	486	97.2	500			90-110
Magnesium	1000	1042	104.2	2500	2481	99.3	2500			90-110
Manganese	1000			500			500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000			500			500			90-110
Silver	500			500			500			90-110
Sodium	1000	1048	104.8	2500	2455	98.2	2500			90-110
Thallium	1000			500			500			90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

Form 2B
CRDL

Lab Name: SGS Environmental Services

Batch ID: 071009a

Concentration Units: ug/L

Analyte	Initial			QC
	True	Found	%R	Limit Range
Aluminum	100	125	125	50-150
Antimony	40.0			50-150
Arsenic	10.0			50-150
Barium	100			50-150
Beryllium	10.0			50-150
Boron	10.0			50-150
Cadmium	5.00			50-150
Calcium	100	114	114	50-150
Chromium	10.0			50-150
Cobalt	10.0			50-150
Copper	10.0			50-150
Iron	100	123	123	50-150
Lead	10.0	9.15	91.5	50-150
Magnesium	100	135	135	50-150
Manganese	10.0			50-150
Molybdenum	10.0			50-150
Nickel	10.0			50-150
Potassium	200			50-150
Selenium	20.0			50-150
Silver	10.0			50-150
Sodium	200	199	99.6	50-150
Thallium	10.0			50-150
Tin	10.0			50-150
Vanadium	50.0			50-150
Zinc	20.0			50-150

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 071009a OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C		C		
Aluminum	100	U	100	U	100	U				
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium	100	U	100	U	100	U				
Chromium										
Cobalt										
Copper										
Iron	100	U	100	U	100	U				
Lead	10	U	10	U	10	U				
Magnesium	100	U	100	U	100	U				
Manganese										
Molybdenum										
Mercury										
Nickel										
Potassium										
Selenium										
Silver										
Sodium	200	U	200	U	200	U				
Thallium										
Tin										
Vanadium										
Zinc										

Comments:

FORM III - METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SGS Environmental Services ICS Source: Environmental Express

Batch ID: 071009a ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	Initial Found %R	Final Found Sol. A	Final Found Sol. B	Final Found %R	QC Limit Range %
Aluminum	100000	100000	99064.7	95666.3	95.7	101890	96804	96.8	80 - 120
Antimony	0	300	0	0	0*	0	0	0*	80 - 120
Arsenic	0	300	0	0	0*	0	0	0*	80 - 120
Barium	0	1000	0	0	0*	0	0	0*	80 - 120
Beryllium	0	300	0	0	0*	0	0	0*	80 - 120
Cadmium	0	300	0	0	0*	0	0	0*	80 - 120
Calcium	40000	40000	40261.6	38174.6	95.4	41342.2	39045.9	97.6	80 - 120
Chromium	0	300	0	0	0*	0	0	0*	80 - 120
Cobalt	0	300	0	0	0*	0	0	0*	80 - 120
Copper	0	300	0	0	0*	0	0	0*	80 - 120
Iron	100000	100000	99450.4	95747.4	95.7	102623	95733.7	95.7	80 - 120
Lead	0	300	3.74	280.76	93.6	3.28	278.01	92.7	80 - 120
Magnesium	40000	40000	40022	37620.6	94.1	40574.5	38297.9	95.7	80 - 120
Manganese	0	300	0	0	0*	0	0	0*	80 - 120
Nickel	0	300	0	0	0*	0	0	0*	80 - 120
Potassium	0	0	0	0	n/a	0	0	n/a	80 - 120
Selenium	0	300	0	0	0*	0	0	0*	80 - 120
Silver	0	300	0	0	0*	0	0	0*	80 - 120
Sodium	0	0	6.74	-2.13	n/a	-1.25	-10.74	n/a	80 - 120
Thallium	0	300	0	0	0*	0	0	0*	80 - 120
Vanadium	0	300	0	0	0*	0	0	0*	80 - 120
Zinc	0	300	0	0	0*	0	0	0*	80 - 120

FORM IV - METALS

Results for Metals

Client Sample ID:	Lab Blank			Analyzed By:	PSW
Client Project ID:				Date Collected:	
Lab Sample ID:	pb14607			Date Received:	
Lab Project ID:				Matrix:	WATER
ICP InitWt/Vol:	50 mL	Final Vol:	50 mL		
Hg InitWt/Vol:		Final Vol:			
Prep Batch:	14607				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**0.00692**	0.0100	0.00679	1	MG/L	6010B	7/10/2009	JB

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

METALS Results for LCS/LCD

ICP Batch: 14607
HG Batch:
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	0.400	0.372	93.0		0.378	94.5		80	120	1.60		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

MS/MSD Results for METALS

Lab ID: G368-72-3
MS Lab ID: G368-72-3
MSD Lab ID: G368-72-3
ICP Batch: 14607
HG Batch:
Other:

Analyzed By: PSW
Matrix: Water
Units: MG/L

Analyte	Sample Result	SA MS	MS Result	MS %REC		SA MSD	MSD Result	MSD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	BQL	0.400	0.374	93.5		0.400	0.384	96.0		75	125	2.64		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

10 - MOD
Instrument Detection Limits

Lab Name: SGS Environmental Services

Instrument ID: ICP Date: 09/04/08

Analyte	Wavelength (nm)	CRDL ug/L	IDL ug/L	Method
Aluminum	308.214	100	59.3	6010B
Antimony	206.833	60	2.98	6010B
Arsenic	188.978	10	4.87	6010B
Barium	233.523	100	1.82	6010B
Beryllium	313.100	10	7.12	6010B
Cadmium	214.437	10	0.819	6010B
Calcium	317.931	100	8.44	6010B
Chromium	267.708	10	1.32	6010B
Cobalt	228.615	10	2.22	6010B
Copper	324.754	10	0.762	6010B
Iron	259.936	100	47.8	6010B
Lead	220.352	10	4.74	6010B
Magnesium	279.073	100	35.4	6010B
Manganese	257.609	10	0.725	6010B
Mercury	253.700	0.2		7470
Nickel	231.602	10	3.72	6010B
Potassium	766.429	100	18.1	6010B
Selenium	196.028	20	5.72	6010B
Silver	328.071	10	0.525	6010B
Sodium	589.550	200	5.79	6010B
Thallium	190.796	10	9.18	6010B
Vanadium	292.399	50	4.04	6010B
Zinc	213.859	20	1.74	6010B

FORM X - METALS

Prep Report for Batch 14607 (METALS/3010/WATER) on 2009-07-09 by psw

Sample ID (GCCODE)	EXT	InitVol	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time	Balance
G368-72-3B (631028)		50			50	R-1697	R-1700		AB1 95	1530	
G368-72-3C (631029)	ms	50	0623-752,0709-753	.5,.5	50	R-1697	R-1700		AB1 95	1530	
G368-72-3D (631030)	msd	50	0623-752,0709-753	.5,.5	50	R-1697	R-1700		AB1 95	1530	
G910-6-1H (631031)		50			50	R-1697	R-1700		AB1 95	1530	
G910-6-2H (631032)		50			50	R-1697	R-1700		AB1 95	1530	
G910-6-3H (631033)		50			50	R-1697	R-1700		AB1 95	1530	
G910-6-3I (631034)	dup	50			50	R-1697	R-1700		AB1 95	1530	
lcd14607	lcd	50	0623-752,0709-753	.5,.5	50	R-1697	R-1700		AB1 95	1530	
lcs14607	lcs	50	0623-752,0709-753	.5,.5	50	R-1697	R-1700		AB1 95	1530	
pb14607	pb	50			50	R-1697	R-1700		AB1 95	1530	

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 071009a

Case No: G368-72

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/10/2009 End Date: 7/10/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
1	CalBlank	1	08:54									X								
2	Std3-	1	08:57									X								
3	Std4-	1	08:59																	
4	Std2-	1	09:02									X								
5	Std1-	1	09:05									X								
6	icv	1	09:08									X								
7	icsA1	1	09:12									X								
8	icsB1	1	09:15									X								
9	lowstd	1	09:18									X								
10	ccv1	1	09:21									X								
11	ccb1	1	09:24									X								
12	pb14607	1	09:27									X								
13	lcs14607	1	09:31									X								
14	lcd14607	1	09:34									X								
15	**GYD-EB-001**	1	09:37									X								
16	**GYD-EB-001**	1	09:40									X								
17	**GYD-EB-001**	1	09:43									X								
18	G910-6-1H	1	09:46									X								
19	G910-6-2H	1	09:50									X								
20	G910-6-3H	1	09:53									X								
21	G910-6-3I	1	09:56									X								
22	ccv2	1	09:59									X								
23	ccb2	1	10:02									X								
24	G734-123-3B	10000	10:05									X								
25	G734-123-3C	10000	10:09									X								
26	G684-120-1B	10000	10:12									X								
27	G684-120-1C	10000	10:15									X								
28	icsA2	1	10:18									X								
29	icsB2	1	10:21									X								
30	ccv3	1	10:25									X								
31	ccb3	1	10:28									X								

Analytical Sequence

Method : TALmethod_new

071009a

Seq.	Loc.	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3- High	Applied
3	5	Std4- High 0ES070709-1	Applied
4	6	Std5- High	Skipped
5	3	Std2- Mid	Applied
6	2	Std1- Low	Applied
7	7	icv - Ca	Analyzed
8	8	icsA1	Analyzed
9	9	icsB1	Analyzed
10	2	lowstd	Analyzed
11	3	ccv1	Analyzed
12	1	ccb1	Analyzed
13	10	pb14607	Analyzed
14	11	lcs14607	Analyzed
15	12	lcd14607	Analyzed
16	13	G368-72-3B	Analyzed
17	14	G368-72-3C ms	Analyzed
18	15	G368-72-3D msd	Analyzed
19	16	G910-6-1H - Fe Ca Na	Analyzed
20	17	G910-6-2H - Ca Na	Analyzed
21	18	G910-6-3H - Ca Na	Analyzed
22	19	G910-6-3I dup - h	Analyzed
23	3	ccv2	Analyzed
24	1	ccb2	Analyzed
25	20	G734-123-3B x10000	Analyzed
26	21	G734-123-3C ms x10000	Analyzed
27	22	G684-120-1B x10000	Analyzed
28	23	G684-120-1C dup x10000	Analyzed
29	8	icsA2	Analyzed
30	9	icsB2	Analyzed
31	3	ccv3	Analyzed
32	1	ccb3	Analyzed

SGS Laboratory Information Management System

Home Login Prep Samples Reports Reference Audit

Procedure Pass One - Looking for Global Failures ...

Checking ICV for failures...
ICV Ca - Global FAIL High

Checking CCB1 for failures...

Checking ICSA1 for failures ...

Checking ICSB1 for failures ...

Flagging additional CCV/CCB/CVS pairs ...

Flagging additional ICSA/ICSB pairs ...

QC Pass 2 ...
Error Guide: G - Global CCV/ICS - Batch SD - Needs Dilution SAT - Saturated
H - High L - Low IS - Internal Standard

pb14607 - G: Ca
lcs14607 - G: Ca
lcd14607 - G: Ca
G368-72-3B - G: Ca
G368-72-3C - G: Ca
G368-72-3D - G: Ca
G910-6-1H - G: Ca SD: Fe Na
G910-6-2H - G: Ca SD: Na
G910-6-3H - G: Ca SD: Na
G910-6-3I - G: Ca SD: Na
G734-123-3B - G: Ca
G734-123-3C - G: Ca
G684-120-1B - G: Ca
G684-120-1C - G: Ca

Return to Upload

Return to PALims

==========

Analysis Begun

Start Time: 7/10/2009 08:54:05 AM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 7/10/2009 08:07:36 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\071009a.sif
Batch ID:
Results Data Set: 071009a
Results Library: C:\pe\Anyone\Results\Results.mdb

==========

Method Loaded
Method Name: TALmethod_new
IEC File: 091406.iec
Method Description: TAL with interference correction

Method Last Saved: 4/14/2009 04:46:02 PM
MSF File:

==========

Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/10/2009 08:54:05 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Pb 220	1035.0	80.15	7.74%	[0.00]	mg/L
Fe 260	2637.4	1115.50	42.29%	[0.00]	mg/L
Mg 279	511.1	114.38	22.38%	[0.00]	mg/L
Al 308	3541.0	6.98	0.20%	[0.00]	mg/L
Ca 318	5297.5	304.51	5.75%	[0.00]	mg/L
Na 590	7383.1	253.09	3.43%	[0.00]	mg/L

==========

Sequence No.: 2
Sample ID: Std3- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/10/2009 08:57:46 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3- High

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std3- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Pb 220	45642.4	476.77	1.04%	[1]	mg/L

==========

Sequence No.: 3
Sample ID: Std4- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 7/10/2009 08:59:46 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std4- High

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std4- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Fe 260	471278.3	607.28	0.13%	[5]	mg/L
Mg 279	45463.6	156.69	0.34%	[5]	mg/L
Al 308	87140.3	1048.76	1.20%	[5]	mg/L
Ca 318	432949.0	336.91	0.08%	[5]	mg/L
Na 590	737880.0	4995.77	0.68%	[5]	mg/L

Sequence No.: 5
Sample ID: Std2- Mid
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/10/2009 09:02:34 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std2- Mid

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std2- Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Pb 220	21583.0	60.69	0.28%	[0.5]	mg/L
Fe 260	223865.3	1115.50	0.50%	[2.5]	mg/L
Mg 279	21405.0	58.95	0.28%	[2.5]	mg/L
Al 308	41316.7	553.15	1.34%	[2.5]	mg/L
Ca 318	209448.6	3317.41	1.58%	[2.5]	mg/L
Na 590	360442.0	4209.57	1.17%	[2.5]	mg/L

Sequence No.: 6
Sample ID: Std1- Low
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/10/2009 09:05:42 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std1- Low

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std1- Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Pb 220	399.5	100.03	25.04%	[0.01]	mg/L
Fe 260	10161.3	303.64	2.99%	[0.1]	mg/L
Mg 279	937.4	144.77	15.44%	[0.1]	mg/L
Al 308	1585.9	329.85	20.80%	[0.1]	mg/L
Ca 318	8346.2	165.10	1.98%	[0.1]	mg/L
Na 590	29003.0	677.87	2.34%	[0.2]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Pb 220	3	Lin, Calc Int	-251.2	45450	0.00000	0.999612	
Fe 260	3	Lin, Calc Int	-1811.9	93760	0.00000	0.999647	
Mg 279	3	Lin, Calc Int	-229.0	9042	0.00000	0.999529	
Al 308	3	Lin, Calc Int	-481.8	17360	0.00000	0.999647	
Ca 318	3	Lin, Calc Int	-1422.1	86370	0.00000	0.999860	
Na 590	3	Lin, Calc Int	-1784.6	147300	0.00000	0.999928	

Sequence No.: 7
Sample ID: icv
Analyst:
Initial Sample Wt:

Autosampler Location: 7
Date Collected: 7/10/2009 09:08:51 AM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	46437.3	1.03	mg/L	0.009	1.03	mg/L	0.009	0.84%
Fe 260	96044.3	1.04	mg/L	0.016	1.04	mg/L	0.016	1.55%
Mg 279	9193.8	1.04	mg/L	0.011	1.04	mg/L	0.011	1.04%
Al 308	17714.7	1.05	mg/L	0.008	1.05	mg/L	0.008	0.75%
Ca 318	95050.4	1.12	mg/L	0.002	1.12	mg/L	0.002	0.18%
Na 590	152584.8	1.05	mg/L	0.001	1.05	mg/L	0.001	0.07%

==========

Sequence No.: 8
Sample ID: icsA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/10/2009 09:12:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: icsA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-81.1	0.0037	mg/L	0.00039	0.0037	mg/L	0.00039	10.36%
Fe 260	9322351.4	99.5	mg/L	0.01	99.5	mg/L	0.01	0.01%
Mg 279	361664.4	40.0	mg/L	0.10	40.0	mg/L	0.10	0.25%
Al 308	1719723.7	99.1	mg/L	0.23	99.1	mg/L	0.23	0.24%
Ca 318	3476077.2	40.3	mg/L	0.22	40.3	mg/L	0.22	0.55%
Na 590	-791.4	0.0067	mg/L	0.00145	0.0067	mg/L	0.00145	21.54%

==========

Sequence No.: 9
Sample ID: icsB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/10/2009 09:15:12 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	12509.6	0.281	mg/L	0.0009	0.281	mg/L	0.0009	0.33%
Fe 260	8975169.5	95.7	mg/L	0.37	95.7	mg/L	0.37	0.39%
Mg 279	339950.4	37.6	mg/L	0.07	37.6	mg/L	0.07	0.18%
Al 308	1660711.5	95.7	mg/L	0.40	95.7	mg/L	0.40	0.42%
Ca 318	3295821.0	38.2	mg/L	0.17	38.2	mg/L	0.17	0.44%
Na 590	-2098.3	-0.0021	mg/L	0.00044	-0.0021	mg/L	0.00044	20.90%

==========

Sequence No.: 10
Sample ID: lowstd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/10/2009 09:18:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Pb 220	164.8	0.0092	mg/L	0.00072	0.0092	mg/L	0.00072	7.85%
Fe 260	9731.9	0.123	mg/L	0.0032	0.123	mg/L	0.0032	2.63%
Mg 279	992.3	0.135	mg/L	0.0065	0.135	mg/L	0.0065	4.83%
Al 308	1690.4	0.125	mg/L	0.0047	0.125	mg/L	0.0047	3.72%
Ca 318	8468.5	0.115	mg/L	0.0039	0.115	mg/L	0.0039	3.42%
Na 590	27552.1	0.199	mg/L	0.0046	0.199	mg/L	0.0046	2.30%

Sequence No.: 11
Sample ID: ccv1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/10/2009 09:21:29 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Pb 220	21750.3	0.484	mg/L	0.0021	0.484	mg/L	0.0021	0.43%
Fe 260	229592.3	2.47	mg/L	0.003	2.47	mg/L	0.003	0.13%
Mg 279	21875.1	2.44	mg/L	0.020	2.44	mg/L	0.020	0.83%
Al 308	42003.2	2.45	mg/L	0.015	2.45	mg/L	0.015	0.63%
Ca 318	212616.0	2.48	mg/L	0.013	2.48	mg/L	0.013	0.54%
Na 590	356252.2	2.43	mg/L	0.008	2.43	mg/L	0.008	0.32%

Sequence No.: 12
Sample ID: ccb1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/10/2009 09:24:39 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccb1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Pb 220	-109.4	0.0031	mg/L	0.00118	0.0031	mg/L	0.00118	37.81%
Fe 260	1143.6	0.0315	mg/L	0.00972	0.0315	mg/L	0.00972	30.82%
Mg 279	40.0	0.0297	mg/L	0.00721	0.0297	mg/L	0.00721	24.24%
Al 308	89.1	0.0329	mg/L	0.01680	0.0329	mg/L	0.01680	51.11%
Ca 318	-4.8	0.0164	mg/L	0.00038	0.0164	mg/L	0.00038	2.29%
Na 590	-1569.8	0.0015	mg/L	0.00292	0.0015	mg/L	0.00292	200.46%

Sequence No.: 13
Sample ID: pb14607
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 7/10/2009 09:27:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14607

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: pb14607

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	63.2	0.0069	mg/L	0.00284	0.0069	mg/L	0.00284	41.11%
Fe 260	-74.6	0.0185	mg/L	0.00866	0.0185	mg/L	0.00866	46.73%
Mg 279	-4.4	0.0248	mg/L	0.00622	0.0248	mg/L	0.00622	25.02%
Al 308	-192.6	0.0167	mg/L	0.00757	0.0167	mg/L	0.00757	45.45%
Ca 318	473.9	0.0220	mg/L	0.00191	0.0220	mg/L	0.00191	8.71%
Na 590	-1199.9	0.0040	mg/L	0.00096	0.0040	mg/L	0.00096	24.23%

Sequence No.: 14
Sample ID: lcs14607
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 11
Date Collected: 7/10/2009 09:31:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs14607

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: lcs14607

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	16634.9	0.372	mg/L	0.0013	0.372	mg/L	0.0013	0.34%
Fe 260	182282.1	1.96	mg/L	0.013	1.96	mg/L	0.013	0.66%
Mg 279	17563.1	1.97	mg/L	0.014	1.97	mg/L	0.014	0.73%
Al 308	32554.7	1.90	mg/L	0.012	1.90	mg/L	0.012	0.64%
Ca 318	167436.3	1.95	mg/L	0.004	1.95	mg/L	0.004	0.22%
Na 590	287382.9	1.96	mg/L	0.016	1.96	mg/L	0.016	0.79%

Sequence No.: 15
Sample ID: lcd14607
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 12
Date Collected: 7/10/2009 09:34:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd14607

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: lcd14607

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	16916.9	0.378	mg/L	0.0016	0.378	mg/L	0.0016	0.43%
Fe 260	185792.0	2.00	mg/L	0.010	2.00	mg/L	0.010	0.49%
Mg 279	17712.3	1.98	mg/L	0.018	1.98	mg/L	0.018	0.91%
Al 308	32752.2	1.91	mg/L	0.004	1.91	mg/L	0.004	0.21%
Ca 318	168688.5	1.97	mg/L	0.021	1.97	mg/L	0.021	1.05%
Na 590	283641.9	1.94	mg/L	0.015	1.94	mg/L	0.015	0.75%

Sequence No.: 16
Sample ID: G368-72-3B
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 13
Date Collected: 7/10/2009 09:37:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-72-3B

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G368-72-3B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-125.1	0.0028	mg/L	0.00086	0.0028	mg/L	0.00086	30.82%
Fe 260	1143.6	0.0315	mg/L	0.01619	0.0315	mg/L	0.01619	51.37%
Mg 279	550.9	0.0863	mg/L	0.00046	0.0863	mg/L	0.00046	0.53%
Al 308	52.3	0.0308	mg/L	0.01174	0.0308	mg/L	0.01174	38.17%
Ca 318	25291.9	0.309	mg/L	0.0035	0.309	mg/L	0.0035	1.12%
Na 590	43463.6	0.307	mg/L	0.0048	0.307	mg/L	0.0048	1.55%

==========

Sequence No.: 17 **Autosampler Location: 14**
Sample ID: G368-72-3C ms **Date Collected: 7/10/2009 09:40:36 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-72-3C ms

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G368-72-3C ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	16749.4	0.374	mg/L	0.0003	0.374	mg/L	0.0003	0.08%
Fe 260	186576.2	2.01	mg/L	0.000	2.01	mg/L	0.000	0.00%
Mg 279	18354.6	2.06	mg/L	0.004	2.06	mg/L	0.004	0.19%
Al 308	33051.5	1.93	mg/L	0.011	1.93	mg/L	0.011	0.58%
Ca 318	191859.9	2.24	mg/L	0.027	2.24	mg/L	0.027	1.20%
Na 590	330652.6	2.26	mg/L	0.023	2.26	mg/L	0.023	1.03%

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Sequence No.: 18 **Autosampler Location: 15**
Sample ID: G368-72-3D msd **Date Collected: 7/10/2009 09:43:44 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-72-3D msd

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G368-72-3D msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	17210.0	0.384	mg/L	0.0047	0.384	mg/L	0.0047	1.21%
Fe 260	186865.5	2.01	mg/L	0.013	2.01	mg/L	0.013	0.64%
Mg 279	18258.9	2.04	mg/L	0.022	2.04	mg/L	0.022	1.06%
Al 308	33761.1	1.97	mg/L	0.008	1.97	mg/L	0.008	0.40%
Ca 318	193807.4	2.26	mg/L	0.030	2.26	mg/L	0.030	1.35%
Na 590	333366.3	2.27	mg/L	0.042	2.27	mg/L	0.042	1.86%

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Sequence No.: 19 **Autosampler Location: 16**
Sample ID: G910-6-1H **Date Collected: 7/10/2009 09:46:55 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G910-6-1H

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G910-6-1H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	40152.4	0.889	mg/L	0.0010	0.889	mg/L	0.0010	0.11%

Fe 260	1587038.4	16.9	mg/L	0.19	16.9	mg/L	0.19	1.15%
Mg 279	26895.9	3.00	mg/L	0.012	3.00	mg/L	0.012	0.40%
Al 308	1792.2	0.131	mg/L	0.0043	0.131	mg/L	0.0043	3.25%
Ca 318	12443816.9	144	mg/L	0.4	144	mg/L	0.4	0.27%
Na 590	1247950.6	8.48	mg/L	0.029	8.48	mg/L	0.029	0.34%

Sequence No.: 20 **Autosampler Location: 17**
Sample ID: G910-6-2H **Date Collected: 7/10/2009 09:50:04 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G910-6-2H

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G910-6-2H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	2.8	0.0056	mg/L	0.00299	0.0056	mg/L	0.00299	53.46%
Fe 260	6511.3	0.0888	mg/L	0.00000	0.0888	mg/L	0.00000	0.00%
Mg 279	26552.7	2.96	mg/L	0.075	2.96	mg/L	0.075	2.52%
Al 308	97.9	0.0334	mg/L	0.00820	0.0334	mg/L	0.00820	24.56%
Ca 318	11360209.8	132	mg/L	1.2	132	mg/L	1.2	0.94%
Na 590	1202151.6	8.17	mg/L	0.040	8.17	mg/L	0.040	0.49%

Sequence No.: 21 **Autosampler Location: 18**
Sample ID: G910-6-3H **Date Collected: 7/10/2009 09:53:16 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G910-6-3H

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G910-6-3H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	33.2	0.0063	mg/L	0.00331	0.0063	mg/L	0.00331	52.84%
Fe 260	714.2	0.0269	mg/L	0.00324	0.0269	mg/L	0.00324	12.02%
Mg 279	26431.0	2.95	mg/L	0.047	2.95	mg/L	0.047	1.58%
Al 308	281.6	0.0440	mg/L	0.01608	0.0440	mg/L	0.01608	36.59%
Ca 318	11416133.4	132	mg/L	0.0	132	mg/L	0.0	0.03%
Na 590	1241904.8	8.44	mg/L	0.040	8.44	mg/L	0.040	0.48%

Sequence No.: 22 **Autosampler Location: 19**
Sample ID: G910-6-3I dup **Date Collected: 7/10/2009 09:56:26 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G910-6-3I dup

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G910-6-3I dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-207.1	0.0010	mg/L	0.00121	0.0010	mg/L	0.00121	124.82%
Fe 260	-359.4	0.0155	mg/L	0.00000	0.0155	mg/L	0.00000	0.00%
Mg 279	26457.4	2.95	mg/L	0.006	2.95	mg/L	0.006	0.19%
Al 308	101.8	0.0336	mg/L	0.00789	0.0336	mg/L	0.00789	23.46%

Ca 318	11399853.5	132 mg/L	1.7	132 mg/L	1.7	1.26%
Na 590	1237587.3	8.41 mg/L	0.002	8.41 mg/L	0.002	0.02%

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Sequence No.: 23 **Autosampler Location: 3**
Sample ID: ccv2 **Date Collected: 7/10/2009 09:59:37 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccv2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	21629.3	0.481	mg/L	0.0042	0.481	mg/L	0.0042	0.88%
Fe 260	231524.7	2.49	mg/L	0.026	2.49	mg/L	0.026	1.04%
Mg 279	22074.1	2.47	mg/L	0.013	2.47	mg/L	0.013	0.51%
Al 308	42716.6	2.49	mg/L	0.004	2.49	mg/L	0.004	0.16%
Ca 318	214562.7	2.50	mg/L	0.031	2.50	mg/L	0.031	1.26%
Na 590	361380.8	2.46	mg/L	0.053	2.46	mg/L	0.053	2.14%

==========

Sequence No.: 24 **Autosampler Location: 1**
Sample ID: ccb2 **Date Collected: 7/10/2009 10:02:49 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-152.3	0.0022	mg/L	0.00149	0.0022	mg/L	0.00149	68.67%
Fe 260	-144.7	0.0178	mg/L	0.02267	0.0178	mg/L	0.02267	127.48%
Mg 279	-16.3	0.0235	mg/L	0.00142	0.0235	mg/L	0.00142	6.03%
Al 308	141.4	0.0359	mg/L	0.02106	0.0359	mg/L	0.02106	58.68%
Ca 318	492.1	0.0222	mg/L	0.00236	0.0222	mg/L	0.00236	10.67%
Na 590	-3012.7	-0.0083	mg/L	0.00374	-0.0083	mg/L	0.00374	44.83%

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Sequence No.: 25 **Autosampler Location: 20**
Sample ID: G734-123-3B x10000 **Date Collected: 7/10/2009 10:05:58 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G734-123-3B x10000

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G734-123-3B x10000

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-159.3	0.0020	mg/L	0.00210	0.0020	mg/L	0.00210	104.12%
Fe 260	74358.8	0.812	mg/L	0.0194	0.812	mg/L	0.0194	2.39%
Mg 279	12.3	0.0267	mg/L	0.01609	0.0267	mg/L	0.01609	60.31%
Al 308	-201.4	0.0161	mg/L	0.00103	0.0161	mg/L	0.00103	6.39%
Ca 318	4930.6	0.0735	mg/L	0.00653	0.0735	mg/L	0.00653	8.88%
Na 590	174248.5	1.19	mg/L	0.027	1.19	mg/L	0.027	2.22%

Sequence No.: 26
Sample ID: G734-123-3C ms x10000
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 21
Date Collected: 7/10/2009 10:09:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G734-123-3C ms x10000

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G734-123-3C ms x10000

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-82.6	0.0037	mg/L	0.00141	0.0037	mg/L	0.00141	37.87%
Fe 260	76076.5	0.831	mg/L	0.0130	0.831	mg/L	0.0130	1.56%
Mg 279	25.5	0.0281	mg/L	0.00326	0.0281	mg/L	0.00326	11.58%
Al 308	31.9	0.0296	mg/L	0.01151	0.0296	mg/L	0.01151	38.92%
Ca 318	1810.4	0.0374	mg/L	0.00154	0.0374	mg/L	0.00154	4.11%
Na 590	177803.9	1.22	mg/L	0.001	1.22	mg/L	0.001	0.09%

Sequence No.: 27
Sample ID: G684-120-1B x10000
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 22
Date Collected: 7/10/2009 10:12:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G684-120-1B x10000

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G684-120-1B x10000

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-183.0	0.0015	mg/L	0.00163	0.0015	mg/L	0.00163	108.33%
Fe 260	43725.7	0.486	mg/L	0.0151	0.486	mg/L	0.0151	3.12%
Mg 279	62.2	0.0322	mg/L	0.00231	0.0322	mg/L	0.00231	7.19%
Al 308	-310.8	0.0098	mg/L	0.00000	0.0098	mg/L	0.00000	0.00%
Ca 318	1810.4	0.0374	mg/L	0.00937	0.0374	mg/L	0.00937	25.02%
Na 590	122256.2	0.842	mg/L	0.0002	0.842	mg/L	0.0002	0.03%

Sequence No.: 28
Sample ID: G684-120-1C dup x10000
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 23
Date Collected: 7/10/2009 10:15:30 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G684-120-1C dup x10000

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: G684-120-1C dup x10000

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-263.7	-0.0003	mg/L	0.00157	-0.0003	mg/L	0.00157	570.88%
Fe 260	48164.5	0.533	mg/L	0.0194	0.533	mg/L	0.0194	3.65%
Mg 279	-76.8	0.0168	mg/L	0.00095	0.0168	mg/L	0.00095	5.62%
Al 308	-61.1	0.0242	mg/L	0.01246	0.0242	mg/L	0.01246	51.42%
Ca 318	2205.3	0.0420	mg/L	0.00186	0.0420	mg/L	0.00186	4.42%
Na 590	134866.2	0.927	mg/L	0.0027	0.927	mg/L	0.0027	0.29%

Sequence No.: 29
Sample ID: icsA2
Autosampler Location: 8
Date Collected: 7/10/2009 10:18:39 AM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: icsA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-102.1	0.0033	mg/L	0.00225	0.0033	mg/L	0.00225	68.51%
Fe 260	9619791.3	103	mg/L	0.9	103	mg/L	0.9	0.89%
Mg 279	366660.4	40.6	mg/L	0.46	40.6	mg/L	0.46	1.14%
Al 308	1768775.3	102	mg/L	0.3	102	mg/L	0.3	0.31%
Ca 318	3569413.6	41.3	mg/L	0.48	41.3	mg/L	0.48	1.15%
Na 590	-1968.4	-0.0012	mg/L	0.00238	-0.0012	mg/L	0.00238	190.52%

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Sequence No.: 30
Sample ID: icsB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/10/2009 10:21:51 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: icsB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	12384.5	0.278	mg/L	0.0005	0.278	mg/L	0.0005	0.18%
Fe 260	8973881.2	95.7	mg/L	0.66	95.7	mg/L	0.66	0.69%
Mg 279	346075.0	38.3	mg/L	0.10	38.3	mg/L	0.10	0.26%
Al 308	1680467.1	96.8	mg/L	0.44	96.8	mg/L	0.44	0.46%
Ca 318	3371076.0	39.0	mg/L	0.39	39.0	mg/L	0.39	1.01%
Na 590	-3367.0	-0.0107	mg/L	0.00059	-0.0107	mg/L	0.00059	5.52%

==========

Sequence No.: 31
Sample ID: ccv3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/10/2009 10:25:07 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv3

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccv3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	21841.6	0.486	mg/L	0.0051	0.486	mg/L	0.0051	1.05%
Fe 260	231524.7	2.49	mg/L	0.006	2.49	mg/L	0.006	0.26%
Mg 279	22208.2	2.48	mg/L	0.016	2.48	mg/L	0.016	0.65%
Al 308	42628.6	2.48	mg/L	0.011	2.48	mg/L	0.011	0.45%
Ca 318	211583.8	2.47	mg/L	0.010	2.47	mg/L	0.010	0.41%
Na 590	359860.6	2.45	mg/L	0.033	2.45	mg/L	0.033	1.33%

==========

Sequence No.: 32
Sample ID: ccb3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/10/2009 10:28:19 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb3

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: ccb3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-139.3	0.0025	mg/L	0.00061	0.0025	mg/L	0.00061	24.62%
Fe 260	284.8	0.0224	mg/L	0.00972	0.0224	mg/L	0.00972	43.45%
Mg 279	110.9	0.0376	mg/L	0.00311	0.0376	mg/L	0.00311	8.27%
Al 308	100.7	0.0335	mg/L	0.01505	0.0335	mg/L	0.01505	44.88%
Ca 318	145.2	0.0181	mg/L	0.00500	0.0181	mg/L	0.00500	27.54%
Na 590	-2924.0	-0.0077	mg/L	0.00045	-0.0077	mg/L	0.00045	5.80%

8082 Prep, Standard, Run Logs

Prep Report for Batch 14608 (8082/3520/WATER) on 2009-07-09 by dtf

Sample ID (GCCODE)	EXT	InitVol	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot	HexaneLot	Balance
G368-72-2C (631035)		883			8080SRSV03W67P	0.5	5.0	CZ479	CY382	WB2
G902-44-1I (631036)		978			8080SRSV03W67P	0.5	5.0	CZ479	CY382	WB2
LCS14608	LCS	1000	8082QCSV03W79U-Y	1.0	8080SRSV03W67P	0.5	5.0	CZ479	CY382	WB2
LCSD14608	LCSD	1000	8082QCSV03W79U-Y	1.0	8080SRSV03W67P	0.5	5.0	CZ479	CY382	WB2
PB14608	PB	1000			8080SRSV03W67P	0.5	5.0	CZ479	CY382	WB2

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Initial Cal. Curve: 06/16/09

Matrix: Soil/Water

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	6/16/2009 12:07					BWS	
001B0102.D	b	6/16/2009 12:19					BWS	
001B0103.D	b	6/16/2009 12:32					BWS	
001B0104.D	b	6/16/2009 12:45					BWS	
001B0105.D	b	6/16/2009 12:58					BWS	
002B0201.D	PCB 2000	6/16/2009 13:11					BWS	
002B0202.D	PCB 2000	6/16/2009 13:24					BWS	
002B0203.D	PCB 2000	6/16/2009 13:37					BWS	
002B0204.D	PCB 2000	6/16/2009 13:50					BWS	
002B0205.D	PCB 2000	6/16/2009 14:02					BWS	
003B0301.D	b	6/16/2009 14:15					BWS	
003B0302.D	b	6/16/2009 14:28					BWS	
003B0303.D	b	6/16/2009 14:40					BWS	
003B0304.D	b	6/16/2009 14:53					BWS	
003B0305.D	b	6/16/2009 15:06					BWS	
004B0401.D	A1221 x2000 ICAL	6/16/2009 15:19	Good curve F+B	✓	✓		BWS	
005B0501.D	A1221 x1000 ICAL	6/16/2009 15:32	↓	↓	↓		BWS	
006B0601.D	A1221 x500 ICAL	6/16/2009 15:45	↓	↓	↓		BWS	
007B0701.D	A1221 x200 ICAL	6/16/2009 15:57	↓	↓	↓		BWS	
008B0801.D	A1221 x100 ICAL	6/16/2009 16:10	↓	↓	↓		BWS	
009B0901.D	A1221 x40 ICAL	6/16/2009 16:23	↓	↓	↓		BWS	
010B1001.D	A1232 x2000 ICAL	6/16/2009 16:36	Good curve F+B	✓	✓		BWS	
011B1101.D	A1232 x1000 ICAL	6/16/2009 16:49	↓	↓	↓		BWS	
012B1201.D	A1232 x500 ICAL	6/16/2009 17:02	↓	↓	↓		BWS	

Analyst: [illegible]

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
013B1301.D	A1232 x200 ICAL	6/16/2009 17:15	Good Curve F + B	✓	✓		BWS	
014B1401.D	A1232 x100 ICAL	6/16/2009 17:28	↓	↓	↓		BWS	
015B1501.D	A1232 x40 ICAL	6/16/2009 17:40	↓	↓	↓		BWS	
016B1601.D	A1242 x2000 ICAL	6/16/2009 17:53	Good Curve F+B	✓	✓		BWS	
017B1701.D	A1242 x1000 ICAL	6/16/2009 18:06	↓	↓	↓		BWS	
018B1801.D	A1242 x500 ICAL	6/16/2009 18:19	↓	↓	↓		BWS	
019B1901.D	A1242 x200 ICAL	6/16/2009 18:32	↓	↓	↓		BWS	
020B2001.D	A1242 x100 ICAL	6/16/2009 18:45	↓	↓	↓		BWS	
021B2101.D	A1242 x40 ICAL	6/16/2009 18:58	↓	↓	↓		BWS	
022B2201.D	A1248 x2000 ICAL	6/16/2009 19:11	Good Curve F + B	✓	✓		BWS	
023B2301.D	A1248 x1000 ICAL	6/16/2009 19:24	↓	↓	↓		BWS	
024B2401.D	A1248 x500 ICAL	6/16/2009 19:37	↓	↓	↓		BWS	
025B2501.D	A1248 x200 ICAL	6/16/2009 19:49	↓	↓	↓		BWS	
026B2601.D	A1248 x100 ICAL	6/16/2009 20:02	↓	↓	↓		BWS	
027B2701.D	A1248 x40 ICAL	6/16/2009 20:15	↓	↓	↓		BWS	
028B2801.D	A1254 x2000 ICAL	6/16/2009 20:28	Good Curve F + B	✓	✓		BWS	
029B2901.D	A1254 x1000 ICAL	6/16/2009 20:41	↓	↓	↓		BWS	
030B3001.D	A1254 x500 ICAL	6/16/2009 20:54	↓	↓	↓		BWS	
031B3101.D	A1254 x200 ICAL	6/16/2009 21:07	↓	↓	↓		BWS	
032B3201.D	A1254 x100 ICAL	6/16/2009 21:20	↓	↓	↓		BWS	
033B3301.D	A1254 x40 ICAL	6/16/2009 21:33	↓	↓	↓		BWS	
034B3401.D	PCB x2000 ICAL	6/16/2009 21:46	Good Curve F+ B	✓	✓		BWS	
035B3501.D	PCB x1000 ICAL	6/16/2009 21:58	↓	↓	↓		BWS	

Analyst: [illegible]

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 2

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
036B3601.D	PCB x500 ICAL	6/16/2009 22:11	Good Curve F + B	✓	✓		BWS	
037B3701.D	PCB x200 ICAL	6/16/2009 22:24					BWS	
038B3801.D	PCB x100 ICAL	6/16/2009 22:37					BWS	
039B3901.D	PCB x40 ICAL	6/16/2009 22:50					BWS	
040B4001.D	cvs-1221-1000	6/16/2009 23:03			✓		BWS	
041B4101.D	cvs-1232-1000	6/16/2009 23:16			✓		BWS	
042B4201.D	cvs-1242-1000	6/16/2009 23:29			✓		BWS	
043B4301.D	cvs-1248-1000	6/16/2009 23:42			✓		BWS	
044B4401.D	cvs-1254-1000	6/16/2009 23:55			✓		BWS	
045B4501.D	cvs-PCB-1000	6/17/2009 0:07			✓		BWS	
046B4601.D	PB14434 x1	6/17/2009 0:20			✓		BWS	
047B4701.D	LCS14434 x1	6/17/2009 0:33			✓		BWS	
048B4801.D	LCSD14434 x1	6/17/2009 0:46			✓		BWS	
049B4901.D	G582-382-1O x100	6/17/2009 0:59	54-5; 60-3 (54,60)		~~X250~~		BWS	
050B5001.D	G582-386-1J x1	6/17/2009 1:12	54-5; 60-3 (54,60)		✓		BWS	
051B5101.D	G582-387-1I x1	6/17/2009 1:25			x5		BWS	
052B5201.D	G100-1090-6D x1	6/17/2009 1:38			✓		BWS	
044B5301.D	cvs-1254-1000	6/17/2009 1:50			✓		BWS	
045B5401.D	cvs-PCB-1000	6/17/2009 2:03			✓		BWS	
		BWS	6.17.09					

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 3

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec071009

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	7/10/2009 9:05					BWS	
002B0201.D	b	7/10/2009 9:17					BWS	
003B0301.D	b	7/10/2009 9:30					BWS	
004B0401.D	cvs-1221-1000	7/10/2009 9:43			✓		BWS	
005B0501.D	cvs-1232-1000	7/10/2009 9:56			✓		BWS	
006B0601.D	cvs-1242-1000	7/10/2009 10:09			✓		BWS	
007B0701.D	cvs-1248-1000	7/10/2009 10:21			✓		BWS	
008B0801.D	cvs-1254-1000	7/10/2009 10:34			✓		BWS	
009B0901.D	cvs-PCB-1000	7/10/2009 10:47			✓		BWS	
010B0101.D	PB14614 x1	7/10/2009 11:49			✓		BWS	
011B0201.D	LCS14614 x1	7/10/2009 12:02			✓		BWS	
012B0301.D	LCSD14614 x1	7/10/2009 12:15			✓		BWS	
013B0401.D	PB14608 x1	7/10/2009 12:28			✓		BWS	
014B0501.D	LCS14608 x1	7/10/2009 12:41			✓		BWS	
015B0601.D	LCSD14608 x1	7/10/2009 12:53			✓		BWS	
016B0701.D	G366-72-2C x1	7/10/2009 13:06			✓		BWS	
017B0801.D	G902-44-1I x1	7/10/2009 13:19			✓		BWS	
018B0901.D	G1054-3-1B x1	7/10/2009 13:32			x5		BWS	
019B0101.D	G1054-3-1B x5	7/10/2009 14:18	DNT		✓		BWS	
020B0101.D	cvs-1254-1000	7/10/2009 14:48			✓		BWS	
021B0201.D	cvs-PCB-1000	7/10/2009 15:01			✓		BWS	
			BWS 7-10-09					

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

8082 Calibration Raw Data

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	245.3261566	2.81282
		2	155.8206329	2.9226999
		3	638.8563843	2.9537599
		4	0	0
		5	0	0
	100	1	500.9041748	2.8134401
		2	303.3854675	2.92314
		3	1263.362671	2.9544599
		4	0	0
		5	0	0
	200	1	1008.540039	2.8132801
		2	614.2987671	2.9228699
		3	2581.186279	2.9542
		4	0	0
		5	0	0
	500	1	2391.794678	2.8136101
		2	1448.612183	2.9233999
		3	5996.157715	2.9551401
		4	0	0
		5	0	0
	1000	1	5249.20459	2.8127799
		2	2938.137451	2.92238
		3	12695.41699	2.9535899
		4	0	0
		5	0	0
	2000	1	10792.90527	2.81248
		2	5933.97168	2.92207
		3	25705.44531	2.9533701
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	2.7831	2.8431
2	2.8928	2.9528
3	2.9241	2.9841
4		
5		

Peak	Correlation Coefficient (r)
1	0.999547291
2	0.99993285
3	0.999800257
4	
5	

Peak	Slope (y)
1	0.184846976
2	0.338626207
3	0.077910074
4	
5	

Peak	Intercept (b)
1	18.03074848
2	-3.063931603
3	5.287071647
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	128.4451447	3.47328
		2	130.5376434	3.7929001
		3	138.2742157	4.1808
		4	77.82170105	4.6981201
		5	96.44385529	5.0638099
	100	1	216.2887573	3.4734199
		2	200.2416382	3.79285
		3	210.9858551	4.1808701
		4	116.2147293	4.6984401
		5	142.0018921	5.0647101
	200	1	486.6502991	3.4735601
		2	427.340332	3.7934599
		3	469.4269409	4.1813598
		4	247.6925964	4.6983299
		5	301.9916687	5.0646
	500	1	1370.64856	3.4731901
		2	1150.080566	3.7936101
		3	1341.419922	4.1807799
		4	687.4240723	4.6979799
		5	817.4537964	5.0646801
	1000	1	2691.677979	3.4730201
		2	2218.20874	3.7932701
		3	2850.830322	4.1803799
		4	1341.828247	4.6978002
		5	1594.224243	5.0641999
	2000	1	5829.130859	3.4735501
		2	4788.60791	3.7937801
		3	7059.396484	4.1809101
		4	2918.447266	4.6979399
		5	3467.224609	5.06462

Peak	RT Window From	RT Window To
1	3.4433	3.5033
2	3.7633	3.8233
3	4.1508	4.2108
4	4.6681	4.7281
5	5.0344	5.0944

Peak	Correlation Coefficient (r)
1	0.999266493
2	0.999219182
3	0.995103716
4	0.999080518
5	0.999057834

✓

Peak	Slope (y)
1	0.342282466
2	0.419088189
3	0.280616234
4	0.686112548
5	0.578432121

Peak	Intercept (b)
1	28.29322338
2	17.30362431
3	75.4780663
4	23.70756688
5	21.14125161

PCB Initial Calibration Summary

Sample ID: A1242
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	113.9381485	3.47331
		2	252.1701965	3.7927699
		3	246.2476196	4.1816001
		4	149.9369507	4.69876
		5	173.3050385	5.0646601
	100	1	207.6104431	3.4740601
		2	414.2875061	3.7943499
		3	543.1567383	4.1816502
		4	276.8204651	4.6985002
		5	336.6770325	5.06496
	200	1	395.3930054	3.4739399
		2	780.1361694	3.79441
		3	1045.235474	4.18186
		4	536.1246948	4.6989398
		5	648.7318115	5.0650902
	500	1	960.0159912	3.47364
		2	1938.765625	3.79444
		3	2829.961426	4.1811299
		4	1360.825806	4.6981301
		5	1634.499023	5.06464
	1000	1	2033.830322	3.4737101
		2	4071.440674	3.7948501
		3	6488.691406	4.18156
		4	2958.269775	4.6987901
		5	3563.592041	5.0651002
	2000	1	3962.707275	3.4741099
		2	7946.291992	3.79532
		3	12468.87988	4.1816802
		4	5915.206055	4.6987801
		5	7151.570801	5.0652599

Peak	RT Window From	RT Window To
1	3.4438	3.5038
2	3.7644	3.8244
3	4.1516	4.2116
4	4.6687	4.7287
5	5.0350	5.0950

Peak	Correlation Coefficient (r)
1	0.999808258
2	0.999804811
3	0.999330689
4	0.999726656
5	0.999718569

✓

Peak	Slope (y)
1	0.504723015
2	0.251962874
3	0.157819658
4	0.336631004
5	0.278421794

Peak	Intercept (b)
1	-5.498271349
2	-6.834562602
3	18.65946912
4	11.78013154
5	13.16229906

PCB Initial Calibration Summary

Sample ID: A1248
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	180.3321991	4.46912
		2	266.9612122	4.6998501
		3	314.8575134	5.0650902
		4	283.4669495	5.2547898
		5	125.6370163	5.6012502
	100	1	311.6848145	4.4682598
		2	390.6215515	4.6981702
		3	563.4898682	5.0645099
		4	539.5948486	5.2544198
		5	232.8683472	5.6003799
	200	1	701.99823	4.4685998
		2	905.8077393	4.6981902
		3	1303.56958	5.0648398
		4	1268.165771	5.2543702
		5	535.5101318	5.6005902
	500	1	1901.684937	4.4695501
		2	2512.919678	4.69941
		3	3658.345947	5.0655298
		4	3585.534424	5.2551899
		5	1494.218994	5.6015201
	1000	1	4111.20459	4.4686298
		2	5394.391602	4.6985502
		3	7994.771484	5.0648599
		4	7896.041504	5.2544498
		5	3272.715576	5.60109
	2000	1	8806.677734	4.4691
		2	11836.07129	4.6990199
		3	17186.01758	5.0652699
		4	17175.9707	5.25488
		5	7110.137695	5.6010199

Peak	RT Window From	RT Window To
1	4.4389	4.4989
2	4.6689	4.7289
3	5.0350	5.0950
4	5.2247	5.2847
5	5.5710	5.6310

Peak	Correlation Coefficient (r)
1	0.999214642
2	0.998741491
3	0.9991701
4	0.99898148
5	0.998990615

✓

Peak	Slope (y)
1	0.225261722
2	0.167686467
3	0.115080361
4	0.114998218
5	0.278205875

Peak	Intercept (b)
1	38.79213832
2	44.52374958
3	45.01435743
4	50.65762646
5	47.83472661

PCB Initial Calibration Summary

Sample ID: A1254 Date: 16-Jun-09
Inst: ECD2 Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	229.1189117	5.0585999
		2	249.3790131	5.2213602
		3	330.6585693	5.60078
		4	261.4362183	5.7873101
		5	341.5723877	6.2081499
	100	1	447.2060547	5.0588102
		2	505.8791199	5.22156
		3	680.1452026	5.6012301
		4	629.8706055	5.7874298
		5	720.9144897	6.20858
	200	1	926.4535522	5.0589399
		2	987.8835449	5.2212801
		3	1473.576904	5.60076
		4	1242.702637	5.78721
		5	1477.556396	6.2087498
	500	1	2630.861328	5.0586801
		2	2990.208008	5.2210898
		3	4376.578613	5.6012101
		4	3507.077637	5.7876501
		5	4512.064941	6.20889
	1000	1	5308.978027	5.0584302
		2	6097.466797	5.2210202
		3	8935.365234	5.6009202
		4	7195.558105	5.7871099
		5	9338.537109	6.2082801
	2000	1	10664.68945	5.0589399
		2	10872.67285	5.2214198
		3	18025.05078	5.60109
		4	14417.08203	5.7869501
		5	17500.42969	6.2084498

Peak	RT Window From	RT Window To
1	5.0287	5.0887
2	5.1913	5.2513
3	5.5710	5.6310
4	5.7573	5.8173
5	6.1785	6.2385

Peak	Correlation Coefficient (r)
1	0.999915636
2	0.99777029
3	0.999890888
4	0.99993799
5	0.999128405

Peak	Slope (y)
1	0.186334645
2	0.180272726
3	0.1097659
4	0.137621182
5	0.112275523

Peak	Intercept (b)
1	12.44642635
2	-12.09119839
3	21.26104952
4	14.88497466
5	5.810303883

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	121.0674515	3.47349
		2	251.3697815	3.79391
		3	263.068573	4.1812401
		4	195.8108978	4.2961798
		5	160.0380554	4.6985602
	100	1	217.4214935	3.47403
		2	437.2928162	3.79476
		3	485.585144	4.1816101
		4	360.8550415	4.2965102
		5	295.4402771	4.69875
	200	1	459.3583984	3.47331
		2	925.944458	3.7941699
		3	1129.475098	4.18115
		4	785.0092773	4.2961998
		5	634.2442017	4.6986198
	500	1	1173.999146	3.4734199
		2	2337.430176	3.7948301
		3	3116.475342	4.1812501
		4	2094.157959	4.29603
		5	1677.998413	4.6981301
	1000	1	2033.769165	3.47434
		2	4170.358398	3.7955101
		3	5876.343262	4.1814098
		4	4022.451172	4.2962298
		5	3104.989746	4.6984301
	2000	1	4519.233398	3.4735301
		2	9469.867188	3.79459
		3	14670.11328	4.1814399
		4	8460.355469	4.2961302
		5	6825.107422	4.6985202

Peak	RT Window From	RT Window To
1	3.4437	3.5037
2	3.7646	3.8246
3	4.1513	4.2113
4	4.2662	4.3262
5	4.6685	4.7285

Peak	Correlation Coefficient (r)
1	0.998355568
2	0.997966813
3	0.995224524
4	0.999664696
5	0.99891501

Peak	Slope (y)
1	0.448394325
2	0.213628789
3	0.135993496
4	0.236777332
5	0.294674522

Peak	Intercept (b)
1	2.917677126
2	13.63103358
3	61.09697749
4	11.80448894
5	16.37941922

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	317.7681885	5.7591901
		2	382.4143982	5.9278698
		3	472.3563538	6.20647
		4	666.4926147	6.69345
		5	445.2432251	6.9662399
	100	1	561.5331421	5.75875
		2	743.8937378	5.9271998
		3	927.6226196	6.2058802
		4	1324.988892	6.6930399
		5	870.4468384	6.9654398
	200	1	1251.001831	5.7593498
		2	1690.699341	5.9280801
		3	2103.305664	6.20682
		4	3117.929688	6.6939502
		5	2021.848267	6.9668102
	500	1	3357.37085	5.7589998
		2	4654.072754	5.9275799
		3	5743.004883	6.2065001
		4	8792.444336	6.6933098
		5	5652.148438	6.96594
	1000	1	6291.233887	5.7596598
		2	9044.022461	5.9281502
		3	10616.62402	6.2068701
		4	17067.61328	6.6947699
		5	11121.81738	6.9676399
	2000	1	13629.30078	5.7596002
		2	19083.54102	5.9280601
		3	24213.02539	6.2066202
		4	36985.36719	6.6940398
		5	23803.99414	6.9664102

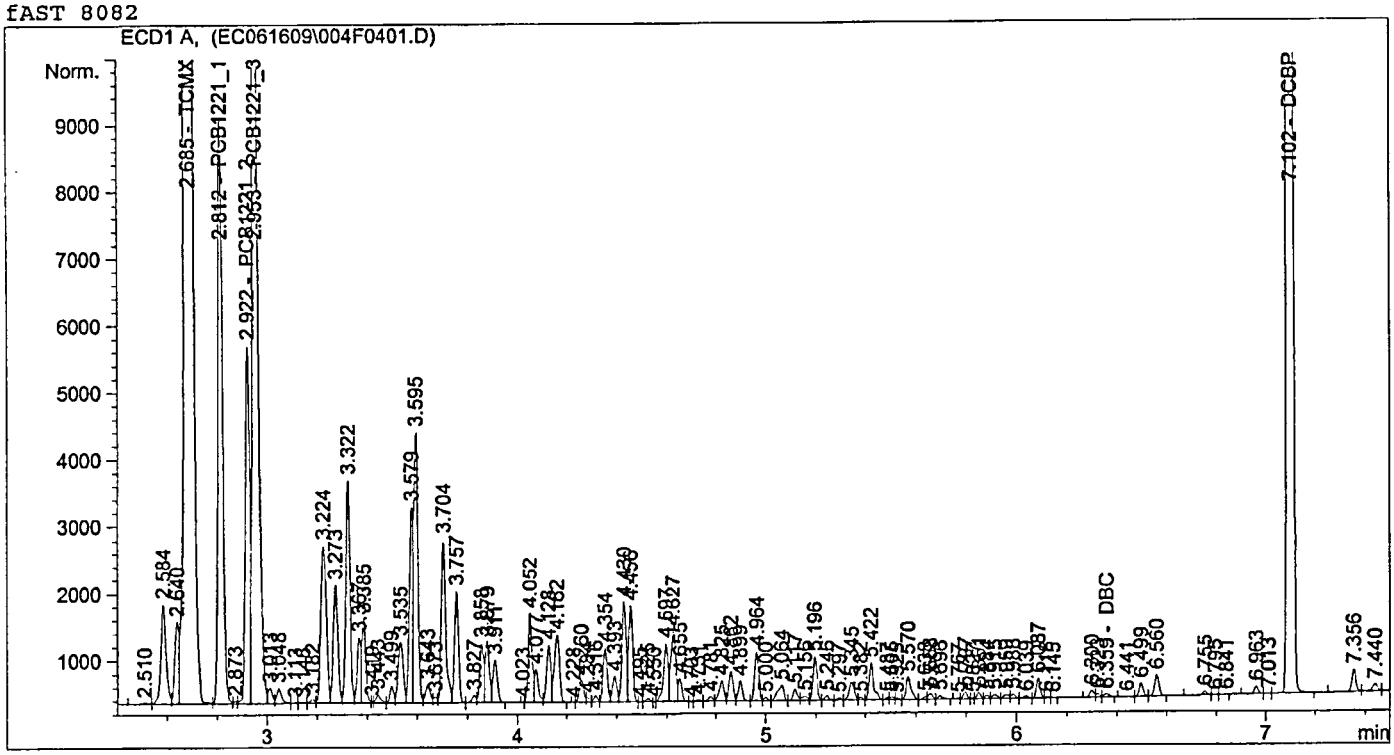
Peak	RT Window From	RT Window To
1	5.7293	5.7893
2	5.8978	5.9578
3	6.1765	6.2365
4	6.6638	6.7238
5	6.9364	6.9964

Peak	Correlation Coefficient (r)
1	0.999213429
2	0.999670366
3	0.99816869
4	0.999340639
5	0.999516287

Peak	Slope (y)
1	0.147230058
2	0.104555885
3	0.082761897
4	0.053867902
5	0.083666593

Peak	Intercept (b)
1	16.52465945
2	19.65871446
3	32.03194905
4	29.90259793
5	27.62331452

```
==================================================================
Injection Date  : 6/16/2009 2:53:36 PM          Seq. Line :   4
Sample Name     : A1221 x2000 ICAL               Location : Vial 4
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.25626e5	1.61557e-3	202.95710		TCMX
2.812	VV	1.07929e4	1.86633e-1	2014.31070		PCB1221_1
2.922	VV	5933.97168	3.38141e-1	2006.51791		PCB1221_2
2.953	VV	2.57054e4	7.81370e-2	2008.54689		PCB1221_3
6.359	VBA	68.02941	0.00000	0.00000		DBC
7.102	VB	1.02589e5	1.98494e-3	203.63239		DCBP

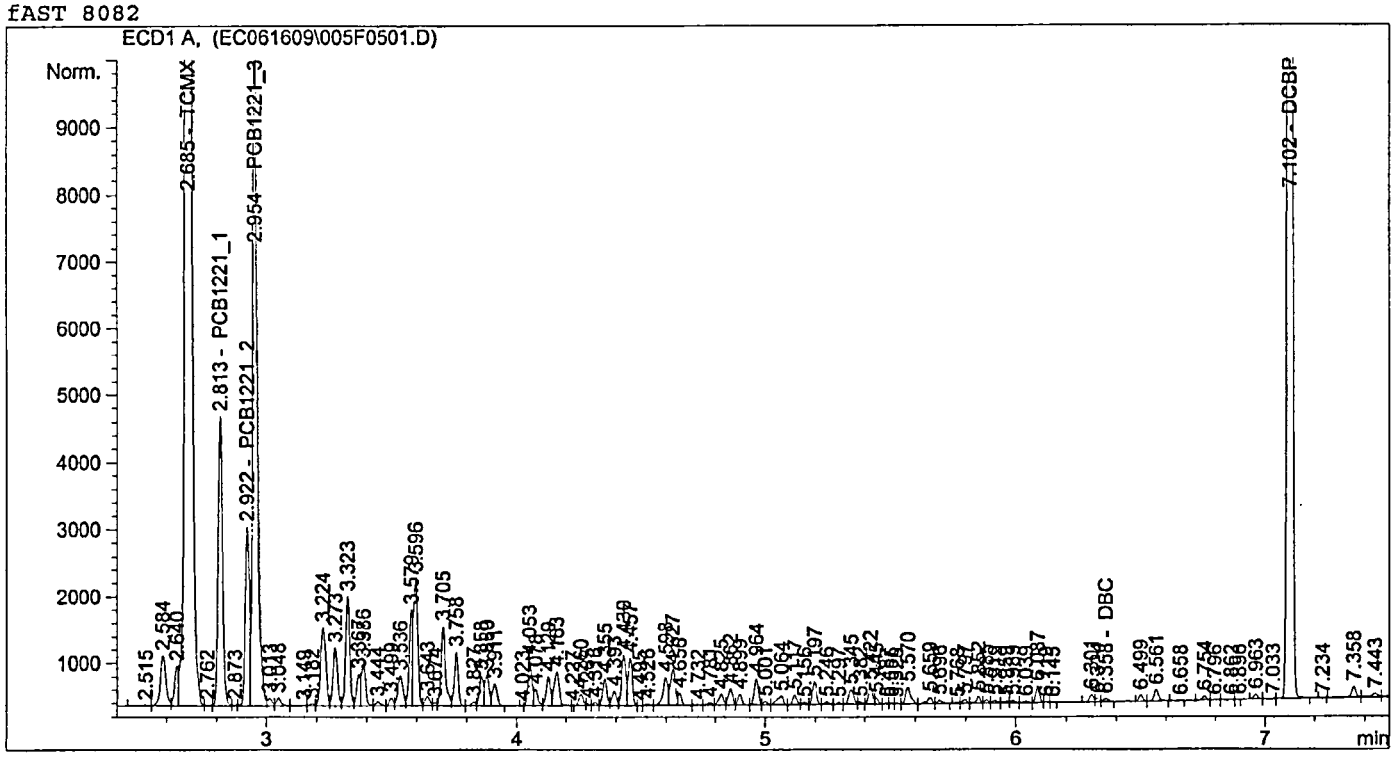
BWS
6·17·09

Totals : 6435.96498

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:06:27 PM          Seq. Line :   5
Sample Name     : A1221 x1000 ICAL               Location : Vial 5
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85362e4	1.65228e-3	96.71822		TCMX
2.813	VV	5249.20459	1.88342e-1	988.64594		PCB1221_1
2.922	VV	2938.13745	3.37599e-1	991.91367		PCB1221_2
2.954	VV	1.26954e4	7.83377e-2	994.52957		PCB1221_3
6.358	VV	69.65521	0.00000	0.00000		DBC
7.102	VB	4.64764e4	2.03257e-3	94.46667		DCBP
Totals :				3166.27407		

JWS
6-17-09

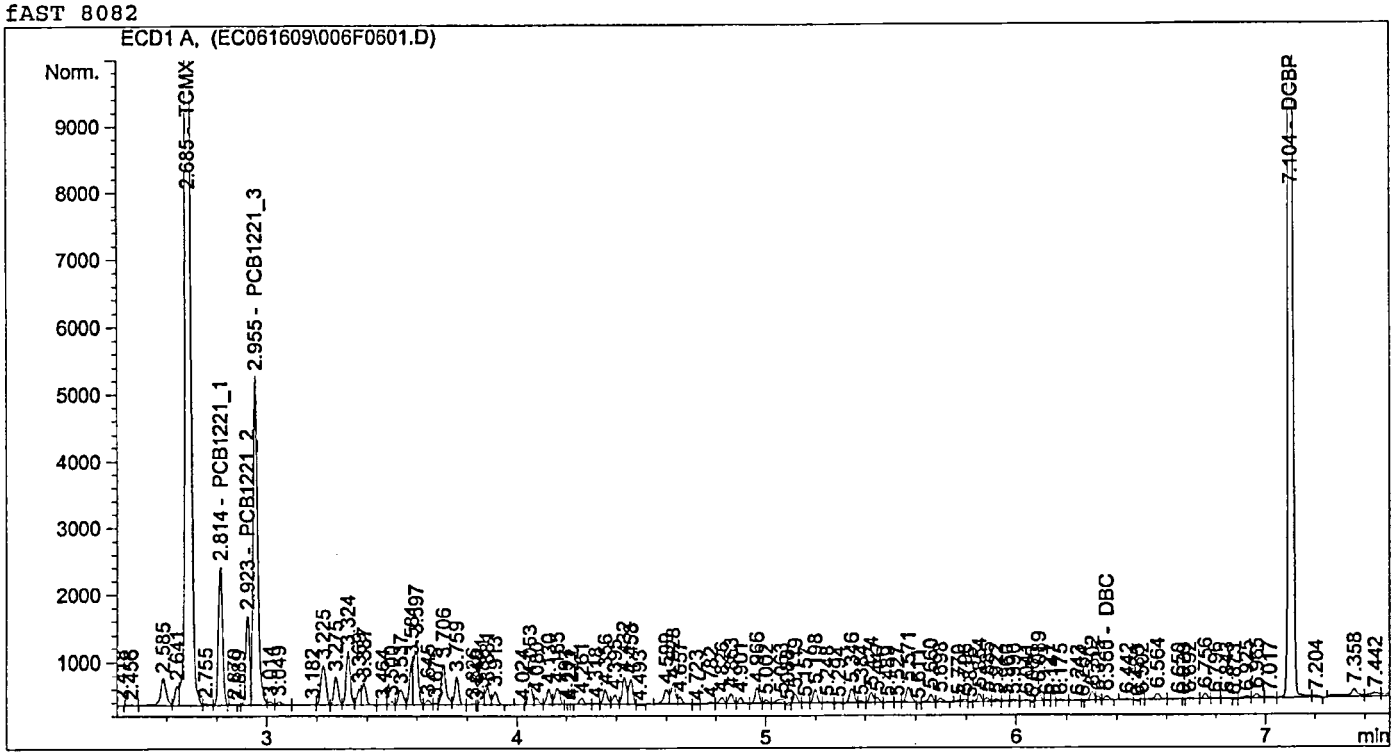
```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

==========

Injection Date : 6/16/2009 3:19:26 PM Seq. Line : 6
Sample Name : A1221 x500 ICAL Location : Vial 6
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed : 6/17/2009 10:44:50 AM by BWS
fAST 8082



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External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2.50498e4	1.74417e-3	43.69111		TCMX
2.814	VP	2391.79468	1.92317e-1	459.98381		PCB1221_1
2.923	PV	1448.61218	3.36497e-1	487.45363		PCB1221_2
2.955	VV	5996.15771	7.87807e-2	472.38121		PCB1221_3
6.360	VBA	82.02856	0.00000	0.00000		DBC
7.104	VB	2.14117e4	2.13452e-3	45.70364		DCBP

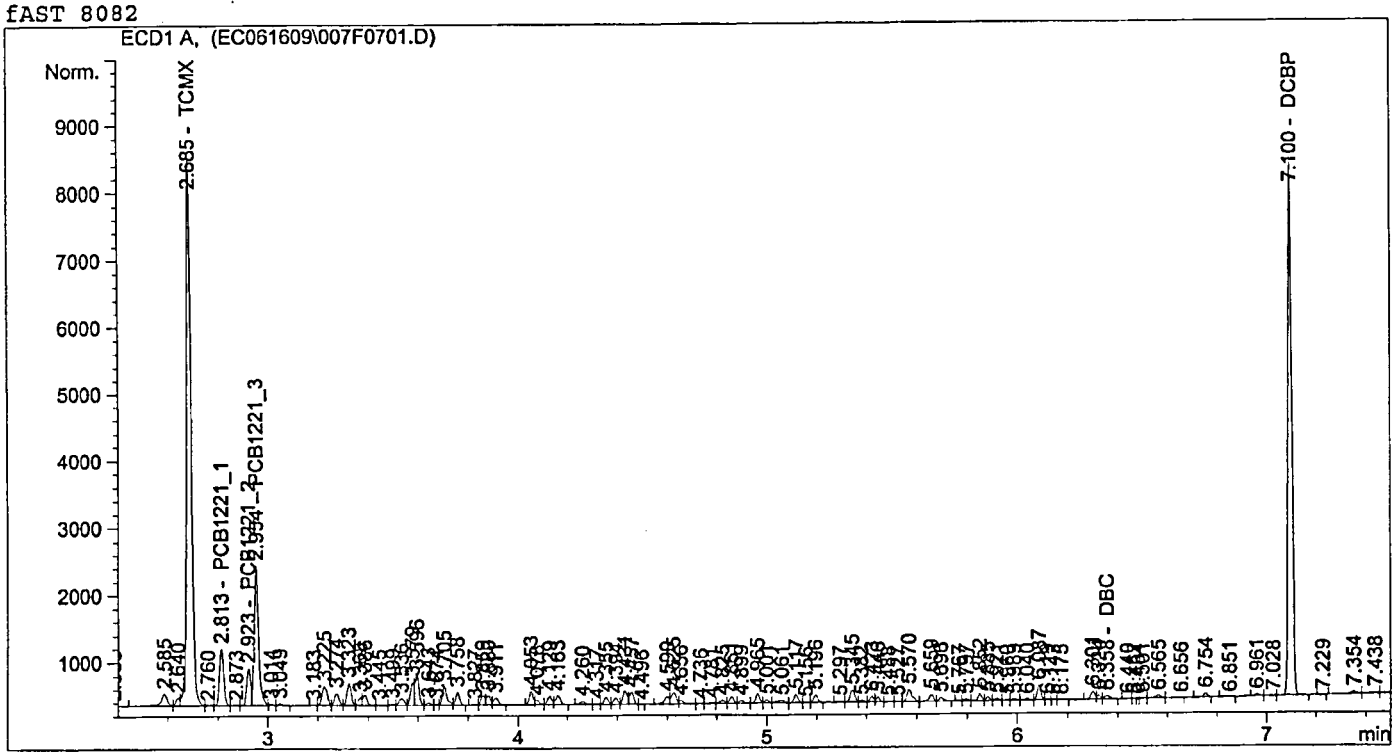
Totals : 1509.21340

BWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:32:12 PM          Seq. Line :   7
Sample Name     : A1221 x200 ICAL                Location : Vial 7
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

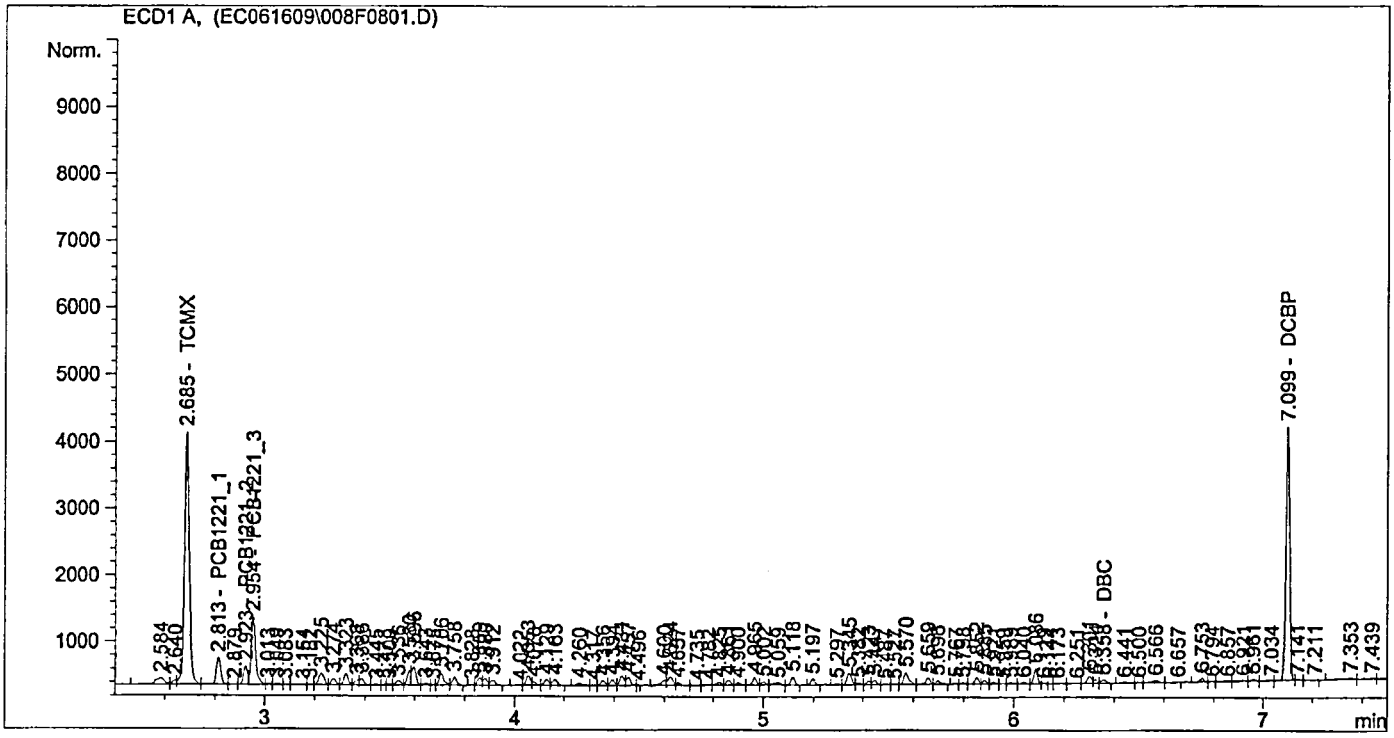
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.06479e4	1.96144e-3	20.88517		TCMX
2.813	VV	1008.54004	2.02334e-1	204.06171		PCB1221_1
2.923	VV	614.29877	3.33543e-1	204.89530		PCB1221_2
2.954	VV	2581.18628	7.98913e-2	206.21421		PCB1221_3
6.358	VBA	75.88888	0.00000	0.00000		DBC
7.100	VB	8395.22266	2.42761e-3	20.38030		DCBP
Totals :				656.43668		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

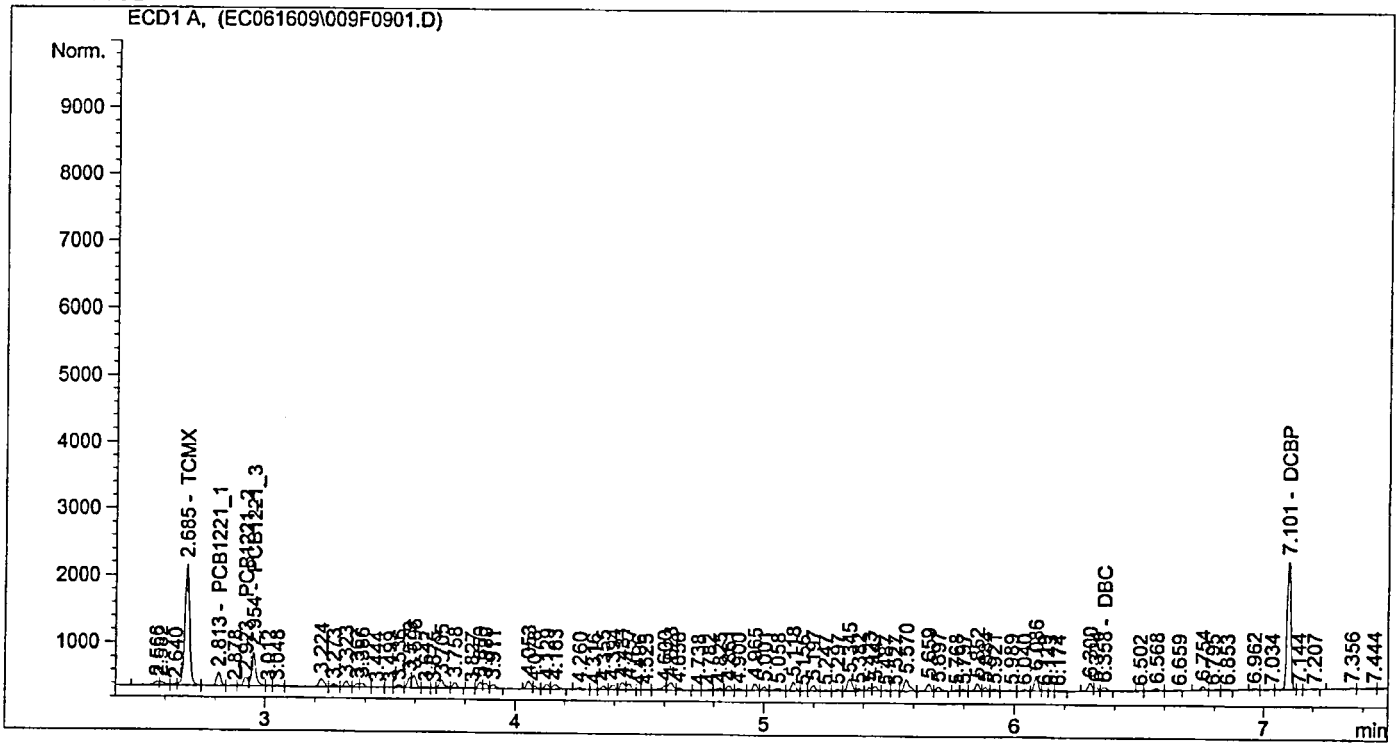
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	4984.73535	2.39078e-3	11.91740		TCMX
2.813	VB	500.90417	2.19886e-1	110.14174		PCB1221_1
2.923	VV	303.38547	3.28288e-1	99.59777		PCB1221_2
2.954	VV	1263.36267	8.19254e-2	103.50145		PCB1221_3
6.358	VBA	71.24101	0.00000	0.00000		DBC
7.099	VV	3984.79590	2.96122e-3	11.79987		DCBP
Totals :				336.95822		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   9
Sample Name     : A1221 x40 ICAL                 Location : Vial 9
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2404.18335	3.25724e-3	7.83100		TCMX
2.813	VV	245.32616	2.56214e-1	62.85611		PCB1221_1
2.923	VV	155.82063	3.18454e-1	49.62173		PCB1221_2
2.954	VV	638.85638	8.58200e-2	54.82667		PCB1221_3
6.358	VBA	75.09637	0.00000	0.00000		DBC
7.101	VV	2040.43359	3.92913e-3	8.01714		DCBP

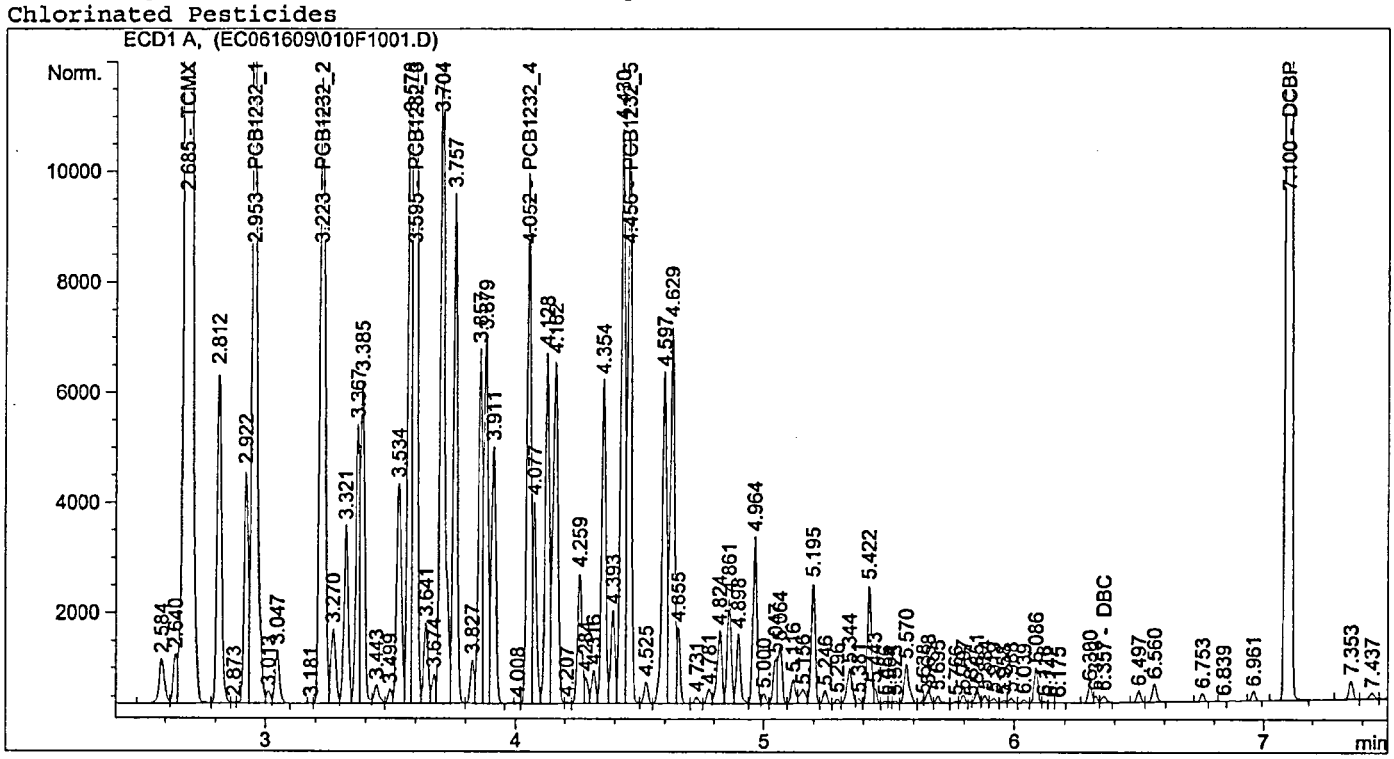
BWS
6.17.09

Totals : 183.15265

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 4:10:49 PM          Seq. Line :  10
Sample Name     : A1232 x2000 ICAL               Location : Vial 10
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.28585e5	1.57867e-3	202.99266		TCMX
2.953	VV	2.19295e4	9.15378e-2	2007.37971		PCB1232_1
3.223	VV	1.67455e4	1.20052e-1	2010.33401		PCB1232_2
3.595	VV	2.48887e4	8.13899e-2	2025.68521		PCB1232_3
4.052	VV	1.13965e4	1.77729e-1	2025.48786		PCB1232_4
4.456	VV	1.19353e4	1.69886e-1	2027.63778		PCB1232_5
6.357	VV	154.62846	1.31176	202.83508		DBC
7.100	PB	1.04339e5	1.95163e-3	203.63069		DCBP

BWS
6.17.09

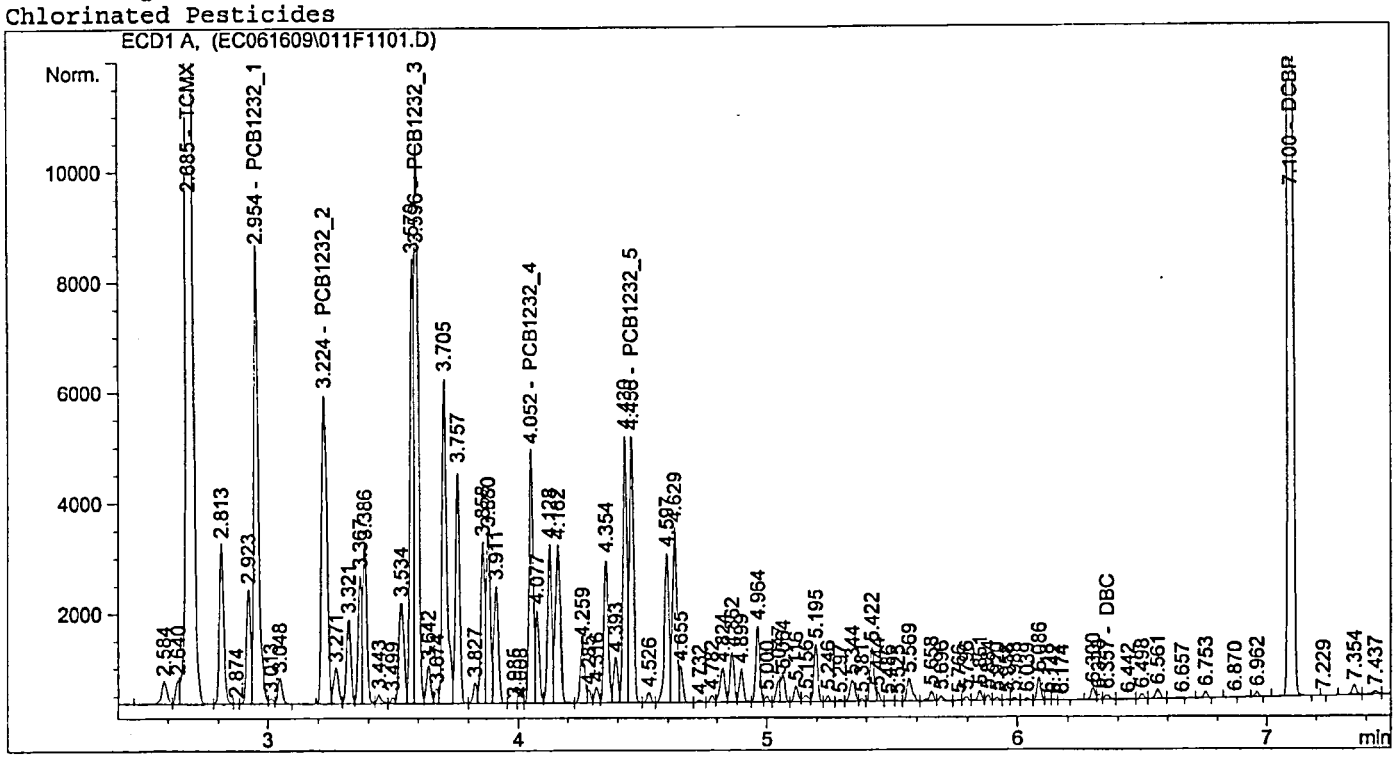
```
Totals :                                  1.07060e4

 Results obtained with enhanced integrator!
==================================================================
                    *** End of Report ***
```

==========

Injection Date : 6/16/2009 4:23:47 PM Seq. Line : 11
Sample Name : A1232 x1000 ICAL Location : Vial 11
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:49:16 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85306e4	1.62639e-3	95.19388		TCMX
2.954	VV	1.06422e4	9.22723e-2	981.98283		PCB1232_1
3.224	VV	8107.24463	1.21205e-1	982.63823		PCB1232_2
3.596	VV	1.14238e4	8.29473e-2	947.57043		PCB1232_3
4.052	VV	5312.27930	1.80420e-1	958.44117		PCB1232_4
4.456	VV	5470.34326	1.73471e-1	948.94532		PCB1232_5
6.357	VV	105.82750	8.70158e-1	92.08665		DBC
7.100	BB	4.64543e4	2.01128e-3	93.43272		DCBP

Totals : 5100.29123

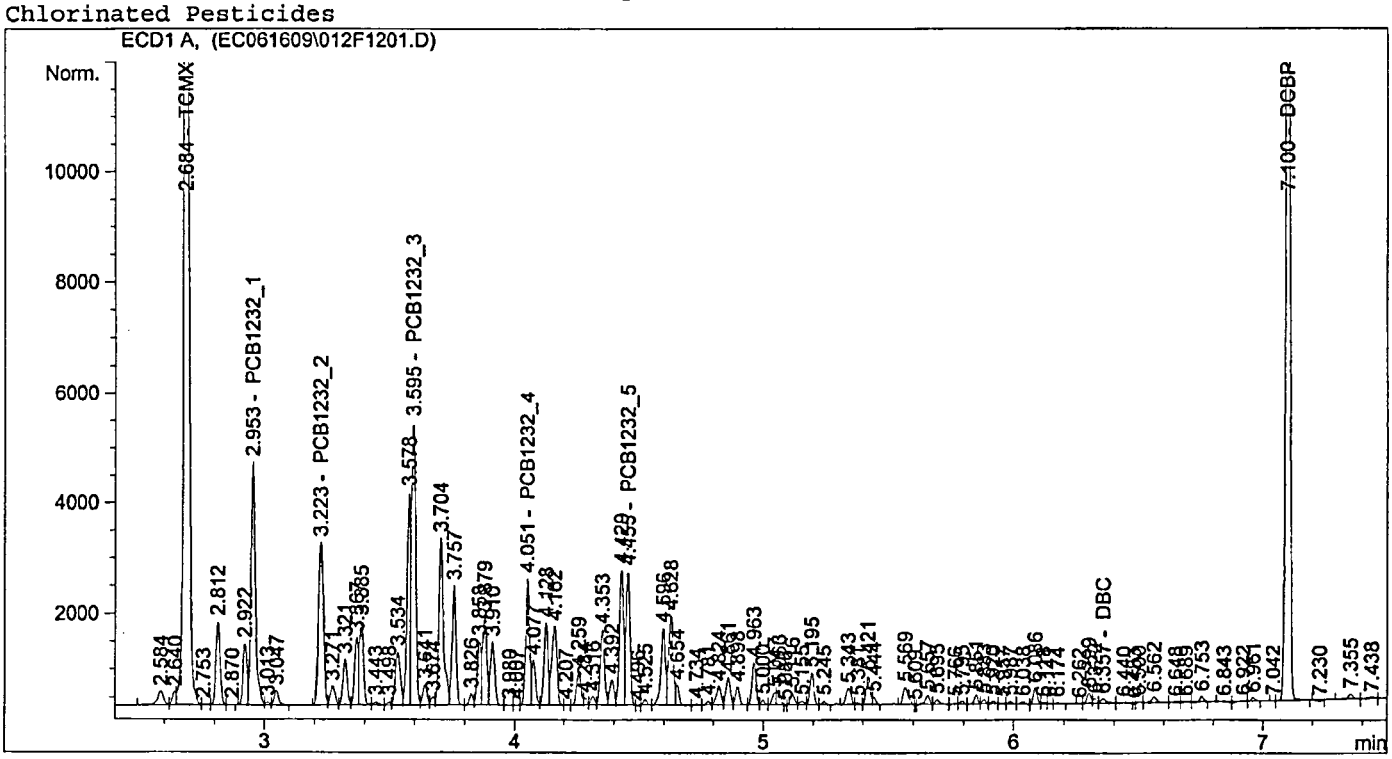
BWS
6-17-09

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 4:36:37 PM          Seq. Line :  12
Sample Name     : A1232 x500 ICAL                Location : Vial 12
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

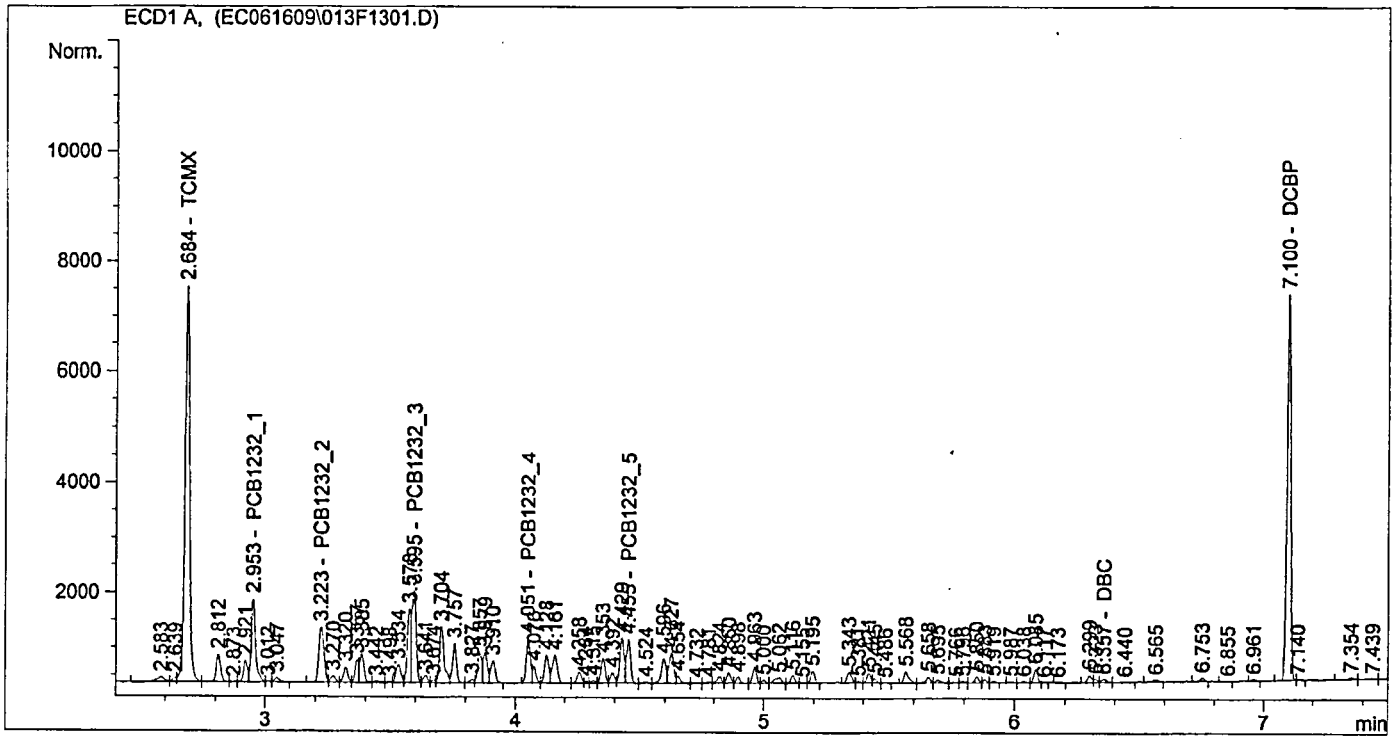
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2.74659e4	1.72547e-3	47.39165		TCMX
2.953	VV	5459.36719	9.36271e-2	511.14479		PCB1232_1
3.223	VV	4011.20239	1.23487e-1	495.33154		PCB1232_2
3.595	VV	5890.49268	8.56516e-2	504.53041		PCB1232_3
4.051	VV	2581.75781	1.85751e-1	479.56532		PCB1232_4
4.455	VP	2731.88257	1.80105e-1	492.02517		PCB1232_5
6.357	VB	88.85879	6.02957e-1	53.57802		DBC
7.100	PB	2.28398e4	2.12244e-3	48.47617		DCBP

BWS
6-17-09

```
Totals :                                  2632.04306

 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 4:49:25 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

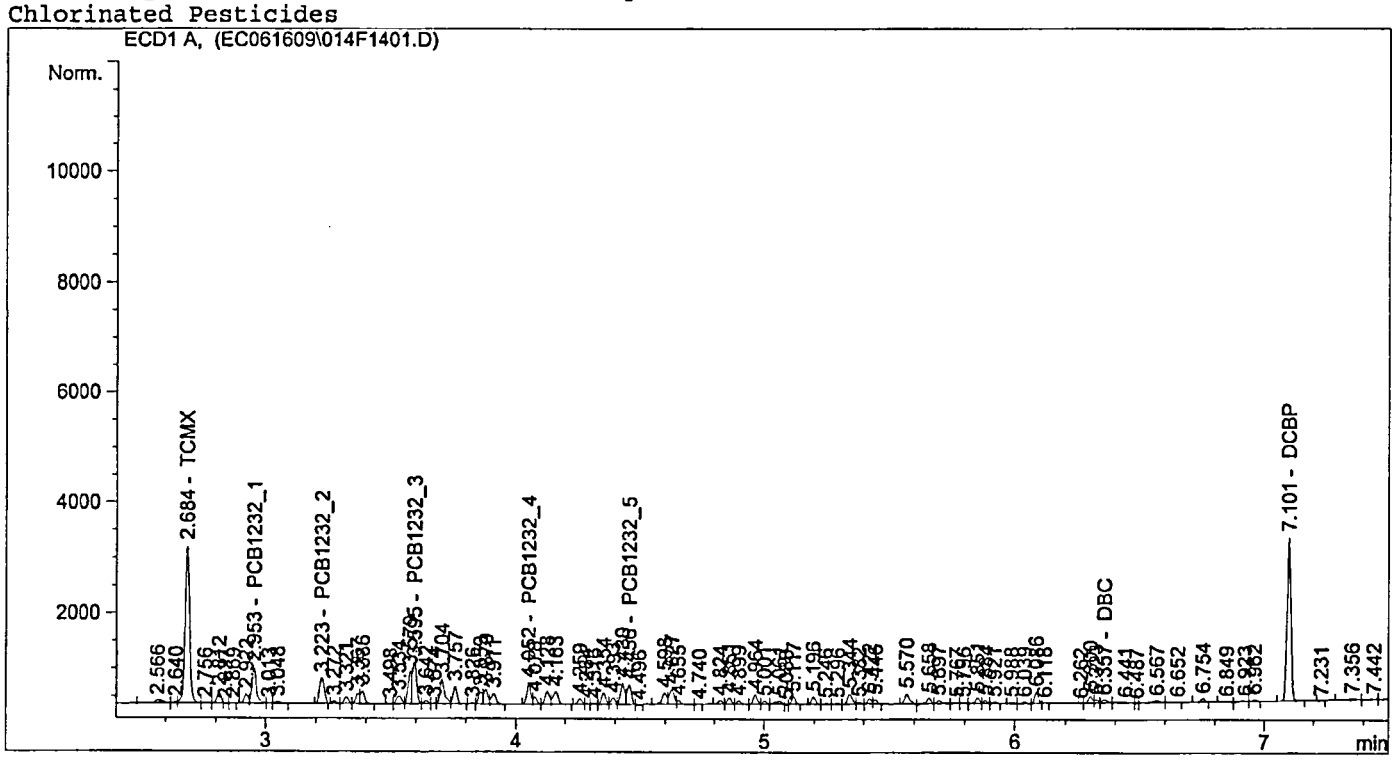
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	9296.84180	2.09031e-3	19.43330		TCMX
2.953	VV	1918.33850	9.87621e-2	189.45923		PCB1232_1
3.223	VV	1475.92578	1.31246e-1	193.70935		PCB1232_2
3.595	VV	1920.76770	9.71906e-2	186.68064		PCB1232_3
4.051	PV	955.56946	2.03404e-1	194.36619		PCB1232_4
4.455	VV	916.82739	2.06340e-1	189.17791		PCB1232_5
6.357	VV	74.82659	2.90451e-1	21.73349		DBC
7.100	VV	7333.77930	2.58480e-3	18.95637		DCBP
Totals :				1013.51648		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 5:02:18 PM          Seq. Line :  14
Sample Name     : A1232 x100 ICAL                Location : Vial 14
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

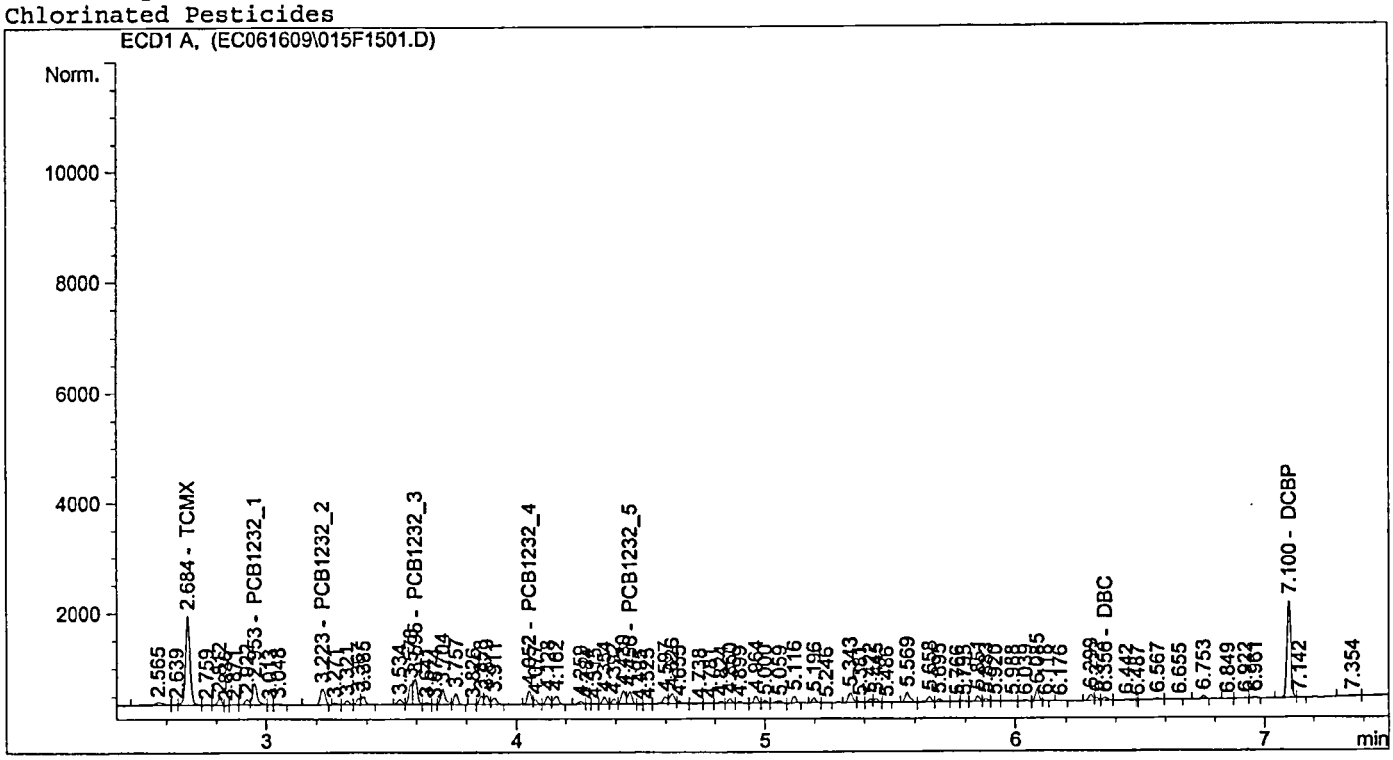
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	3586.46118	2.96844e-3	10.64621		TCMX
2.953	VV	822.08234	1.09319e-1	89.86959		PCB1232_1
3.223	BP	627.54523	1.47842e-1	92.77740		PCB1232_2
3.595	VV	845.77960	1.18953e-1	100.60800		PCB1232_3
4.052	PV	440.46237	2.36177e-1	104.02727		PCB1232_4
4.456	VP	406.56943	2.55897e-1	104.03988		PCB1232_5
6.357	VV	70.51414	1.69425e-1	11.94687		DBC
7.101	PB	3122.70605	3.50320e-3	10.93948		DCBP
Totals :				524.85470		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 5:15:07 PM          Seq. Line :  15
Sample Name     : A1232 x40 ICAL                 Location : Vial 15
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

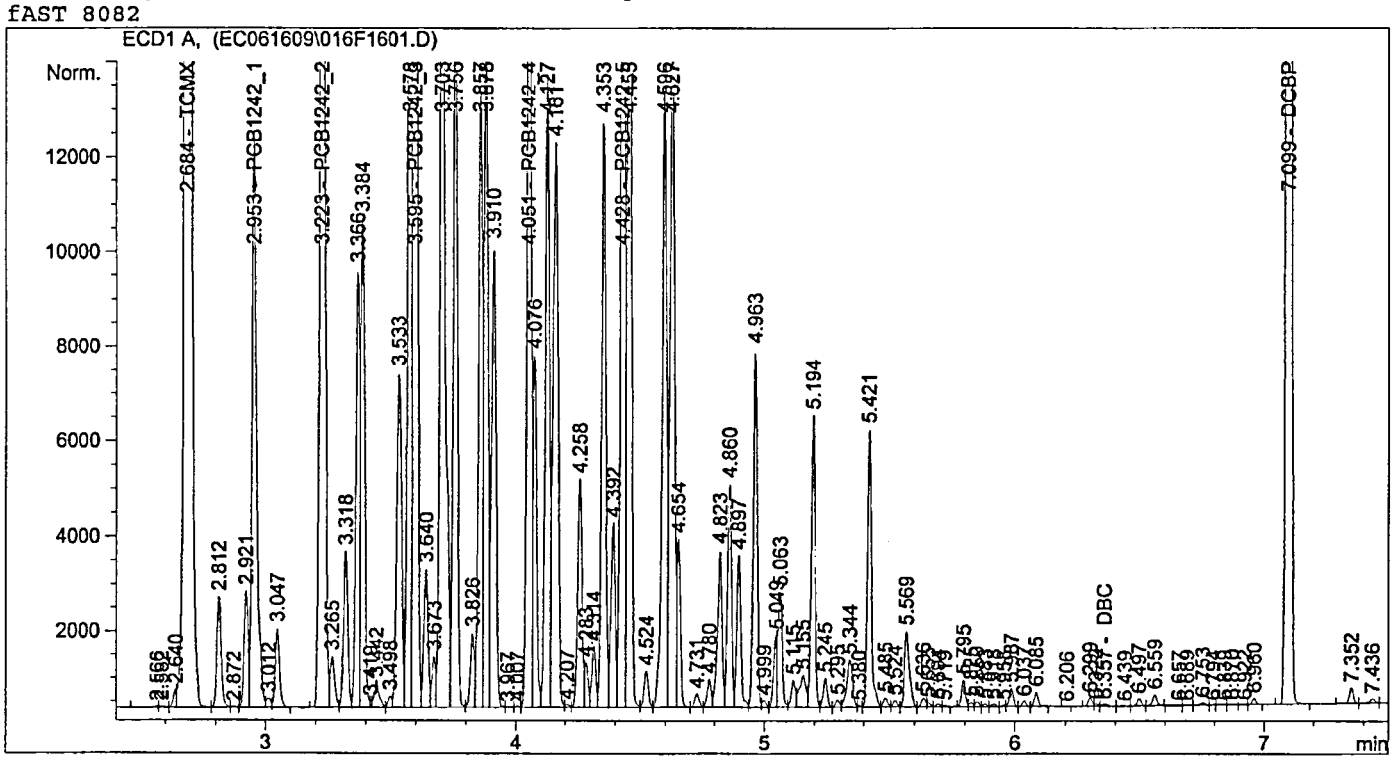
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2089.24365	3.99298e-3	8.34230		TCMX
2.953	VV	495.08936	1.21521e-1	60.16384		PCB1232_1
3.223	BP	395.82391	1.64744e-1	65.20948		PCB1232_2
3.595	VV	525.02045	1.42709e-1	74.92531		PCB1232_3
4.052	PV	292.69611	2.66871e-1	78.11219		PCB1232_4
4.456	VP	251.54694	3.10773e-1	78.17393		PCB1232_5
6.356	VV	66.05173	2.75526e-2	1.81990		DBC
7.100	VV	1875.22559	4.56722e-3	8.56457		DCBP
Totals :				375.31152		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  16
Sample Name     : A1242 x2000 ICAL               Location : Vial 16
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	1.24533e5	1.61574e-3	201.21328		TCMX
2.953	VV	1.58930e4	1.25320e-1	1991.70688		PCB1242_1
3.223	PV	2.95357e4	6.73104e-2	1988.06254		PCB1242_2
3.595	VV	4.49982e4	4.43743e-2	1996.76595		PCB1242_3
4.051	VV	2.33747e4	8.57256e-2	2003.81239		PCB1242_4
4.428	VV	2.53352e4	7.92151e-2	2006.93062		PCB1242_5
6.357	VV	46.07360	0.00000	0.00000		DBC
7.099	BV	1.01493e5	1.98905e-3	201.87401		DCBP

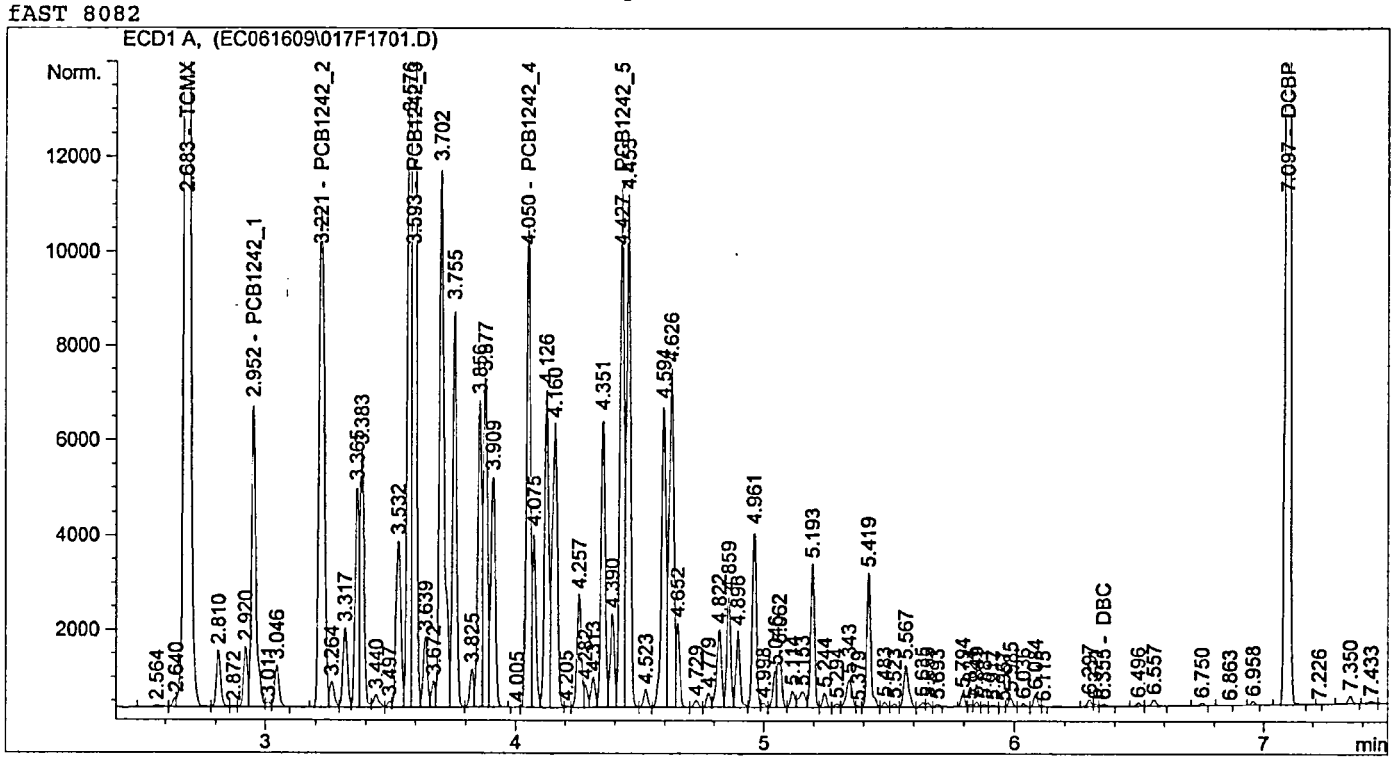
Totals : 1.03904e4

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  17
Sample Name     : A1242 x1000 ICAL               Location : Vial 17
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.683	VV	6.12233e4	1.64980e-3	101.00598		TCMX
2.952	VV	8266.91797	1.25530e-1	1037.74860		PCB1242_1
3.221	PV	1.55127e4	6.74188e-2	1045.84986		PCB1242_2
3.593	VV	2.27097e4	4.47441e-2	1016.12539		PCB1242_3
4.050	VV	1.17902e4	8.67780e-2	1023.13035		PCB1242_4
4.427	VV	1.25010e4	8.02404e-2	1003.08927		PCB1242_5
6.355	VB	69.59908	0.00000	0.00000		DBC
7.097	VB	4.86358e4	2.03100e-3	98.77927		DCBP

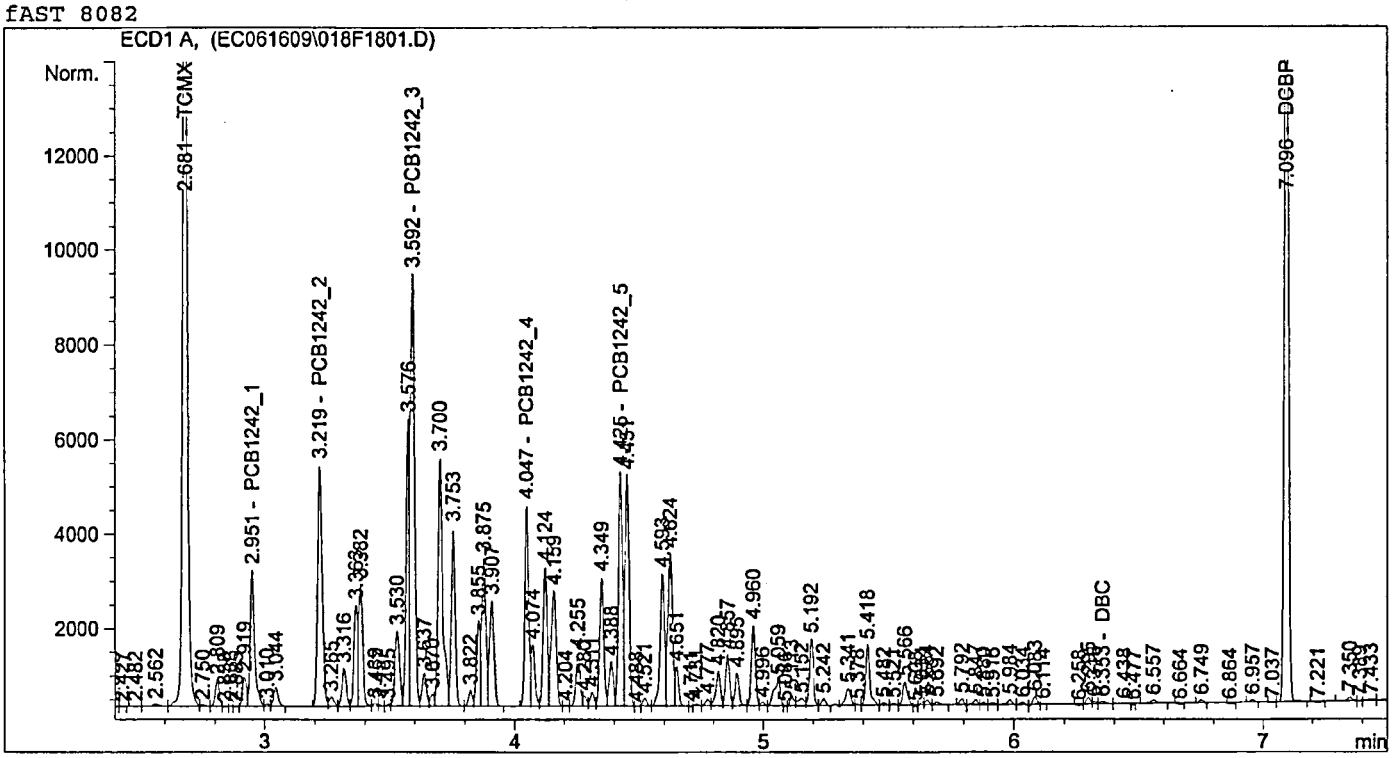
Totals : 5325.72872

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

```
==================================================================
Injection Date  : 6/16/2009 5:53:51 PM          Seq. Line :  18
Sample Name     : A1242 x500 ICAL                Location : Vial 18
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

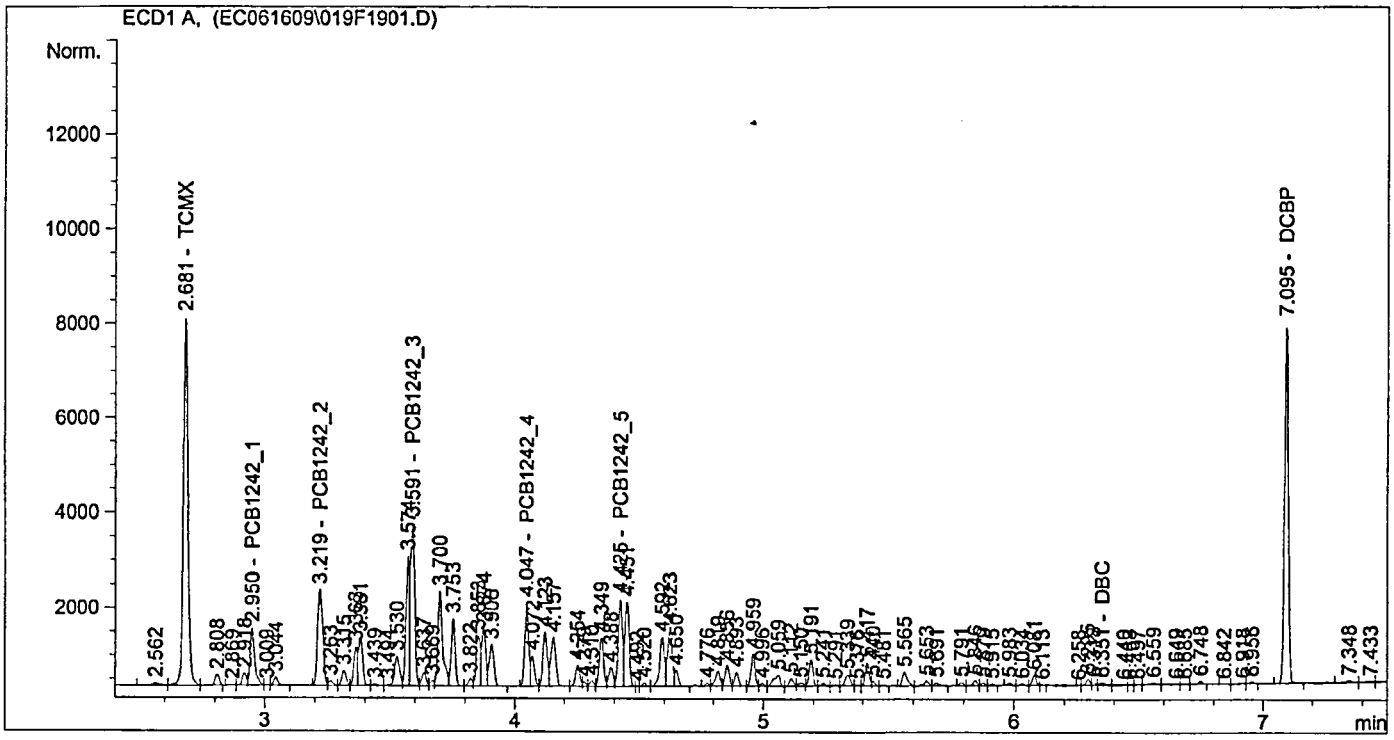
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	2.43234e4	1.75143e-3	42.60065		TCMX
2.951	VV	3628.71558	1.26091e-1	457.54749		PCB1242_1
3.219	PV	6743.10840	6.77157e-2	456.61398		PCB1242_2
3.592	VV	1.06319e4	4.55920e-2	484.72847		PCB1242_3
4.047	PV	4836.10059	8.98314e-2	434.43365		PCB1242_4
4.425	VV	5635.85596	8.27059e-2	466.11862		PCB1242_5
6.353	VV	69.22704	0.00000	0.00000		DBC
7.096	PB	2.08276e4	2.13856e-3	44.54098		DCBP
Totals :				2386.58383		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:06:49 PM          Seq. Line :  19
Sample Name     : A1242 x200 ICAL                Location : Vial 19
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

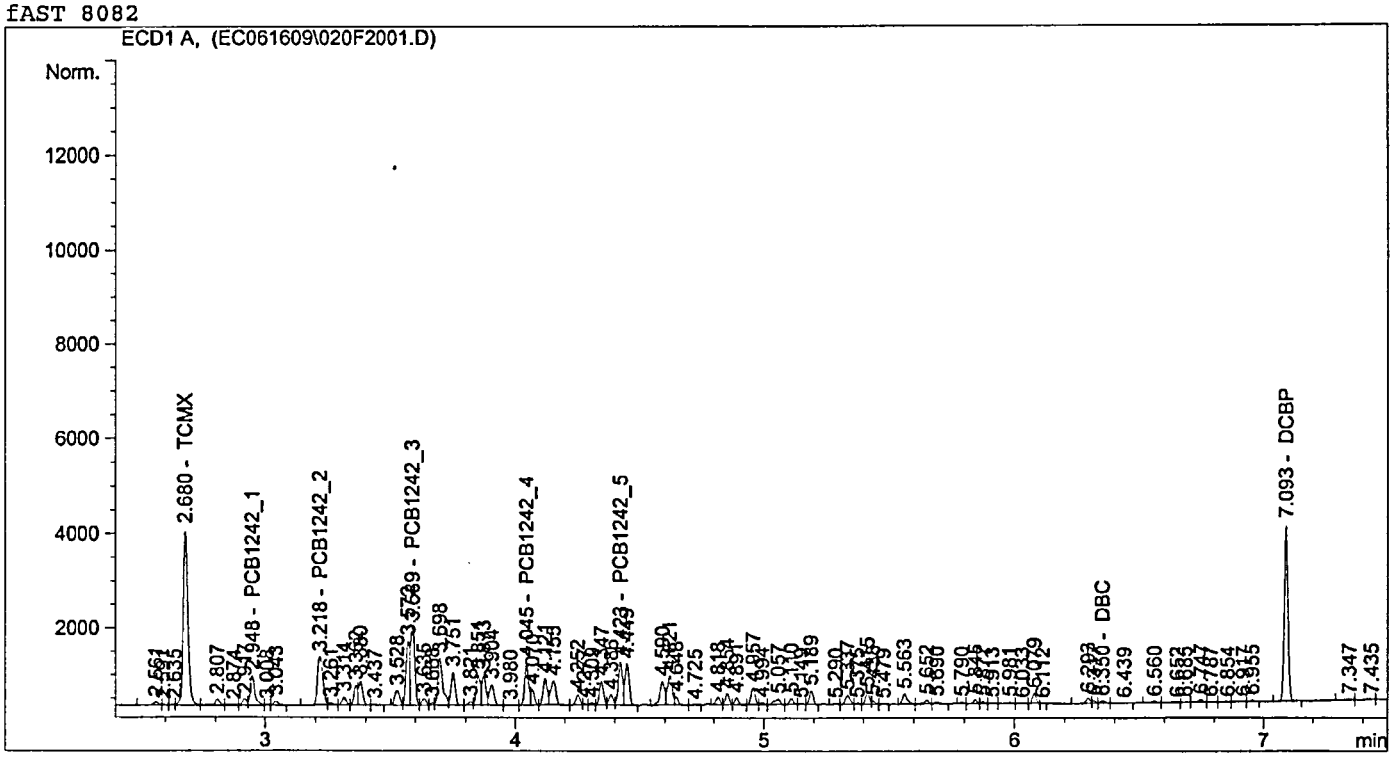
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	9864.52441	1.99859e-3	19.71514		TCMX
2.950	VV	1538.38574	1.27448e-1	196.06436		PCB1242_1
3.219	BV	2850.61401	6.84328e-2	195.07536		PCB1242_2
3.591	VV	3870.94604	4.83767e-2	187.26378		PCB1242_3
4.047	PV	2049.92676	9.68676e-2	198.57148		PCB1242_4
4.425	VV	2122.51245	9.01373e-2	191.31744		PCB1242_5
6.351	VV	44.81857	0.00000	0.00000		DBC
7.095	PB	7972.79297	2.44186e-3	19.46847		DCBP
Totals :				1007.47603		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:19:35 PM          Seq. Line :  20
Sample Name     : A1242 x100 ICAL                Location : Vial 20
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	4837.55371	2.43066e-3	11.75844		TCMX
2.948	VV	793.58032	1.29660e-1	102.89531		PCB1242_1
3.218	BV	1467.12085	6.96042e-2	102.11777		PCB1242_2
3.589	VV	1857.66870	5.31227e-2	98.68435		PCB1242_3
4.045	VV	1025.63940	1.09065e-1	111.86094		PCB1242_4
4.423	VV	1045.56165	1.02416e-1	107.08219		PCB1242_5
6.350	VV	56.60671	0.00000	0.00000		DBC
7.093	VB	3930.30664	2.94731e-3	11.58384		DCBP

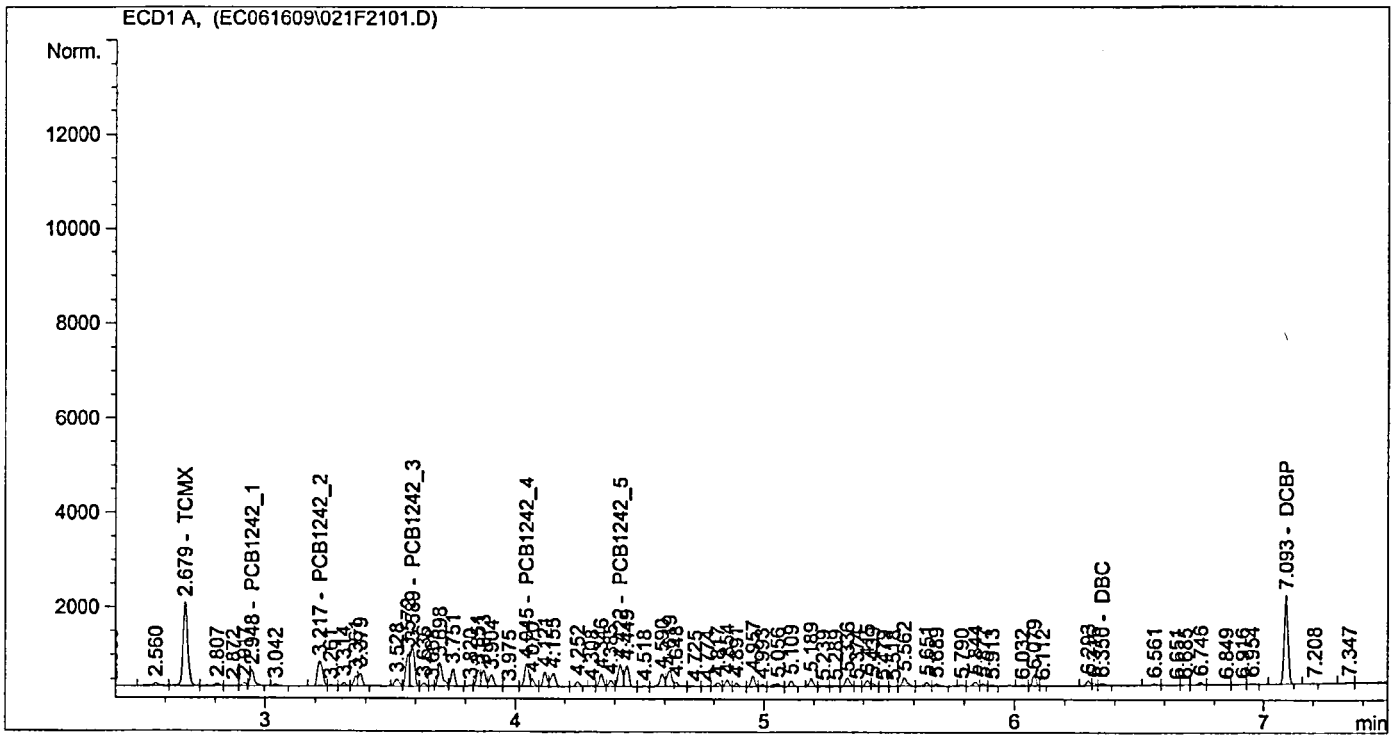
Totals : 545.98284

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:32:31 PM          Seq. Line :  21
Sample Name     : A1242 x40 ICAL                 Location : Vial 21
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2277.57568	3.38364e-3	7.70651		TCMX
2.948	VV	403.00357	1.34087e-1	54.03736		PCB1242_1
3.217	VV	725.38965	7.20723e-2	52.28049		PCB1242_2
3.589	VV	897.33759	6.28883e-2	56.43206		PCB1242_3
4.045	VV	509.78085	1.33766e-1	68.19119		PCB1242_4
4.422	VV	513.44421	1.27496e-1	65.46186		PCB1242_5
6.350	VV	56.95115	0.00000	0.00000		DBC
7.093	BV	1966.44092	3.94288e-3	7.75343		DCBP

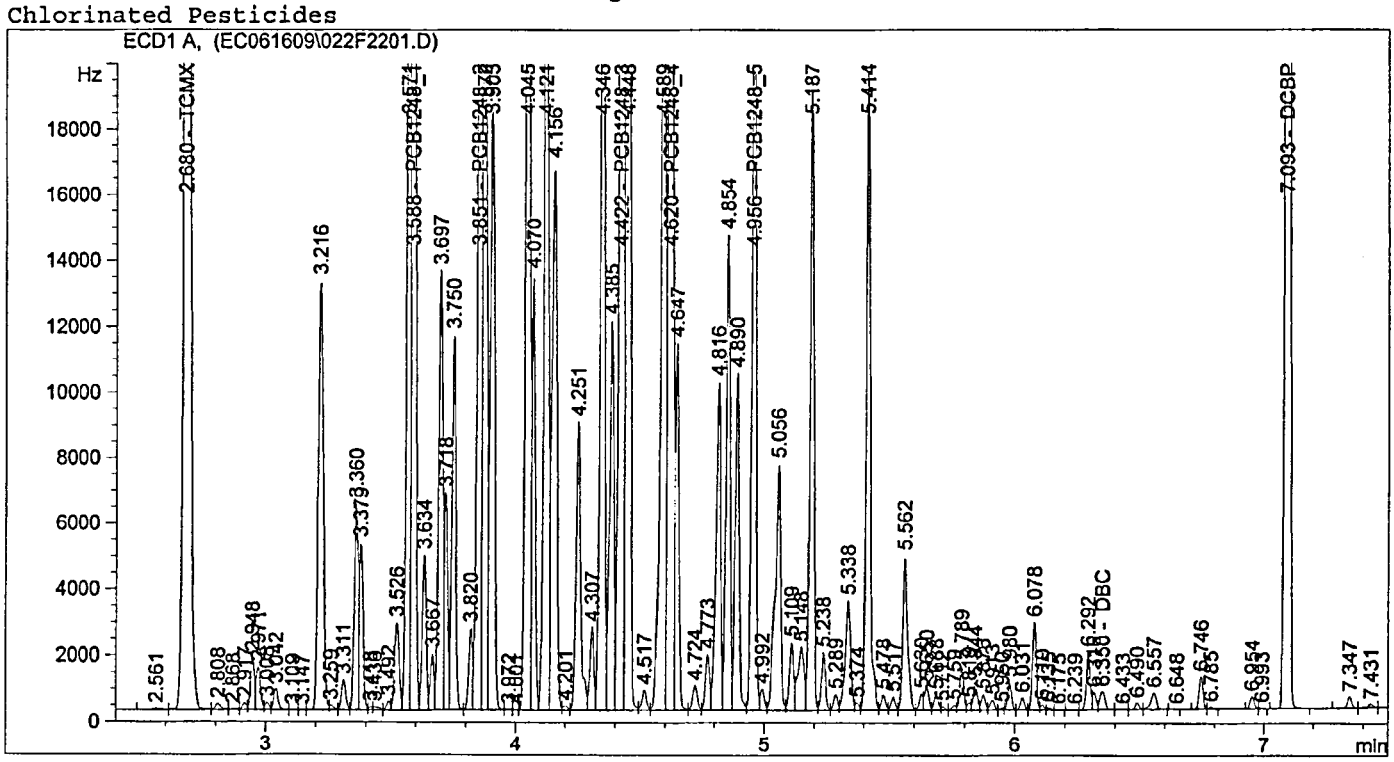
Totals : 311.86290

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:45:23 PM          Seq. Line :  22
Sample Name     : A1248 x2000 ICAL               Location : Vial 22
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

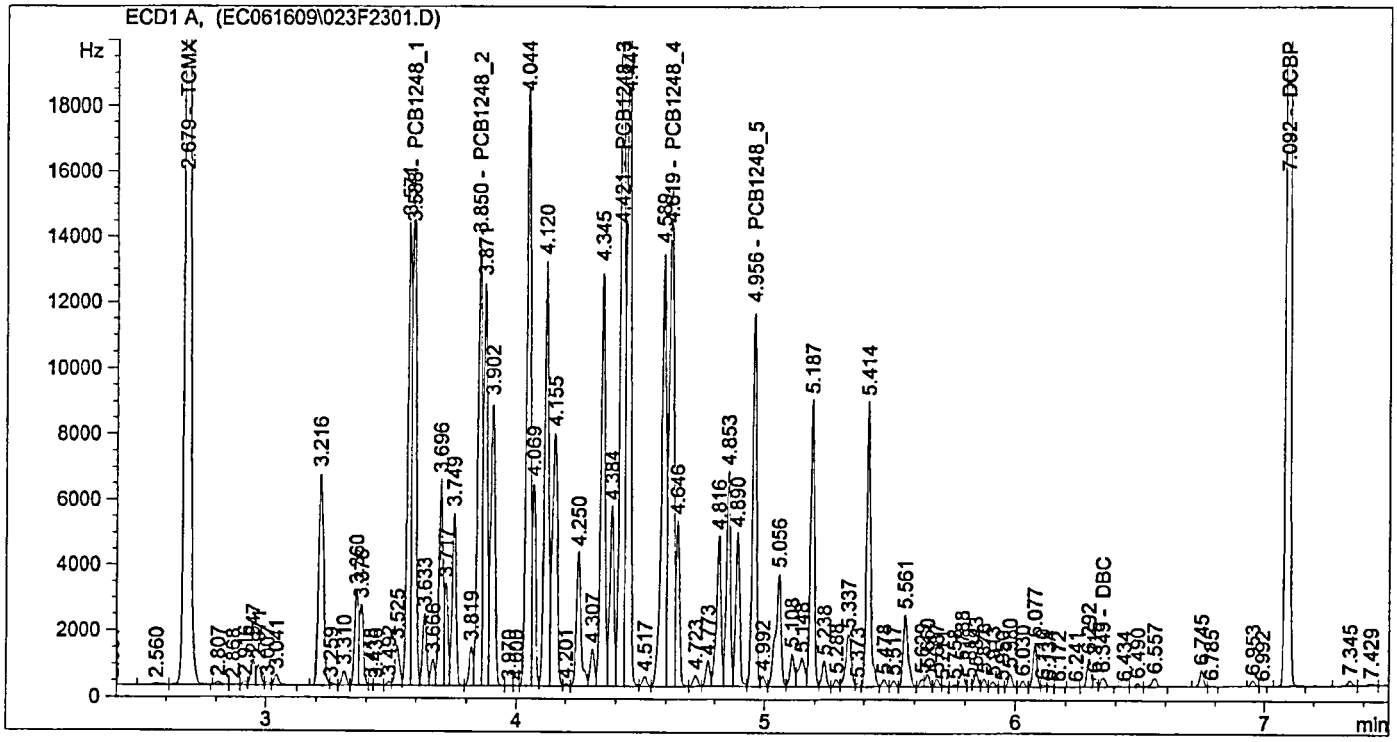
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	1.29592e5	1.56648e-3	203.00286		TCMX
3.588	VV	3.66658e4	5.51413e-2	2021.79814		PCB1248_1
3.851	VV	3.11485e4	6.45359e-2	2010.19920		PCB1248_2
4.422	VV	5.81616e4	3.48179e-2	2025.06568		PCB1248_3
4.620	VV	4.46546e4	4.53601e-2	2025.53551		PCB1248_4
4.956	VV	2.71306e4	7.47898e-2	2029.09034		PCB1248_5
6.350	VV	766.40961	2.61907e-1	200.72788		DBC
7.093	BV	1.04567e5	1.94984e-3	203.88982		DCBP

Totals : 1.07193e4

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 6:58:15 PM          Seq. Line :  23
Sample Name     : A1248 x1000 ICAL               Location : Vial 23
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

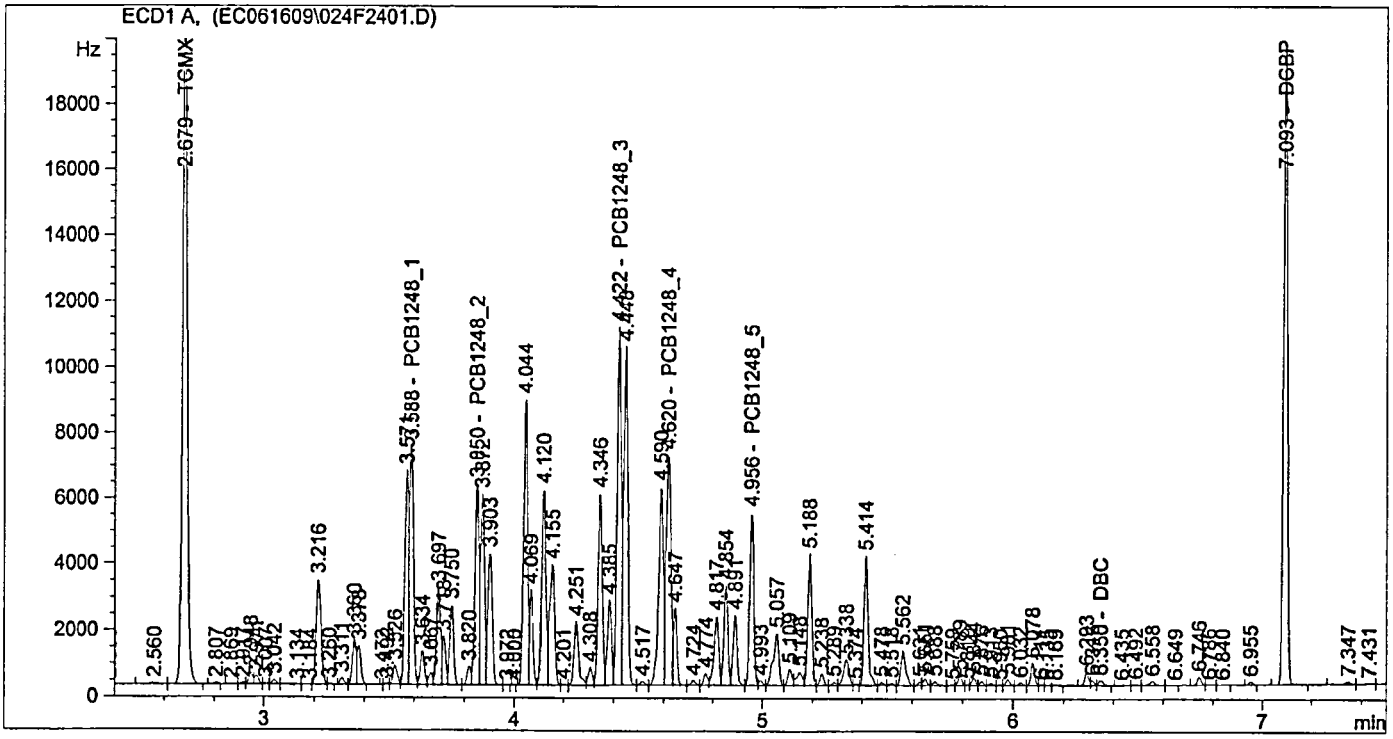
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	5.91737e4	1.61856e-3	95.77608		TCMX
3.588	VV	1.72012e4	5.64207e-2	970.50645		PCB1248_1
3.850	VV	1.50825e4	6.60115e-2	995.61554		PCB1248_2
4.421	VV	2.69915e4	3.57349e-2	964.53920		PCB1248_3
4.619	VV	2.07182e4	4.65335e-2	964.09235		PCB1248_4
4.956	VV	1.24627e4	7.68971e-2	958.34194		PCB1248_5
6.349	VB	400.58411	2.49832e-1	100.07870		DBC
7.092	VB	4.66681e4	2.01809e-3	94.18048		DCBP

Totals : 5143.13073

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:11:15 PM          Seq. Line :  24
Sample Name     : A1248 x500 ICAL                Location : Vial 24
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	2.65143e4	1.73661e-3	46.04496		TCMX
3.588	VV	7947.63037	5.92269e-2	470.71361		PCB1248_1
3.850	VV	6716.69434	6.95747e-2	467.31201		PCB1248_2
4.422	VV	1.24080e4	3.77458e-2	468.34971		PCB1248_3
4.620	VV	9514.63184	4.91111e-2	467.27423		PCB1248_4
4.956	VV	5683.82764	8.15457e-2	463.49196		PCB1248_5
6.350	VB	209.95770	2.26864e-1	47.63186		DBC
7.093	VB	2.09592e4	2.16929e-3	45.46662		DCBP
Totals :				2476.28497		

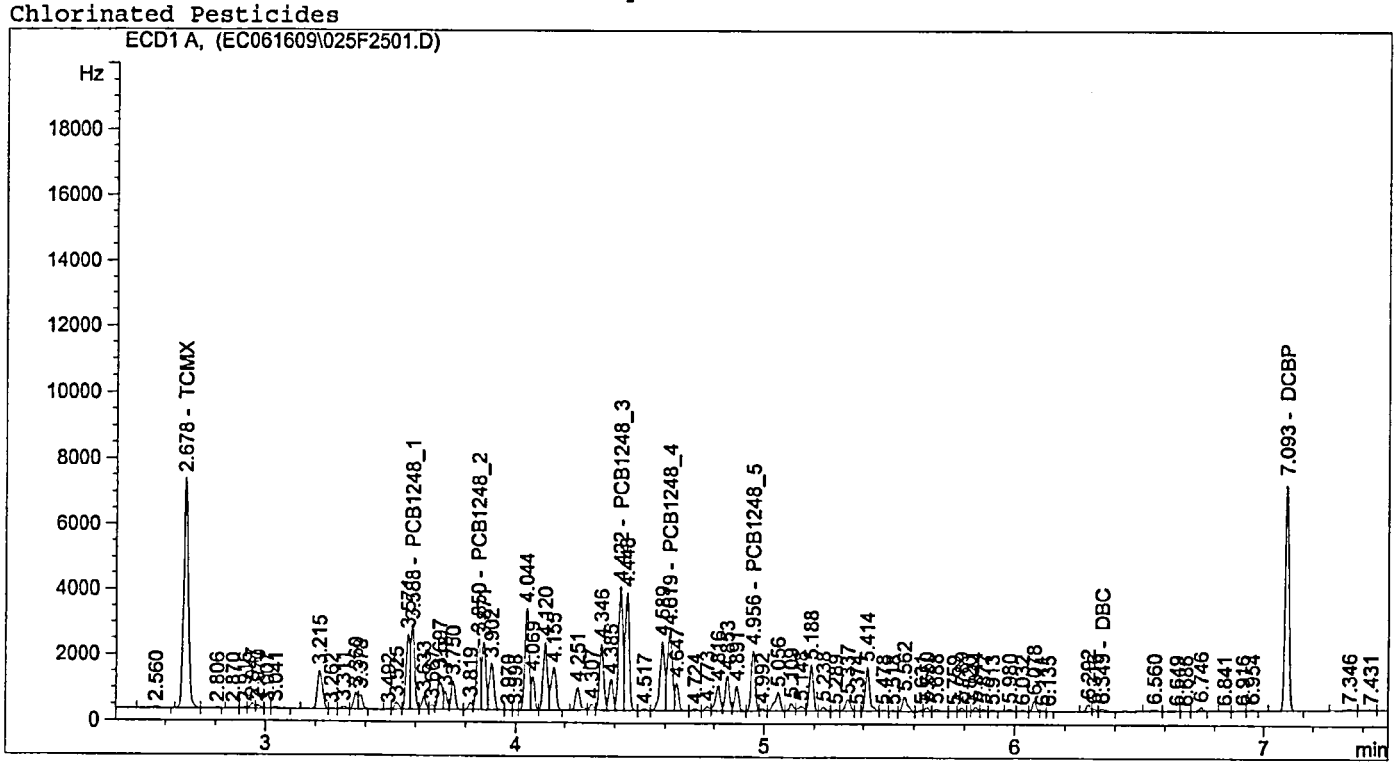
BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

==========

Injection Date : 6/16/2009 7:24:05 PM Seq. Line : 25
Sample Name : A1248 x200 ICAL Location : Vial 25
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:02:53 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	9037.30078	2.15025e-3	19.43242		TCMX
3.588	VV	2780.86670	6.89187e-2	191.65365		PCB1248_1
3.850	VV	2357.02759	8.14568e-2	191.99596		PCB1248_2
4.422	VV	4327.10547	4.46966e-2	193.40674		PCB1248_3
4.619	VV	3333.63086	5.79492e-2	193.18114		PCB1248_4
4.956	VV	1994.11768	9.73592e-2	194.14578		PCB1248_5
6.349	VB	100.45596	1.74253e-1	17.50476		DBC
7.093	BB	7328.20898	2.67982e-3	19.63826		DCBP

Totals : 1020.95871

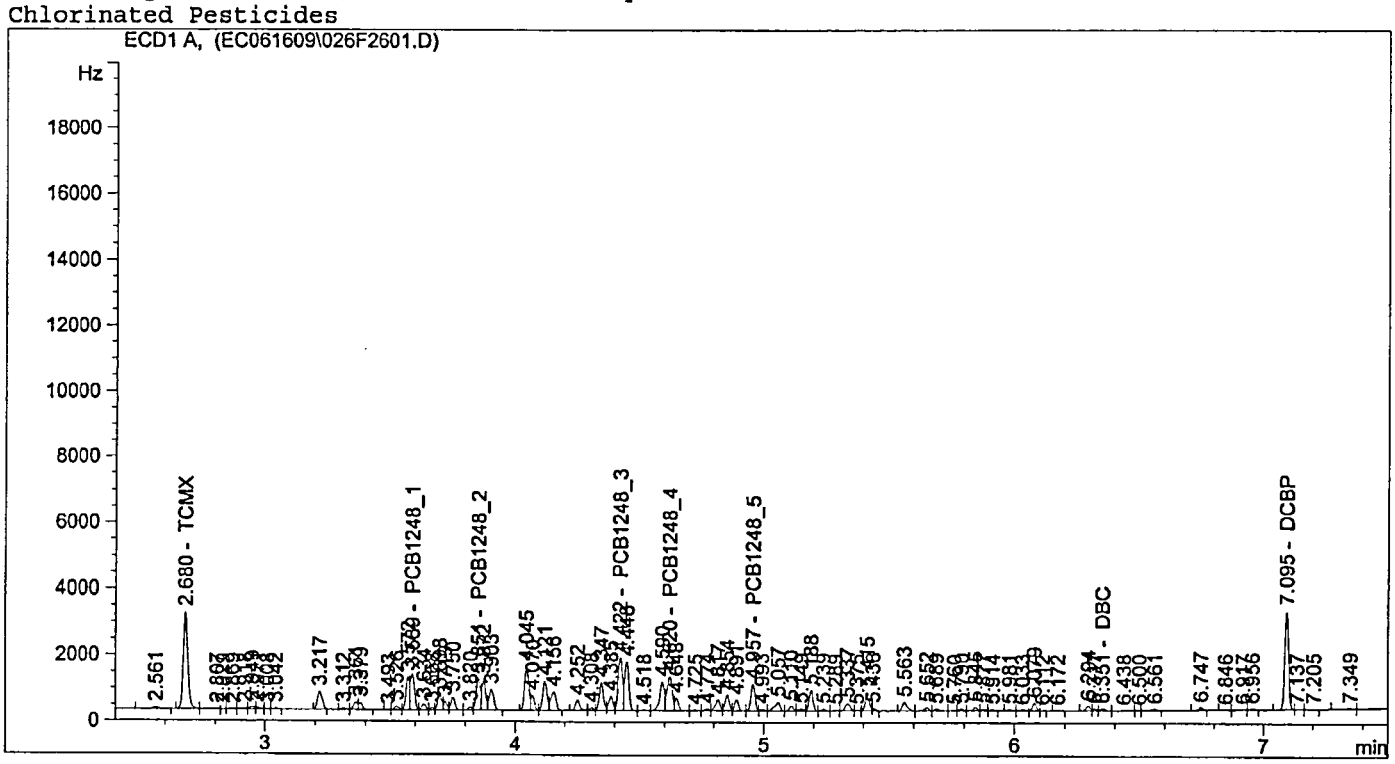
BWS
6-17-09

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 7:37:02 PM          Seq. Line :  26
Sample Name     : A1248 x100 ICAL                Location : Vial 26
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

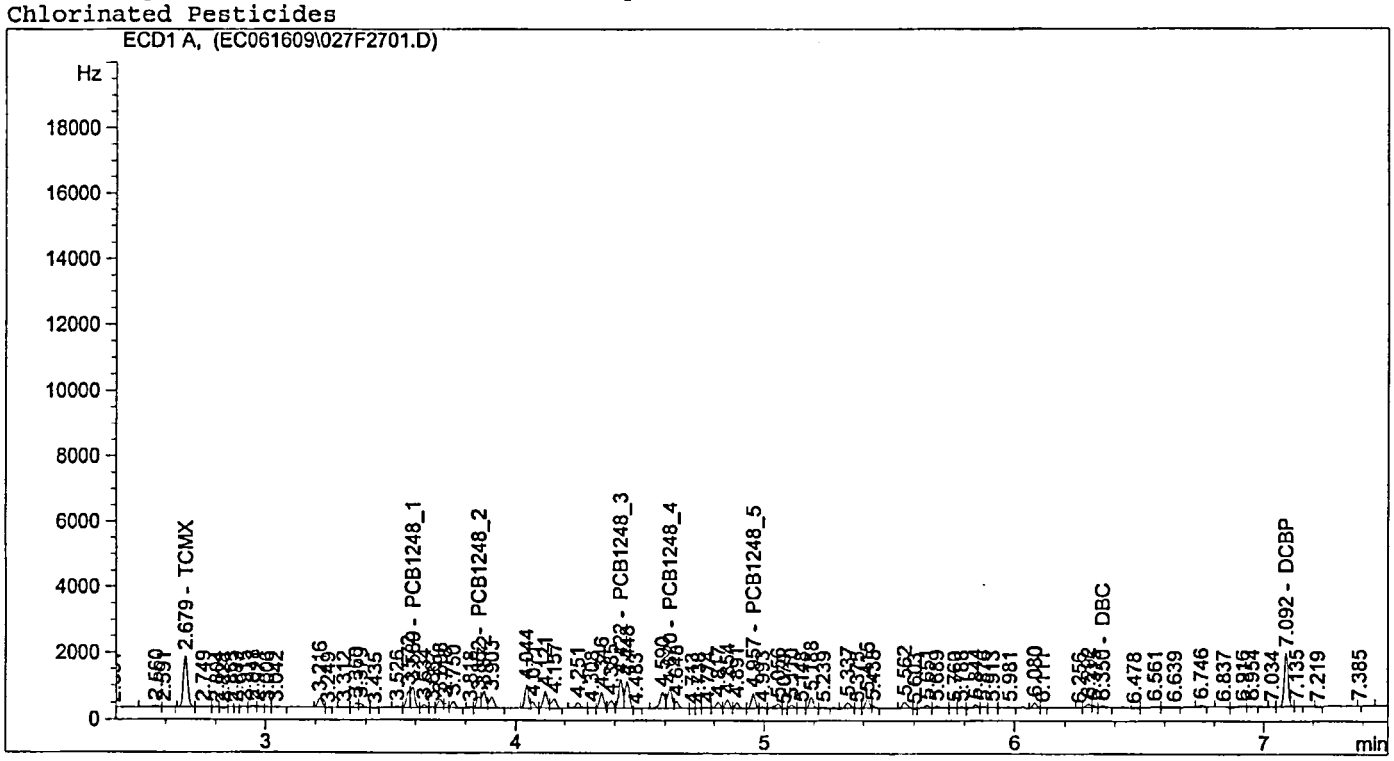
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	BV	3712.91650	3.05013e-3	11.32487		TCMX
3.589	VV	1206.29956	8.83780e-2	106.61035		PCB1248_1
3.851	VV	1041.66187	1.04573e-1	108.92969		PCB1248_2
4.422	VV	1840.27234	5.91190e-2	108.79501		PCB1248_3
4.620	VV	1445.28992	7.57244e-2	109.44370		PCB1248_4
4.957	VV	865.40601	1.29131e-1	111.75064		PCB1248_5
6.351	VV	72.35494	1.35075e-1	9.77336		DBC
7.095	VV	3173.20874	3.70768e-3	11.76526		DCBP
Totals :				578.39286		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:49:47 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                     External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	BV	1804.44470	4.66559e-3	8.41880		TCMX
3.589	VV	689.87244	1.14105e-1	78.71781		PCB1248_1
3.852	VV	361.03488	1.82663e-1	65.94761		PCB1248_2
4.422	VV	989.36005	8.07023e-2	79.84367		PCB1248_3
4.620	VV	791.98114	1.01610e-1	80.47308		PCB1248_4
4.957	VV	474.01437	1.75479e-1	83.17933		PCB1248_5
6.350	VV	66.93967	1.23745e-1	8.28346		DBC
7.092	PV	1745.26758	5.19093e-3	9.05955		DCBP

Totals : 413.92331

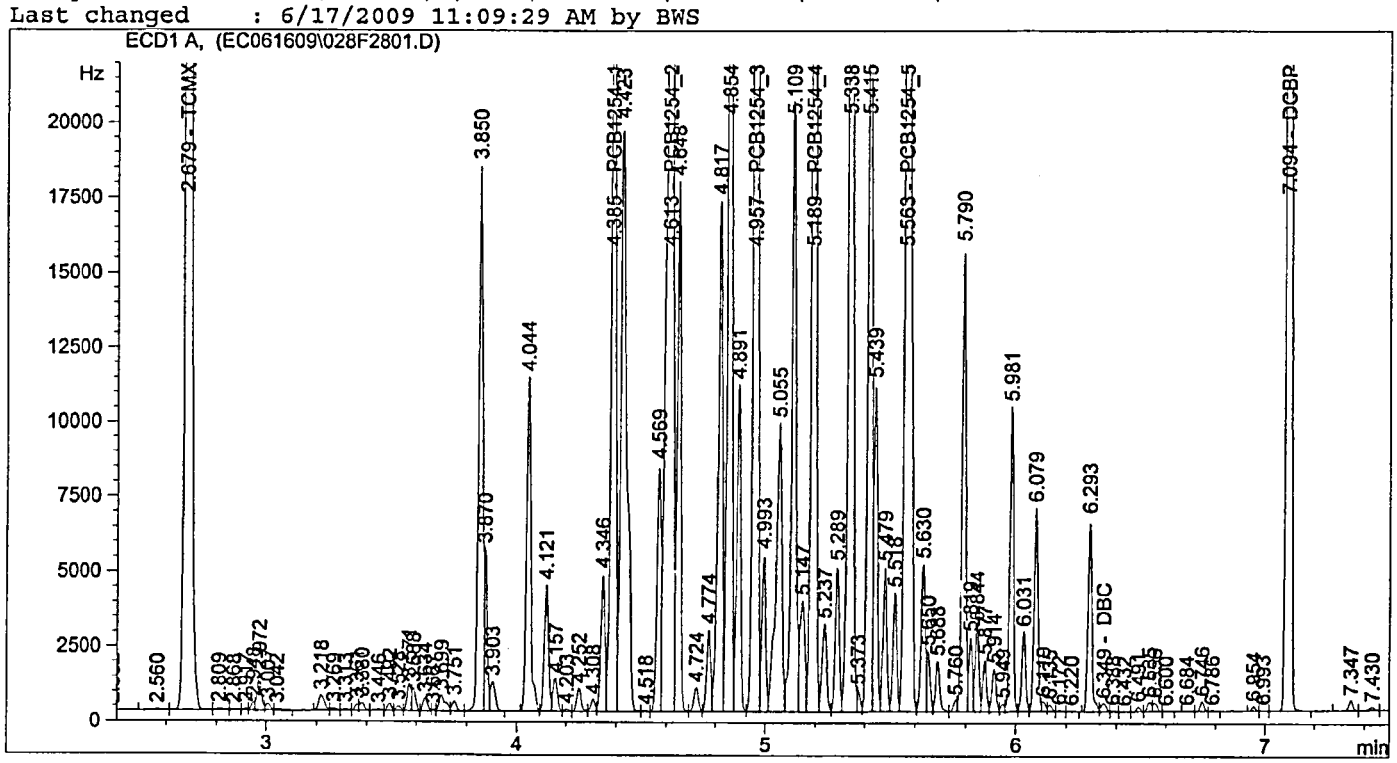
BWS
6-17-09

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 8:02:36 PM          Seq. Line :  28
Sample Name     : A1254 x2000 ICAL               Location : Vial 28
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.22053e5	1.64476e-3	200.74826		TCMX
4.385	VV	3.54882e4	5.61857e-2	1993.92745		PCB1254_1
4.613	VV	6.50329e4	3.06972e-2	1996.32766		PCB1254_2
4.957	VV	6.96113e4	2.87116e-2	1998.65055		PCB1254_3
5.189	VV	5.35099e4	3.74030e-2	2001.43030		PCB1254_4
5.563	VV	7.03196e4	2.84810e-2	2002.77366		PCB1254_5
6.349	VV	399.02768	9.50029e-1	379.08784		DBC
7.094	VB	9.78117e4	2.05768e-3	201.26552		DCBP

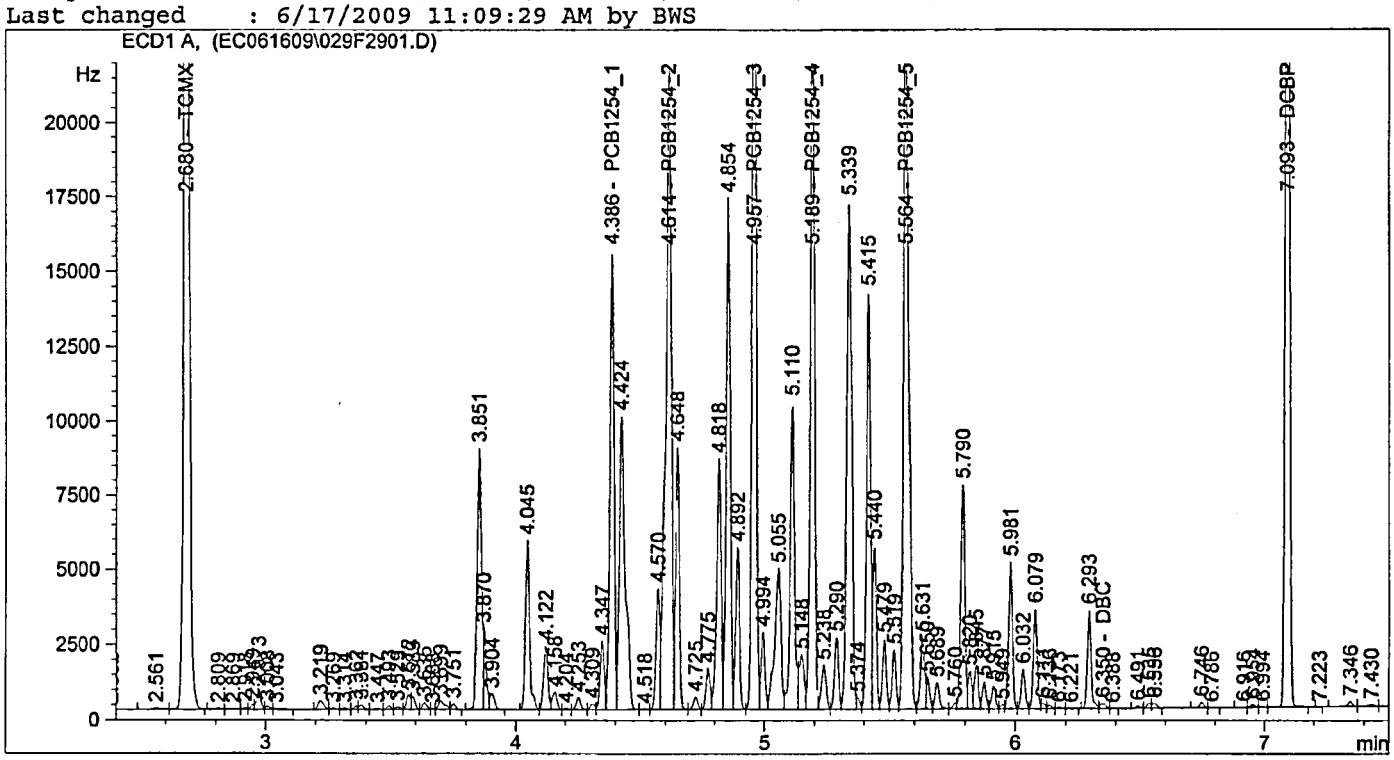
BWS
6.17.09

Totals : 1.07742e4

Results obtained with enhanced integrator!

==
*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 8:15:36 PM          Seq. Line :  29
Sample Name     : A1254 x1000 ICAL               Location : Vial 29
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VB	5.90748e4	1.67583e-3	98.99900		TCMX
4.386	VV	1.79271e4	5.65267e-2	1013.35817		PCB1254_1
4.614	VV	3.26436e4	3.09336e-2	1009.78517		PCB1254_2
4.957	VV	3.46685e4	2.90225e-2	1006.16530		PCB1254_3
5.189	VV	2.64542e4	3.78543e-2	1001.40418		PCB1254_4
5.564	VV	3.46506e4	2.88480e-2	999.60283		PCB1254_5
6.350	VV	239.65477	0.00000	0.00000		DBC
7.093	VB	4.69330e4	2.09460e-3	98.30605		DCBP

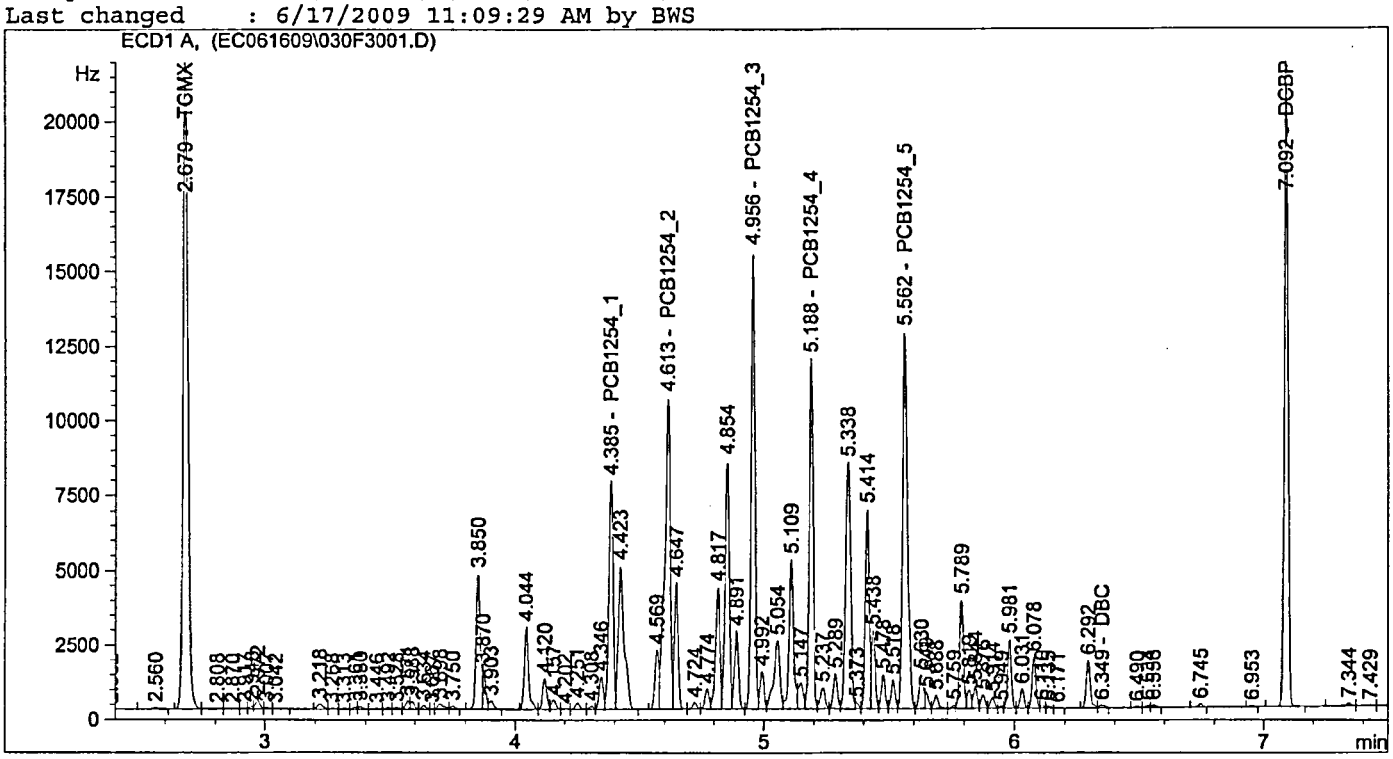
Totals : 5227.62071

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:28:31 PM          Seq. Line :  30
Sample Name     : A1254 x500 ICAL                Location : Vial 30
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

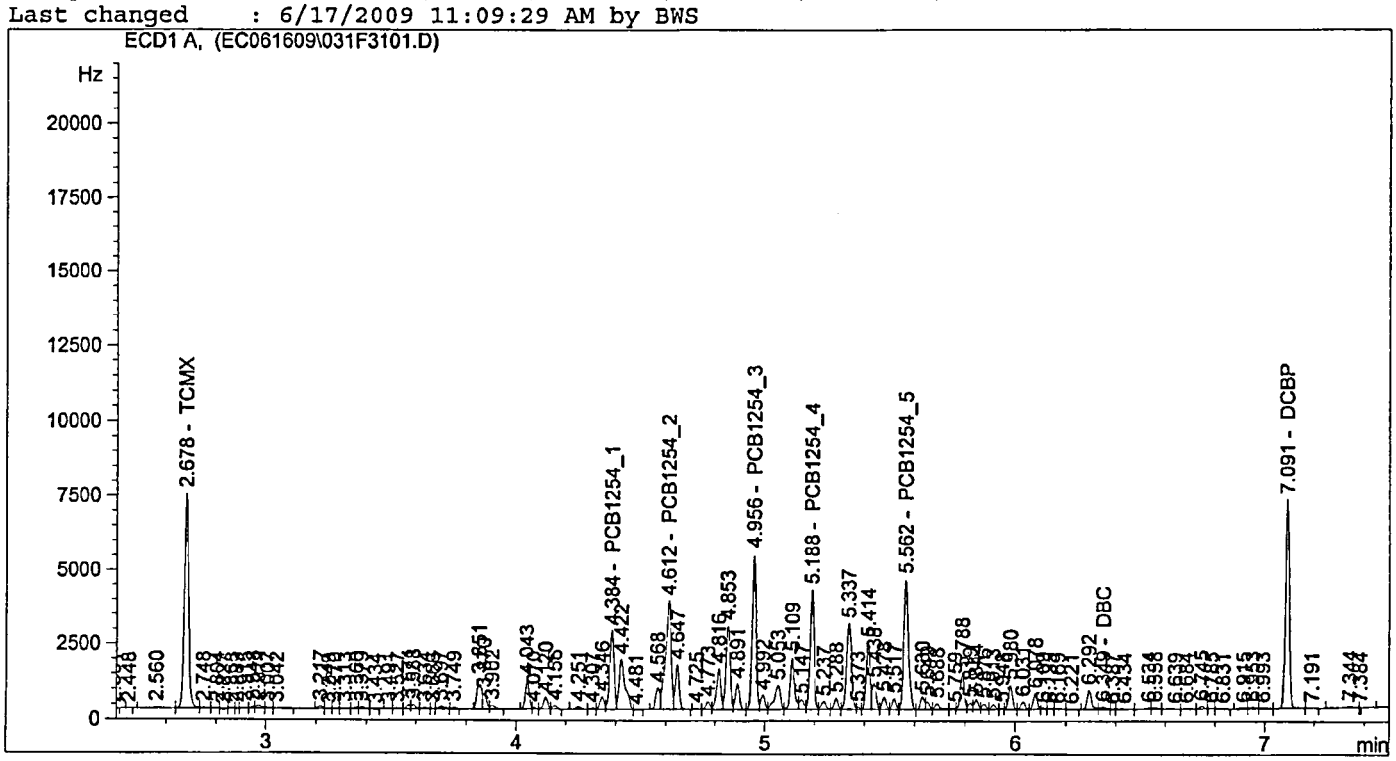
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2.86009e4	1.73998e-3	49.76491		TCMX
4.385	VV	8812.30469	5.72395e-2	504.41229		PCB1254_1
4.613	VV	1.59512e4	3.14303e-2	501.35128		PCB1254_2
4.956	VV	1.68036e4	2.96809e-2	498.74692		PCB1254_3
5.188	VV	1.27868e4	3.88083e-2	496.23276		PCB1254_4
5.562	VV	1.67089e4	2.96250e-2	495.00058		PCB1254_5
6.349	VV	139.15649	0.00000	0.00000		DBC
7.092	VV	2.23516e4	2.17267e-3	48.56259		DCBP
Totals :				2594.07133		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 8:41:32 PM          Seq. Line :  31
Sample Name     : A1254 x200 ICAL                Location : Vial 31
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	8524.24609	2.03289e-3	17.32882		TCMX
4.384	VV	3080.65039	5.98480e-2	184.37073		PCB1254_1
4.612	VV	5549.41016	3.32512e-2	184.52429		PCB1254_2
4.956	VV	5754.39941	3.21343e-2	184.91339		PCB1254_3
5.188	VV	4395.10254	4.23342e-2	186.06293		PCB1254_4
5.562	VV	5617.83398	3.25875e-2	183.07117		PCB1254_5
6.349	VV	141.14275	0.00000	0.00000		DBC
7.091	VV	7539.11914	2.46550e-3	18.58767		DCBP

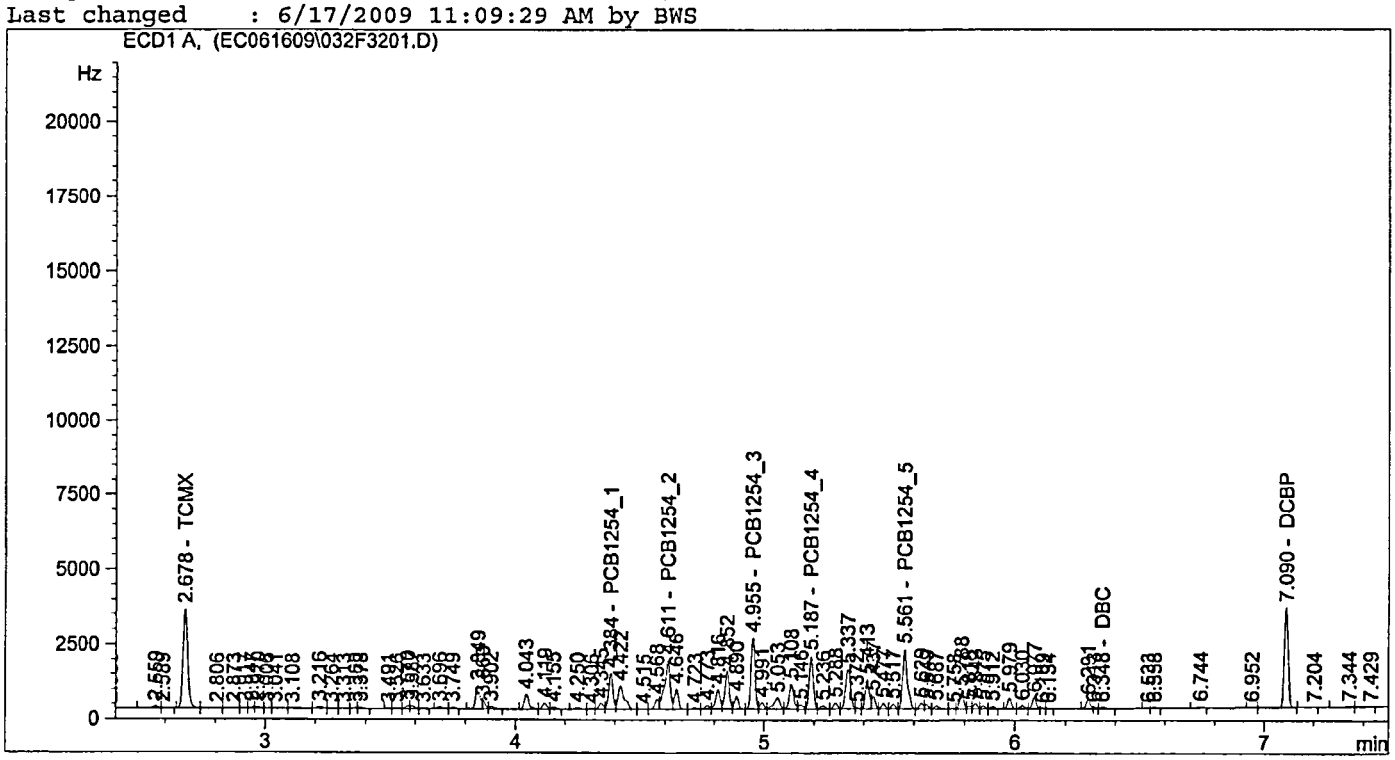
Totals : 958.85900

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:54:25 PM          Seq. Line :  32
Sample Name     : A1254 x100 ICAL                Location : Vial 32
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	4296.46533	2.44349e-3	10.49836		TCMX
4.384	VV	1435.14307	6.44463e-2	92.48963		PCB1254_1
4.611	VV	2587.54272	3.64473e-2	94.30903		PCB1254_2
4.955	VV	2598.47339	3.66658e-2	95.27513		PCB1254_3
5.187	VV	1981.65430	4.88773e-2	96.85782		PCB1254_4
5.561	VV	2636.43701	3.76345e-2	99.22098		PCB1254_5
6.348	VB	43.90696	0.00000	0.00000		DBC
7.090	VB	3566.89917	2.95758e-3	10.54939		DCBP

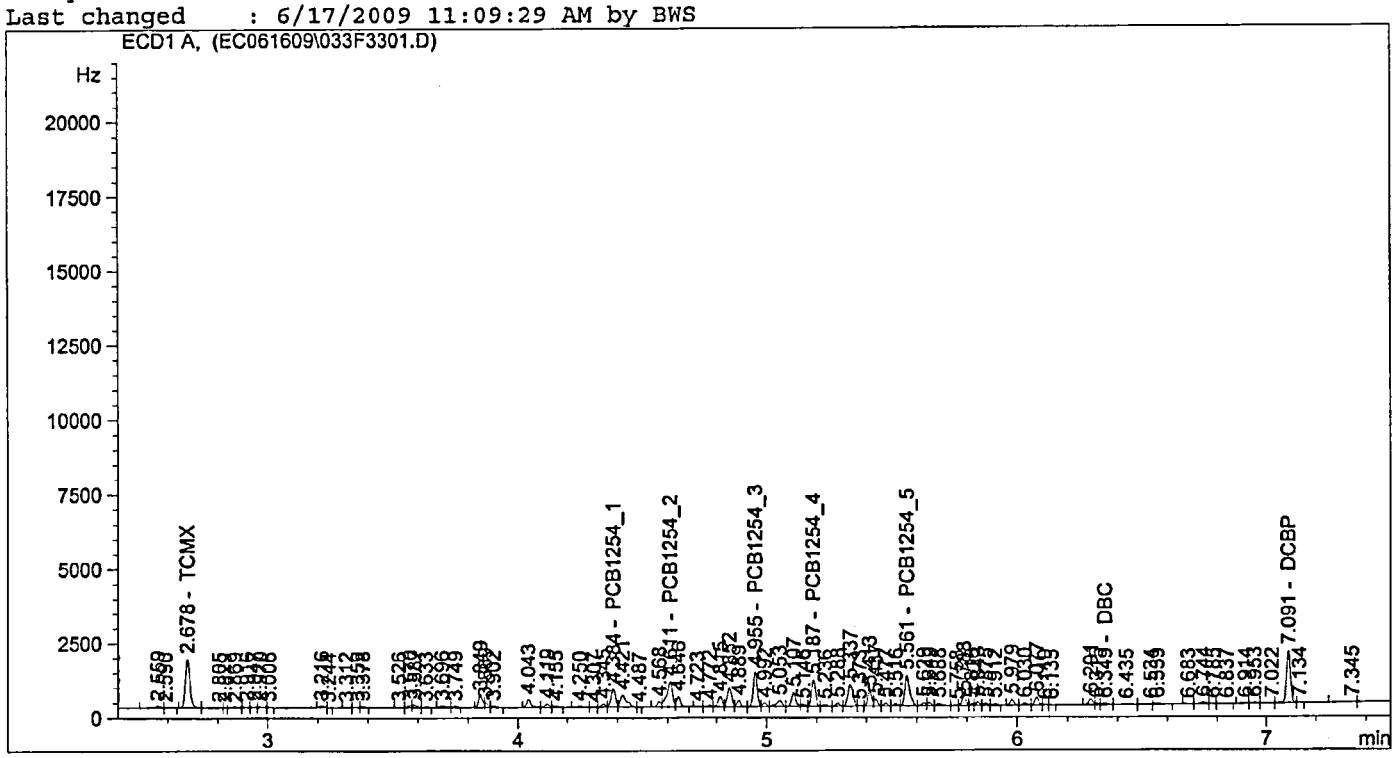
Totals : 499.20033

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 9:07:20 PM          Seq. Line :  33
Sample Name     : A1254 x40 ICAL                 Location : Vial 33
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	2096.34692	3.31234e-3	6.94381		TCMX
4.384	VV	747.95959	7.23555e-2	54.11898		PCB1254_1
4.611	VV	1354.87512	4.18956e-2	56.76331		PCB1254_2
4.955	VV	1309.11450	4.48038e-2	58.65327		PCB1254_3
5.187	VV	1002.31152	6.05198e-2	60.65966		PCB1254_4
5.561	VV	1361.23328	4.65435e-2	63.35655		PCB1254_5
6.349	VV	60.24842	0.00000	0.00000		DBC
7.091	VV	1876.47437	3.79894e-3	7.12861		DCBP

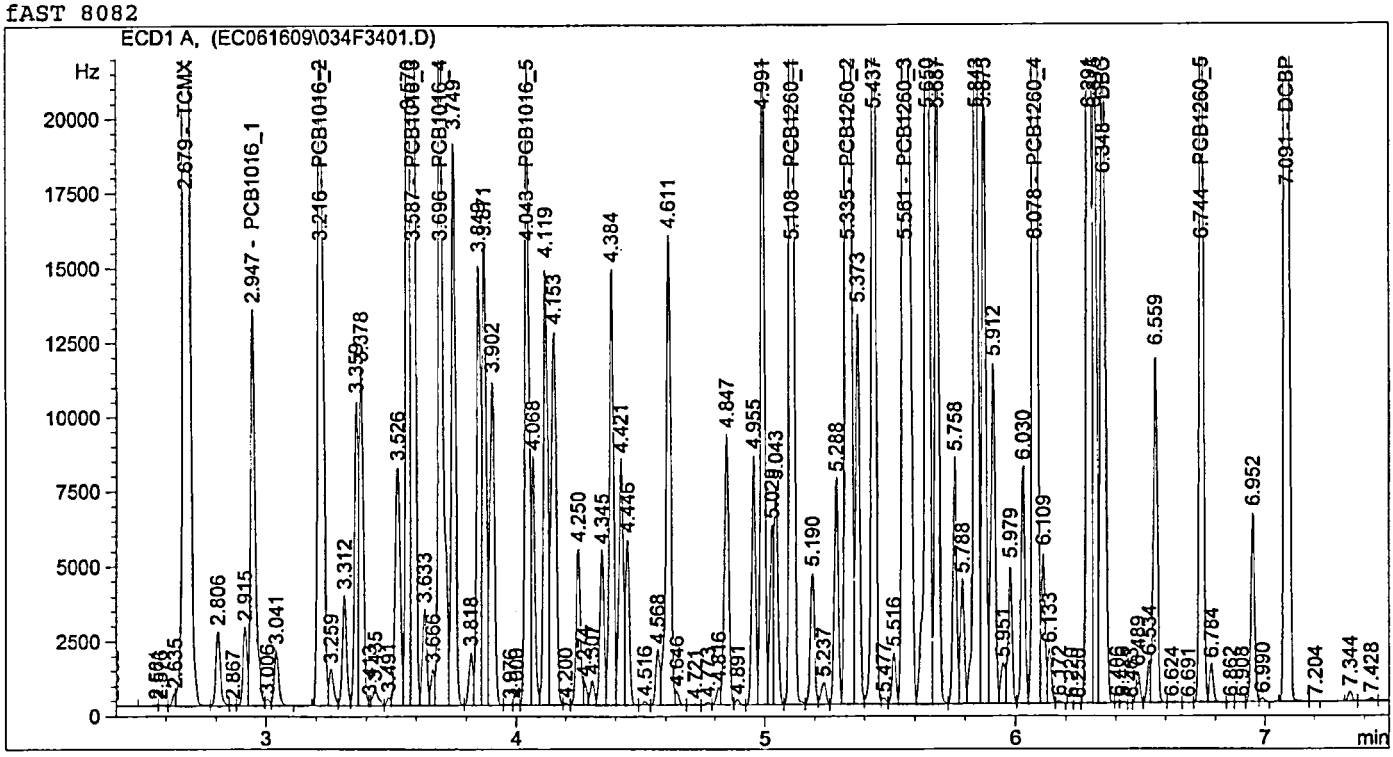
Totals : 307.62420

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 9:20:14 PM          Seq. Line :  34
Sample Name     : PCB x2000 ICAL                 Location : Vial 34
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.21250e5	1.65931e-3	201.19254		TCMX
2.947	VV	1.72408e4	1.15845e-1	1997.26688		PCB1016_1
3.216	PV	3.26845e4	6.08924e-2	1990.24185		PCB1016_2
3.587	VV	5.03406e4	3.98945e-2	2008.31722		PCB1016_3
3.696	VV	3.27770e4	6.11295e-2	2003.63813		PCB1016_4
4.043	VV	2.59332e4	7.73971e-2	2007.15412		PCB1016_5
5.108	VV	5.10187e4	3.94658e-2	2013.49142		PCB1260_1
5.335	VV	8.09492e4	2.48880e-2	2014.66536		PCB1260_2
5.561	VV	8.69555e4	2.31943e-2	2016.87090		PCB1260_3
6.078	VV	1.16463e5	1.73421e-2	2019.71412		PCB1260_4
6.348	VV	3.12323e4	6.46853e-3	202.02742		DBC
6.744	VV	2.96732e4	6.81750e-2	2022.96984		PCB1260_5
7.091	VV	1.00152e5	2.02414e-3	202.72162		DCBP

Totals : 2.07003e4

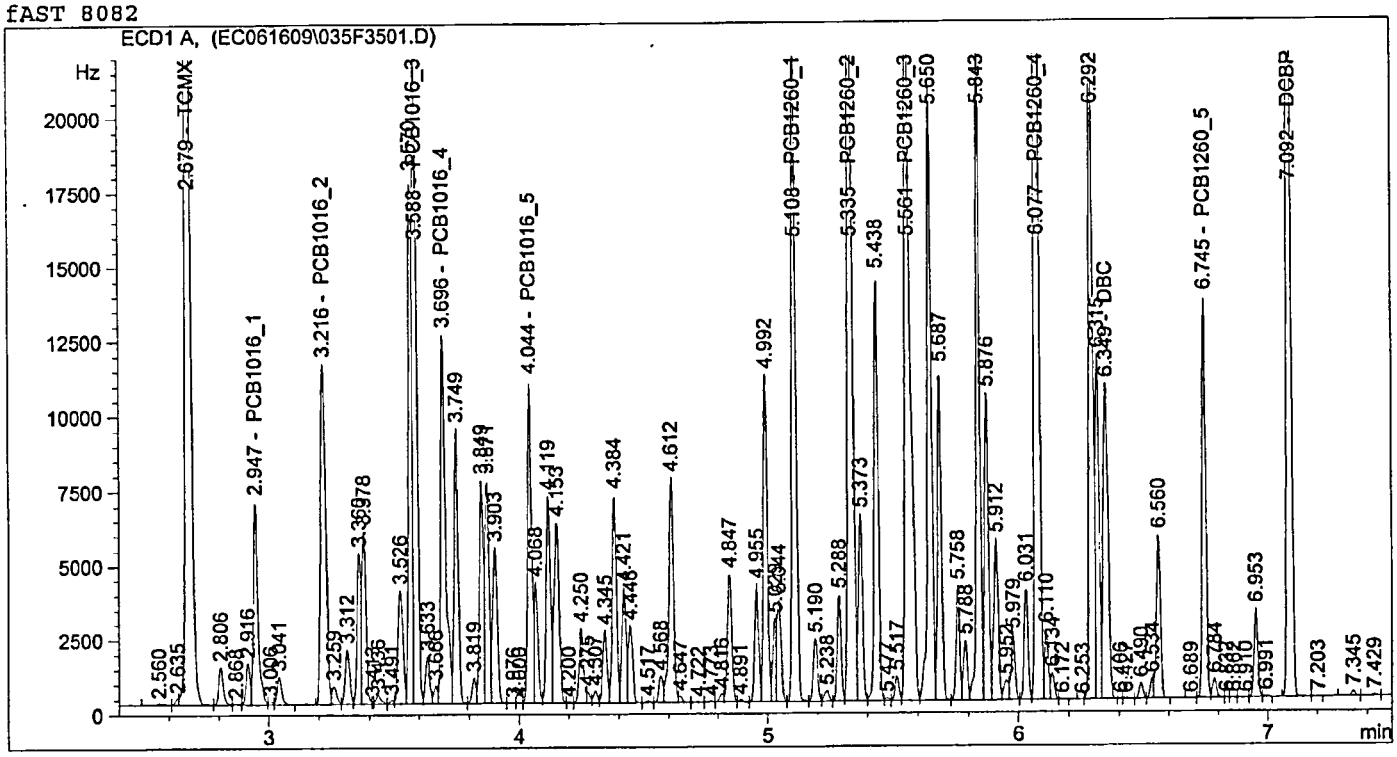
BWS
6.17.09

==========

Injection Date : 6/16/2009 9:33:02 PM
Sample Name : PCB x1000 ICAL
Acq. Operator : BWS

Seq. Line : 35
Location : Vial 35
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed : 6/17/2009 11:15:09 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	5.79653e4	1.67490e-3	97.08626		TCMX
2.947	VV	8630.02051	1.14947e-1	991.99581		PCB1016_1
3.216	PV	1.66326e4	6.03041e-2	1003.01564		PCB1016_2
3.588	VV	2.42770e4	4.00624e-2	972.59592		PCB1016_3
3.696	VV	1.60786e4	6.11591e-2	983.35443		PCB1016_4
4.044	VV	1.26056e4	7.75844e-2	977.99992		PCB1016_5
5.108	VV	2.43350e4	3.97752e-2	967.92764		PCB1260_1
5.335	VV	3.84732e4	2.51016e-2	965.73908		PCB1260_2
5.561	VV	4.10533e4	2.34433e-2	962.42580		PCB1260_3
6.077	VV	5.45419e4	1.75871e-2	959.23379		PCB1260_4
6.349	VV	1.46099e4	6.54455e-3	95.61555		DBC
6.745	VV	1.37551e4	6.91876e-2	951.68206		PCB1260_5
7.092	VB	4.59375e4	2.05757e-3	94.51957		DCBP

Totals : 1.00232e4

BWS
6.17.09

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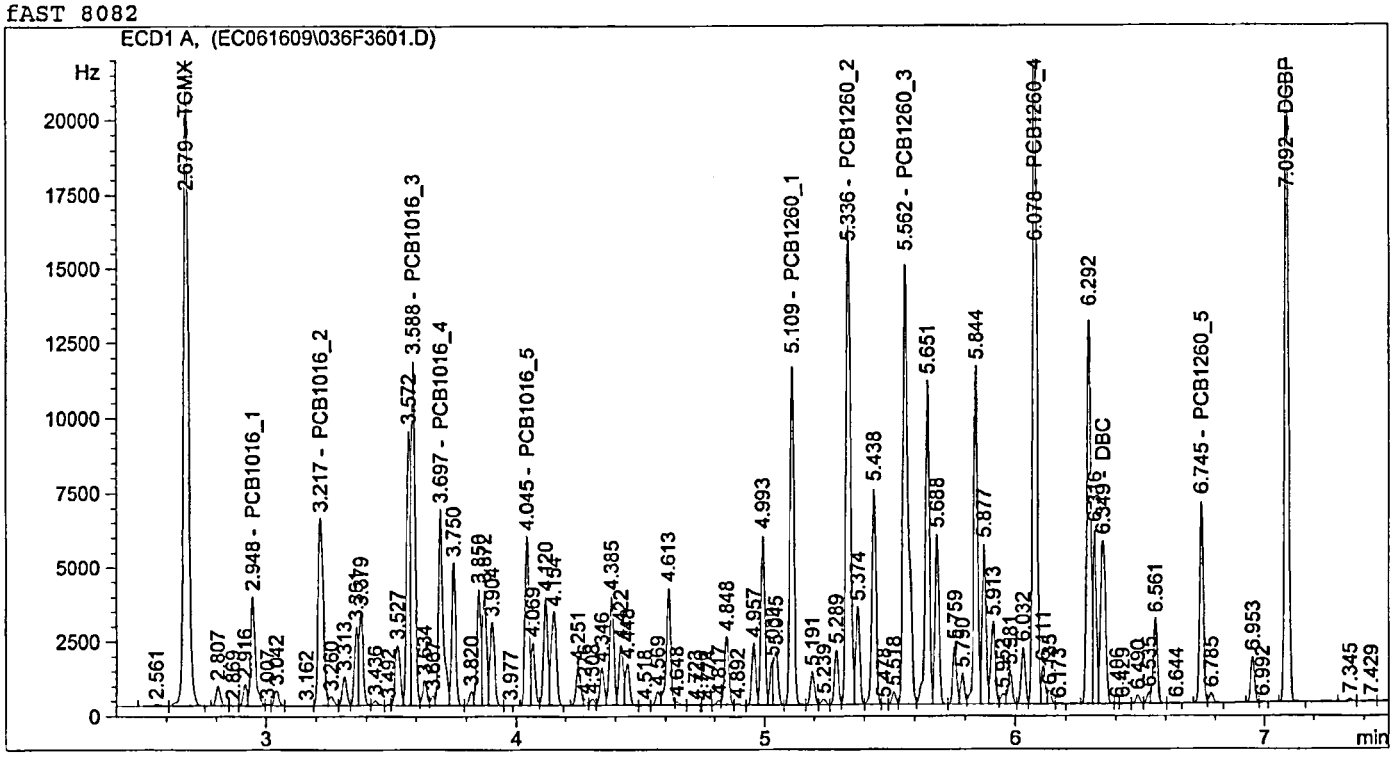
==================================================================
Injection Date  : 6/16/2009 9:46:01 PM          Seq. Line :  36
Sample Name     : PCB x500 ICAL                  Location : Vial 36
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```

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==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

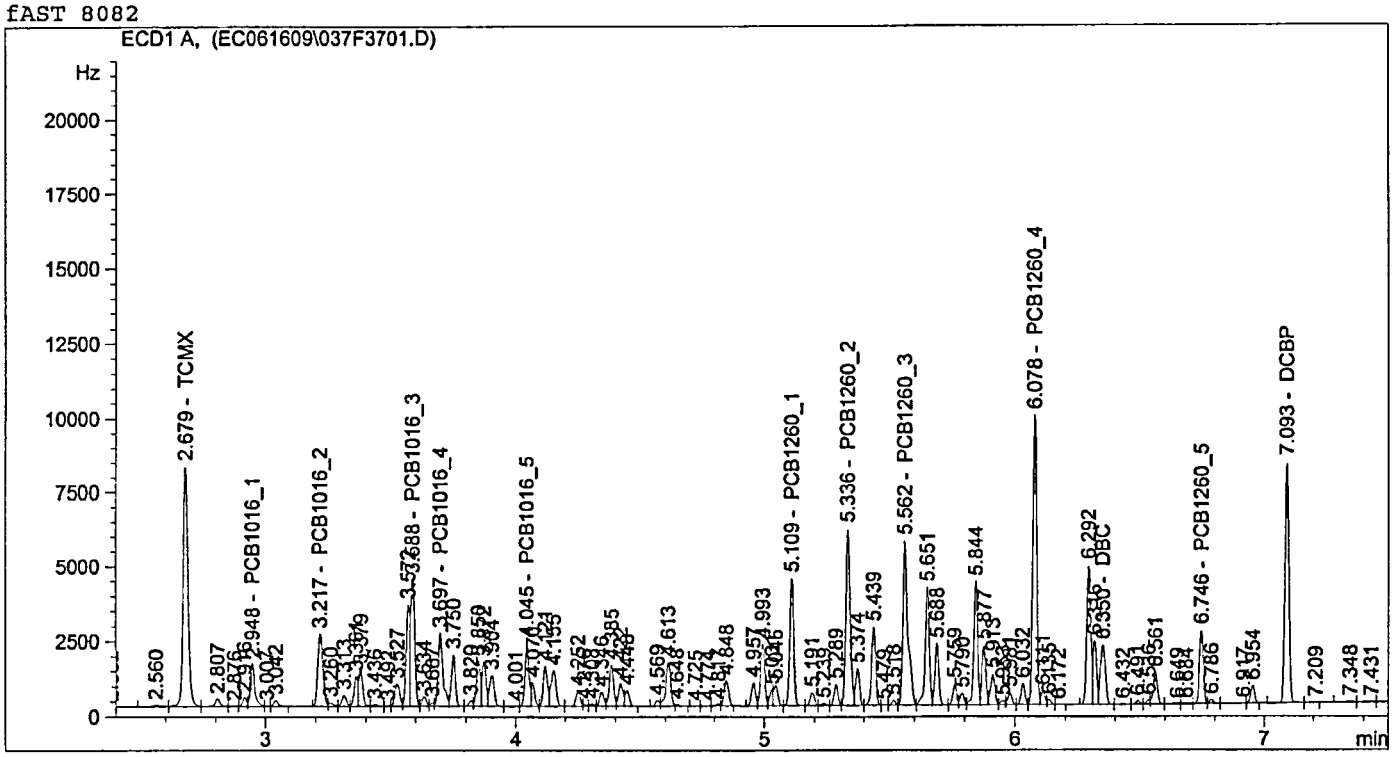
Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	3.01046e4	1.70255e-3	51.25442		TCMX
2.948	VV	4683.42236	1.13431e-1	531.24715		PCB1016_1
3.217	PV	9094.14063	5.93109e-2	539.38206		PCB1016_2
3.588	VV	1.30108e4	4.03431e-2	524.89529		PCB1016_3
3.697	VV	8536.23145	6.12105e-2	522.50719		PCB1016_4
4.045	VV	6655.70361	7.79103e-2	518.54789		PCB1016_5
5.109	VV	1.26906e4	4.03179e-2	511.66021		PCB1260_1
5.336	VV	2.00608e4	2.54753e-2	511.05530		PCB1260_2
5.562	VV	2.12894e4	2.38813e-2	508.41859		PCB1260_3
6.078	VV	2.78606e4	1.80285e-2	502.28332		PCB1260_4
6.349	VV	7585.99463	6.67681e-3	50.65023		DBC
6.745	VV	7103.52344	7.09552e-2	504.03201		PCB1260_5
7.092	VB	2.35723e4	2.11616e-3	49.88272		DCBP

Totals : 5325.81638

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  37
Sample Name     : PCB x200 ICAL                  Location : Vial 37
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```

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==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.08099e4	1.80519e-3	19.51395		TCMX
2.948	VV	1826.83508	1.08249e-1	197.75265		PCB1016_1
3.217	BV	3515.66235	5.58341e-2	196.29384		PCB1016_2
3.588	VV	4714.23291	4.14076e-2	195.20522		PCB1016_3
3.697	VV	3178.36353	6.13953e-2	195.13662		PCB1016_4
4.045	VV	2462.75513	7.90857e-2	194.76877		PCB1016_5
5.109	VV	4633.16504	4.22905e-2	195.93902		PCB1260_1
5.336	VV	7301.72949	2.68395e-2	195.97470		PCB1260_2
5.562	VV	7683.14453	2.54925e-2	195.86235		PCB1260_3
6.078	VV	1.00399e4	1.96300e-2	197.08246		PCB1260_4
6.350	VV	2740.56128	7.16318e-3	19.63114		DBC
6.746	VV	2536.74219	7.75356e-2	196.68793		PCB1260_5
7.093	VB	8475.61133	2.33050e-3	19.75239		DCBP

Totals : 2019.60105

BWS
6.17.09

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==================================================================
Injection Date  : 6/16/2009 10:11:44 PM          Seq. Line :  38
Sample Name     : PCB x100 ICAL                   Location : Vial 38
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
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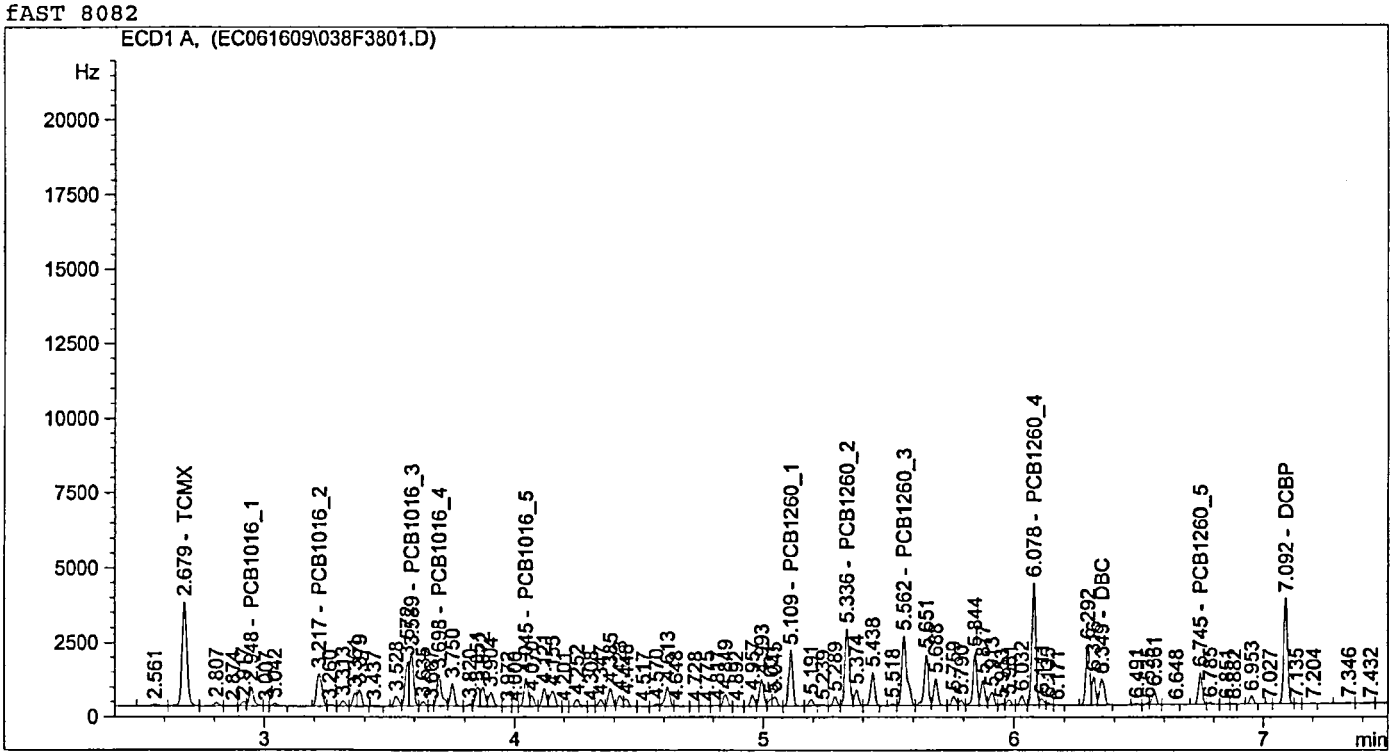


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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

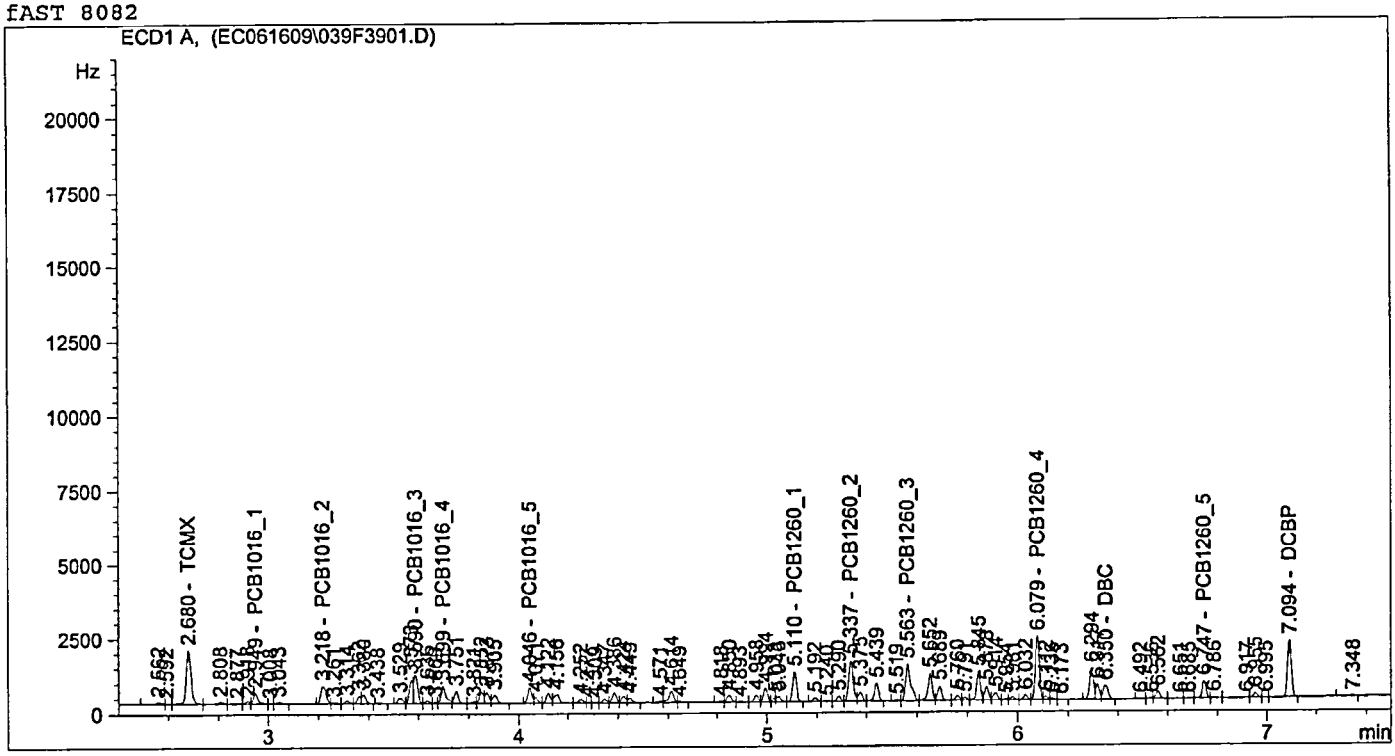
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	4626.69043	2.01923e-3	9.34235		TCMX
2.948	VV	850.59192	9.84966e-2	83.78039		PCB1016_1
3.217	BV	1599.89221	4.90470e-2	78.46993		PCB1016_2
3.589	VV	2033.84790	4.36077e-2	88.69151		PCB1016_3
3.698	VV	1423.24719	6.17584e-2	87.89743		PCB1016_4
4.045	VV	1106.63562	8.13722e-2	90.04934		PCB1016_5
5.109	VV	2028.33423	4.62805e-2	93.87227		PCB1260_1
5.336	VV	3216.15210	2.95643e-2	95.08322		PCB1260_2
5.562	VV	3360.40771	2.87353e-2	96.56241		PCB1260_3
6.078	VV	4285.95654	2.29913e-2	98.53964		PCB1260_4
6.349	VB	1223.74329	8.10701e-3	9.92090		DBC
6.745	VV	1109.86353	9.06950e-2	100.65909		PCB1260_5
7.092	VV	3759.68237	2.75030e-3	10.34024		DCBP

Totals : 943.20871

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 10:24:44 PM          Seq. Line :  39
Sample Name     : PCB x40 ICAL                    Location : Vial 39
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```

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==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	2358.12231	2.37921e-3	5.61048		TCMX
2.949	VV	458.08719	8.28600e-2	37.95712		PCB1016_1
3.218	BV	854.01141	3.81689e-2	32.59668		PCB1016_2
3.590	VV	1067.60730	4.71099e-2	50.29484		PCB1016_3
3.699	VV	761.53467	6.23297e-2	47.46620		PCB1016_4
4.046	PV	607.16089	8.47880e-2	51.47995		PCB1016_5
5.110	VV	1090.11560	5.23884e-2	57.10944		PCB1260_1
5.337	VV	1693.51343	3.39427e-2	57.48234		PCB1260_2
5.563	VV	1762.67249	3.39598e-2	59.85996		PCB1260_3
6.079	VV	2219.36157	2.84526e-2	63.14669		PCB1260_4
6.350	VV	635.44293	9.68579e-3	6.15477		DBC
6.747	VV	564.69189	1.13281e-1	63.96907		PCB1260_5
7.094	VV	1977.56738	3.43020e-3	6.78346		DCBP

Totals : 539.91099

BWS
6/17/09

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	68.25872803	3.31863
		2	54.14932251	3.4258101
		3	171.6998596	3.47351
		4	0	0
		5	0	0
	100	1	134.818222	3.3185799
		2	93.75131226	3.4258699
		3	334.0836182	3.4739499
		4	0	0
		5	0	0
	200	1	275.8415222	3.31863
		2	187.9540558	3.42608
		3	654.3911743	3.4741499
		4	0	0
		5	0	0
	500	1	666.2232666	3.31865
		2	442.7644043	3.42591
		3	1580.27002	3.4739399
		4	0	0
		5	0	0
	1000	1	1352.282471	3.3185201
		2	878.3676147	3.42574
		3	3245.028809	3.4734499
		4	0	0
		5	0	0
	2000	1	2881.797607	3.31828
		2	1829.250732	3.42557
		3	6903.972168	3.4735999
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	3.2885	3.3485
2	3.3958	3.4558
3	3.4438	3.5038
4		
5		

Peak	Correlation Coefficient (r)
1	0.999397081
2	0.999671596
3	0.999354877
4	
5	

Peak	Slope (y)
1	0.69661673
2	1.103230345
3	0.290868062
4	
5	

Peak	Intercept (b)
1	15.45734798
2	-1.020489447
3	15.14532091
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	495.0893555	2.95327
		2	395.8239136	3.2230301
		3	525.0204468	3.5950401
		4	292.696106	4.0517302
		5	251.546936	4.4556398
	100	1	822.0823364	2.9533701
		2	627.5452271	3.22329
		3	845.7796021	3.5953801
		4	440.4623718	4.0520701
		5	406.5694275	4.45614
	200	1	1918.338501	2.9526601
		2	1475.925781	3.2225499
		3	1920.7677	3.59483
		4	955.569458	4.05125
		5	916.8273926	4.45506
	500	1	5459.367188	2.9532599
		2	4011.202393	3.2229099
		3	5890.492676	3.5949399
		4	2581.757813	4.0513
		5	2731.882568	4.4552202
	1000	1	10642.22656	2.95364
		2	8107.244629	3.22352
		3	11423.75781	3.5956399
		4	5312.279297	4.05231
		5	5470.343262	4.4562201
	2000	1	21929.52148	2.95332
		2	16745.51172	3.2232001
		3	24888.66992	3.59514
		4	11396.51563	4.0517502
		5	11935.27344	4.4556999

Peak	RT Window From	RT Window To
1	2.9233	2.9833
2	3.1931	3.2531
3	3.5652	3.6252
4	4.0217	4.0817
5	4.4257	4.4857

Peak	Correlation Coefficient (r)
1	0.99980252
2	0.999796603
3	0.999152508
4	0.999245784
5	0.999117781

Peak	Slope (y)
1	0.090809351
2	0.118921741
3	0.079932803
4	0.175114454
5	0.166558646

Peak	Intercept (b)
1	15.43408851
2	18.37121099
3	33.91633781
4	27.70412041
5	37.267483

PCB Initial Calibration Summary

Sample ID: A1242
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	403.0035706	2.94821
		2	725.3896484	3.2174399
		3	897.3375854	3.5889201
		4	509.7808533	4.0448699
		5	513.4442139	4.4223499
	100	1	793.5803223	2.9484501
		2	1467.12085	3.2176499
		3	1857.668701	3.5894201
		4	1025.639404	4.0453701
		5	1045.561646	4.4226699
	200	1	1538.385742	2.9498799
		2	2850.614014	3.21928
		3	3870.946045	3.5906601
		4	2049.926758	4.0471101
		5	2122.512451	4.4245901
	500	1	3628.715576	2.9507599
		2	6743.108398	3.21929
		3	10631.87207	3.5915501
		4	4836.100586	4.0467901
		5	5635.855957	4.4250598
	1000	1	8266.917969	2.9516699
		2	15512.74023	3.2212901
		3	22709.72656	3.59319
		4	11790.20996	4.0496001
		5	12501.0459	4.4270201
	2000	1	15892.9834	2.9526701
		2	29535.74609	3.2226501
		3	44998.21484	3.5947499
		4	23374.73242	4.0508699
		5	25335.19531	4.4284501

Peak	RT Window From	RT Window To
1	2.9203	2.9803
2	3.1896	3.2496
3	3.5614	3.6214
4	4.0174	4.0774
5	4.3950	4.4550

Peak	Correlation Coefficient (r)
1	0.999382277
2	0.99924372
3	0.999835192
4	0.998984327
5	0.99965219

Peak	Slope (y)
1	0.124937308
2	0.067088902
3	0.043983124
4	0.084482632
5	0.07816203

Peak	Intercept (b)
1	4.410879429
2	4.503517866
3	17.15669073
4	26.28450961
5	25.72961152

PCB Initial Calibration Summary

Sample ID: A1248
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	689.8724365	3.5885501
		2	361.0348816	3.8517399
		3	989.3600464	4.4222999
		4	791.9811401	4.6195402
		5	474.0143738	4.9567099
	100	1	1206.299561	3.5888801
		2	1041.661865	3.85131
		3	1840.272339	4.42238
		4	1445.289917	4.6200199
		5	865.4060059	4.9569502
	200	1	2780.866699	3.5878699
		2	2357.027588	3.85039
		3	4327.105469	4.4215598
		4	3333.630859	4.6187901
		5	1994.117676	4.9559798
	500	1	7947.630371	3.58832
		2	6716.694336	3.8503301
		3	12407.98633	4.42167
		4	9514.631836	4.61975
		5	5683.827637	4.9563398
	1000	1	17201.23828	3.5877299
		2	15082.45215	3.8497901
		3	26991.54883	4.4212699
		4	20718.24609	4.6191101
		5	12462.66113	4.9556799
	2000	1	36665.78516	3.5884299
		2	31148.52148	3.8506501
		3	58161.60547	4.4218602
		4	44654.57031	4.6196499
		5	27130.5918	4.9560599

Peak	RT Window From	RT Window To
1	3.5583	3.6183
2	3.8207	3.8807
3	4.3918	4.4518
4	4.5895	4.6495
5	4.9263	4.9863

Peak	Correlation Coefficient (r)
1	0.999329938
2	0.999647016
3	0.999192989
4	0.999159614
5	0.998955352

Peak	Slope (y)
1	0.053938235
2	0.063106134
3	0.033968994
4	0.044269949
5	0.072846844

Peak	Intercept (b)
1	42.25924654
2	43.56928499
3	47.13983997
4	46.35215364
5	49.81163788

PCB Initial Calibration Summary

Sample ID: A1254
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	747.9595947	4.3836298
		2	1354.875122	4.61128
		3	1309.114502	4.9548202
		4	1002.311523	5.1868401
		5	1361.233276	5.5612702
	100	1	1435.143066	4.38377
		2	2587.542725	4.6112299
		3	2598.473389	4.9552302
		4	1981.654297	5.18681
		5	2636.437012	5.56142
	200	1	3080.650391	4.38446
		2	5549.410156	4.61164
		3	5754.399414	4.9558001
		4	4395.102539	5.1876402
		5	5617.833984	5.5620098
	500	1	8812.304688	4.3850398
		2	15951.19336	4.6125302
		3	16803.64844	4.95645
		4	12786.76074	5.1880298
		5	16708.86914	5.56218
	1000	1	17927.06445	4.3857198
		2	32643.64453	4.6135402
		3	34668.50781	4.9574499
		4	26454.19531	5.1893702
		5	34650.625	5.5636301
	2000	1	35488.17188	4.38515
		2	65032.93359	4.6129198
		3	69611.28906	4.95679
		4	53509.94531	5.18852
		5	70319.60156	5.56285

Peak	RT Window From	RT Window To
1	4.3546	4.4146
2	4.5822	4.6422
3	4.9261	4.9861
4	5.1579	5.2179
5	5.5322	5.5922

Peak	Correlation Coefficient (r)
1	0.999871063
2	0.999883624
3	0.999887813
4	0.999886128
5	0.999848139

Peak	Slope (y)
1	0.055854704
2	0.030471499
3	0.028411196
4	0.036973921
5	0.028133881

Peak	Intercept (b)
1	11.71563016
2	14.72687888
3	20.89432368
4	22.96707296
5	24.36222119

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	458.0871887	2.9489901
		2	854.0114136	3.2182
		3	1067.6073	3.58971
		4	761.534668	3.69853
		5	607.1608887	4.0458798
	100	1	850.5919189	2.9480901
		2	1599.892212	3.2174301
		3	2033.8479	3.58881
		4	1423.247192	3.6976199
		5	1106.63562	4.0448298
	200	1	1826.835083	2.94767
		2	3515.662354	3.2168901
		3	4714.23291	3.5883801
		4	3178.363525	3.69735
		5	2462.755127	4.0446401
	500	1	4683.422363	2.9478099
		2	9094.140625	3.2171299
		3	13010.7832	3.5883801
		4	8536.231445	3.6970899
		5	6655.703613	4.0445199
	1000	1	8630.020508	2.9468901
		2	16632.63867	3.2163401
		3	24277.0332	3.58762
		4	16078.62793	3.6963401
		5	12605.62012	4.04353
	2000	1	17240.79102	2.9468701
		2	32684.54492	3.21632
		3	50340.64453	3.5873201
		4	32776.96875	3.6963201
		5	25933.19531	4.04321

Peak	RT Window From	RT Window To
1	2.9177	2.9777
2	3.1871	3.2471
3	3.5584	3.6184
4	3.6672	3.7272
5	4.0144	4.0744

Peak	Correlation Coefficient (r)
1	0.999767974
2	0.999615666
3	0.999701823
4	0.99982024
5	0.999800099

Peak	Slope (y)
1	0.116691605
2	0.061454851
3	0.039714517
4	0.061078938
5	0.077189043

Peak	Intercept (b)
1	-15.21846314
2	-19.41966486
3	8.246950002
4	1.165477844
5	4.84904761

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	1090.115601	5.1100502
		2	1693.513428	5.3373599
		3	1762.672485	5.5627599
		4	2219.361572	6.07901
		5	564.6918945	6.7466302
	100	1	2028.334229	5.1089802
		2	3216.1521	5.33599
		3	3360.407715	5.5618
		4	4285.956543	6.0783401
		5	1109.863525	6.74509
	200	1	4633.165039	5.1089501
		2	7301.729492	5.33606
		3	7683.144531	5.5619102
		4	10039.87402	6.0783701
		5	2536.742188	6.7459998
	500	1	12690.63965	5.1089702
		2	20060.8457	5.3362699
		3	21289.37891	5.56216
		4	27860.55859	6.0781002
		5	7103.523438	6.74508
	1000	1	24334.97461	5.1079702
		2	38473.16016	5.3350201
		3	41053.27344	5.56106
		4	54541.90625	6.0773802
		5	13755.09082	6.7446499
	2000	1	51018.65625	5.1076198
		2	80949.1875	5.3348999
		3	86955.5	5.56072
		4	116463.375	6.0775199
		5	29673.20117	6.7441101

Peak	RT Window From	RT Window To
1	5.0788	5.1388
2	5.3059	5.3659
3	5.5317	5.5917
4	6.0481	6.1081
5	6.7153	6.7753

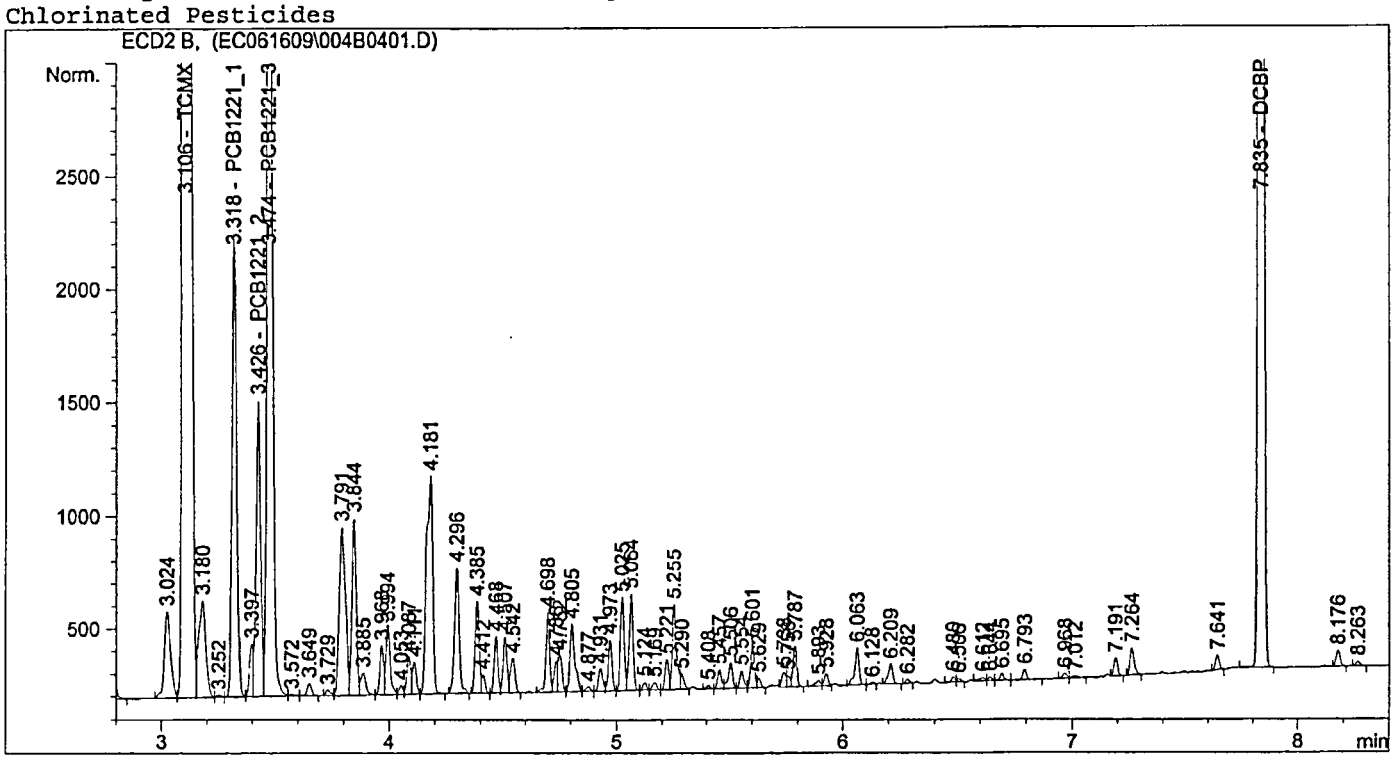
Peak	Correlation Coefficient (r)
1	0.99970242
2	0.999673663
3	0.999615082
4	0.999542832
5	0.999391482

Peak	Slope (y)
1	0.039160323
2	0.024678433
3	0.022953865
4	0.017110559
5	0.067218053

Peak	Intercept (b)
1	14.76702614
2	16.06921781
3	19.84633707
4	25.69948897
5	26.71242249

Data File C:\HPCHEM\1\DATA\EC061609\004B0401.D

```
==================================================================
Injection Date  : 6/16/2009 3:19:26 PM          Seq. Line :   4
Sample Name     : A1221 x2000 ICAL               Location : Vial 4
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 9:25:07 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.01823e4	6.73864e-3	203.38781		TCMX
3.318	VV	2881.79761	7.02560e-1	2024.63492		PCB1221_1
3.426	VV	1829.25073	1.10317	2017.96934		PCB1221_2
3.474	VV	6903.97217	2.93321e-1	2025.07684		PCB1221_3
6.890		-	-	-		DBC
7.835	BP	3.04287e4	6.70653e-3	204.07139		DCBP

BWS
6.17.09

Totals : 6475.14029

Results obtained with enhanced integrator!
2 Warnings or Errors :

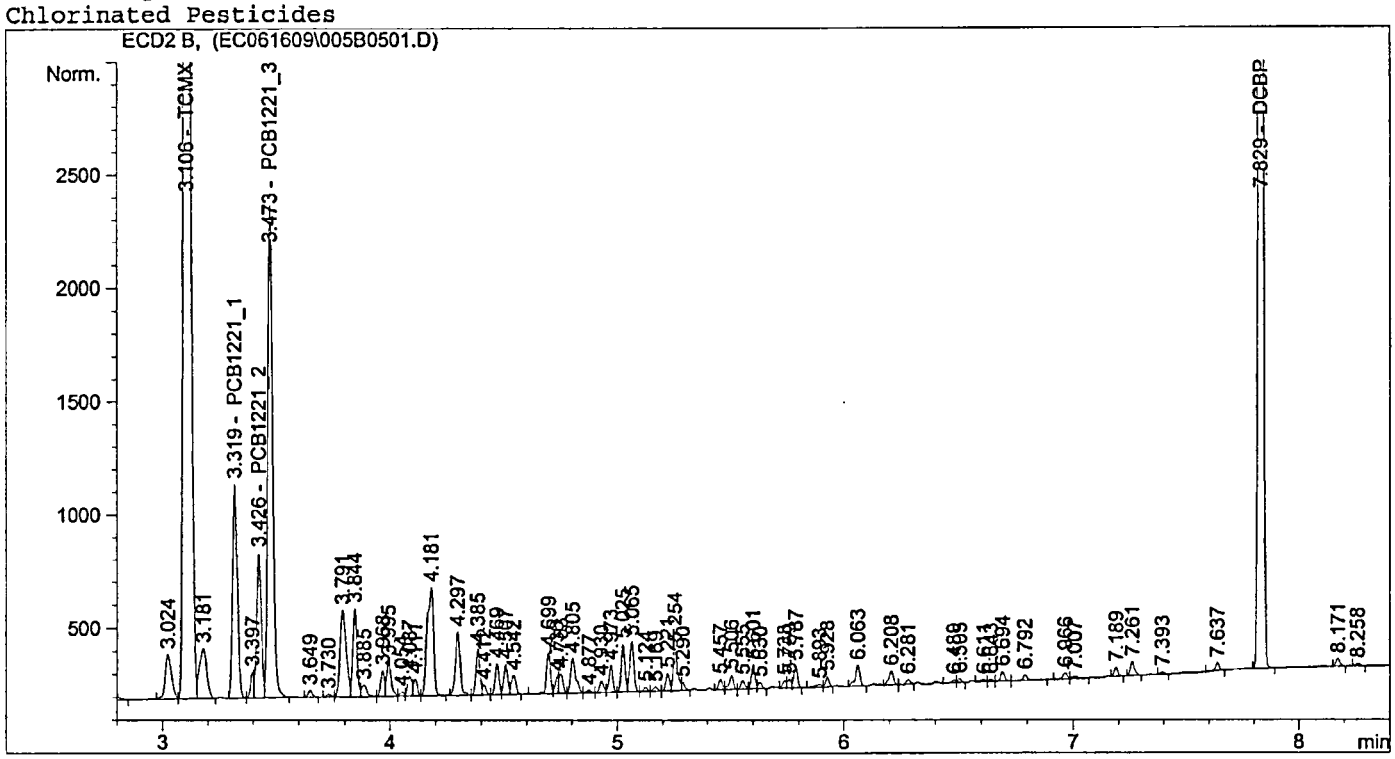
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

ECD2 6/17/2009 9:25:30 AM BWS

==========

Injection Date : 6/16/2009 3:32:12 PM Seq. Line : 5
Sample Name : A1221 x1000 ICAL Location : Vial 5
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 8:56:45 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.37204e4	6.90532e-3	94.74401		TCMX
3.319	BV	1352.28247	7.08331e-1	957.86312		PCB1221_1
3.426	VV	878.36761	1.10231	968.23687		PCB1221_2
3.473	VB	3245.02881	2.95662e-1	959.43257		PCB1221_3
6.890		-	-	-		DBC
7.829	BB	1.36037e4	6.86986e-3	93.45533		DCBP

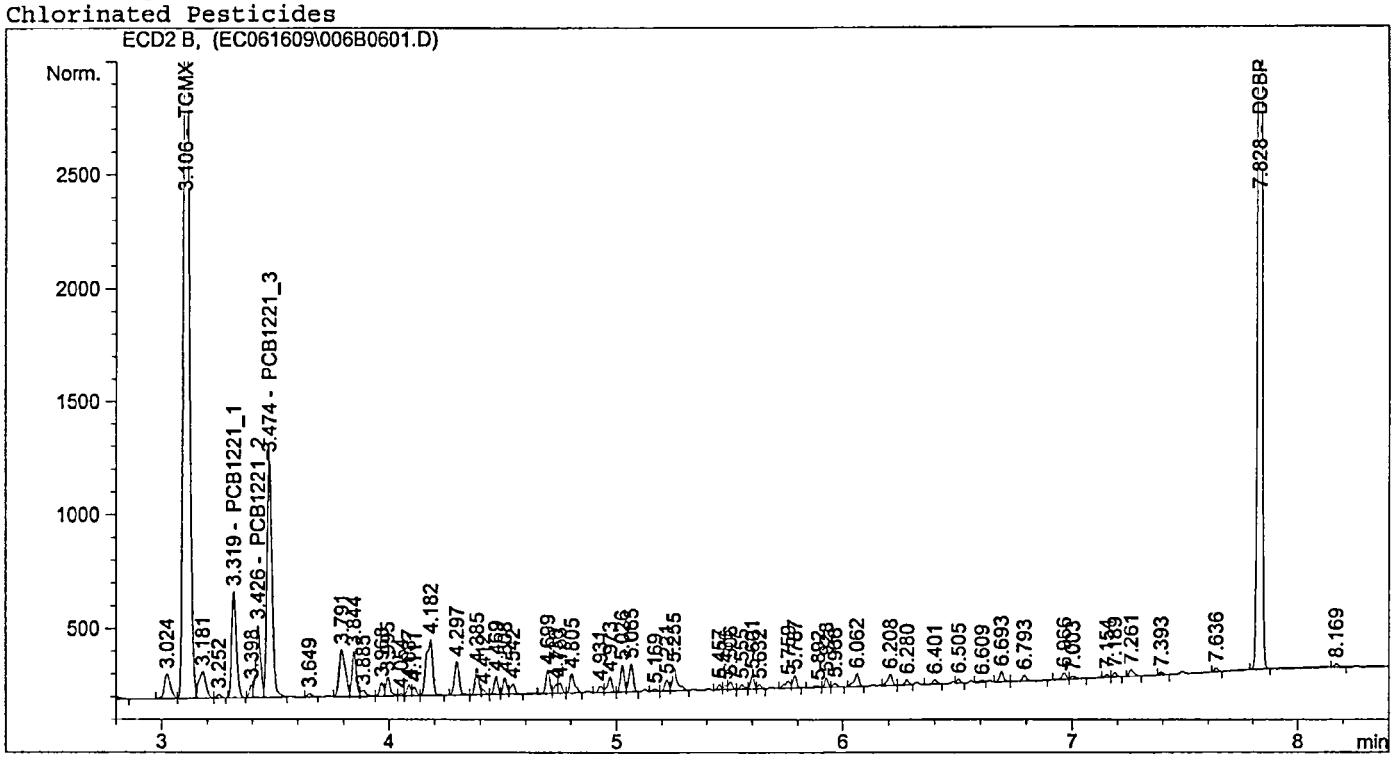
Totals : 3073.73190

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD2 B,
```

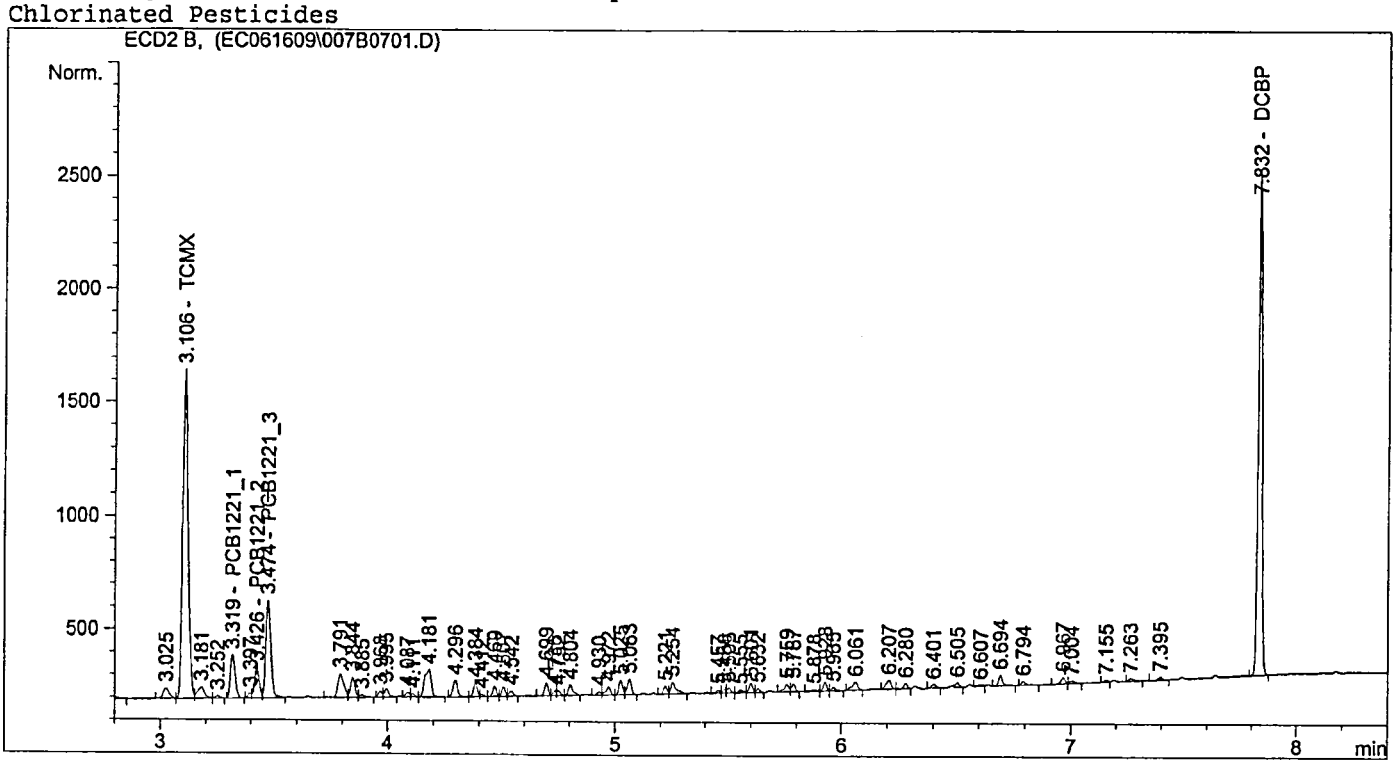
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6381.74414	7.25673e-3	46.31061		TCMX
3.319	BB	666.22327	7.19528e-1	479.36598		PCB1221_1
3.426	VV	442.76440	1.10070	487.35039		PCB1221_2
3.474	VV	1580.27002	3.00317e-1	474.58204		PCB1221_3
6.890		-	-	-		DBC
7.828	BB	6373.09912	7.20499e-3	45.91812		DCBP
Totals :				1533.52714		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   7
Sample Name     : A1221 x200 ICAL                Location : Vial 7
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

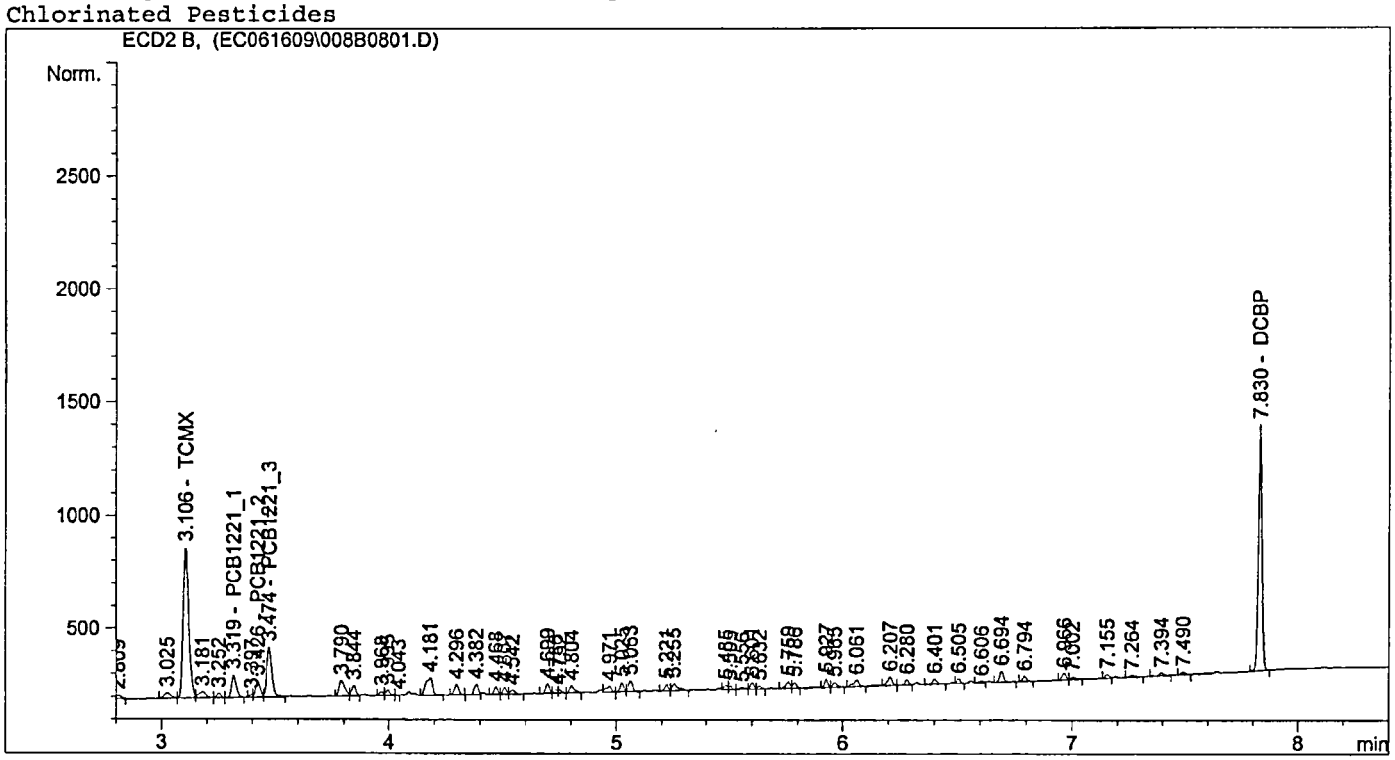
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2397.96655	8.34823e-3	20.01878		TCMX
3.319	BB	275.84152	7.50762e-1	207.09131		PCB1221_1
3.426	VV	187.95406	1.09628	206.05115		PCB1221_2
3.474	VB	654.39117	3.13155e-1	204.92564		PCB1221_3
6.890		-	-	-		DBC
7.832	BB	2483.32471	8.19260e-3	20.34488		DCBP
Totals :				658.43176		

BWS
6-17-09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:10:48 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD2 B,
```

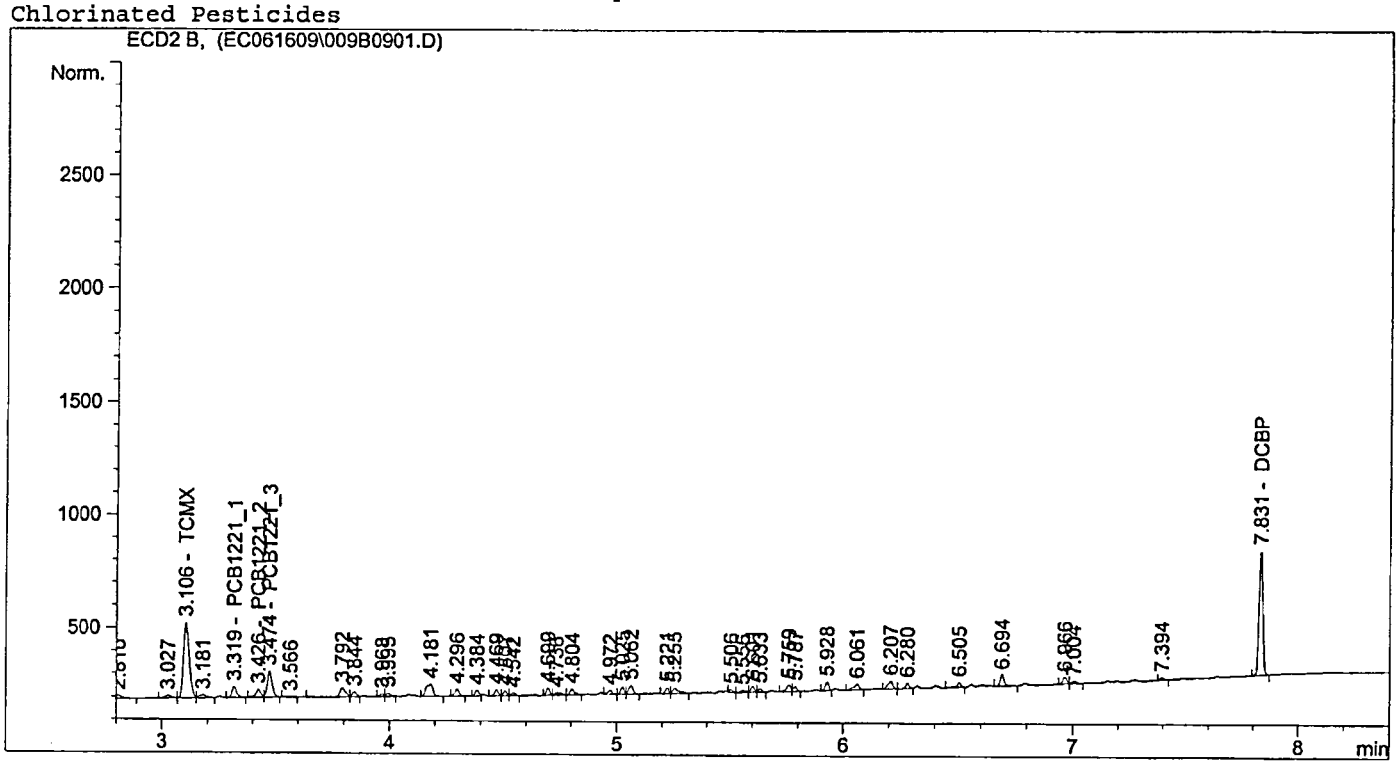
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1131.83484	1.03042e-2	11.66266		TCMX
3.319	VB	134.81822	8.06520e-1	108.73355		PCB1221_1
3.426	VV	93.75131	1.08858	102.05553		PCB1221_2
3.474	VB	334.08362	3.34162e-1	111.63808		PCB1221_3
6.890		-	-	-		DBC
7.830	BB	1227.84082	9.84715e-3	12.09073		DCBP
Totals :				346.18055		

BWS
6-17-09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:23:47 PM          Seq. Line :   9
Sample Name     : A1221 x40 ICAL                 Location : Vial 9
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	558.09558	1.41125e-2	7.87614		TCMX
3.319	VB	68.25873	9.12867e-1	62.31113		PCB1221_1
3.426	BV	54.14932	1.07733	58.33671		PCB1221_2
3.474	VB	171.69986	3.74752e-1	64.34483		PCB1221_3
6.890		-	-	-		DBC
7.831	BB	623.81079	1.30160e-2	8.11955		DCBP
Totals :				200.98835		

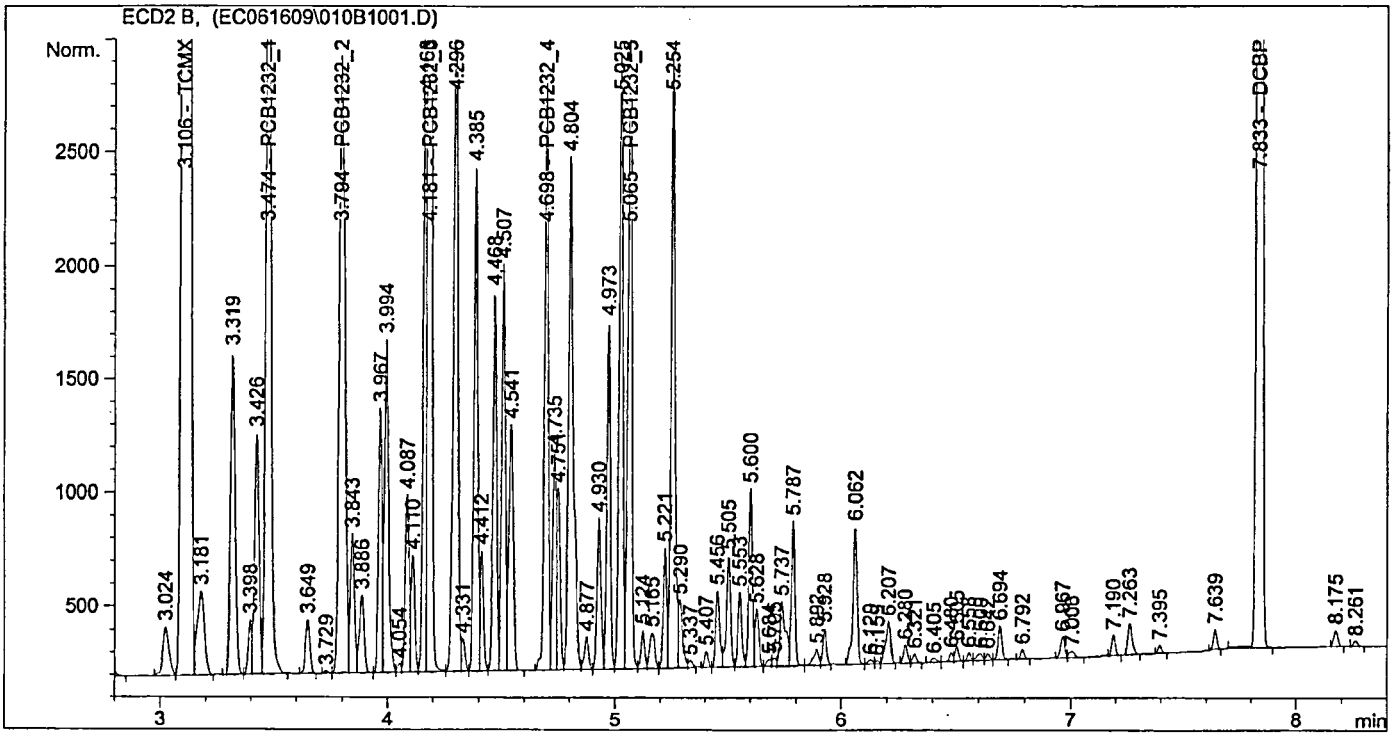
BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:36:37 PM          Seq. Line :  10
Sample Name     : A1232 x2000 ICAL               Location : Vial 10
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:21:24 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:21:22 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.07829e4	6.60592e-3	203.34925		TCMX
3.474	VB	5829.13086	3.47485e-1	2025.53436		PCB1232_1
3.794	VV	4788.60791	4.23154e-1	2026.31672		PCB1232_2
4.181	VV	7059.39648	2.64861e-1	1869.75795		PCB1232_3
4.698	PV	2918.44727	6.95111e-1	2028.64335		PCB1232_4
5.065	VV	3467.22461	5.85284e-1	2029.31203		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	3.08501e4	6.61224e-3	203.98829		DCBP

BWS
6-17-09

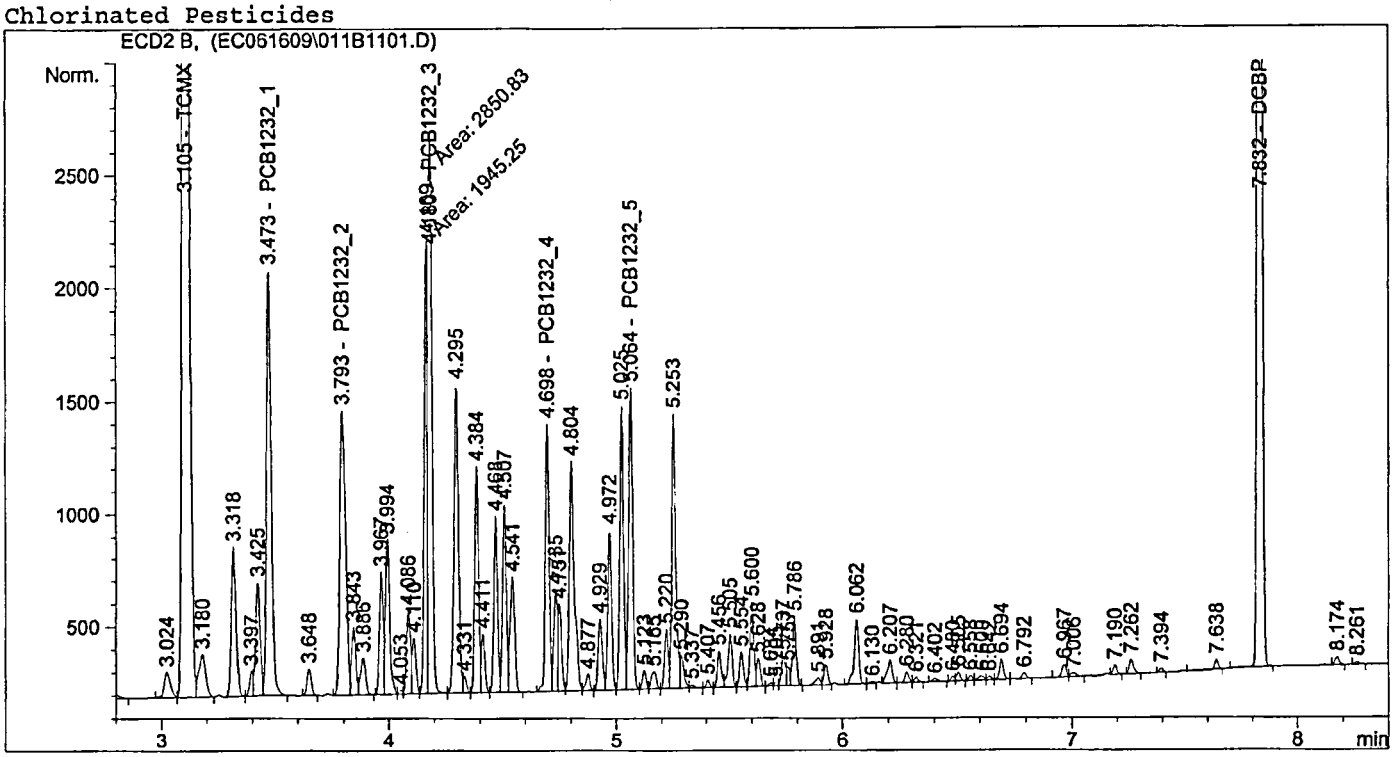
Totals : 1.03869e4

Results obtained with enhanced integrator!
1 Warnings or Errors :

Data File C:\HPCHEM\1\DATA\EC061609\011B1101.D

```
==================================================================
Injection Date  : 6/16/2009 4:49:25 PM          Seq. Line :  11
Sample Name     : A1232 x1000 ICAL               Location : Vial 11
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:22:06 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:22:04 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

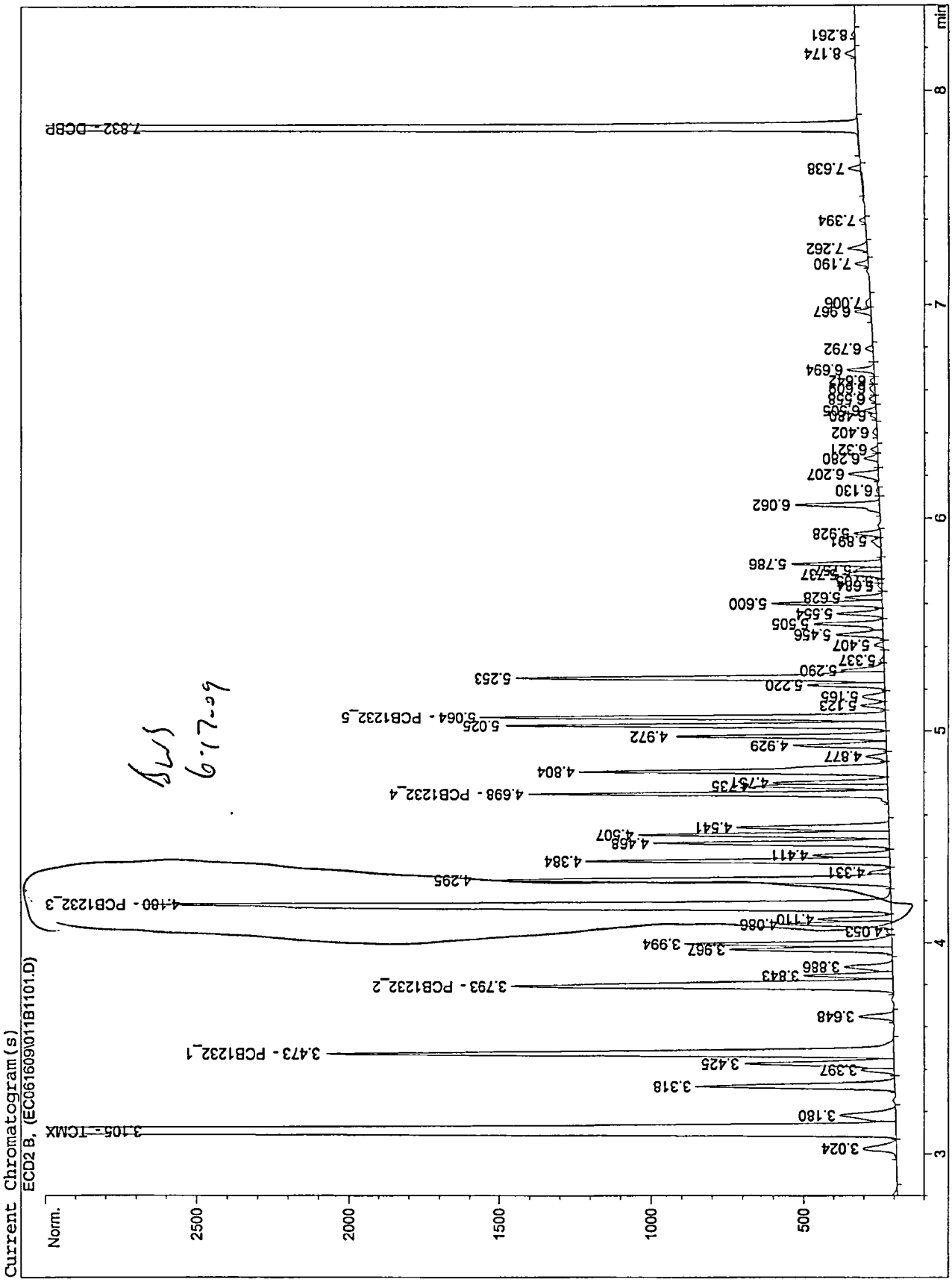
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	1.38047e4	6.81644e-3	94.09862		TCMX
3.473	VB	2691.67798	3.52963e-1	950.06210		PCB1232_1
3.793	VV	2218.20874	4.27105e-1	947.40858		PCB1232_2
4.180	FM	2850.83032	2.82281e-1	804.73630		PCB1232_3
4.698	PV	1341.82825	7.04198e-1	944.91323		PCB1232_4
5.064	VV	1594.22424	5.92052e-1	943.86407		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	1.36127e4	6.81968e-3	92.83438		DCBP

BWS
6-17-09

Totals : 4777.91728

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:22:06 AM BWS

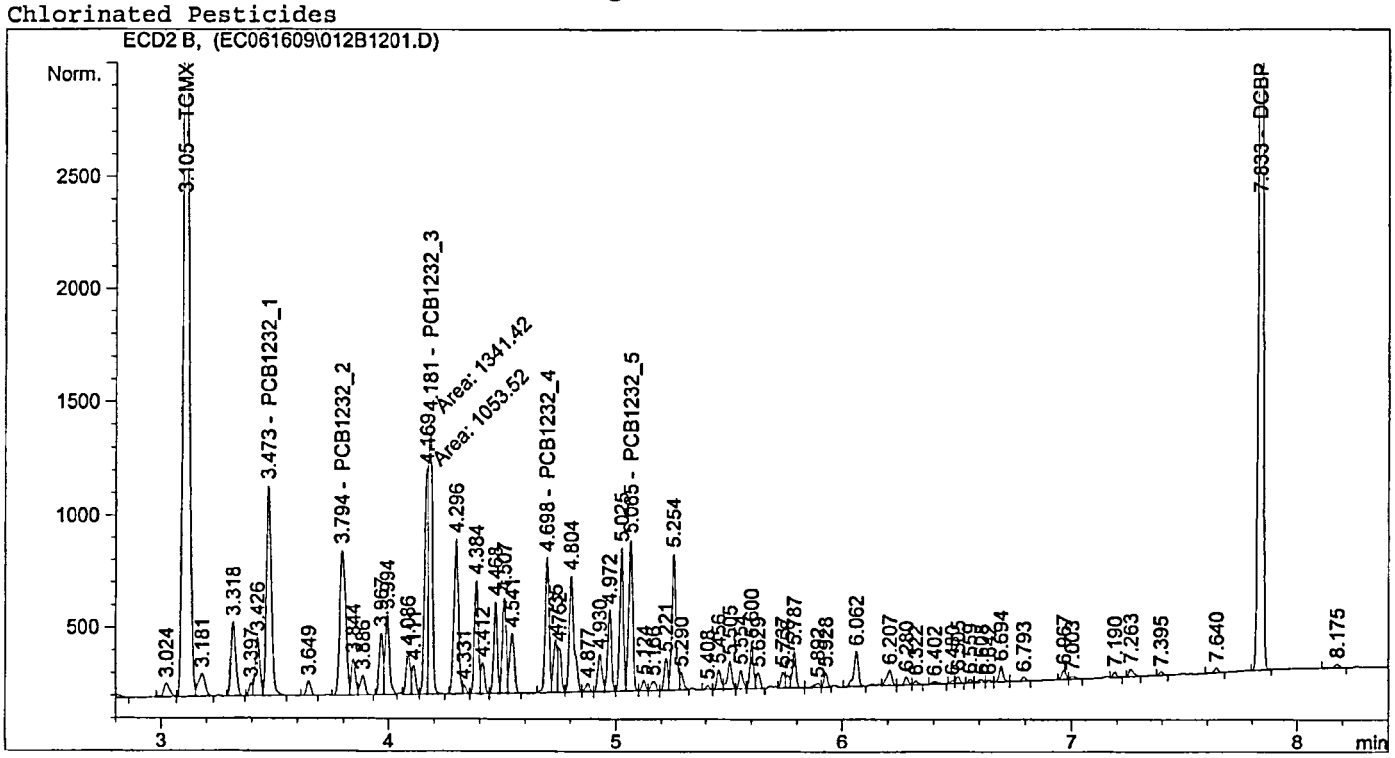

Current Chromatogram(s)
ECD2 B, (EC061609\011B1101.D)
Norm.
2500
2000
1500
1000
500
3.024
3.105 - TCMX
3.180
3.318
3.397
3.425
3.473 - PCB1232_1
3.648
3.793 - PCB1232_2
3.843
3.886
3.967
3.994
4.053
4.086
4.110
4.180 - PCB1232_3
4.295
4.331
4.384
4.411
4.458
4.507
4.541
4.698 - PCB1232_4
4.735
4.804
4.877
4.929
4.972
5.025
5.064 - PCB1232_5
5.123
5.165
5.220
5.253
5.290
5.337
5.407
5.456
5.505
5.554
5.600
5.628
5.684
5.737
5.786
5.891
5.928
6.062
6.130
6.207
6.280
6.321
6.402
6.480
6.505
6.558
6.609
6.642
6.694
6.792
6.967
7.005
7.190
7.262
7.394
7.638
7.832 - DCBP
8.174
8.261
3
4
5
6
7
8
min

6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\012B1201.D

```
==================================================================
Injection Date  : 6/16/2009 5:02:18 PM          Seq. Line :  12
Sample Name     : A1232 x500 ICAL                Location : Vial 12
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:22:55 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:22:52 AM
Multiplier             :      1.0000
Dilution               :      1.0000

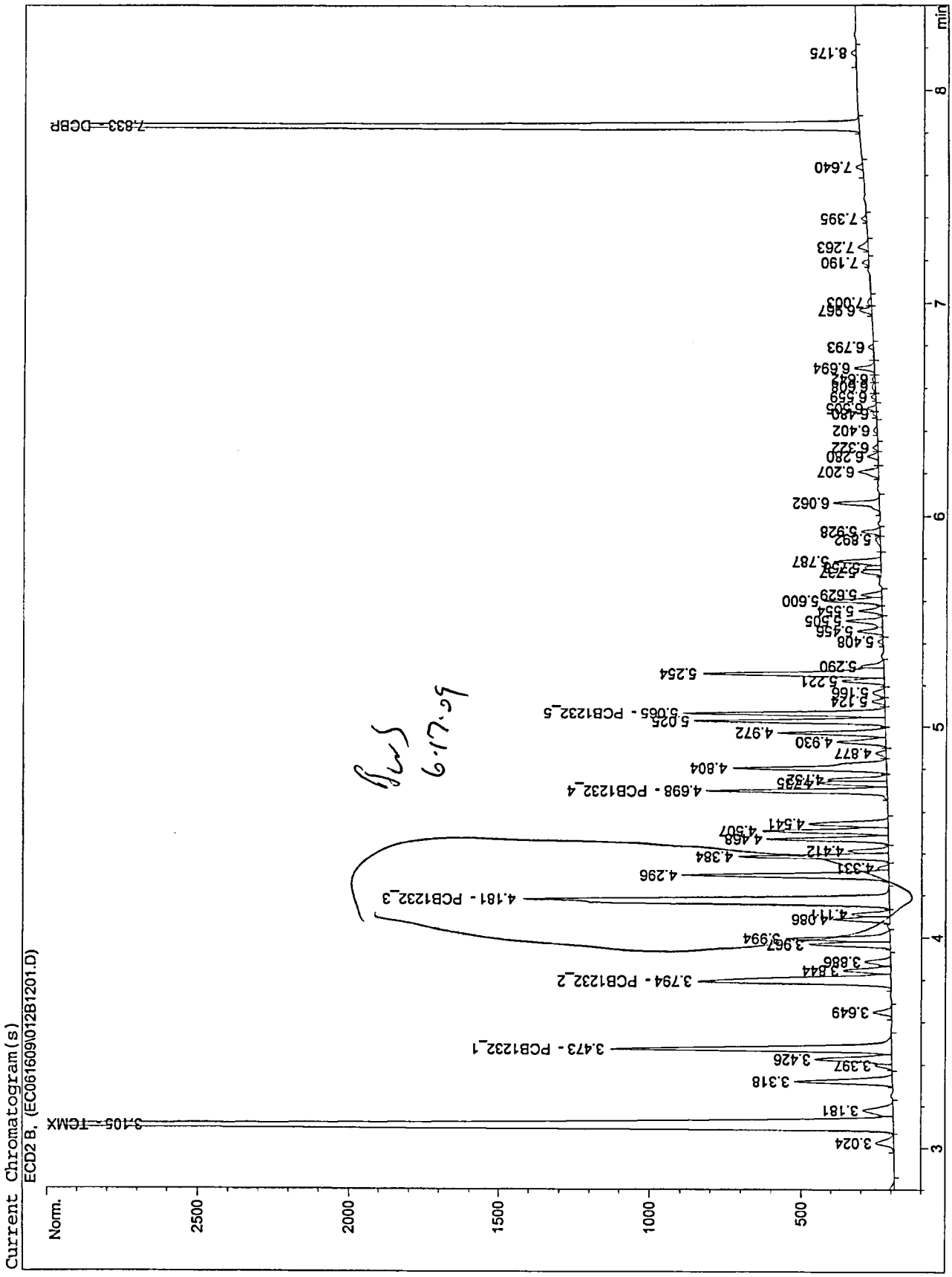
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	6693.57910	7.22193e-3	48.34053		TCMX
3.473	VB	1370.64856	3.62772e-1	497.23283		PCB1232_1
3.794	VV	1150.08057	4.33942e-1	499.06881		PCB1232_2
4.181	FM	1341.41992	3.06857e-1	411.62403		PCB1232_3
4.698	BV	687.42407	7.20213e-1	495.09149		PCB1232_4
5.065	VV	817.45380	6.03957e-1	493.70725		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	6673.33350	7.20574e-3	48.08628		DCBP
Totals :				2493.15122		

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

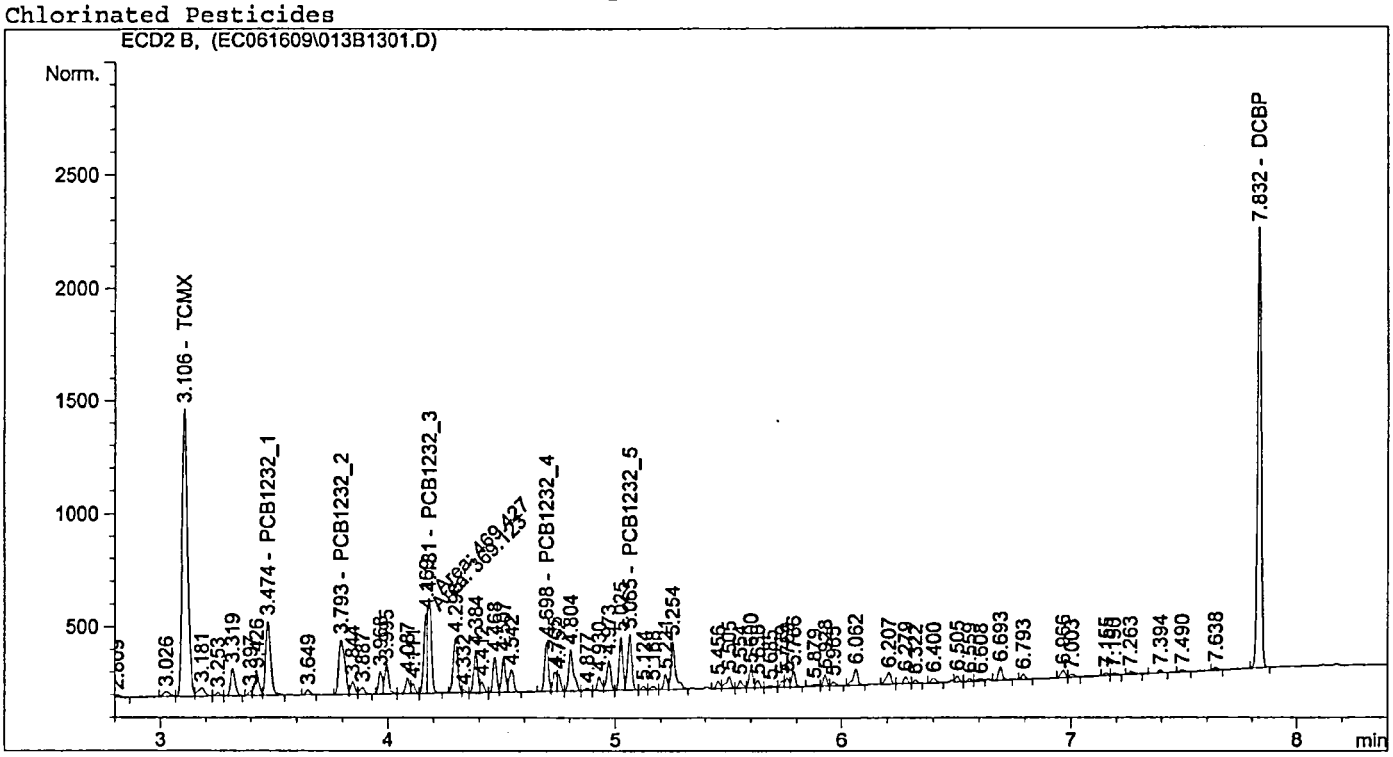
ECD2 6/17/2009 10:22:55 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\012B1201.D)
Nom.
2500
2000
1500
1000
500
3.024
3.105 - TCMX
3.181
3.318
3.397
3.426
3.473 - PCB1232_1
3.649
3.794 - PCB1232_2
3.844
3.886
3.967
3.994
4.086
4.181 - PCB1232_3
4.296
4.331
4.384
4.412
4.468
4.507
4.541
4.698 - PCB1232_4
4.735
4.804
4.877
4.930
4.972
5.025
5.065 - PCB1232_5
5.124
5.160
5.221
5.254
5.290
5.408
5.455
5.505
5.554
5.629
5.600
5.757
5.787
5.892
5.928
6.062
6.207
6.280
6.322
6.402
6.480
6.505
6.559
6.608
6.647
6.694
6.793
6.867
7.003
7.190
7.263
7.395
7.640
7.833 - DCBP
8.175
min
3
4
5
6
7
8

Data File C:\HPCHEM\1\DATA\EC061609\013B1301.D

```
==================================================================
Injection Date  : 6/16/2009 5:15:06 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:23:32 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:23:30 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2110.25537	8.93160e-3	18.84795		TCMX
3.474	VB	486.65030	3.99078e-1	194.21135		PCB1232_1
3.793	BV	427.34033	4.57957e-1	195.70335		PCB1232_2
4.181	FM	469.42694	3.87568e-1	181.93497		PCB1232_3
4.698	PV	247.69260	7.78508e-1	192.83062		PCB1232_4
5.065	VB	301.99167	6.45663e-1	194.98477		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	2197.49219	8.74824e-3	19.22420		DCBP

BWS
6.17.09

Totals : 997.73721

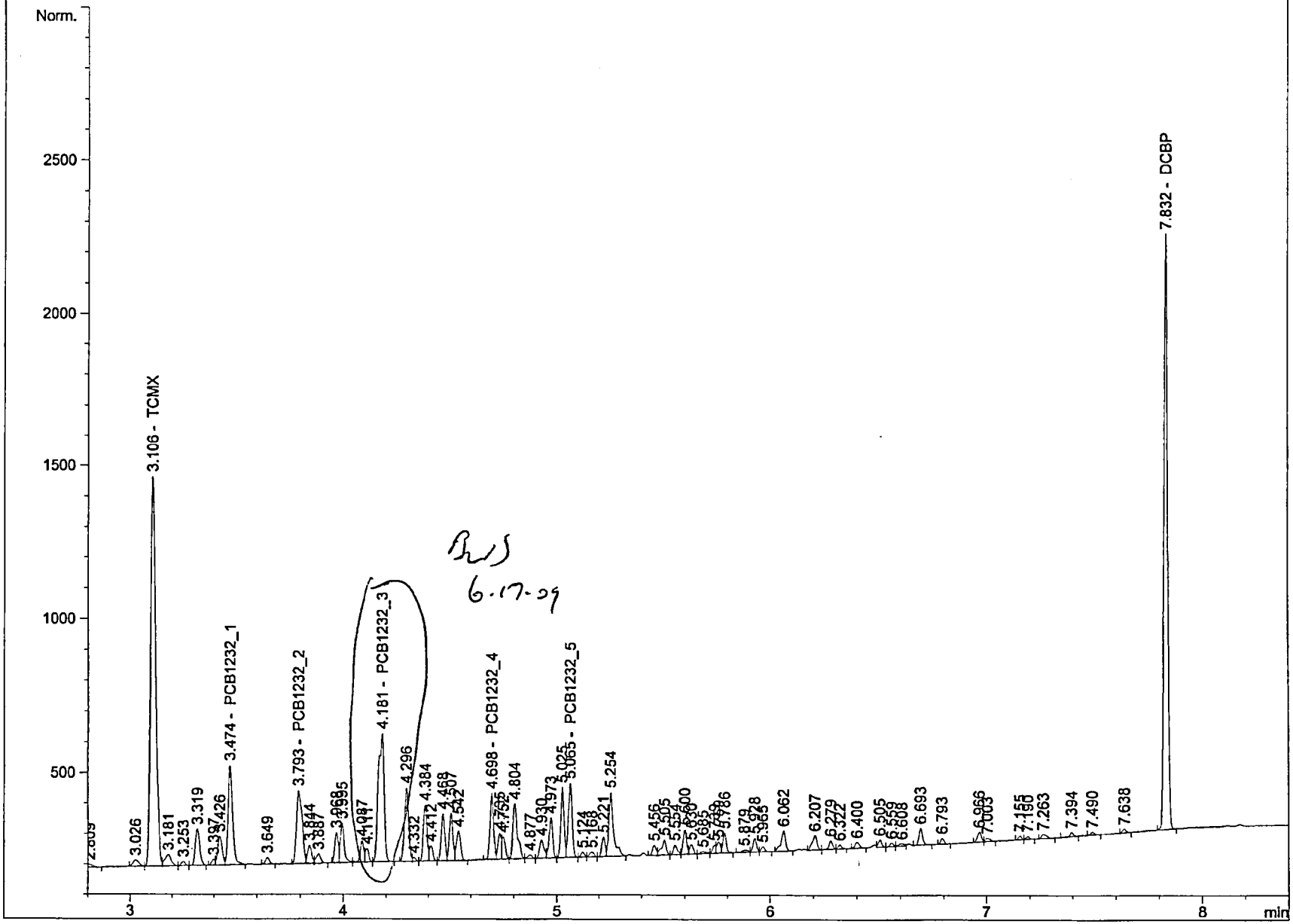
Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:23:32 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

ECD2 B, (EC061609\013B1301.D)

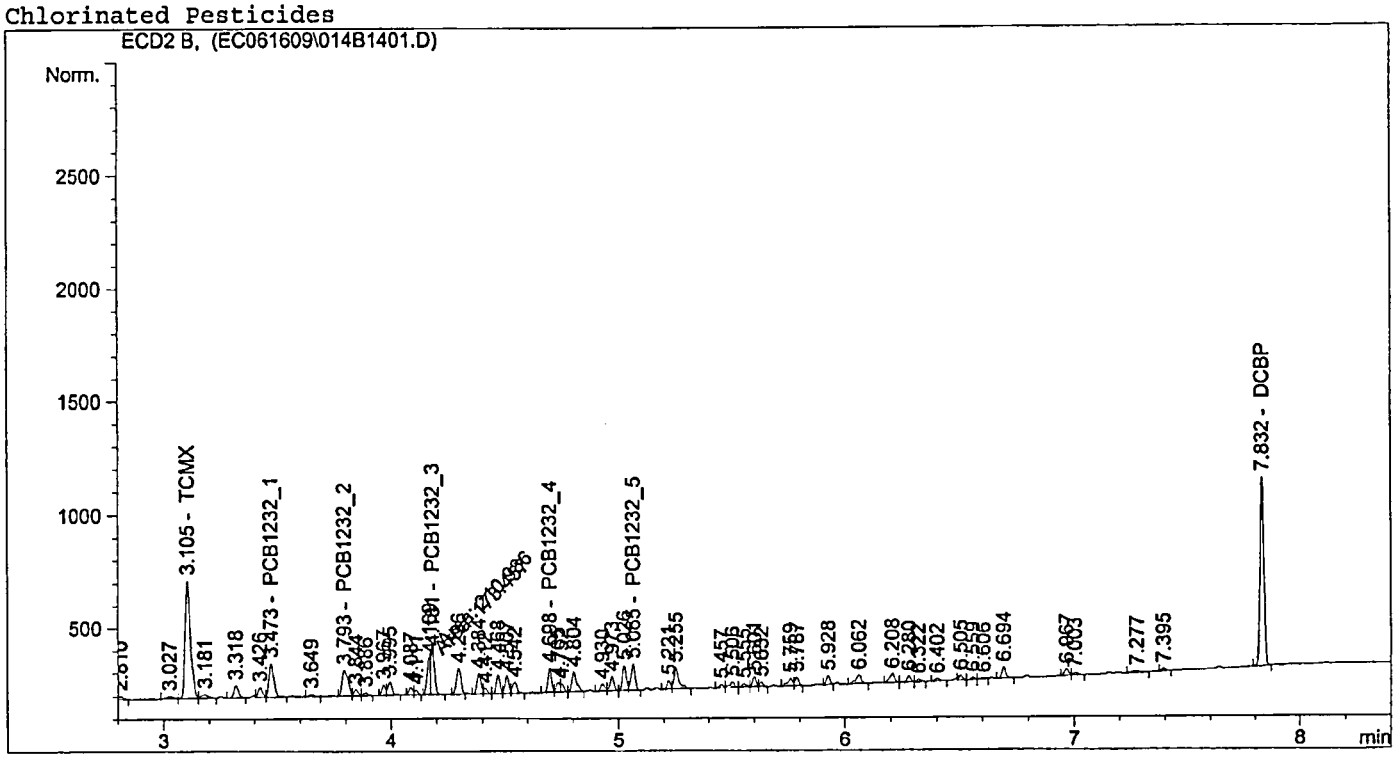


ECD2 6/17/2009 10:23:10 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\014B1401.D

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  14
Sample Name     : A1232 x100 ICAL                Location : Vial 14
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:24:15 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:24:13 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	860.78107	1.25559e-2	10.80789		TCMX
3.473	VB	216.28876	4.69444e-1	101.53543		PCB1232_1
3.793	BV	200.24164	5.01295e-1	100.38017		PCB1232_2
4.181	FM	210.98586	5.72392e-1	120.76666		PCB1232_3
4.698	BV	116.21473	8.81608e-1	102.45588		PCB1232_4
5.065	VV	142.00189	7.20180e-1	102.26692		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	938.60114	1.18329e-2	11.10635		DCBP

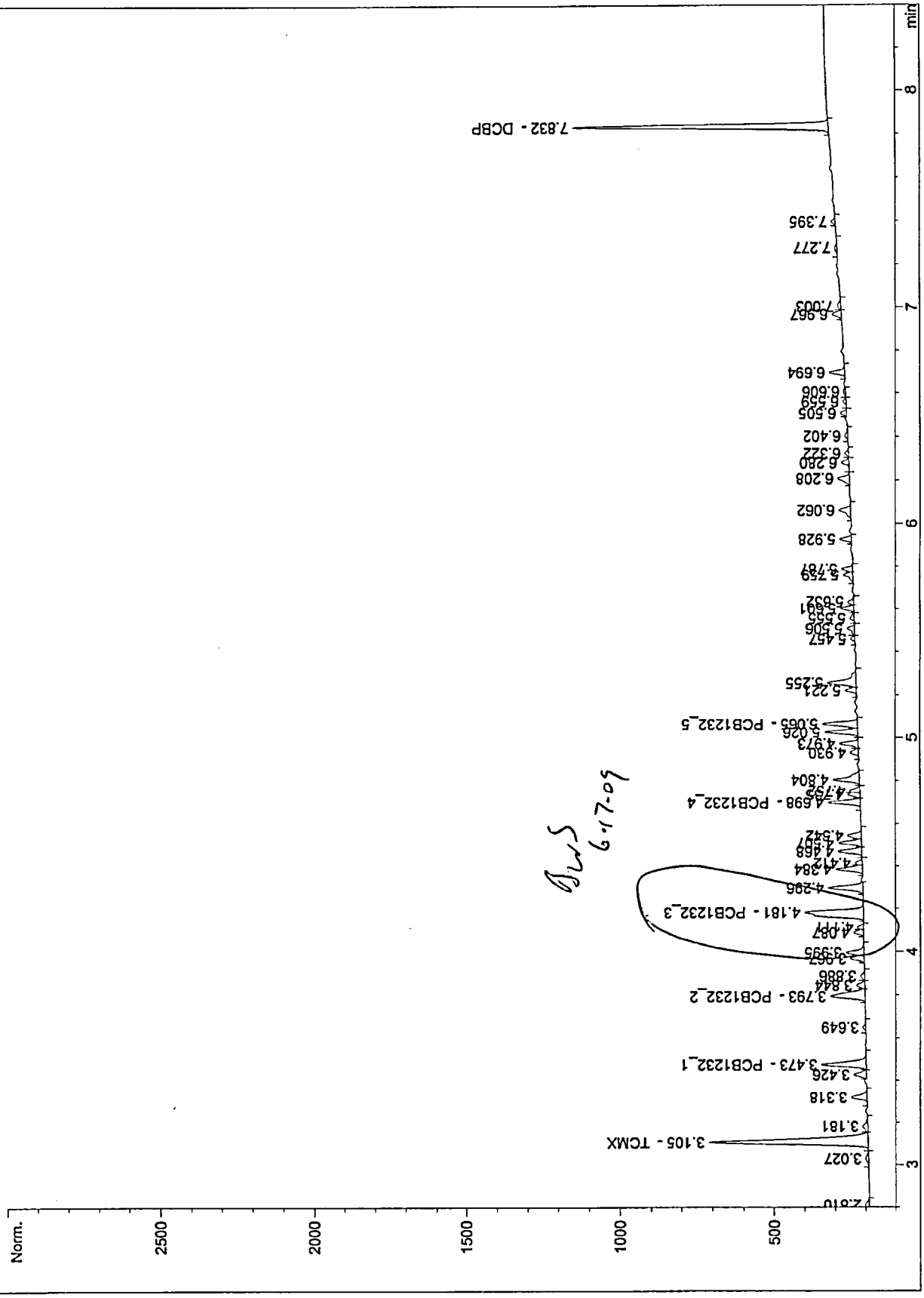
Totals : 549.31928

BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:24:15 AM BWS

Current Chromatogram(s)
ECD2 B, (EC061609\014B1401.D)

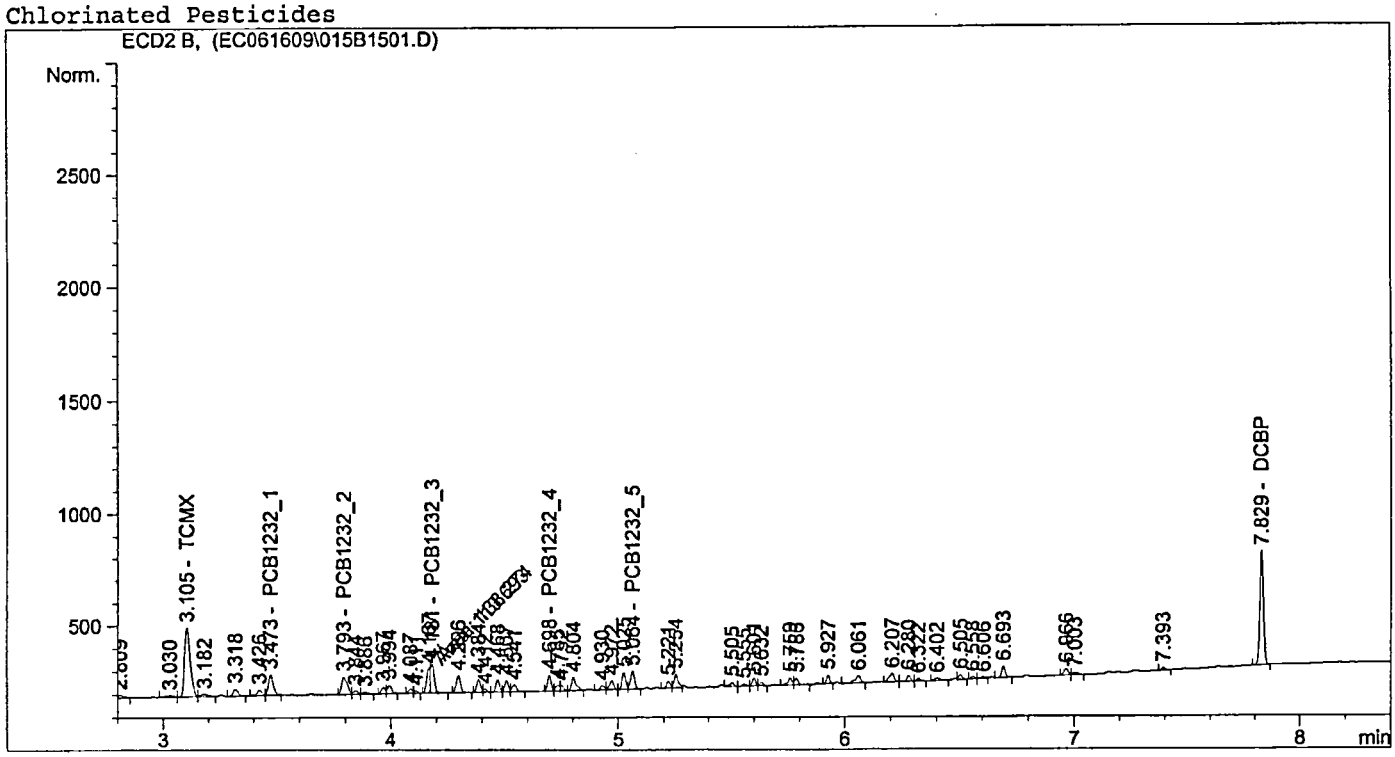


6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\015B1501.D

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  15
Sample Name     : A1232 x40 ICAL                 Location : Vial 15
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:25:01 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	510.78622	1.67502e-2	8.55576		TCMX
3.473	VB	128.44514	5.56066e-1	71.42394		PCB1232_1
3.793	BV	130.53764	5.44842e-1	71.12238		PCB1232_2
4.181	FM	138.27422	7.88967e-1	109.09385		PCB1232_3
4.698	BV	77.82170	9.77432e-1	76.06543		PCB1232_4
5.064	VV	96.44386	7.86623e-1	75.86496		PCB1232_5
6.889		-	-	-		DBC
7.829	BB	574.81494	1.52406e-2	8.76050		DCBP

BWS
6-17-09

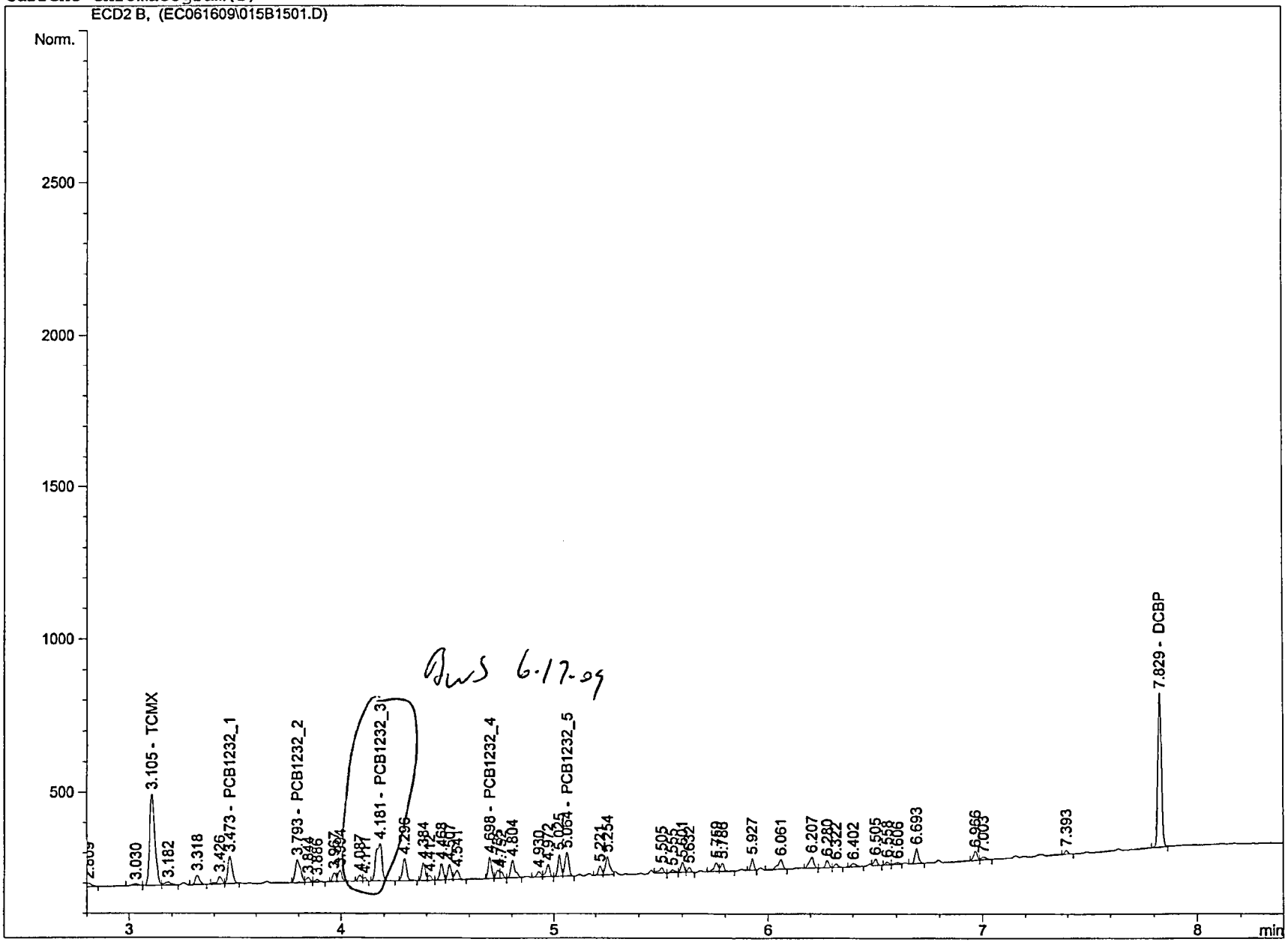
Totals : 420.88682

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:25:01 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

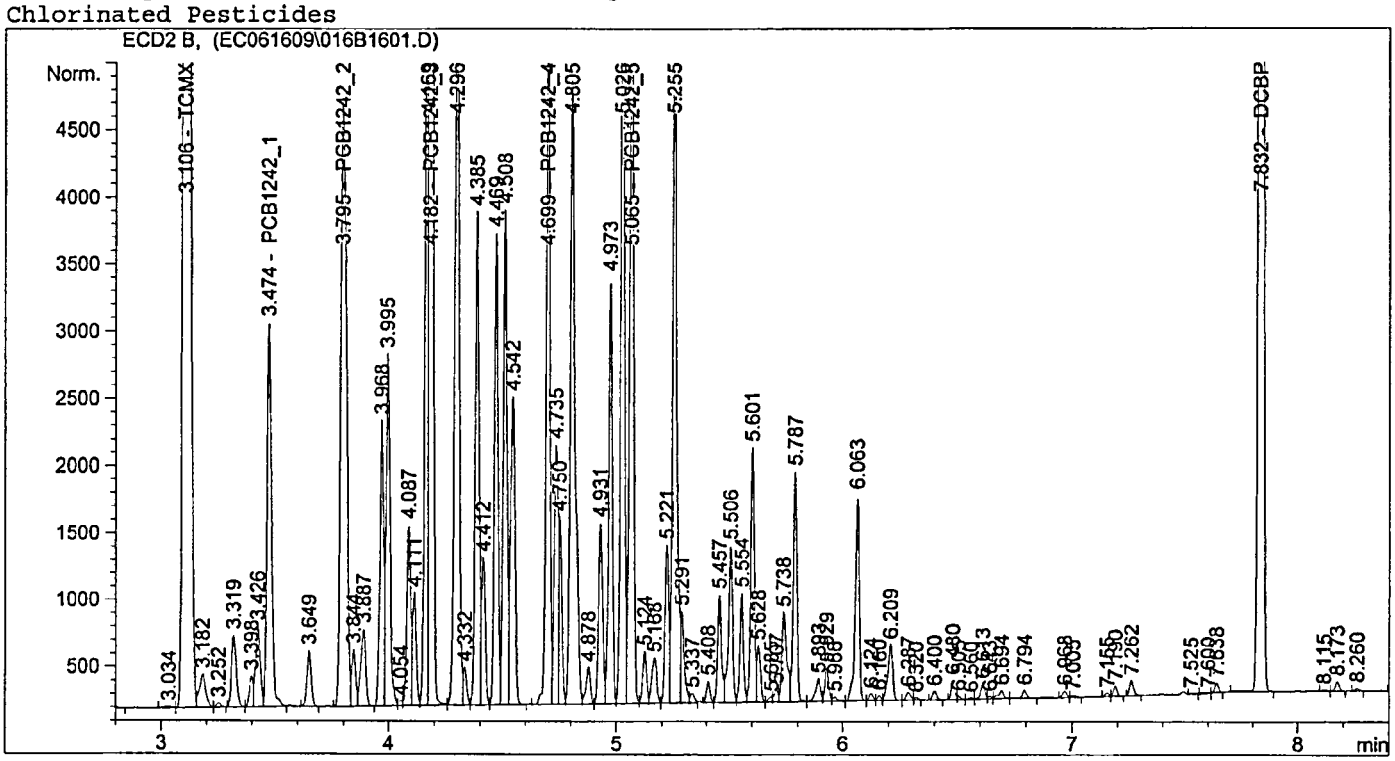


ECD2 6/17/2009 10:24:40 AM BWS

==========

Injection Date : 6/16/2009 5:53:50 PM Seq. Line : 16
Sample Name : A1242 x2000 ICAL Location : Vial 16
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2.92767e4	6.85742e-3	200.76221		TCMX
3.474	VV	3962.70728	5.03467e-1	1995.09090		PCB1242_1
3.795	VV	7946.29199	2.51169e-1	1995.86526		PCB1242_2
4.182	VV	1.24689e4	1.59461e-1	1988.29808		PCB1242_3
4.699	VV	5915.20605	3.38749e-1	2003.76734		PCB1242_4
5.065	VV	7151.57080	2.80370e-1	2005.08372		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2.90941e4	6.91610e-3	201.21788		DCBP

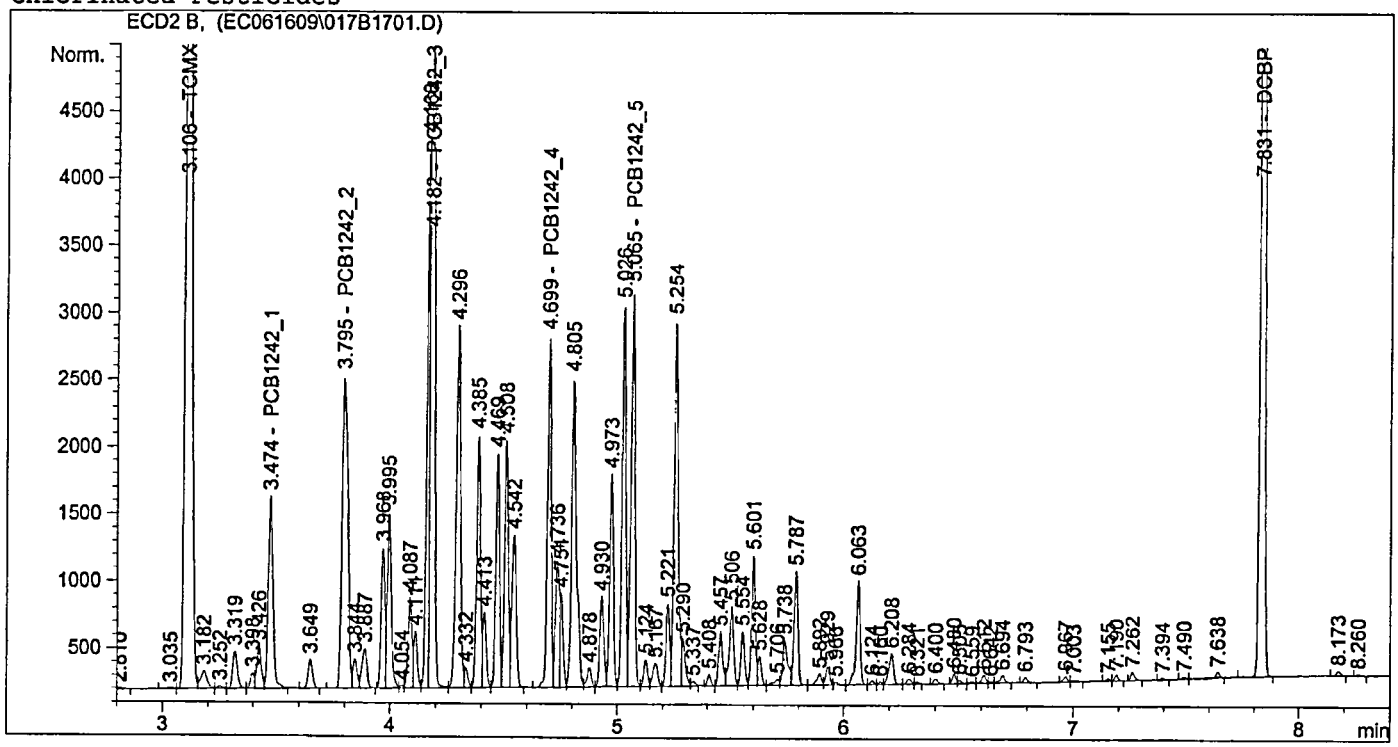
Totals : 1.03901e4

BWS
6·17·09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:06:49 PM          Seq. Line :  17
Sample Name     : A1242 x1000 ICAL               Location : Vial 17
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.43929e4	6.97046e-3	100.32491		TCMX
3.474	VV	2033.83032	5.02091e-1	1021.16886		PCB1242_1
3.795	BV	4071.44067	2.50321e-1	1019.16534		PCB1242_2
4.182	VV	6488.69141	1.60779e-1	1043.24213		PCB1242_3
4.699	VV	2958.26978	3.40681e-1	1007.82652		PCB1242_4
5.065	VV	3563.59204	2.82173e-1	1005.54971		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	1.41855e4	7.01620e-3	99.52838		DCBP

BWS
6.17.09

Totals : 5296.80584

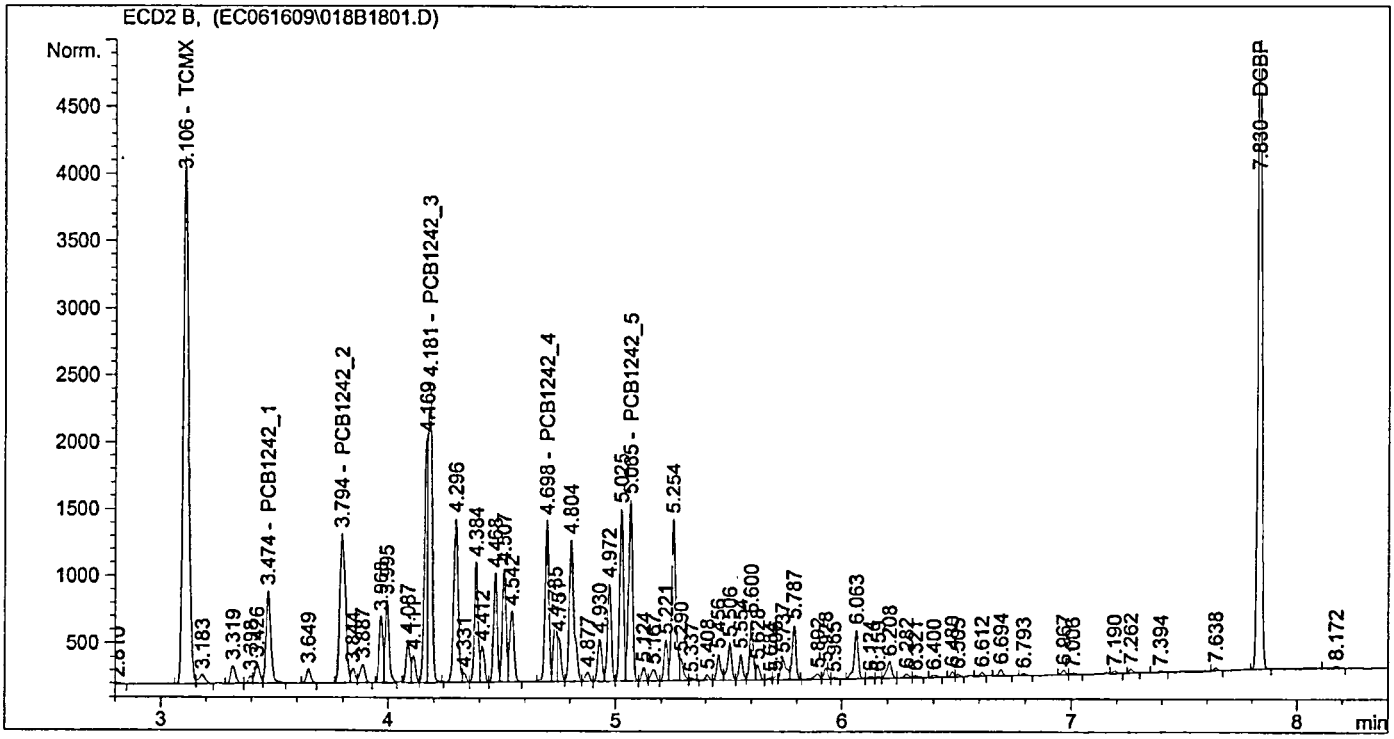
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 6:19:35 PM Seq. Line : 18
Sample Name : A1242 x500 ICAL Location : Vial 18
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6394.96143	7.24856e-3	46.35427		TCMX
3.474	VB	960.01599	4.98931e-1	478.98215		PCB1242_1
3.794	BV	1938.76562	2.48406e-1	481.60057		PCB1242_2
4.181	VB	2829.96143	1.64330e-1	465.04890		PCB1242_3
4.698	BV	1360.82581	3.45219e-1	469.78325		PCB1242_4
5.065	VV	1634.49902	2.86415e-1	468.14573		PCB1242_5
6.888		-	-	-		DBC
7.830	BB	6329.30811	7.25866e-3	45.94230		DCBP

Totals : 2455.85717

BWS
6.17.09

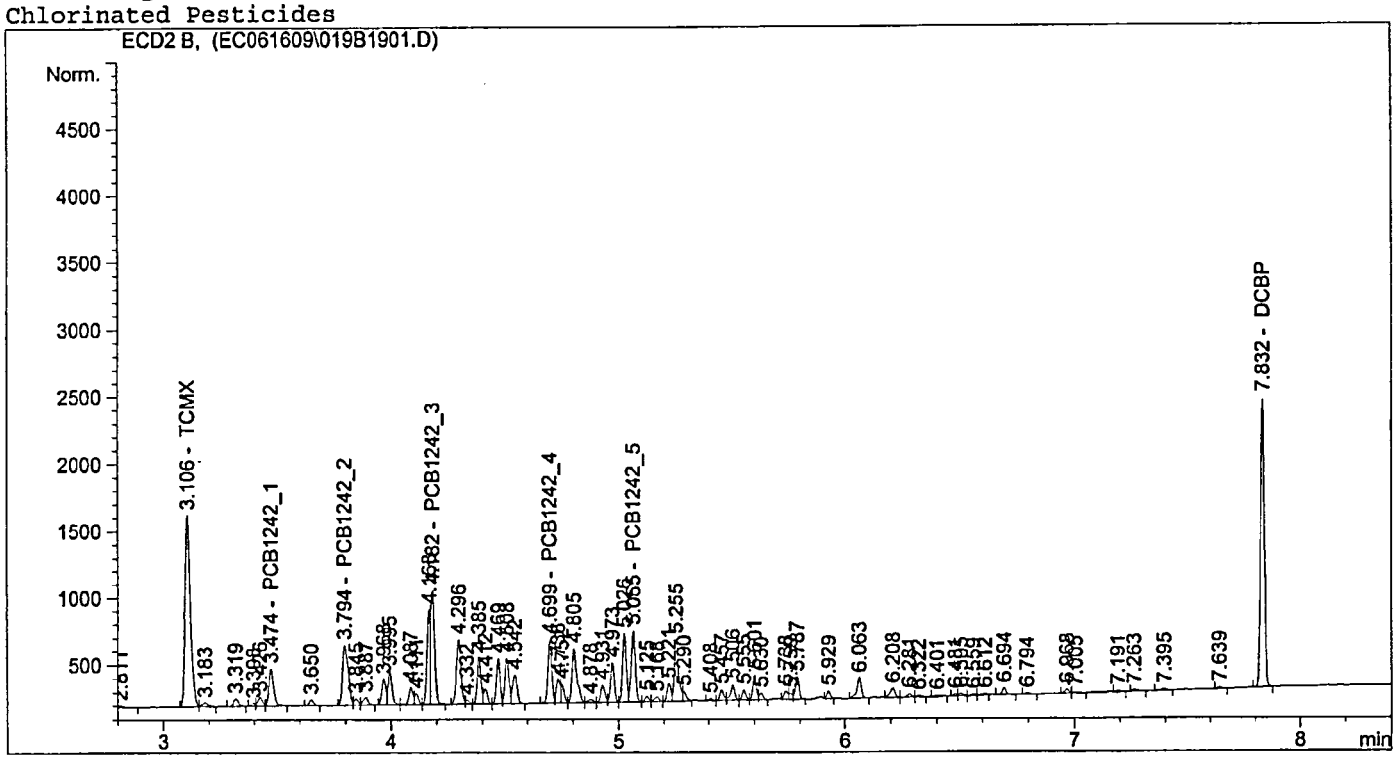
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 6:32:31 PM Seq. Line : 19
Sample Name : A1242 x200 ICAL Location : Vial 19
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	2328.82739	8.12237e-3	18.91559		TCMX
3.474	VB	395.39301	4.90385e-1	193.89462		PCB1242_1
3.794	BV	780.13617	2.42977e-1	189.55496		PCB1242_2
4.182	VB	1045.23547	1.75087e-1	183.00664		PCB1242_3
4.699	BV	536.12469	3.58147e-1	192.01145		PCB1242_4
5.065	VV	648.73181	2.98324e-1	193.53211		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2407.47168	7.97184e-3	19.19199		DCBP

Totals : 990.10736

BWS
6-17-09

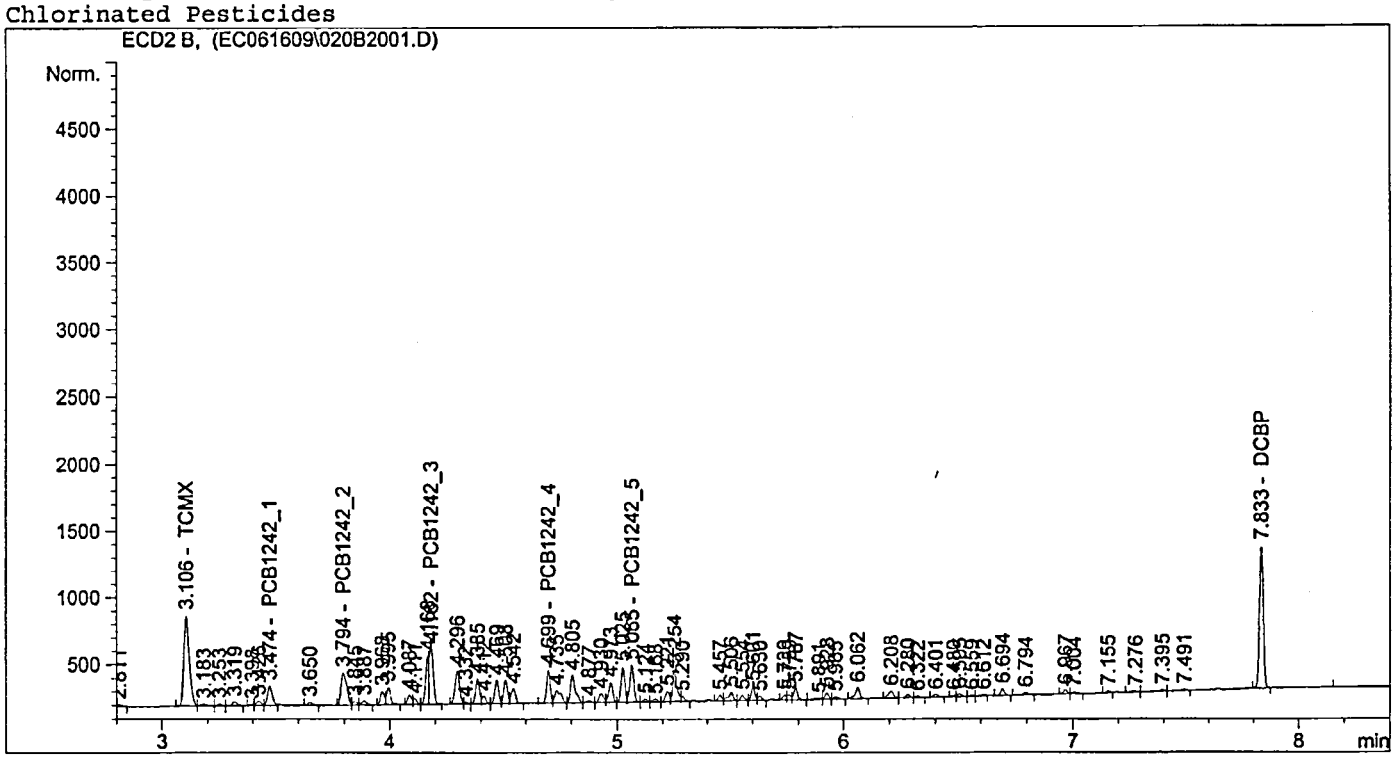
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 6:45:23 PM Seq. Line : 20
Sample Name : A1242 x100 ICAL Location : Vial 20
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1118.03540	9.61065e-3	10.74505		TCMX
3.474	VV	207.61044	4.77240e-1	99.08008		PCB1242_1
3.794	BV	414.28751	2.34954e-1	97.33869		PCB1242_2
4.182	VB	543.15674	1.90852e-1	103.66257		PCB1242_3
4.699	VV	276.82047	3.78129e-1	104.67387		PCB1242_4
5.065	VV	336.67703	3.16625e-1	106.60033		PCB1242_5
6.888		-	-	-		DBC
7.833	BB	1210.19702	9.11054e-3	11.02554		DCBP

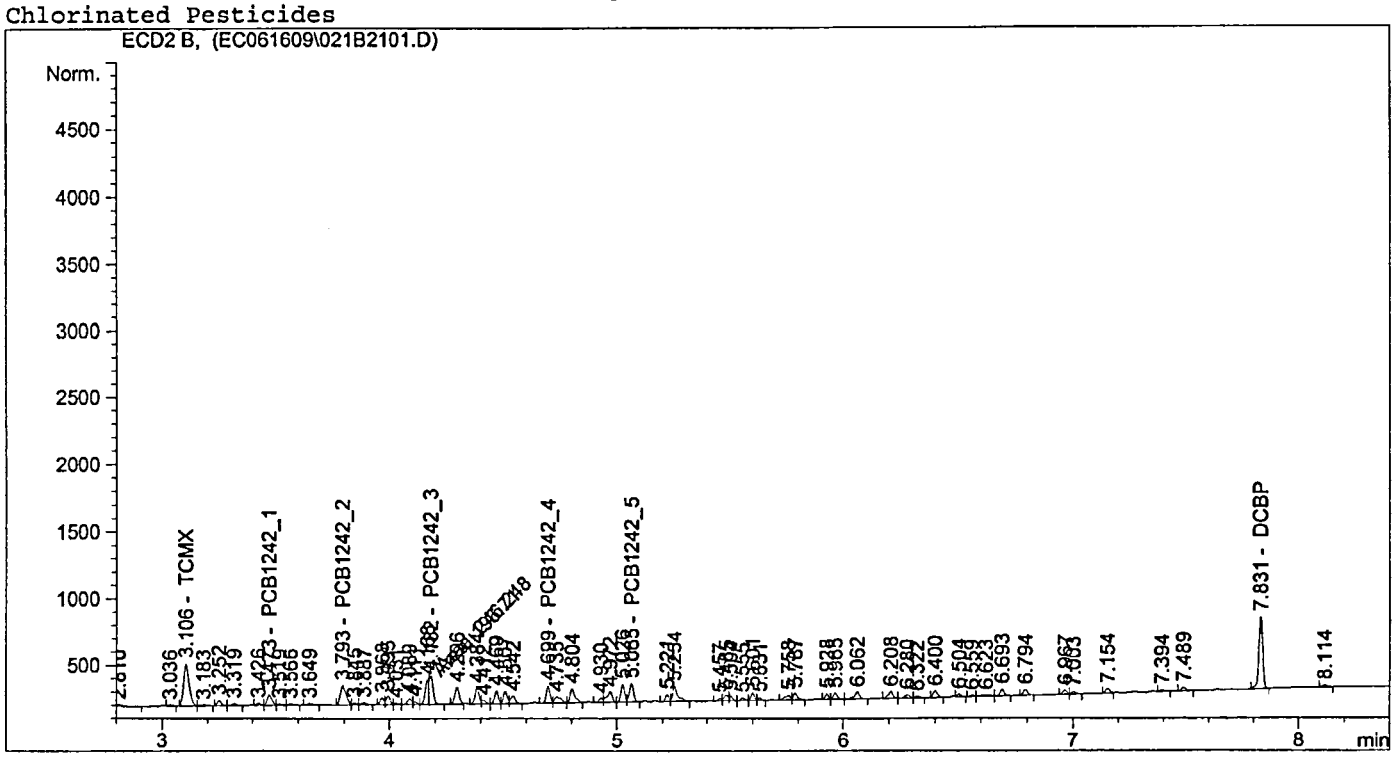
Totals : 533.12613

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:58:15 PM          Seq. Line :  21
Sample Name     : A1242 x40 ICAL                 Location : Vial 21
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

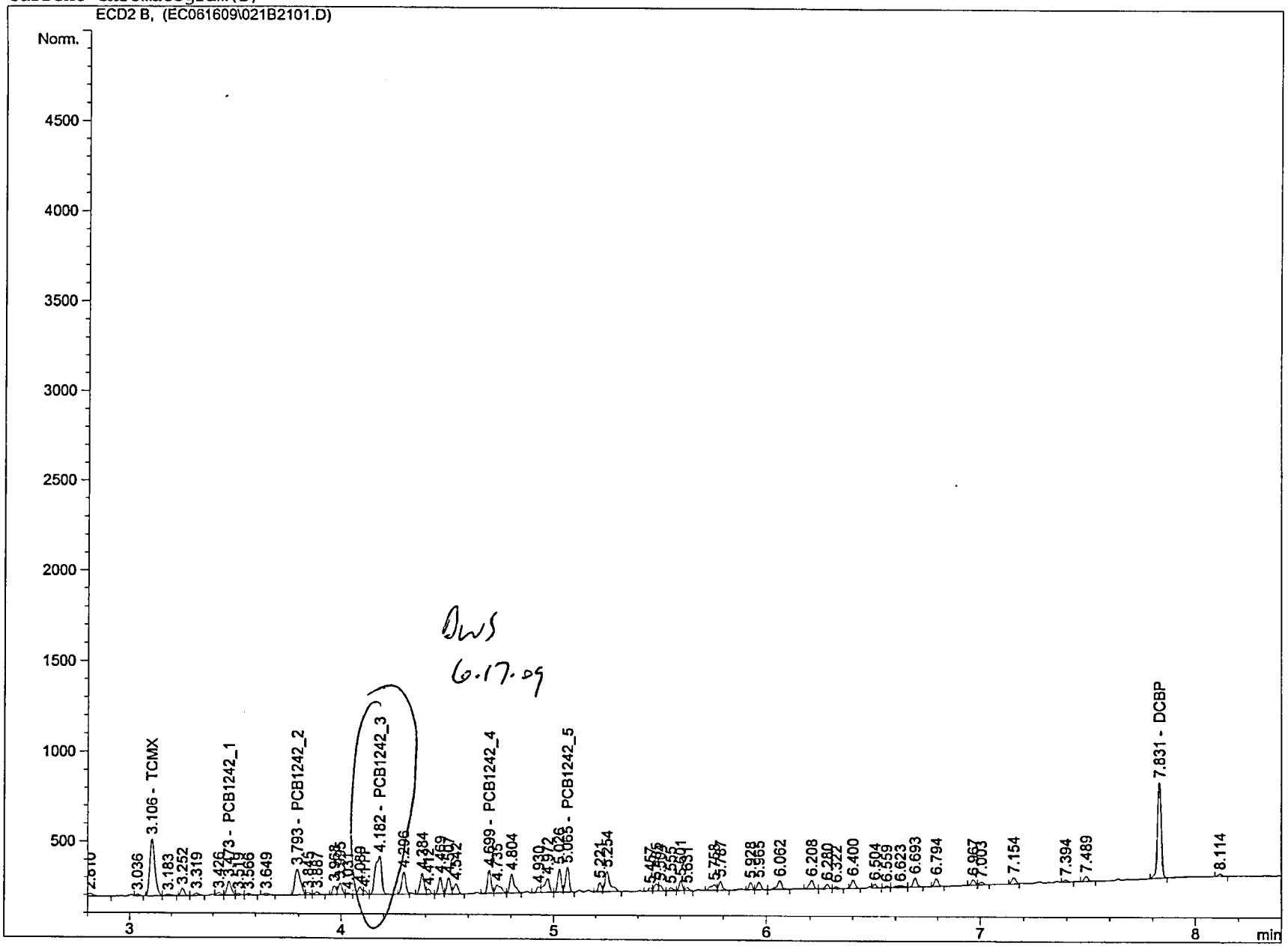
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	547.93732	1.25890e-2	6.89797		TCMX
3.473	VV	113.93815	4.54487e-1	51.78338		PCB1242_1
3.793	BV	252.17020	2.23957e-1	56.47519		PCB1242_2
4.182	FM	246.24762	2.30425e-1	56.74168		PCB1242_3
4.699	VV	149.93695	4.13091e-1	61.93758		PCB1242_4
5.065	VB	173.30504	3.52491e-1	61.08840		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	633.78406	1.11929e-2	7.09391		DCBP
Totals :				302.01812		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :
```

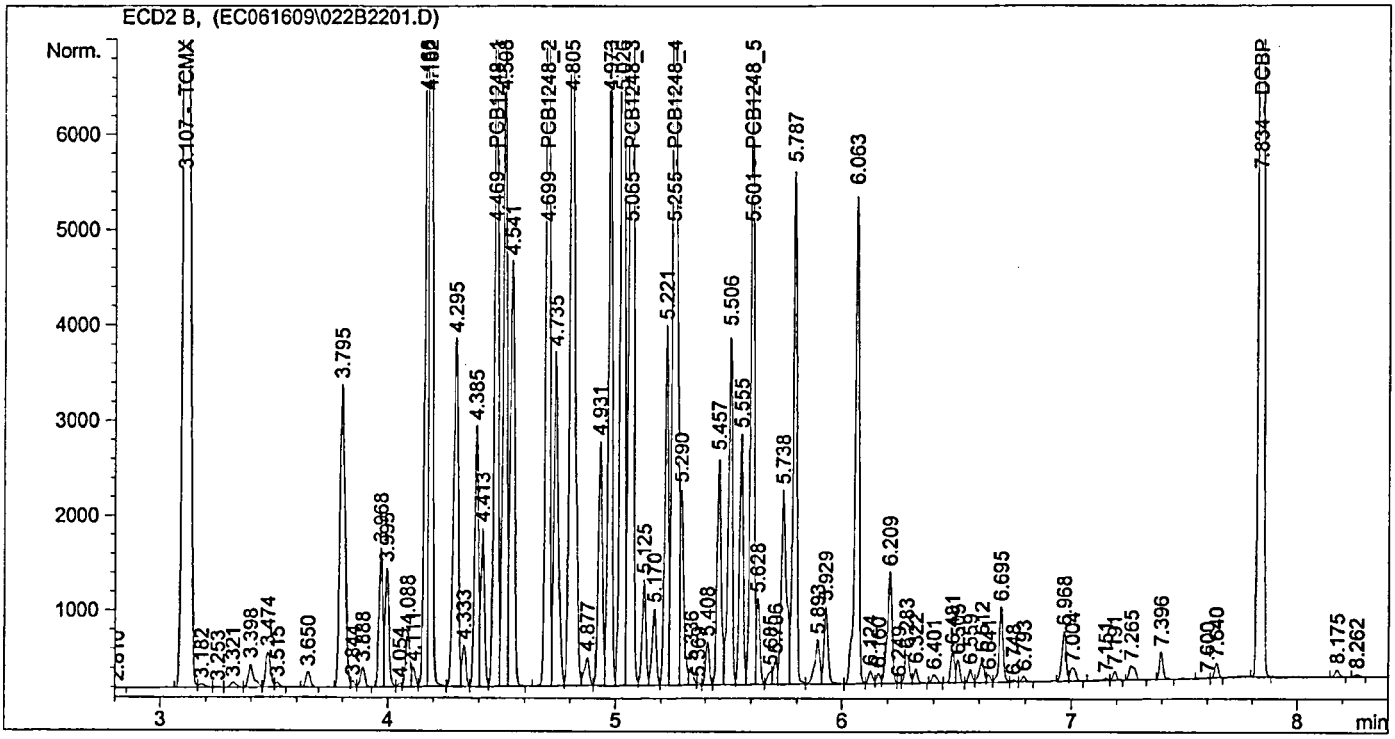
Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)



ECD2 6/17/2009 9:14:19 AM BWS

```
==================================================================
Injection Date  : 6/16/2009 7:11:15 PM          Seq. Line :  22
Sample Name     : A1248 x2000 ICAL               Location : Vial 22
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	3.08251e4	6.58618e-3	203.01976		TCMX
4.469	VV	8806.67773	2.29913e-1	2024.77376		PCB1248_1
4.699	VV	1.18361e4	1.71744e-1	2032.77617		PCB1248_2
5.065	VV	1.71860e4	1.17833e-1	2025.08547		PCB1248_3
5.255	VV	1.71760e4	1.18112e-1	2028.69103		PCB1248_4
5.601	VV	7110.13770	2.85328e-1	2028.71889		PCB1248_5
6.887		-	-	-		DBC
7.834	VP	3.05506e4	6.65094e-3	203.19030		DCBP

BWS
6.17.09

Totals : 1.05463e4

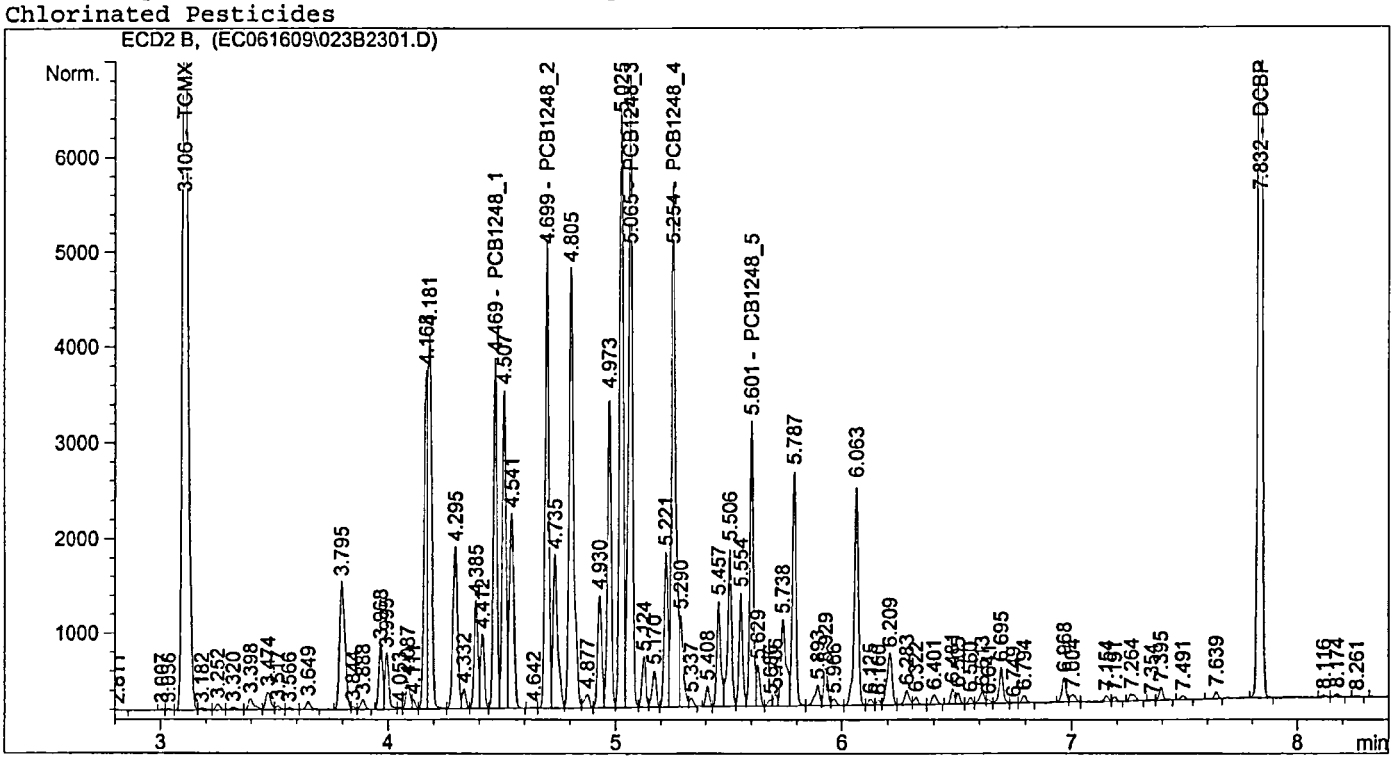
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 7:24:05 PM Seq. Line : 23
Sample Name : A1248 x1000 ICAL Location : Vial 23
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.40913e4	6.80030e-3	95.82514		TCMX
4.469	VV	4111.20459	2.34822e-1	965.40007		PCB1248_1
4.699	VV	5394.39160	1.76085e-1	949.86968		PCB1248_2
5.065	VV	7994.77148	1.20778e-1	965.59574		PCB1248_3
5.254	VV	7896.04150	1.21496e-1	959.33850		PCB1248_4
5.601	VV	3272.71558	2.93019e-1	958.96702		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	1.39587e4	6.84358e-3	95.52761		DCBP

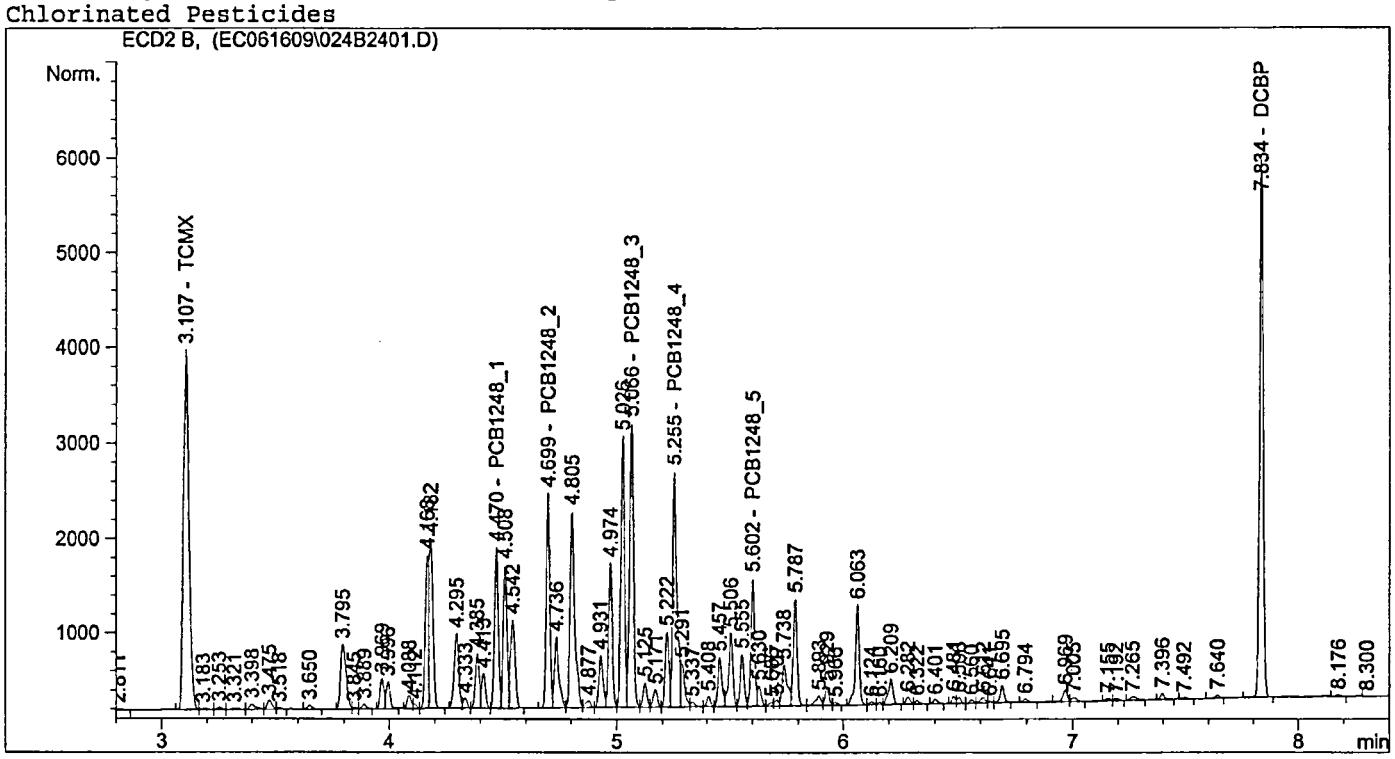
BWS
6.17.09

Totals : 4990.52377

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 7:37:02 PM          Seq. Line :  24
Sample Name     : A1248 x500 ICAL                Location : Vial 24
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	6300.57422	7.28801e-3	45.91865		TCMX
4.470	VV	1901.68494	2.45518e-1	466.89717		PCB1248_1
4.699	VV	2512.91968	1.85230e-1	465.46735		PCB1248_2
5.066	VV	3658.34595	1.27306e-1	465.72899		PCB1248_3
5.255	VV	3585.53442	1.29026e-1	462.62656		PCB1248_4
5.602	VV	1494.21899	3.09980e-1	463.17845		PCB1248_5
6.887		-	-	-		DBC
7.834	BB	6299.68750	7.27482e-3	45.82909		DCBP

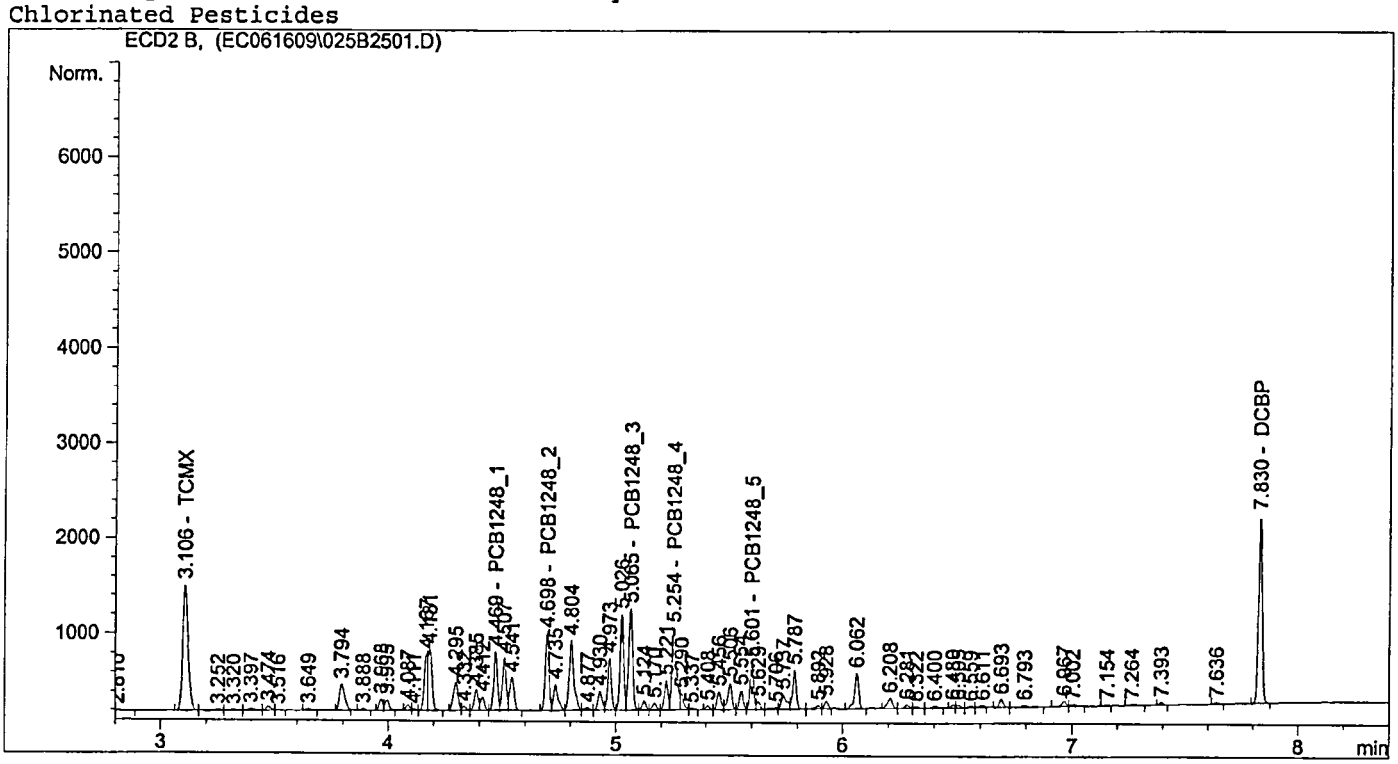
Totals : 2415.64627

BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 7:49:47 PM          Seq. Line :  25
Sample Name     : A1248 x200 ICAL                Location : Vial 25
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VB	2148.92798	8.99228e-3	19.32375		TCMX
4.469	VV	701.99823	2.79529e-1	196.22870		PCB1248_1
4.698	PV	905.80774	2.15605e-1	195.29683		PCB1248_2
5.065	VV	1303.56958	1.49045e-1	194.29013		PCB1248_3
5.254	VV	1268.16577	1.54230e-1	195.58961		PCB1248_4
5.601	VV	535.51013	3.65858e-1	195.92075		PCB1248_5
6.887		-	-	-		DBC
7.830	BB	2213.60352	8.72560e-3	19.31501		DCBP

Totals : 1015.96479

BWS
6.17.09

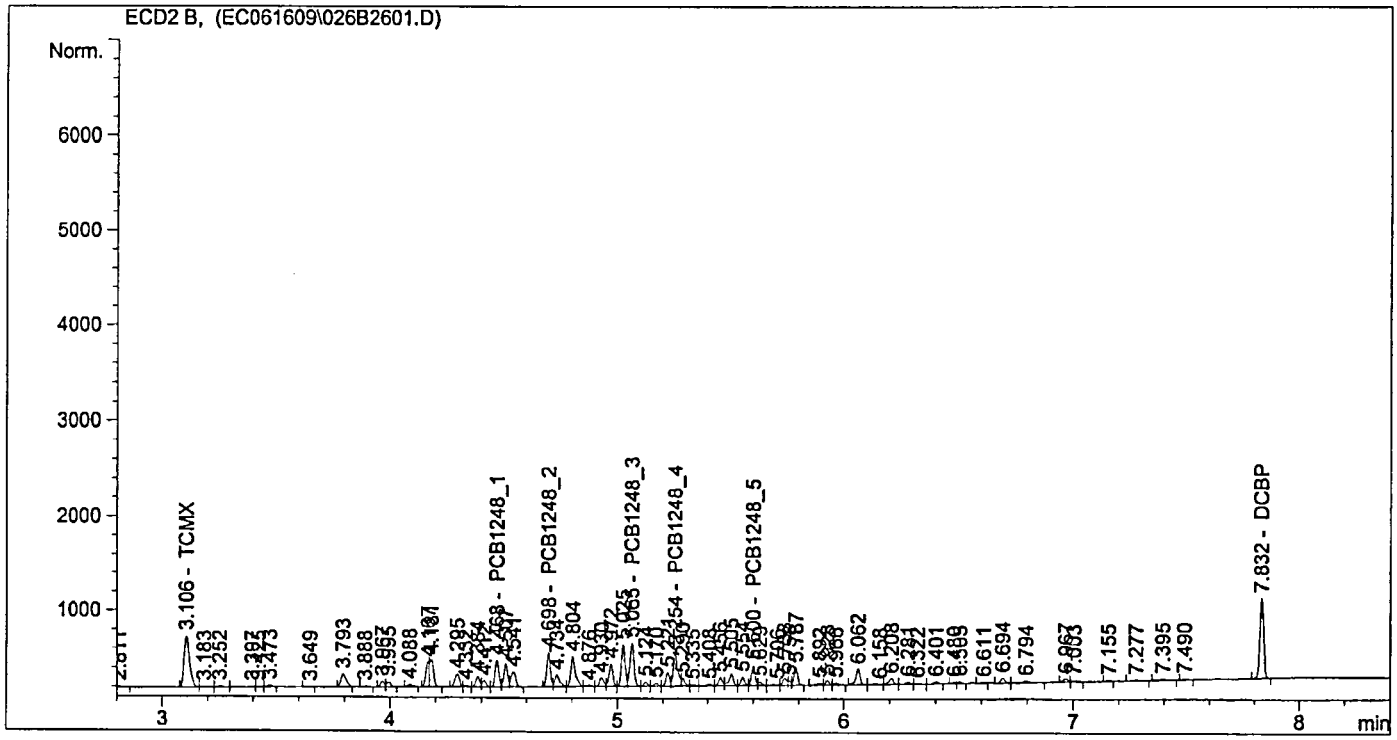
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 8:02:36 PM Seq. Line : 26
Sample Name : A1248 x100 ICAL Location : Vial 26
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	887.92737	1.26654e-2	11.24595		TCMX
4.468	VV	311.68481	3.47042e-1	108.16777		PCB1248_1
4.698	PV	390.62155	2.78247e-1	108.68922		PCB1248_2
5.065	VV	563.48987	1.93402e-1	108.97995		PCB1248_3
5.254	VV	539.59485	2.06885e-1	111.63432		PCB1248_4
5.600	VV	232.86835	4.79042e-1	111.55380		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	954.55786	1.16758e-2	11.14522		DCBP

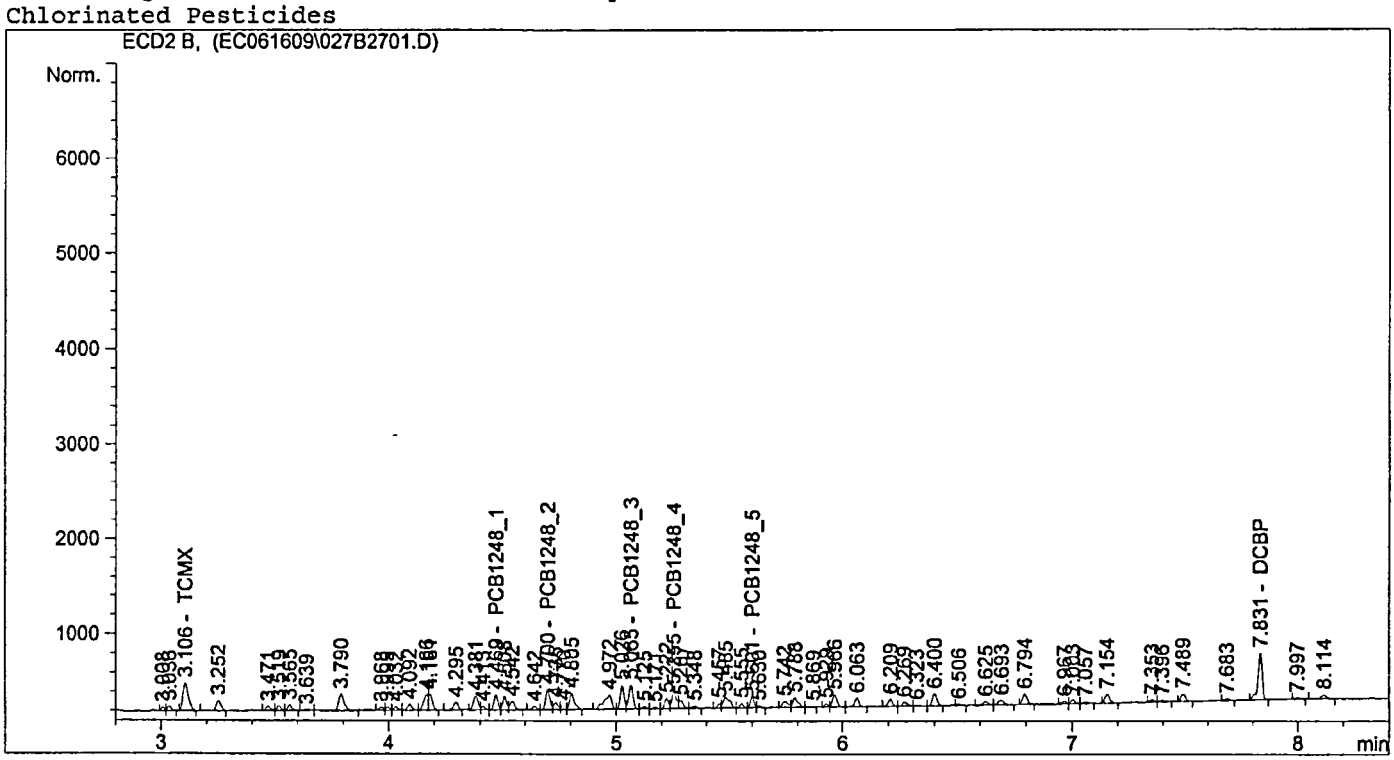
Totals : 571.41623

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 8:15:37 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BP	485.29697	1.78587e-2	8.66675		TCMX
4.469	VV	180.33220	4.35488e-1	78.53252		PCB1248_1
4.700	VV	266.96121	3.29264e-1	87.90076		PCB1248_2
5.065	VV	314.85751	2.55099e-1	80.31970		PCB1248_3
5.255	VV	283.46695	2.89699e-1	82.11997		PCB1248_4
5.601	VV	125.63702	6.49976e-1	81.66109		PCB1248_5
6.887		-	-	-		DBC
7.831	BB	622.84137	1.44383e-2	8.99276		DCBP
Totals :				428.19356		

BWS
6-17-09

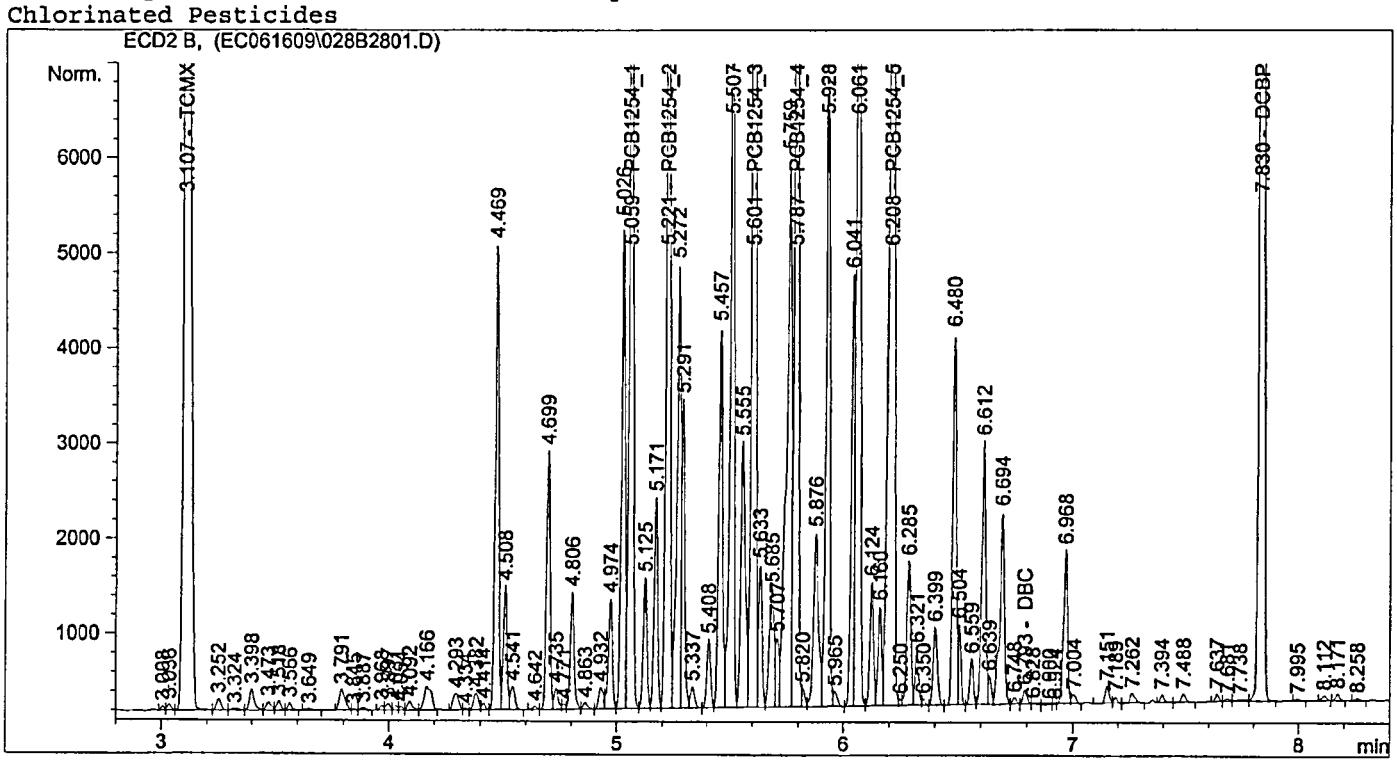
```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

==========

Injection Date : 6/16/2009 8:28:31 PM Seq. Line : 28
Sample Name : A1254 x2000 ICAL Location : Vial 28
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VV	2.82617e4	7.07513e-3	199.95492		TCMX
5.059	VV	1.06647e4	1.87523e-1	1999.87699		PCB1254_1
5.221	VV	1.08727e4	1.79699e-1	1953.80746		PCB1254_2
5.601	VV	1.80251e4	1.10962e-1	2000.09376		PCB1254_3
5.787	VV	1.44171e4	1.38665e-1	1999.14940		PCB1254_4
6.208	VV	1.75004e4	1.12740e-1	1973.00287		PCB1254_5
6.793	VV	171.09821	0.00000	0.00000		DBC
7.830	VB	2.85947e4	7.03720e-3	201.22627		DCBP

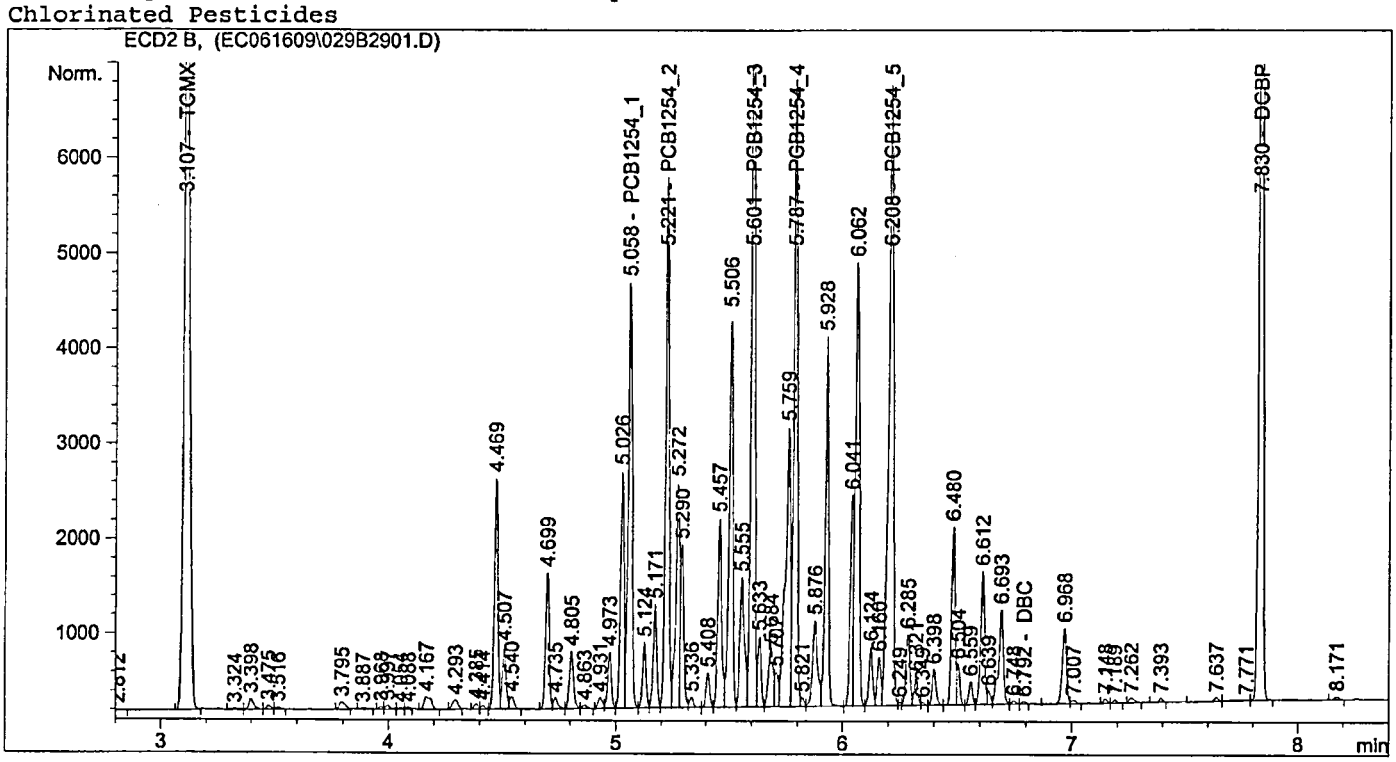
Totals : 1.03271e4

BWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 8:41:32 PM          Seq. Line :  29
Sample Name     : A1254 x1000 ICAL               Location : Vial 29
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VB	1.40482e4	7.16859e-3	100.70584		TCMX
5.058	VV	5308.97803	1.88691e-1	1001.75400		PCB1254_1
5.221	VV	6097.46680	1.78618e-1	1089.11633		PCB1254_2
5.601	VV	8935.36523	1.12154e-1	1002.13848		PCB1254_3
5.787	VV	7195.55811	1.39696e-1	1005.19148		PCB1254_4
6.208	VV	9338.53711	1.12975e-1	1055.02259		PCB1254_5
6.792	VV	29.78347	0.00000	0.00000		DBC
7.830	VB	1.37947e4	7.12150e-3	98.23857		DCBP

Totals : 5352.16729

BWS
6.17.09

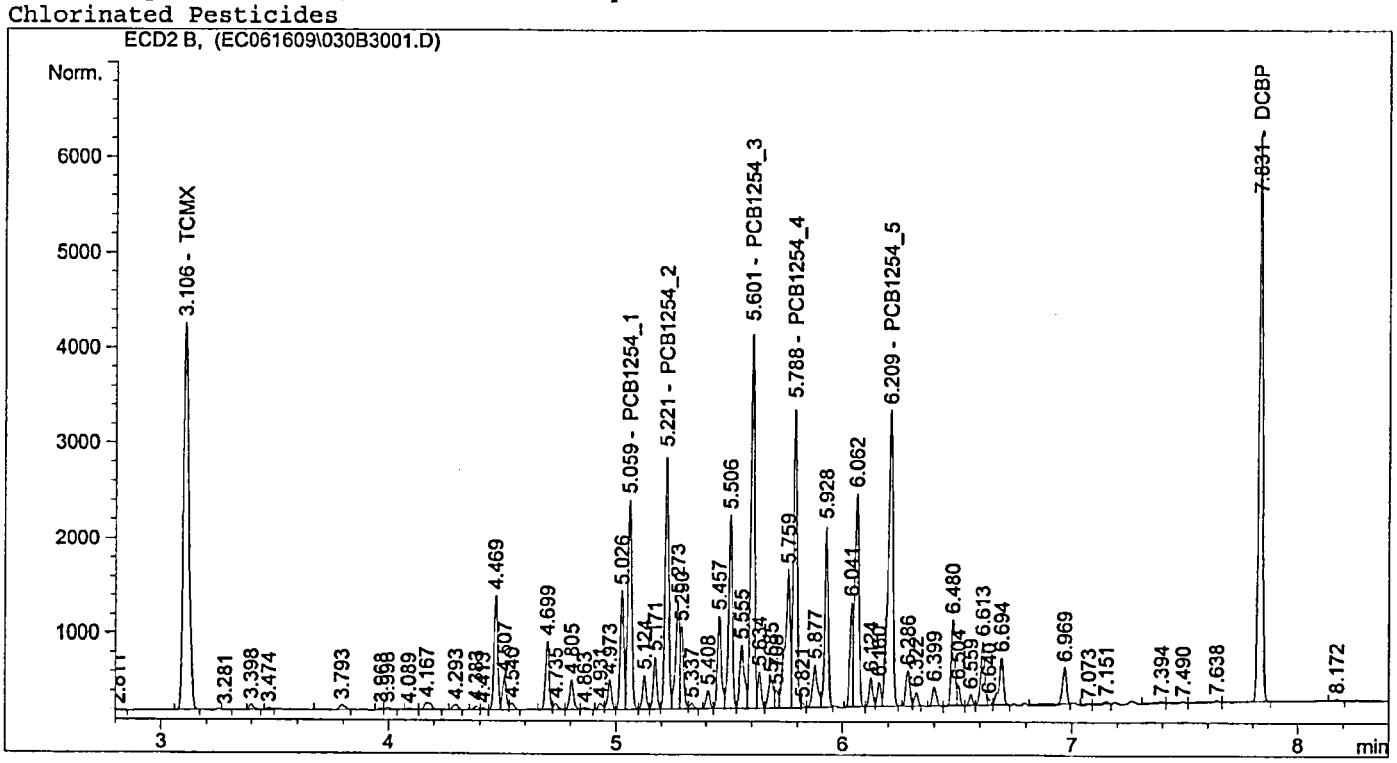
```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

==========

Injection Date : 6/16/2009 8:54:25 PM Seq. Line : 30
Sample Name : A1254 x500 ICAL Location : Vial 30
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	6711.31299	7.37175e-3	49.47411		TCMX
5.059	VV	2630.86133	1.91057e-1	502.64386		PCB1254_1
5.221	VV	2990.20801	1.76060e-1	526.45598		PCB1254_2
5.601	VV	4376.57861	1.14617e-1	501.62995		PCB1254_3
5.788	VV	3507.07764	1.41860e-1	497.51547		PCB1254_4
6.209	VV	4512.06494	1.13514e-1	512.18204		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	6690.64648	7.29443e-3	48.80442		DCBP

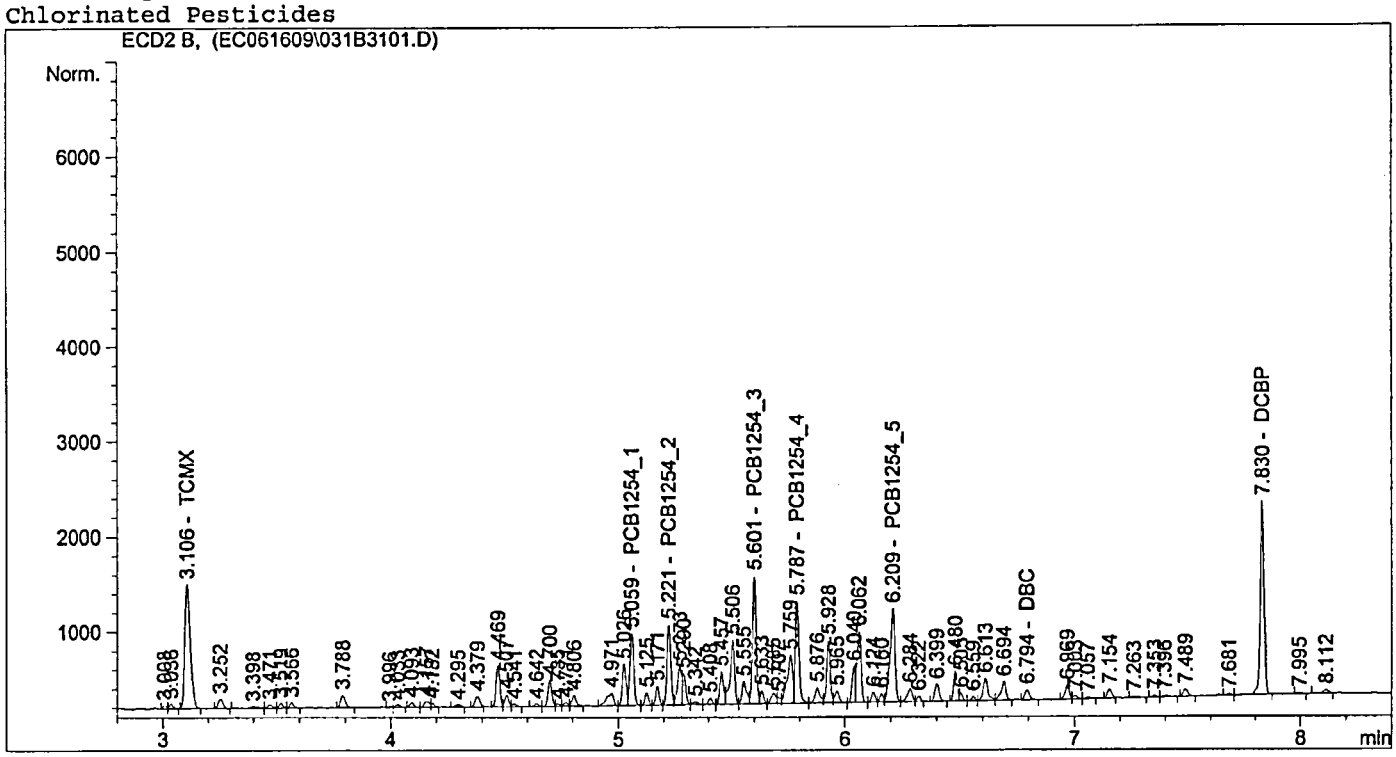
BWS
6.17.09

Totals : 2638.70584

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:07:20 PM          Seq. Line :  31
Sample Name     : A1254 x200 ICAL                Location : Vial 31
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	2193.94385	8.17269e-3	17.93042		TCMX
5.059	VV	926.45355	1.99686e-1	185.00005		PCB1254_1
5.221	VV	987.88354	1.65886e-1	163.87639		PCB1254_2
5.601	VV	1473.57690	1.24126e-1	182.90980		PCB1254_3
5.787	VV	1242.70264	1.49554e-1	185.85086		PCB1254_4
6.209	VV	1477.55640	1.15655e-1	170.88632		PCB1254_5
6.794	VB	145.04182	0.00000	0.00000		DBC
7.830	VB	2369.89722	7.90665e-3	18.73794		DCBP

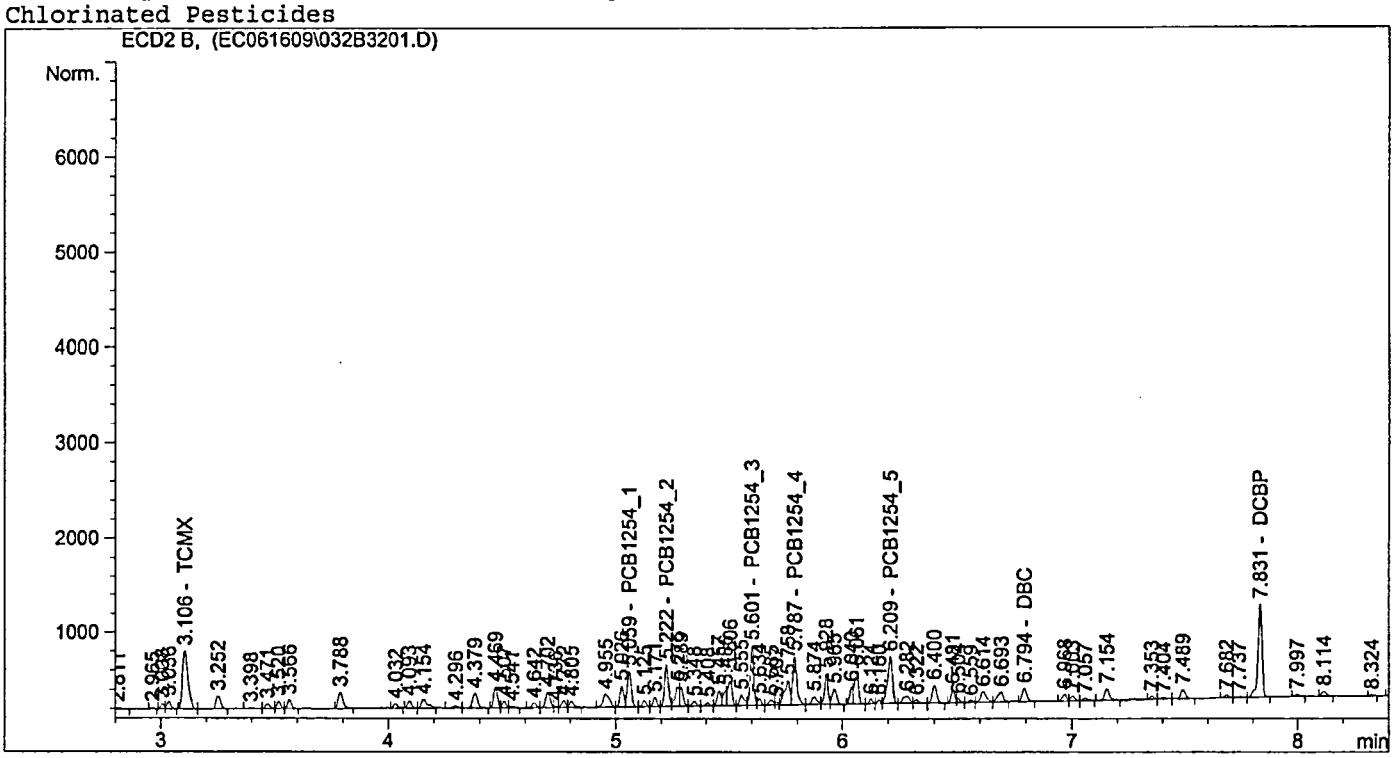
BWS
6.17.09

Totals : 925.19179

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:20:15 PM          Seq. Line :  32
Sample Name     : A1254 x100 ICAL                Location : Vial 32
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

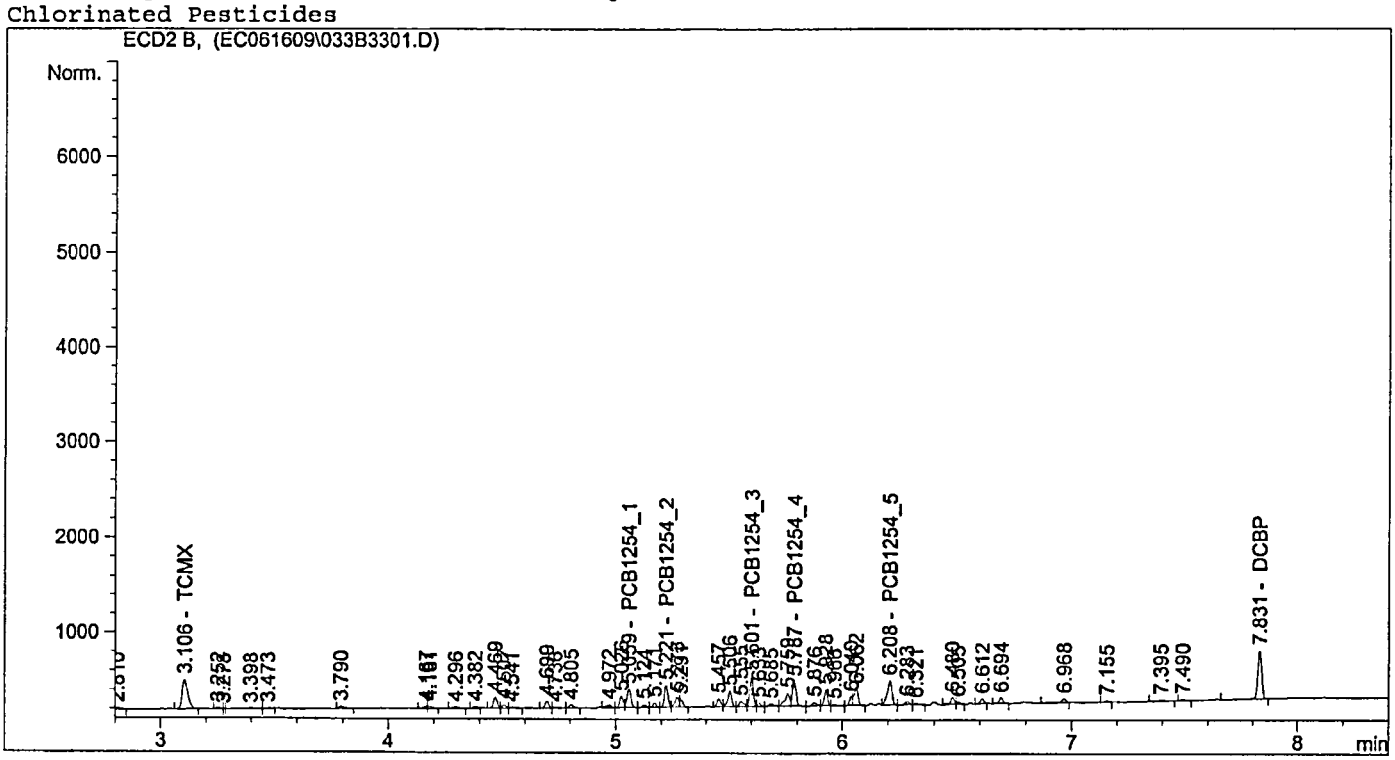
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	1019.56036	9.54332e-3	9.72999		TCMX
5.059	VV	447.20605	2.13961e-1	95.68457		PCB1254_1
5.222	VV	505.87912	1.51410e-1	76.59535		PCB1254_2
5.601	VV	680.14520	1.40851e-1	95.79905		PCB1254_3
5.787	VV	629.87061	1.61147e-1	101.50173		PCB1254_4
6.209	VV	720.91449	1.18996e-1	85.78568		PCB1254_5
6.794	VB	200.11134	0.00000	0.00000		DBC
7.831	VB	1208.52026	8.81768e-3	10.65635		DCBP
Totals :				475.75272		

BWS
6-17-09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

```
==================================================================
Injection Date  : 6/16/2009 9:33:02 PM          Seq. Line :  33
Sample Name     : A1254 x40 ICAL                 Location : Vial 33
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	514.70605	1.20549e-2	6.20472		TCMX
5.059	VV	229.11891	2.40227e-1	55.04052		PCB1254_1
5.221	VV	249.37901	1.20894e-1	30.14848		PCB1254_2
5.601	VV	330.65857	1.73681e-1	57.42896		PCB1254_3
5.787	VV	261.43622	1.94277e-1	50.79106		PCB1254_4
6.208	VV	341.57239	1.26241e-1	43.12050		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	587.72308	1.07814e-2	6.33645		DCBP

Totals : 249.07070

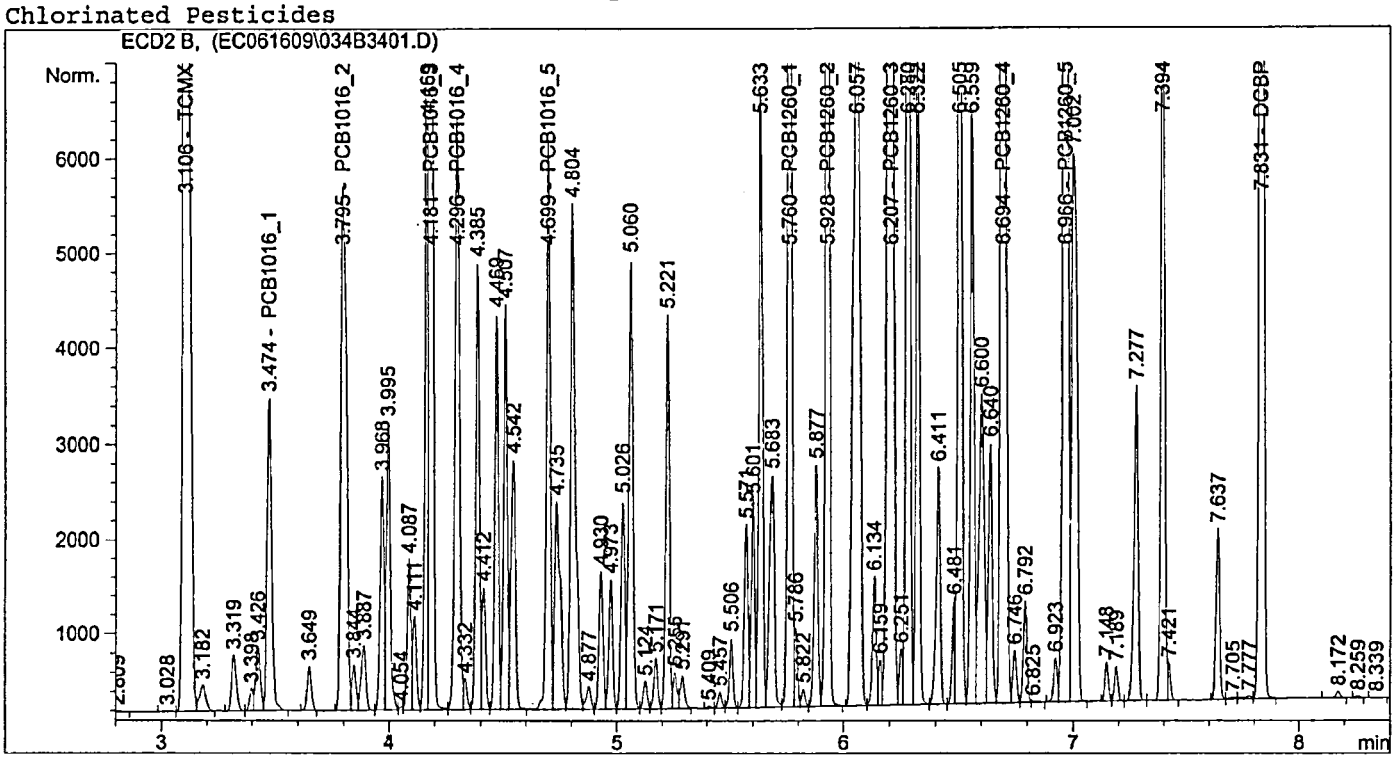
BWS
6-17-09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

```
==================================================================
Injection Date  : 6/16/2009 9:46:01 PM          Seq. Line :  34
Sample Name     : PCB x2000 ICAL                 Location : Vial 34
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:06:29 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:06:27 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2.94592e4	6.92505e-3	204.00623		TCMX
3.474	VB	4519.23340	4.43160e-1	2002.74428		PCB1016_1
3.795	PV	9469.86719	2.11388e-1	2001.81475		PCB1016_2
4.181	VV	1.46701e4	1.38396e-1	2030.28167		PCB1016_3
4.296	VV	8460.35547	2.38305e-1	2016.14481		PCB1016_4
4.699	VV	6825.10742	2.95084e-1	2013.97708		PCB1016_5
5.760	VV	1.36293e4	1.47790e-1	2014.27611		PCB1260_1
5.928	VB	1.90835e4	1.07837e-1	2057.90603		PCB1260_2
6.207	VV	2.42130e4	8.41678e-2	2037.95609		PCB1260_3
6.694	VV	3.69854e4	5.59014e-2	2067.53221		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	2.38040e4	8.64581e-2	2058.04726		PCB1260_5
7.831	VB	2.91817e4	6.17971e-3	180.33454		DCBP

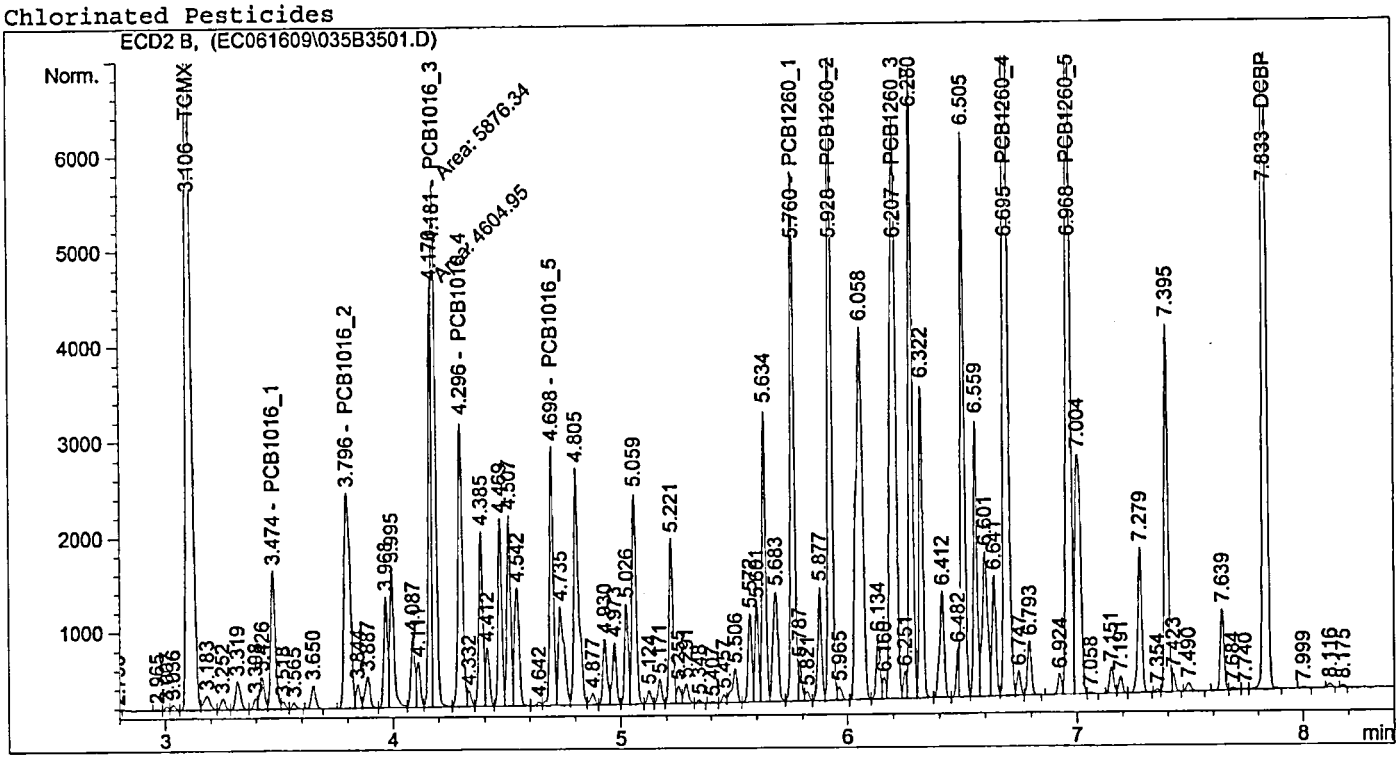
BWS
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\035B3501.D

Injection Date	: 6/16/2009 9:58:51 PM	Seq. Line	: 35
Sample Name	: PCB x1000 ICAL	Location	: Vial 35
Acq. Operator	: BWS	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/17/2009 10:07:22 AM by BWS
(modified after loading)

Chlorinated Pesticides



External Standard Report

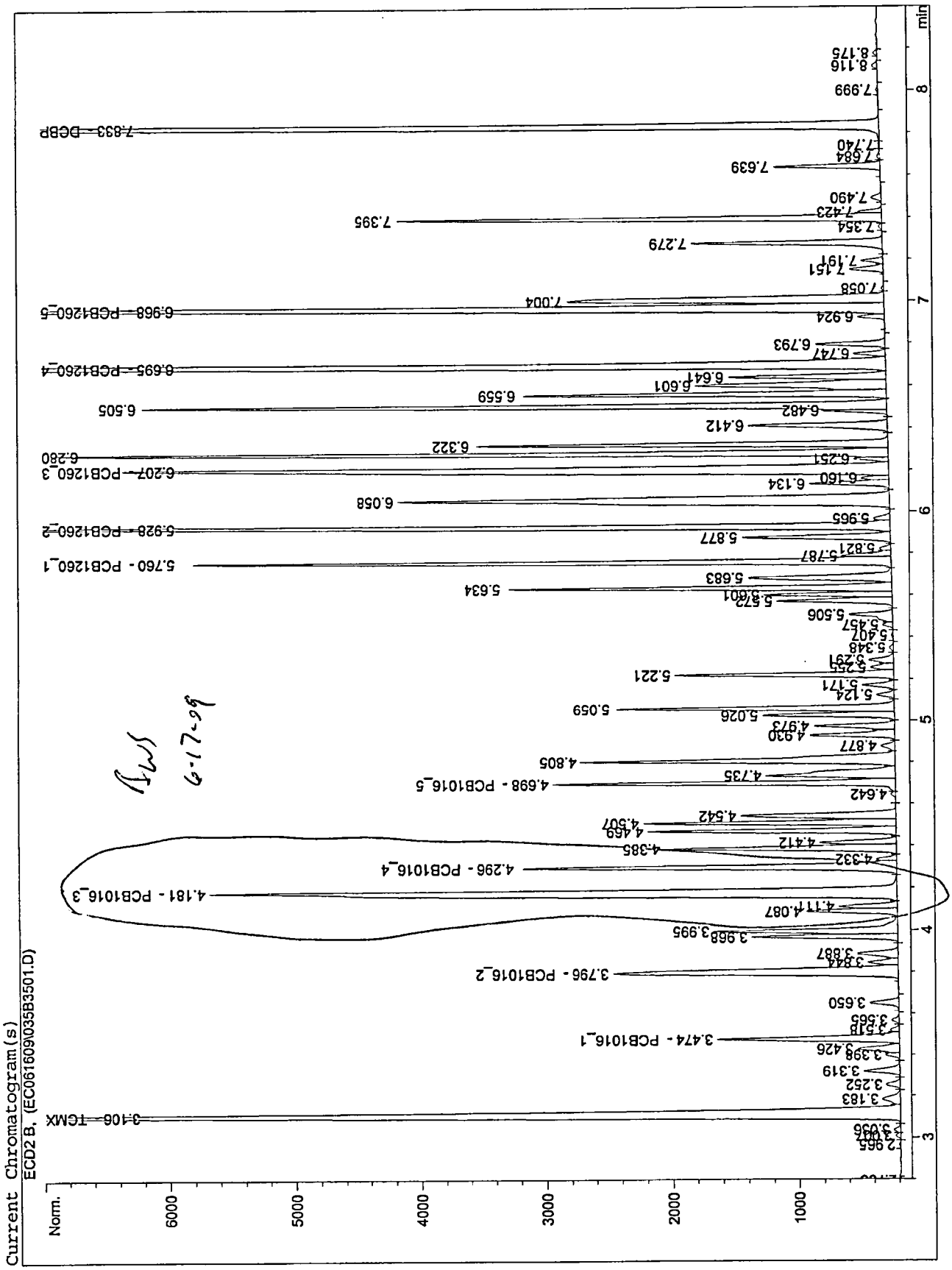
Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:07:17 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1.36287e4	7.07647e-3	96.44283		TCMX
3.474	VV	2033.76917	4.53075e-1	921.44899		PCB1016_1
3.796	VV	4170.35840	2.17441e-1	906.80535		PCB1016_2
4.181	FM	5876.34326	1.46526e-1	861.03867		PCB1016_3
4.296	VV	4022.45117	2.41745e-1	972.40734		PCB1016_4
4.698	VV	3104.98975	3.02309e-1	938.66590		PCB1016_5
5.760	VV	6291.23389	1.50335e-1	945.79497		PCB1260_1
5.928	VV	9044.02246	1.08669e-1	982.80589		PCB1260_2
6.207	VV	1.06166e4	8.69772e-2	923.40447		PCB1260_3
6.695	VV	1.70676e4	5.68041e-2	969.51015		PCB1260_4
6.891		-	-	-		DBC
6.968	VV	1.11218e4	8.76728e-2	975.08050		PCB1260_5
7.833	VB	1.36456e4	6.60789e-3	90.16844		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:07:22 AM BWS



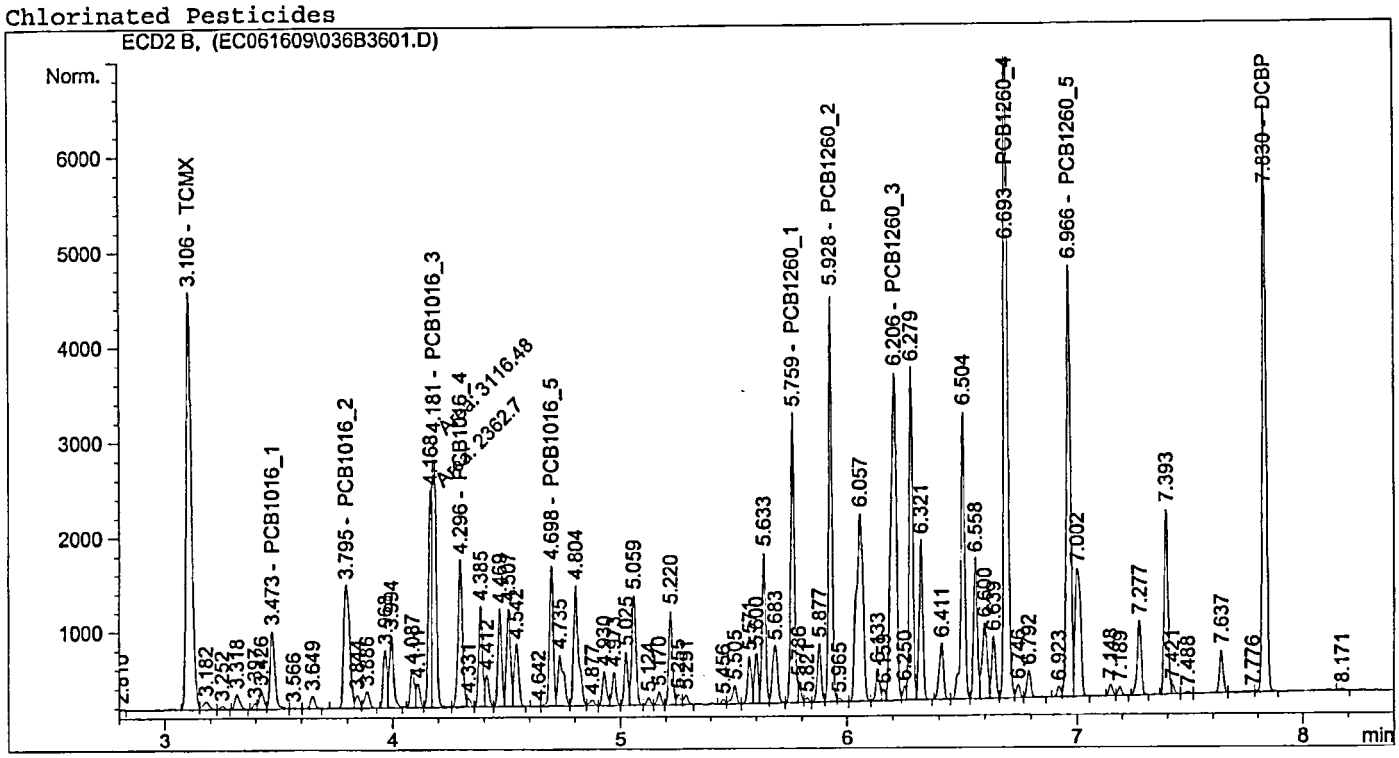
ECD2 6/17/2009 10:06:52 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\036B3601.D

```
==================================================================
Injection Date  : 6/16/2009 10:11:44 PM          Seq. Line :  36
Sample Name     : PCB x500 ICAL                   Location : Vial 36
Acq. Operator   : BWS                                 Inj :  1
                                                Inj Volume : 1 µl

Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:08:05 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

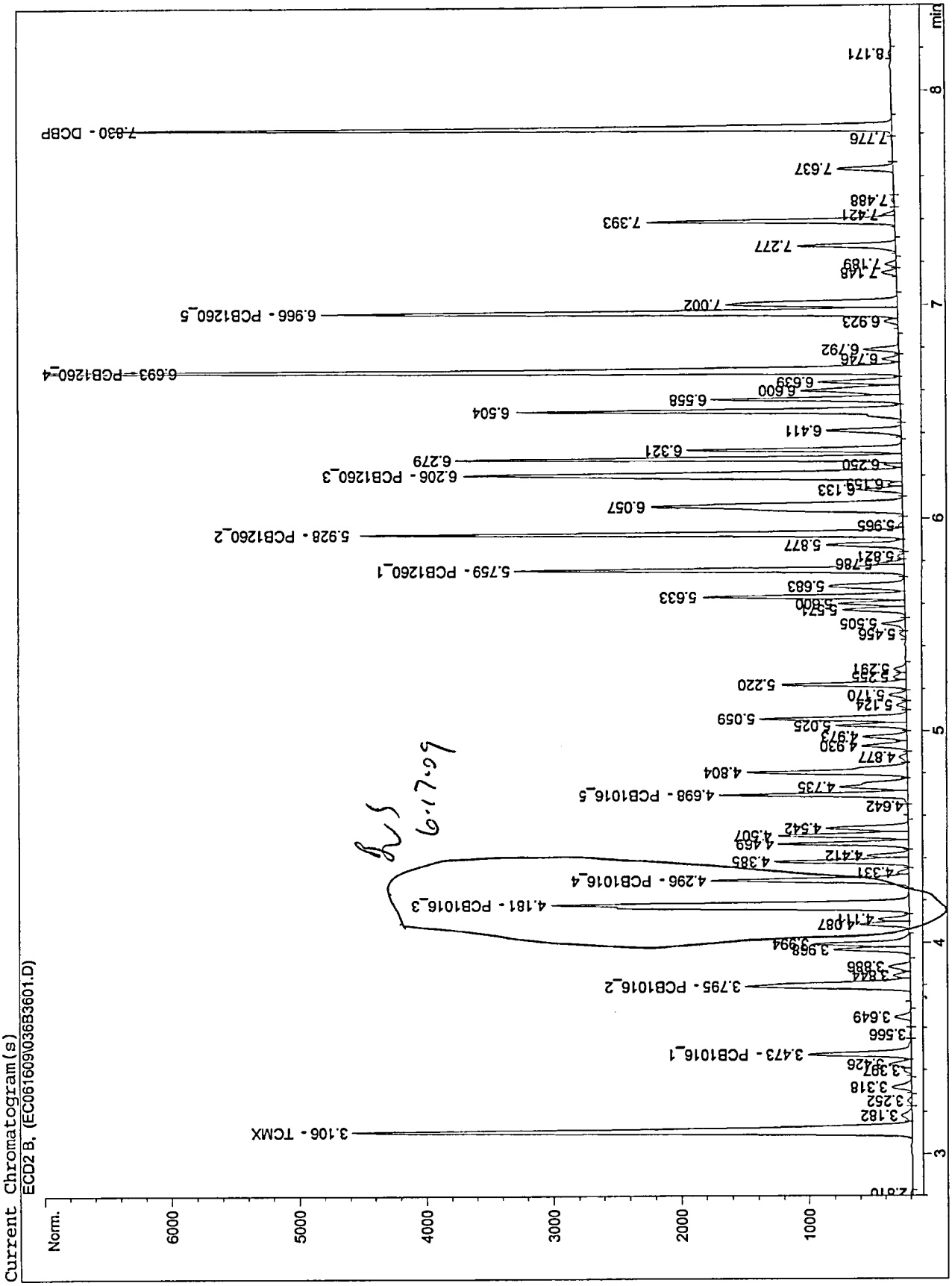
Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:08:02 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	7003.94629	7.20672e-3	50.47550		TCMX
3.473	VV	1173.99915	4.48251e-1	526.24666		PCB1016_1
3.795	BV	2337.43018	2.17472e-1	508.32606		PCB1016_2
4.181	FM	3116.47534	1.53470e-1	478.28481		PCB1016_3
4.296	VV	2094.15796	2.42120e-1	507.03773		PCB1016_4
4.698	VV	1677.99841	3.03838e-1	509.83950		PCB1016_5
5.759	VV	3357.37085	1.51005e-1	506.97811		PCB1260_1
5.928	VV	4654.07275	1.09539e-1	509.80197		PCB1260_2
6.206	VV	5743.00488	8.85477e-2	508.52996		PCB1260_3
6.693	VV	8792.44434	5.78925e-2	509.01700		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	5652.14844	8.91801e-2	504.05910		PCB1260_5
7.830	VB	6917.99902	6.66835e-3	46.13166		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:08:05 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\036B3601.D)
Norm.
6000
5000
4000
3000
2000
1000
min
3
4
5
6
7
8
3.106 - TCMX
3.473 - PCB1016_1
3.795 - PCB1016_2
4.181 - PCB1016_3
4.296 - PCB1016_4
4.698 - PCB1016_5
5.759 - PCB1260_1
5.928 - PCB1260_2
6.206 - PCB1260_3
6.693 - PCB1260_4
6.966 - PCB1260_5
7.830 - DCBP

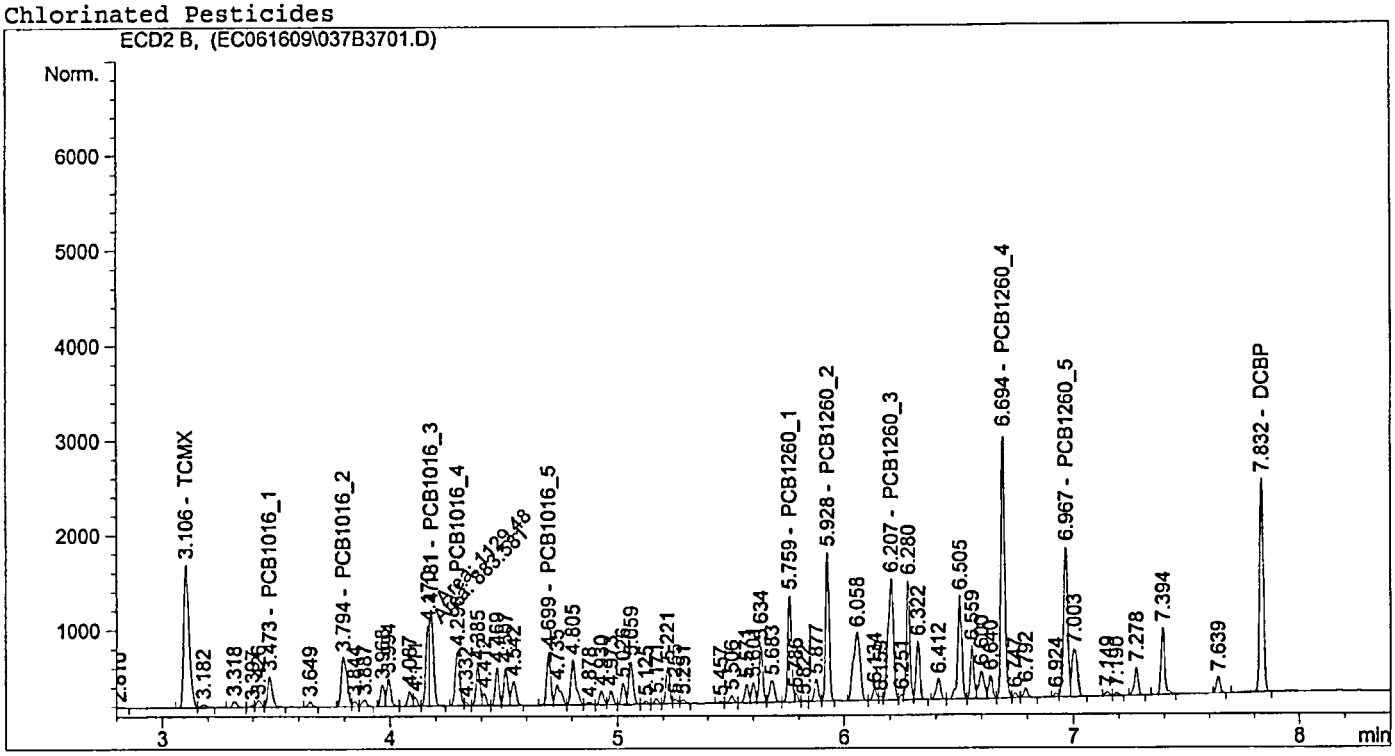
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\037B3701.D

```
==================================================================
Injection Date  : 6/16/2009 10:24:44 PM          Seq. Line :  37
Sample Name     : PCB x200 ICAL                   Location : Vial 37
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl

Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:10:01 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:10:00 AM
Multiplier             :      1.0000
Dilution               :      1.0000

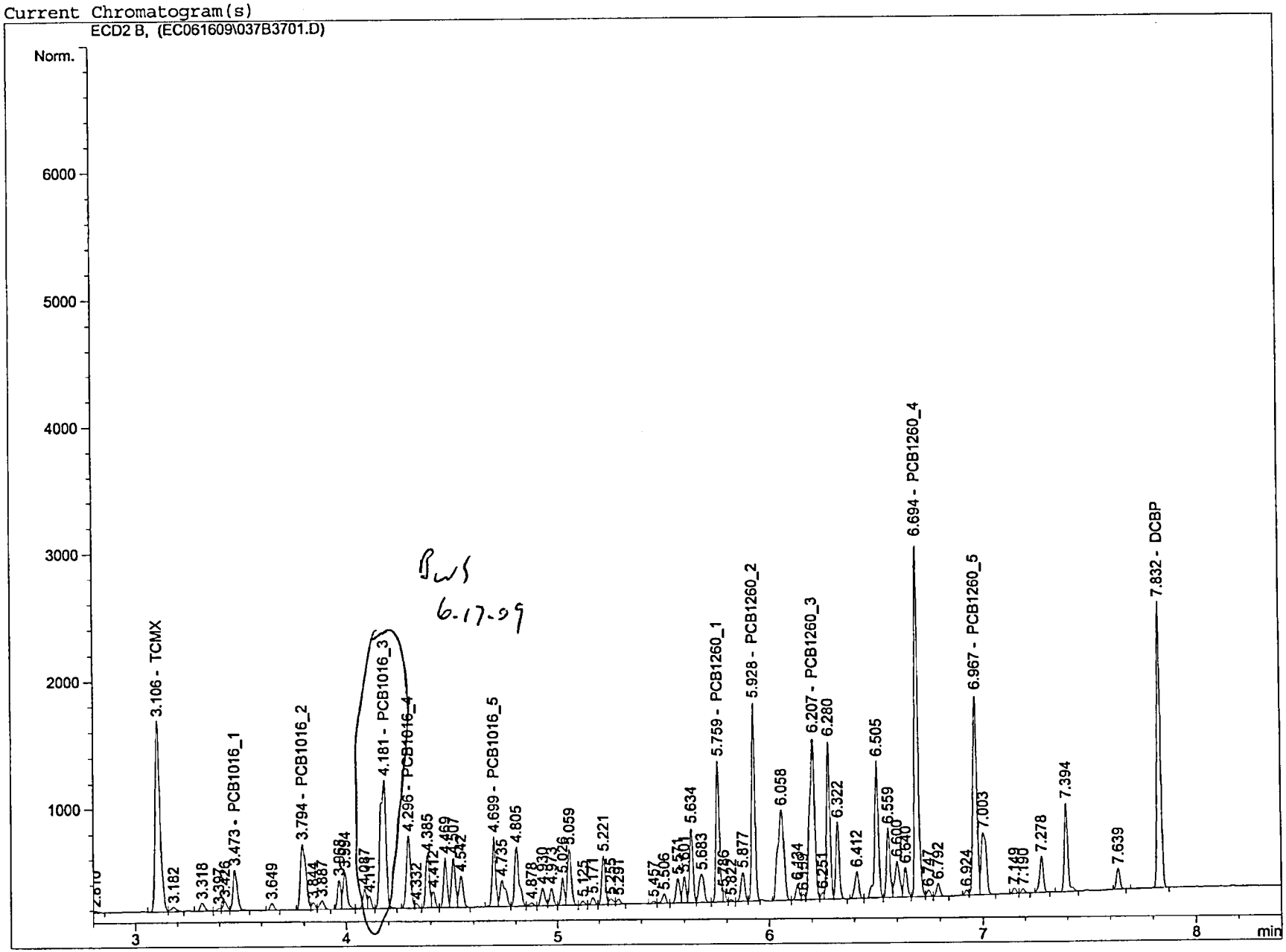
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2459.41650	7.98155e-3	19.62996		TCMX
3.473	VB	459.35840	4.55209e-1	209.10389		PCB1016_1
3.794	BV	925.94446	2.27040e-1	210.22643		PCB1016_2
4.181	FM	1129.47510	1.84501e-1	208.38960		PCB1016_3
4.296	BV	785.00928	2.52392e-1	198.12976		PCB1016_4
4.699	BV	634.24420	3.20572e-1	203.32064		PCB1016_5
5.759	VV	1251.00183	1.59135e-1	199.07828		PCB1260_1
5.928	VV	1690.69934	1.17110e-1	197.99704		PCB1260_2
6.207	VV	2103.30566	9.77195e-2	205.53395		PCB1260_3
6.694	VV	3117.92969	6.42428e-2	200.30467		PCB1260_4
6.891		-	-	-		DBC
6.967	VV	2021.84827	9.79173e-2	197.97387		PCB1260_5
7.832	BB	2527.29541	7.09127e-3	17.92173		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:10:01 AM BWS

Print of window 38: Current Chromatogram(s)

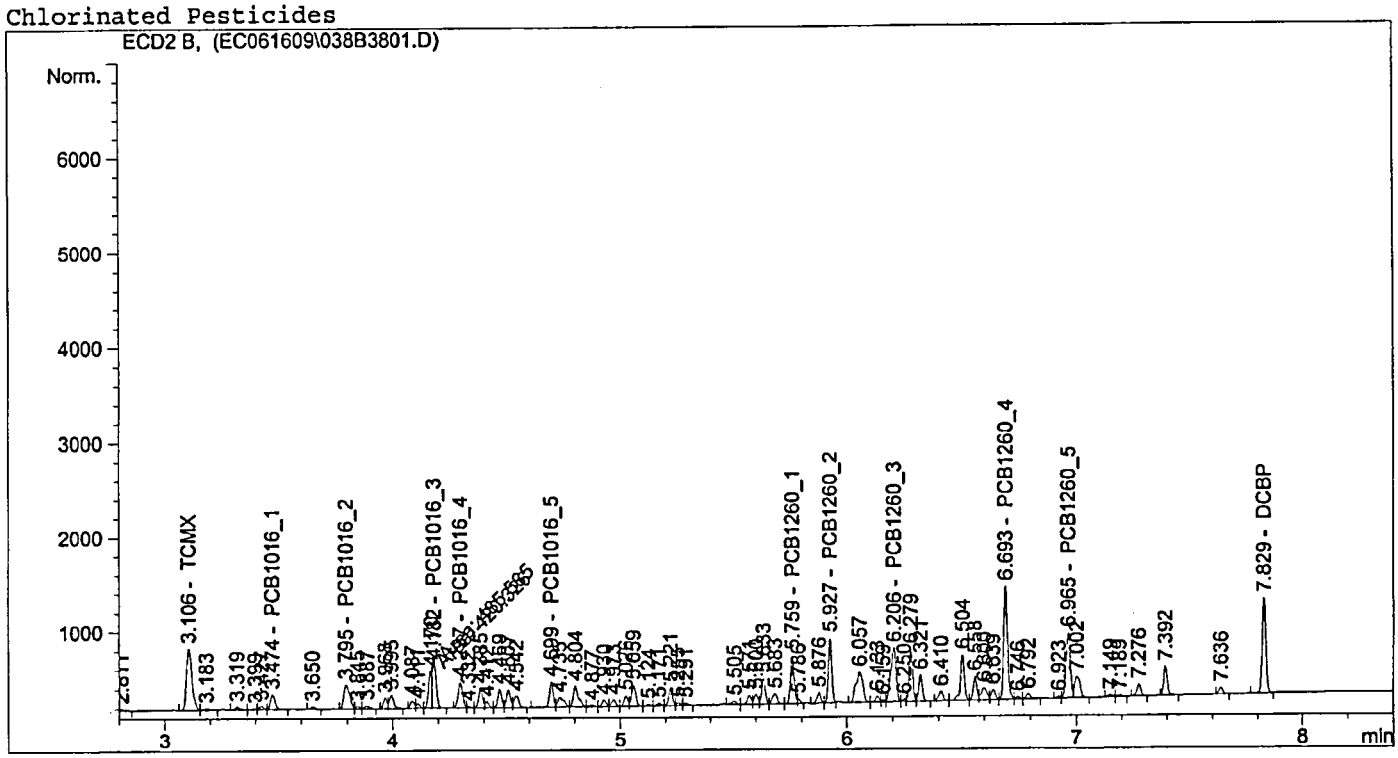


ECD2 6/17/2009 10:08:23 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\038B3801.D

```
==================================================================
Injection Date  : 6/16/2009 10:37:35 PM          Seq. Line :  38
Sample Name     : PCB x100 ICAL                   Location : Vial 38
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:10:50 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides



==========
External Standard Report
==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:10:48 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1060.00964	9.47053e-3	10.03885		TCMX
3.474	VB	217.42149	4.56579e-1	99.27014		PCB1016_1
3.795	BV	437.29282	2.40067e-1	104.97947		PCB1016_2
4.182	FM	485.58514	2.49460e-1	121.13418		PCB1016_3
4.297	BV	360.85504	2.68497e-1	96.88843		PCB1016_4
4.699	BV	295.44028	3.46344e-1	102.32409		PCB1016_5
5.759	VV	561.53314	1.74475e-1	97.97337		PCB1260_1
5.927	VV	743.89374	1.30403e-1	97.00615		PCB1260_2
6.206	VV	927.62262	1.14883e-1	106.56771		PCB1260_3
6.693	VV	1324.98889	7.63427e-2	101.15317		PCB1260_4
6.891		-	-	-		DBC
6.965	VV	870.44684	1.14817e-1	99.94177		PCB1260_5
7.829	BB	1119.47693	8.34984e-3	9.34745		DCBP

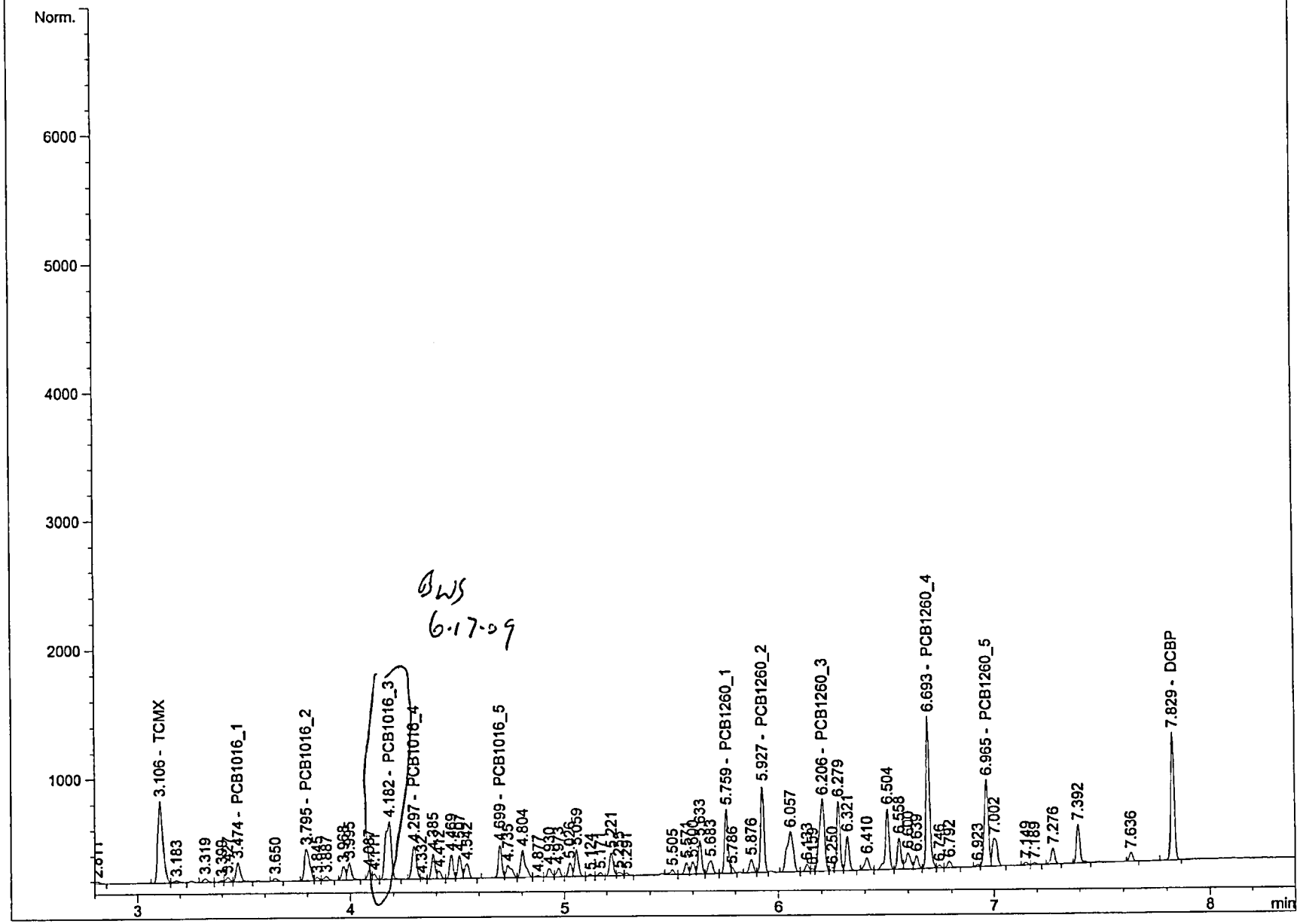
BWS
6.17.09

ECD2 6/17/2009 10:10:50 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

ECD2 B, (EC061609\038B3801.D)



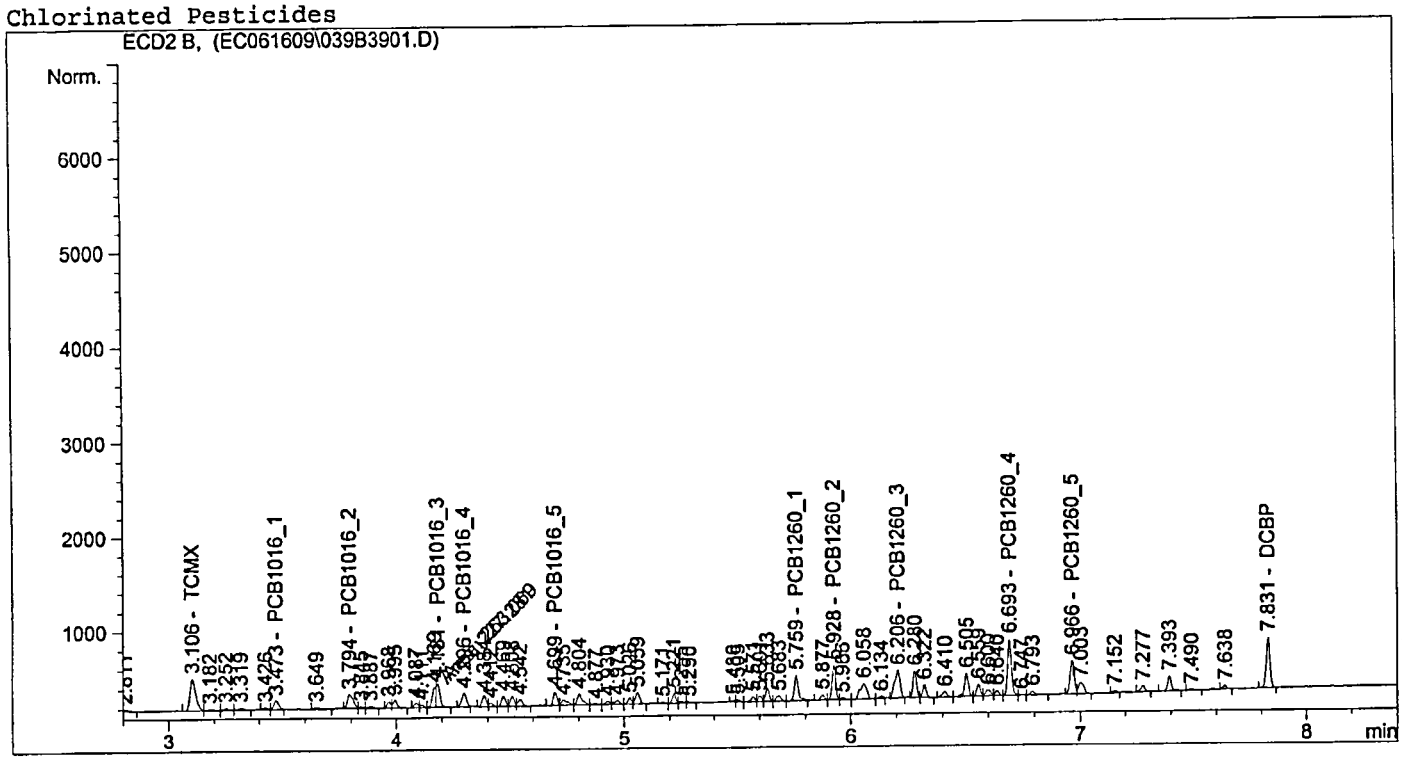
ECD2 6/17/2009 10:10:29 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\039B3901.D

```
==================================================================
Injection Date  : 6/16/2009 10:50:29 PM          Seq. Line :  39
Sample Name     : PCB x40 ICAL                    Location : Vial 39
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl

Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:11:41 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:11:39 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	548.72662	1.20299e-2	6.60113		TCMX
3.473	VV	121.06745	4.56623e-1	55.28216		PCB1016_1
3.794	BV	251.36978	2.58563e-1	64.99505		PCB1016_2
4.181	FM	263.06857	3.48380e-1	91.64781		PCB1016_3
4.296	BV	195.81090	2.95069e-1	57.77769		PCB1016_4
4.699	VV	160.03806	3.89192e-1	62.28561		PCB1016_5
5.759	VV	317.76819	1.96374e-1	62.40140		PCB1260_1
5.928	VV	382.41440	1.54962e-1	59.25959		PCB1260_2
6.206	VV	472.35635	1.46152e-1	69.03575		PCB1260_3
6.693	VV	666.49261	9.75963e-2	65.04720		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	445.24323	1.44457e-1	64.31850		PCB1260_5
7.831	BB	608.79004	1.07789e-2	6.56211		DCBP

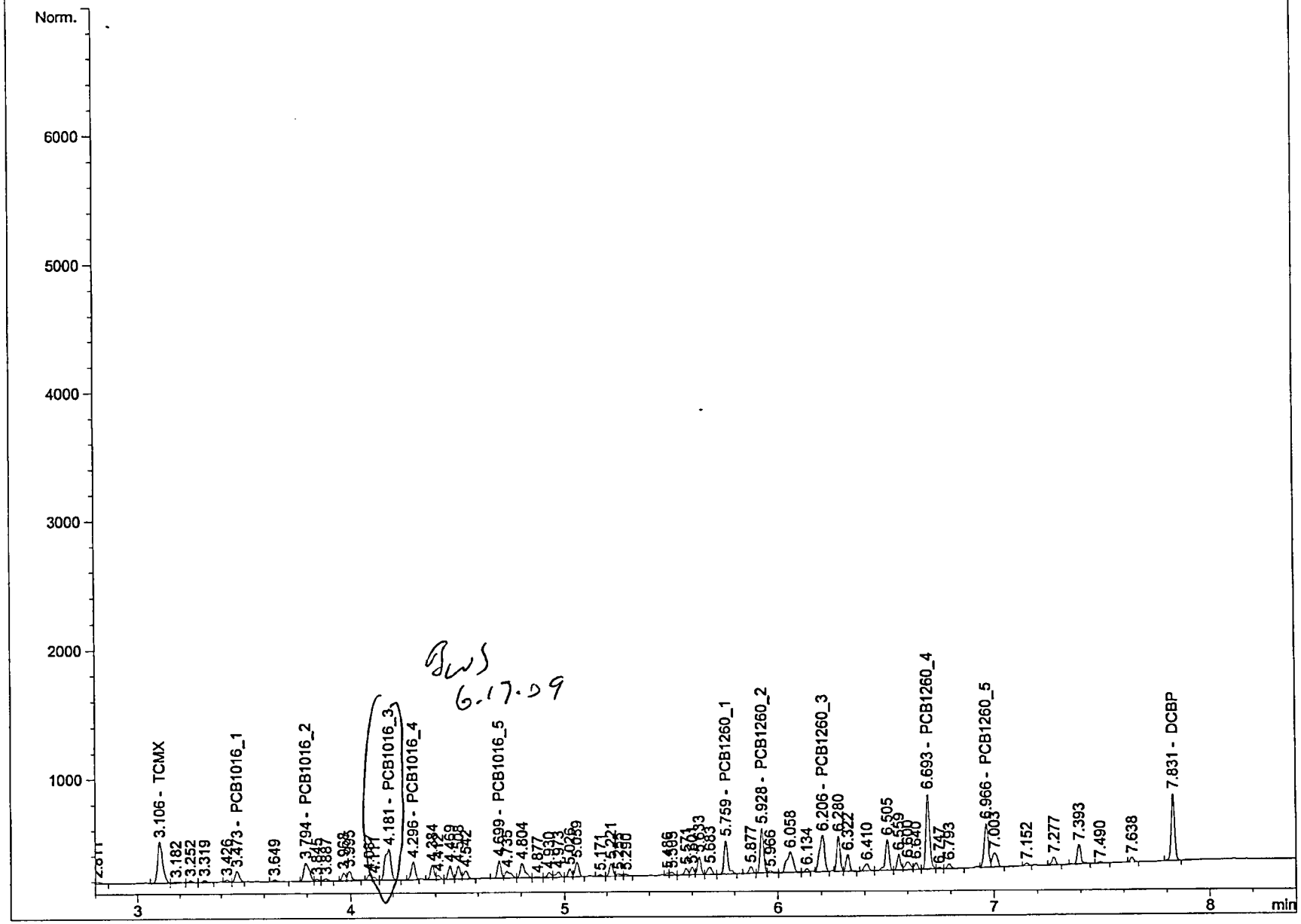
BWS
6-17-09

ECD2 6/17/2009 10:11:41 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

ECD2 B, (EC061609\039B3901.D)



ECD2 6/17/2009 10:11:16 AM BWS

8082 CVS Raw Data

PCB Calibration Verification Summary

Sample ID: CVS-1221-1000
Instrument ID: ECD2

Date: 10-Jul-09 09:43
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1221	1	3.31088	3.28088	3.34088	1026.309733	1026.314535	-2.63
	2	3.41754	3.38754	3.44754	1025.820969		
	3	3.46546	3.43546	3.49546	1026.812904		
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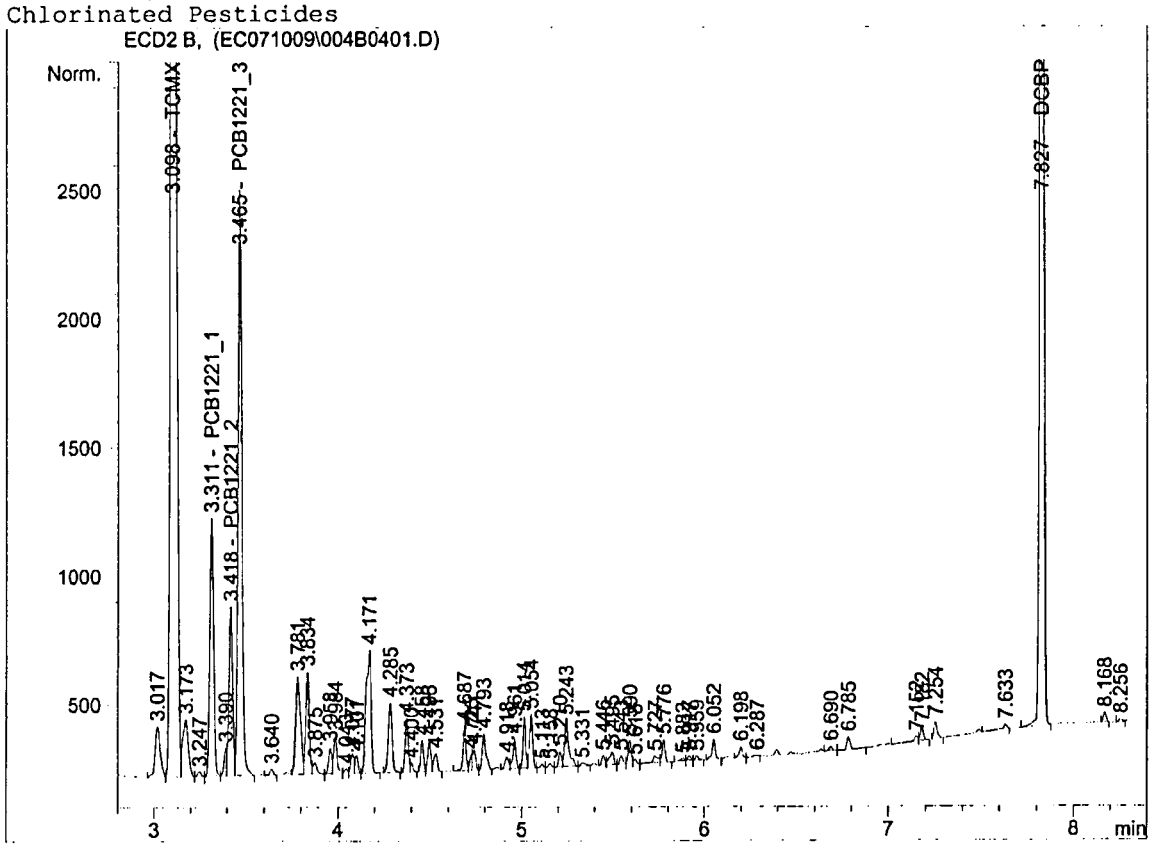
==================================================================
Injection Date  : 7/10/2009 9:43:20 AM          Seq. Line :   4
Sample Name     : cvs-1221-1000                  Location : Vial 4
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071009\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/22/2009 9:37:20 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.098	VV	1.50499e4	6.87832e-3	103.51829		TCMX
3.311	VV	1450.41980	7.07595e-1	1026.30973		PCB1221_1
3.418	VV	930.52924	1.10241	1025.82097		PCB1221_2
3.465	VV	3476.38257	2.95368e-1	1026.81290		PCB1221_3
6.890		-	-	-		DBC
7.827	BB	1.50619e4	6.84126e-3	103.04274		DCBP

Totals : 3285.50463

BWS
7-10-09

Results obtained with enhanced integrator!

PCB Calibration Verification Summary

Sample ID: CVS-1232-1000
Instrument ID: ECD2

Date: 10-Jul-09 09:56
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1232	1	3.46532	3.43532	3.49532	1015.451963	1004.389163	-0.439
	2	3.78521	3.75521	3.81521	994.8337454		
	3	4.17075	4.14075	4.20075	1024.627595		
	4	4.68758	4.65758	4.71758	994.1728025		
	5	5.05426	5.02426	5.08426	992.859711		
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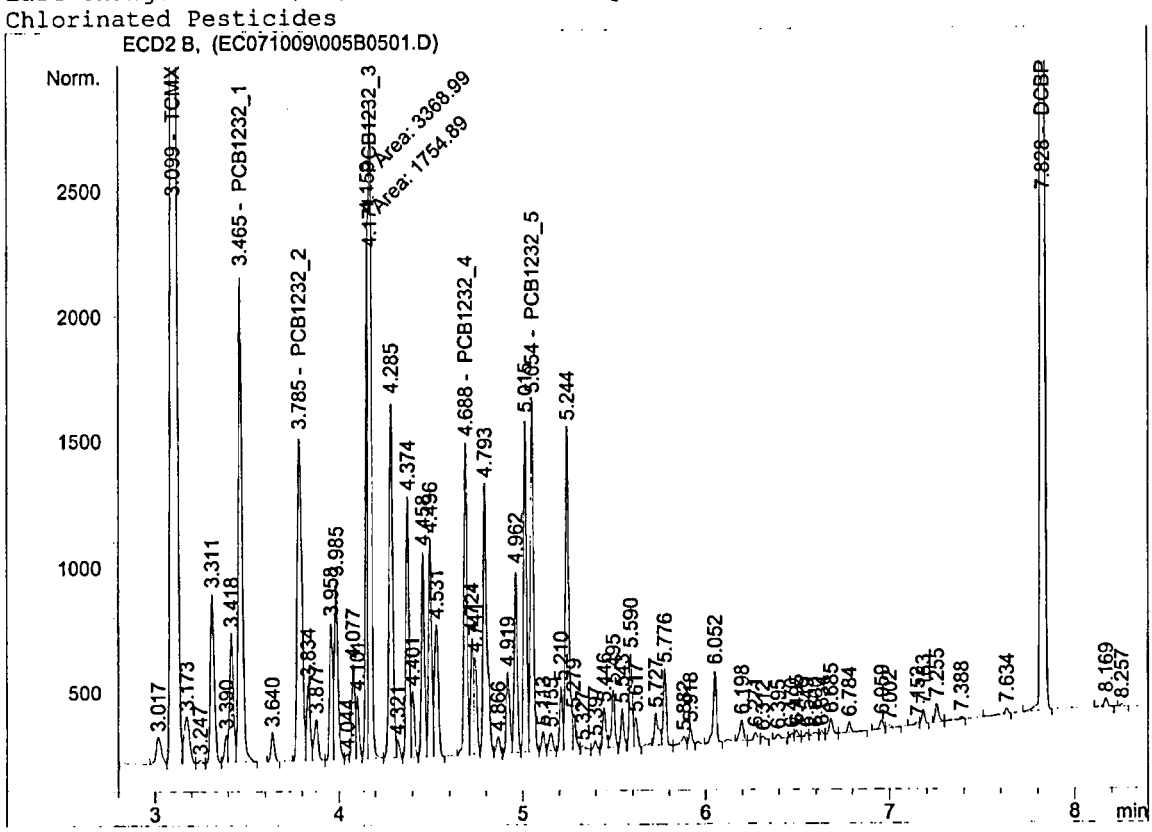
==================================================================
Injection Date  : 7/10/2009 9:56:12 AM          Seq. Line :   5
Sample Name     : cvs-1232-1000                  Location : Vial 5
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071009\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/22/2009 9:38:06 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

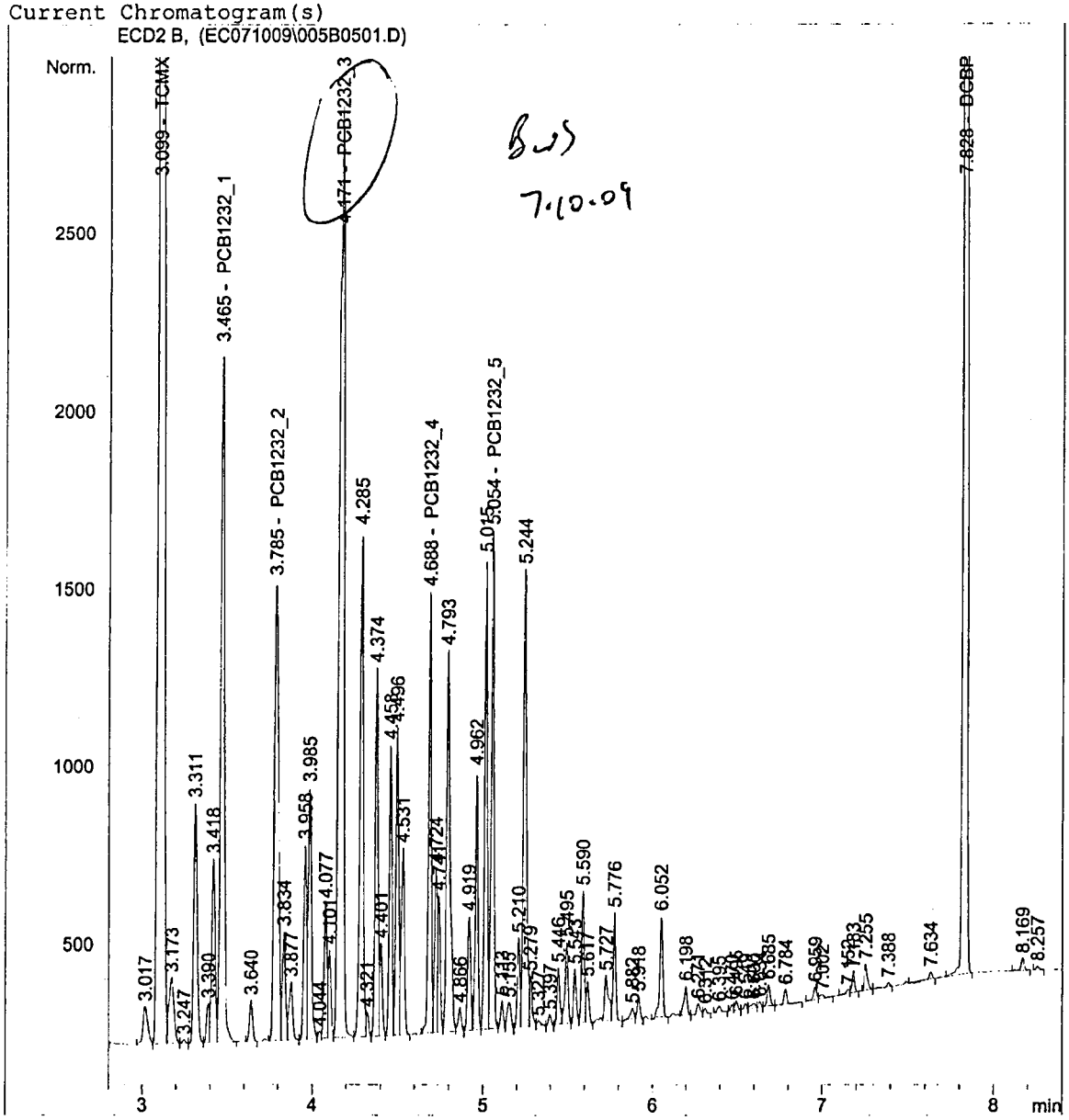
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.099	VV	1.49807e4	6.78647e-3	101.66639		TCMX
3.465	VB	2882.43848	3.52289e-1	1015.45196		PCB1232_1
3.785	VV	2331.19482	4.26748e-1	994.83375		PCB1232_2
4.171	FM	3368.98633	3.04135e-1	1024.62759		PCB1232_3
4.688	PV	1413.49146	7.03345e-1	994.17280		PCB1232_4
5.054	VV	1678.76892	5.91421e-1	992.85971		PCB1232_5
6.889		-	-	-		DBC
7.828	BB	1.49317e4	6.78688e-3	101.33973		DCBP

BWS
7.10.09

Totals : 5224.95194

Print of all graphic windows
Current Chromatogram(s)
ECD2 B, (EC071009\005B0501.D)



PCB Calibration Verification Summary

Sample ID: CVS-1242-1000
Instrument ID: ECD2

Date: 10-Jul-09 10:09
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1242	1	3.4656	3.4356	3.4956	1007.023489	1028.578308	-2.86
	2	3.7863	3.7563	3.8163	995.6149612		
	3	4.17097	4.14097	4.20097	1057.058052		
	4	4.68783	4.65783	4.71783	1039.350634		
	5	5.0544	5.0244	5.0844	1043.844404		
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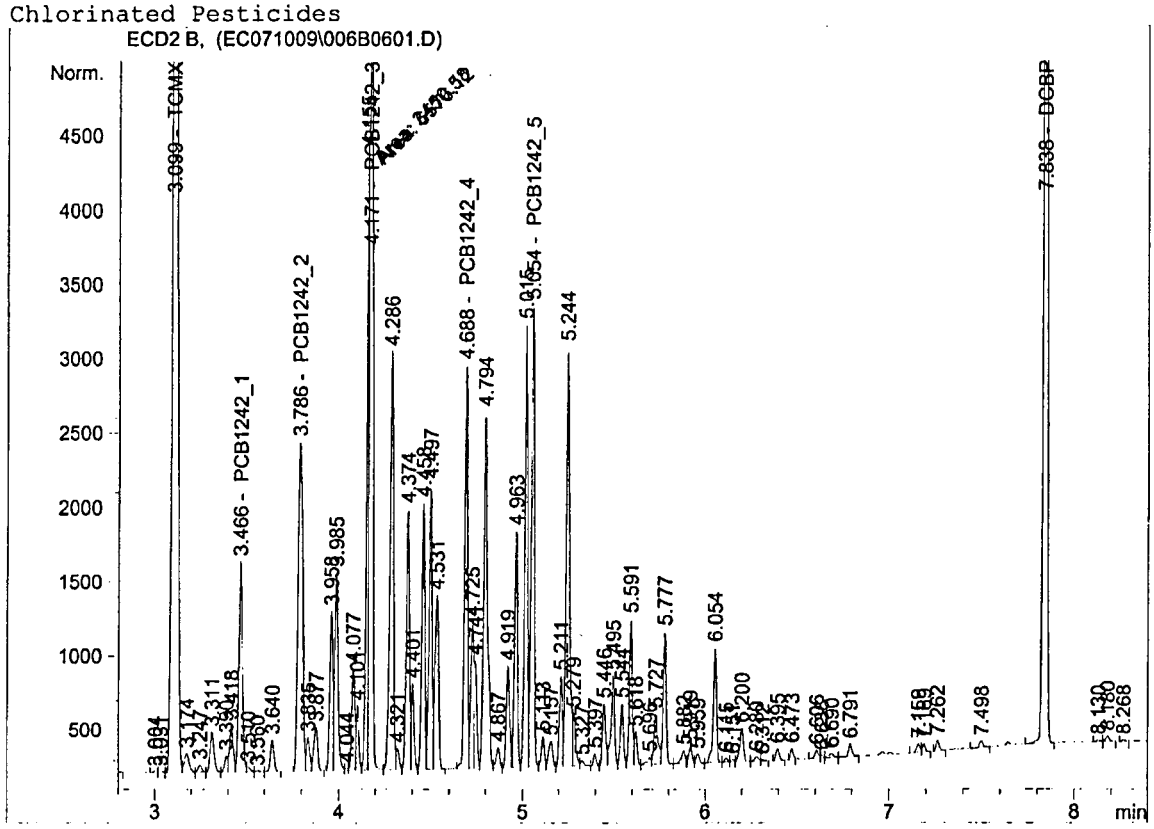
==================================================================
Injection Date  : 7/10/2009 10:09:07 AM          Seq. Line :   6
Sample Name     : cvs-1242-1000                   Location : Vial 6
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                           Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071009\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/22/2009 9:38:47 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

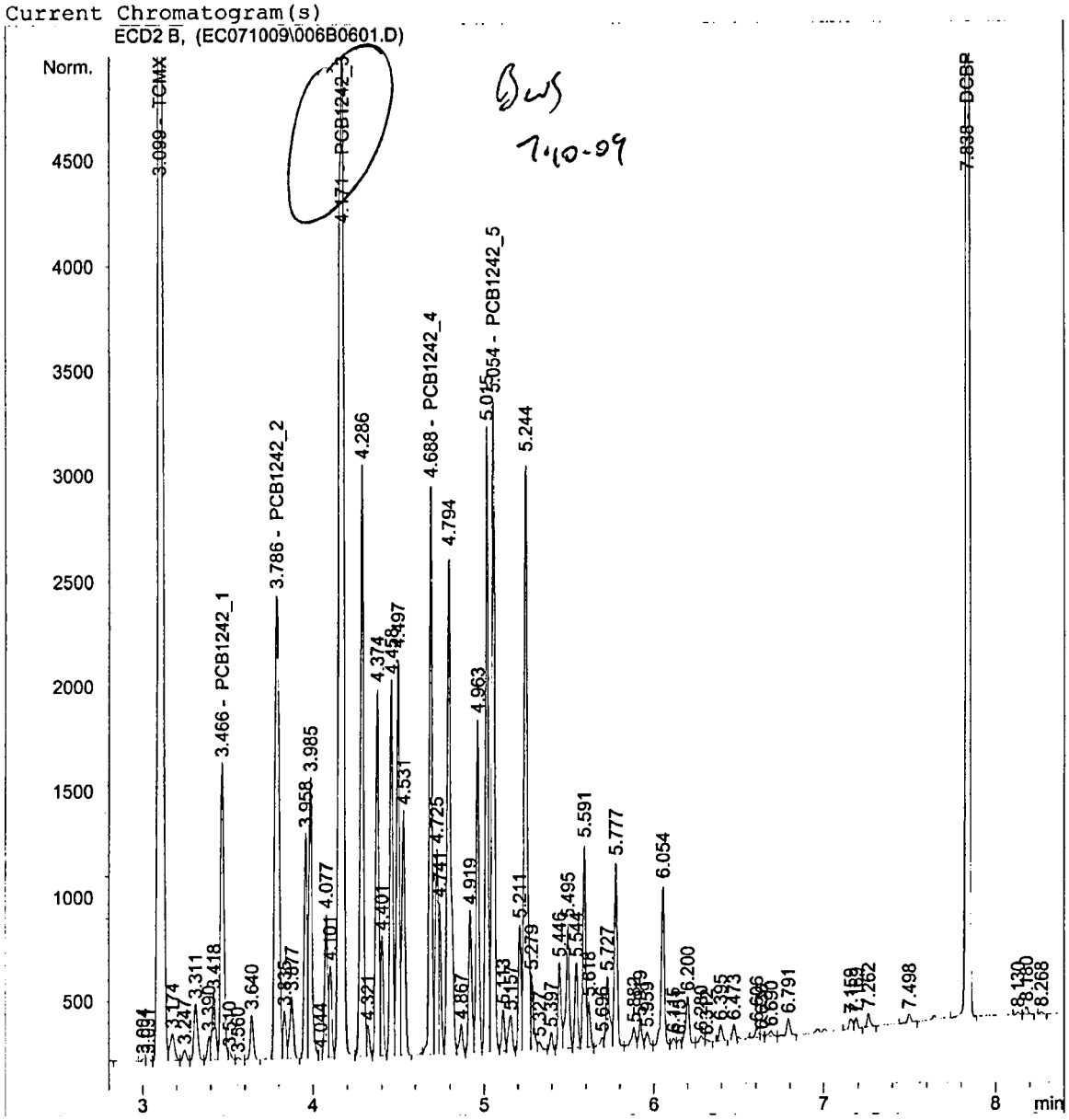
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.099	VV	1.50933e4	6.96014e-3	105.05165		TCMX
3.466	VV	2005.81506	5.02052e-1	1007.02349		PCB1242_1
3.786	BV	3978.00952	2.50280e-1	995.61496		PCB1242_2
4.171	FM	6576.11670	1.60742e-1	1057.05805		PCB1242_3
4.688	VV	3051.86450	3.40563e-1	1039.35063		PCB1242_4
5.054	VV	3701.05664	2.82040e-1	1043.84440		PCB1242_5
6.888		-	-	-		DBC
7.838	PB	1.51039e4	7.00432e-3	105.79292		DCBP

Totals : 5353.73611

BWS
7.10.09

Print of all graphic windows
Current Chromatogram(s)



ECD2 7/10/2009 11:07:31 AM BWS

Page 1 of 1

PCB Calibration Verification Summary

Sample ID: CVS-1248-1000
Instrument ID: ECD2

Date: 10-Jul-09 10:21
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1248	1	4.45805	4.42805	4.48805	1109.691947	1110.134295	-11.0
	2	4.687	4.657	4.717	1113.032345		
	3	5.05326	5.02326	5.08326	1116.914497		
	4	5.24347	5.21347	5.27347	1109.920414		
	5	5.58993	5.55993	5.61993	1101.112274		
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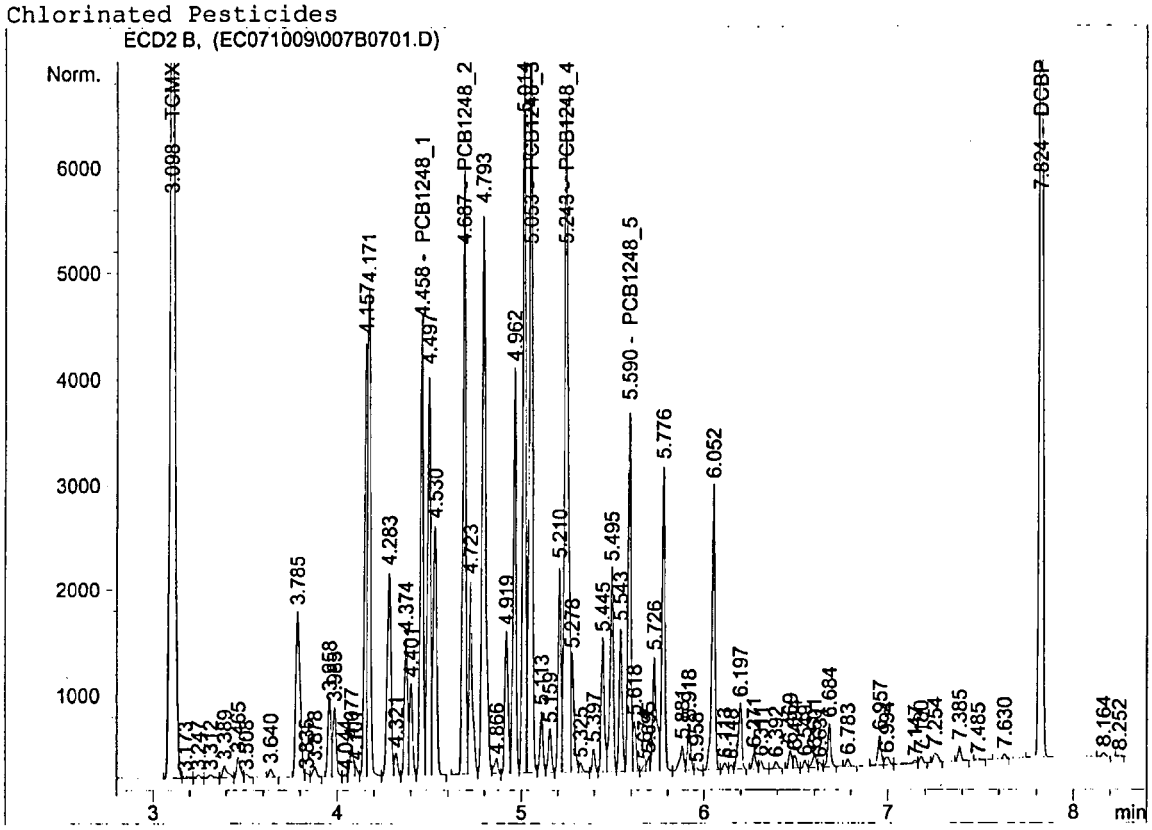
Injection Date : 7/10/2009 10:21:55 AM Seq. Line : 7
Sample Name : cvs-1248-1000 Location : Vial 7
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071009\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.098	VV	1.65004e4	6.74271e-3	111.25764		TCMX
4.458	VV	4750.75098	2.33582e-1	1109.69195		PCB1248_1
4.687	VV	6364.96631	1.74869e-1	1113.03235		PCB1248_2
5.053	VV	9307.48633	1.20002e-1	1116.91450		PCB1248_3
5.243	VV	9202.80371	1.20607e-1	1109.92041		PCB1248_4
5.590	VV	3782.62012	2.91098e-1	1101.11227		PCB1248_5
6.887		-	-	-		DBC
7.824	BB	1.62989e4	6.79265e-3	110.71294		DCBP

Totals : 5772.64206

BWS
7.10.09

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2
Date: 10-Jul-09 10:34
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.04765	5.01765	5.07765	1099.940991	1140.259154	-14.0
	2	5.21025	5.18025	5.24025	1195.19301		
	3	5.59045	5.56045	5.62045	1112.392479		
	4	5.77637	5.74637	5.80637	1120.721045		
	5	6.19824	6.16824	6.22824	1173.048247		
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	2						
	3						
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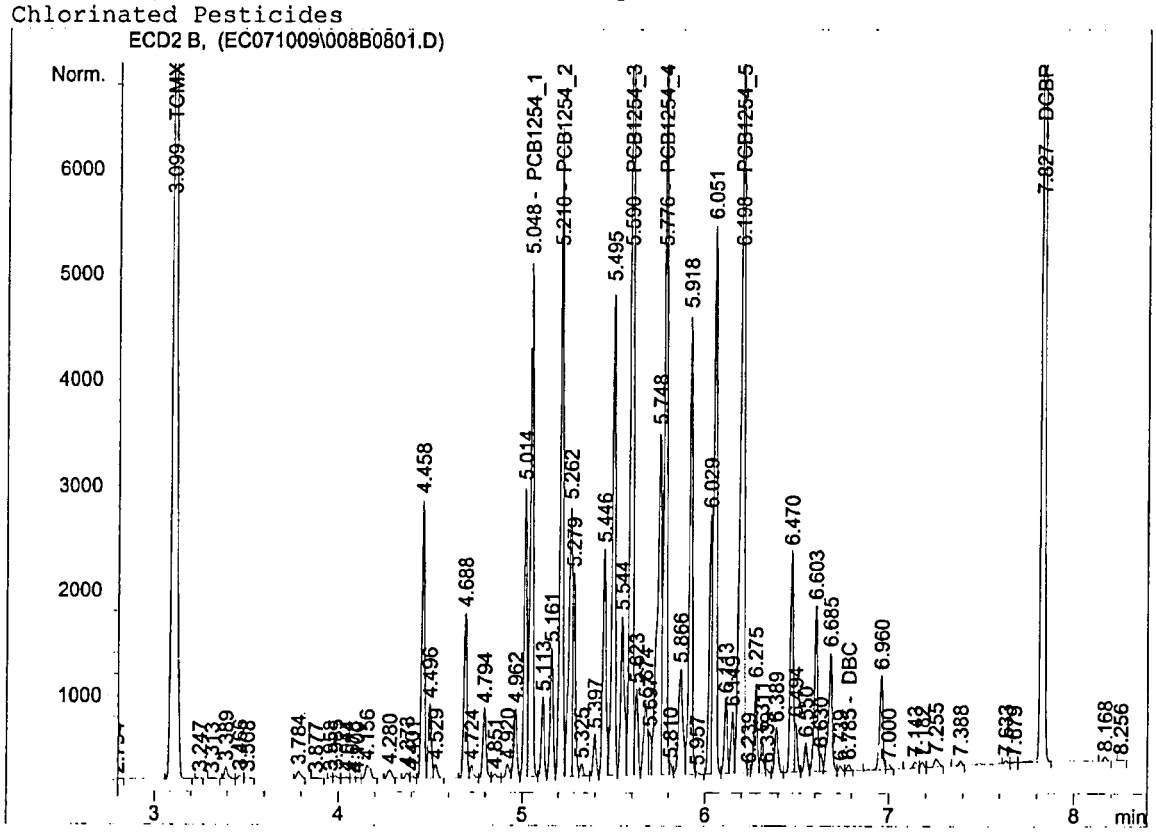
==================================================================
Injection Date  : 7/10/2009 10:34:41 AM          Seq. Line :   8
Sample Name     : cvs-1254-1000                   Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                           Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071009\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	VB	1.54108e4	7.15216e-3	110.22079		TCMX
5.048	VV	5835.82813	1.88481e-1	1099.94099		PCB1254_1
5.210	VV	6683.26904	1.78834e-1	1195.19301		PCB1254_2
5.590	VV	9939.59277	1.11915e-1	1112.39248		PCB1254_3
5.776	VV	8034.92920	1.39481e-1	1120.72104		PCB1254_4
6.198	VV	1.03879e4	1.12924e-1	1173.04825		PCB1254_5
6.785	VV	61.90027	0.00000	0.00000		DBC
7.827	VB	1.56071e4	7.10258e-3	110.85080		DCBP

Totals : 5922.36736

BWS 7.10.09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 10-Jul-09 10:47
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1016	1	3.46577	3.43577	3.49577	1091.694543	1083.659348	-8.37
	2	3.78637	3.75637	3.81637	1047.211788		
	3	4.17101	4.14101	4.20101	1102.367429		
	4	4.28527	4.25527	4.31527	1084.317566		
	5	4.68737	4.65737	4.71737	1092.705413		
Aroclor 1260	1	5.74783	5.71783	5.77783	1111.379853	1125.739514	-12.6
	2	5.91685	5.88685	5.94685	1122.857081		
	3	6.19533	6.16533	6.22533	1123.678404		
	4	6.68418	6.65418	6.71418	1137.517227		
	5	6.9571	6.9271	6.9871	1133.265003		
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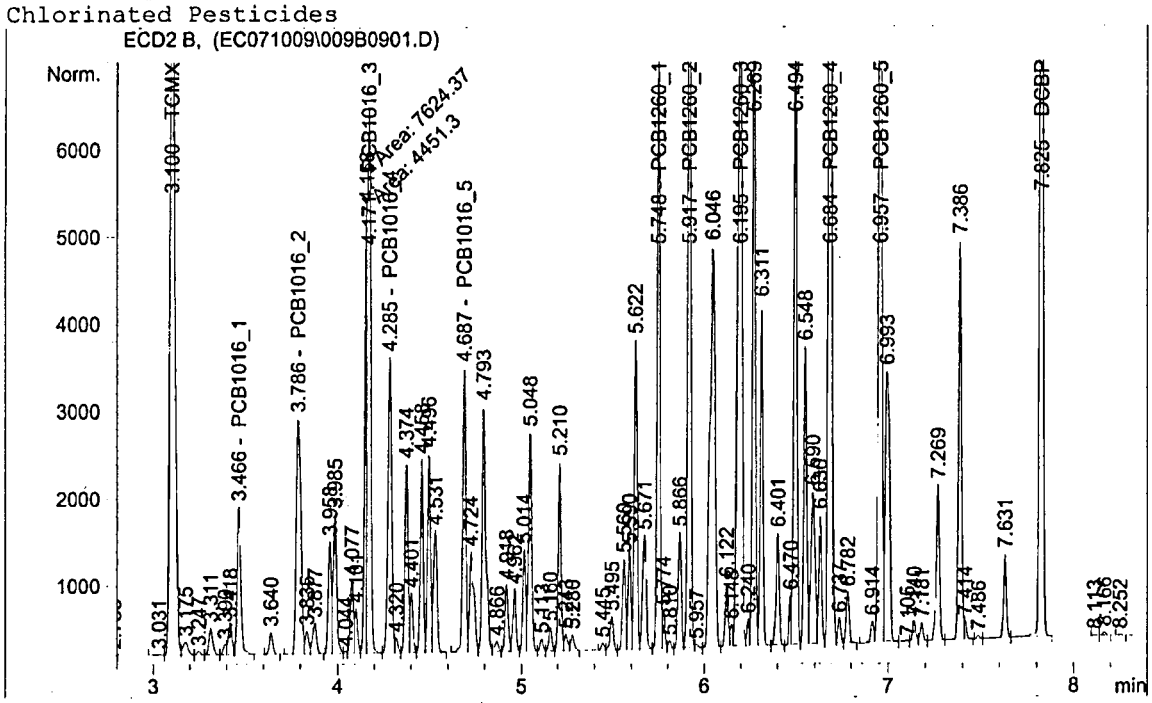
Injection Date : 7/10/2009 10:47:13 AM Seq. Line : 9
Sample Name : cvs-PCB-1000 Location : Vial 9
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071009\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

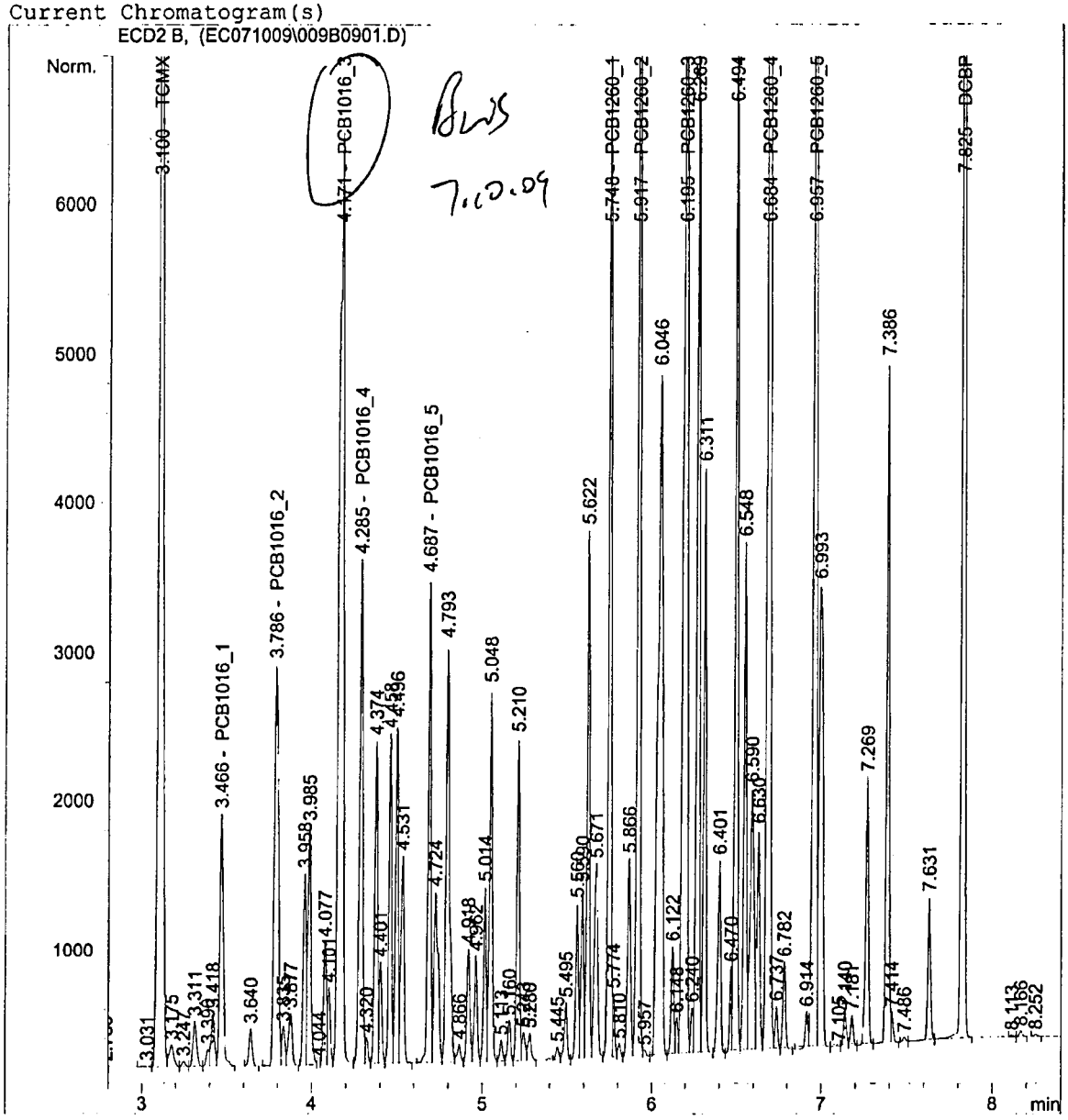
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	VV	1.56790e4	6.95446e-3	109.03930		TCMX
3.466	VB	2424.85791	4.50210e-1	1091.69454		PCB1016_1
3.786	BV	4830.46582	2.16793e-1	1047.21179		PCB1016_2
4.171	FM	7624.37158	1.44585e-1	1102.36743		PCB1016_3
4.285	VV	4528.36914	2.39450e-1	1084.31757		PCB1016_4
4.687	VV	3649.26074	2.99432e-1	1092.70541		PCB1016_5
5.748	VV	7431.32178	1.49553e-1	1111.37985		PCB1260_1
5.917	VV	1.05482e4	1.06450e-1	1122.85708		PCB1260_2
6.195	VV	1.31688e4	8.53287e-2	1123.67840		PCB1260_3
6.684	VV	2.05495e4	5.53550e-2	1137.51723		PCB1260_4
6.891		-	-	-		DBC
6.957	VV	1.32092e4	8.57939e-2	1133.26500		PCB1260_5
7.825	VB	1.60390e4	6.99421e-3	112.18005		DCBP

Totals : 1.12682e4

BWS
7-10-09

Print of all graphic windows
Current Chromatogram(s)

ECD2 B, (EC071009\009B0901.D)



PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 10-Jul-09 14:48
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.04752	5.01752	5.07752	995.7475143	1023.145466	-2.31
	2	5.21045	5.18045	5.24045	1079.153518		
	3	5.5898	5.5598	5.6198	997.390176		
	4	5.77656	5.74656	5.80656	1002.65787		
	5	6.19798	6.16798	6.22798	1040.778252		
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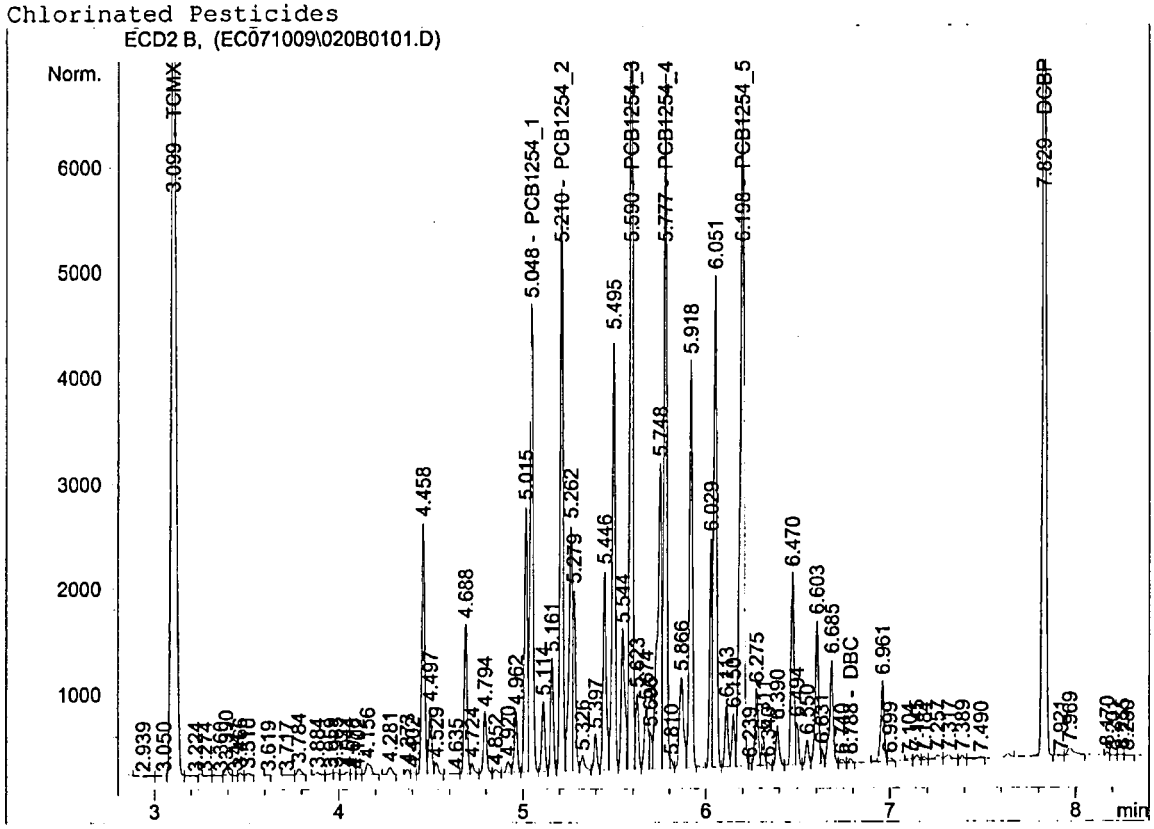
Injection Date  : 7/10/2009 2:48:37 PM          Seq. Line :   1
Sample Name     : cvs-1254-1000                  Location : Vial 20
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:45:10 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071009\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	PP	1.41422e4	7.16736e-3	101.36214		TCMX
5.048	VV	5276.74854	1.88705e-1	995.74751		PCB1254_1
5.210	VV	6042.44775	1.78595e-1	1079.15352		PCB1254_2
5.590	VV	8892.11621	1.12166e-1	997.39018		PCB1254_3
5.777	VV	7177.15039	1.39701e-1	1002.65787		PCB1254_4
6.198	VV	9211.88867	1.12982e-1	1040.77825		PCB1254_5
6.788	VV	40.90073	0.00000	0.00000		DBC
7.829	VB	1.42023e4	7.11682e-3	101.07542		DCBP

Totals : 5318.16490

BWS
7.10.09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 10-Jul-09 15:01
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1016	1	3.46511	3.43511	3.49511	1076.638526	1093.477353	-9.35
	2	3.78538	3.75538	3.81538	1084.285959		
	3	4.17052	4.14052	4.20052	1177.758412		
	4	4.28508	4.25508	4.31508	1057.92336		
	5	4.68689	4.65689	4.71689	1070.780509		
Aroclor 1260	1	5.7478	5.7178	5.7778	1091.508348	1100.21581	-10.0
	2	5.91679	5.88679	5.94679	1089.383566		
	3	6.19566	6.16566	6.22566	1106.961319		
	4	6.68403	6.65403	6.71403	1106.588051		
	5	6.95761	6.92761	6.98761	1106.637767		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
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	3						
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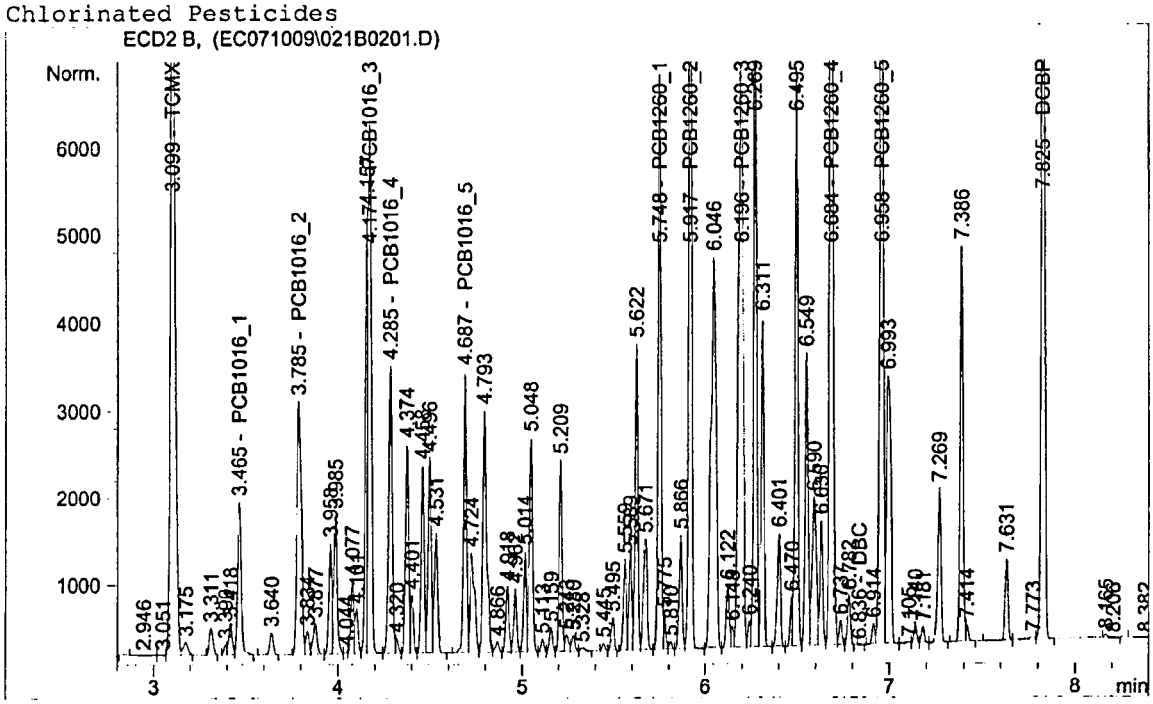
	5						
	1						
	2						
	3						
	4						
	5						

```
==================================================================
Injection Date  : 7/10/2009 3:01:09 PM          Seq. Line :   2
Sample Name     : cvs-PCB-1000                   Location : Vial 21
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071009\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:11:39 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	PV	1.53285e4	6.95867e-3	106.66587		TCMX
3.465	VP	2391.39063	4.50214e-1	1076.63853		PCB1016_1
3.785	BV	5003.30566	2.16714e-1	1084.28596		PCB1016_2
4.171	VV	8173.46143	1.44095e-1	1177.75841		PCB1016_3
4.285	VV	4416.97119	2.39513e-1	1057.92336		PCB1016_4
4.687	VV	3575.01831	2.99517e-1	1070.78051		PCB1016_5
5.748	VV	7296.56494	1.49592e-1	1091.50835		PCB1260_1
5.917	VV	1.02283e4	1.06507e-1	1089.38357		PCB1260_2
6.196	VV	1.29676e4	8.53638e-2	1106.96132		PCB1260_3
6.684	VV	1.99761e4	5.53956e-2	1106.58805		PCB1260_4
6.836	VB N	27.43709	1.22930e-1	3.37284		DBC
6.958	VV	1.28912e4	8.58444e-2	1106.63777		PCB1260_5
7.825	VB	1.57770e4	6.99669e-3	110.38651		DCBP

Totals : 1.11889e4

BWS
7.10.09

8082 QC, Blanks Raw Data

Paradigm Analytical Laboratories, INC.

4C

8082 METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB14608

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: PB14608 Extraction: (Type) 3520

Matrix: (soil/water) WATER Date Extracted: 2009-07-09

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID
01	GYD-EB-001	G368-72-2C
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
14		
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32		
33		

COMMENTS: _____

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB14608
Lab Project ID:
Initial Wt/Vol: 1000 ML
Final Volume: 5 mL
ColumnID: STX-CLPest

Analyzed By: BWS
Date Collected:
Date Received:
Date Extracted: 7/9/2009
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	0.500	0.0630	1	07/10/09	
Aroclor-1221	BQL	0.500	0.161	1	07/10/09	
Aroclor-1232	BQL	0.500	0.113	1	07/10/09	
Aroclor-1242	BQL	0.500	0.0510	1	07/10/09	
Aroclor-1248	BQL	0.500	0.0910	1	07/10/09	
Aroclor-1254	BQL	0.500	0.147	1	07/10/09	
Aroclor-1260	BQL	0.500	0.0790	1	07/10/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	69.0	69.0
DCBP	100	101	101

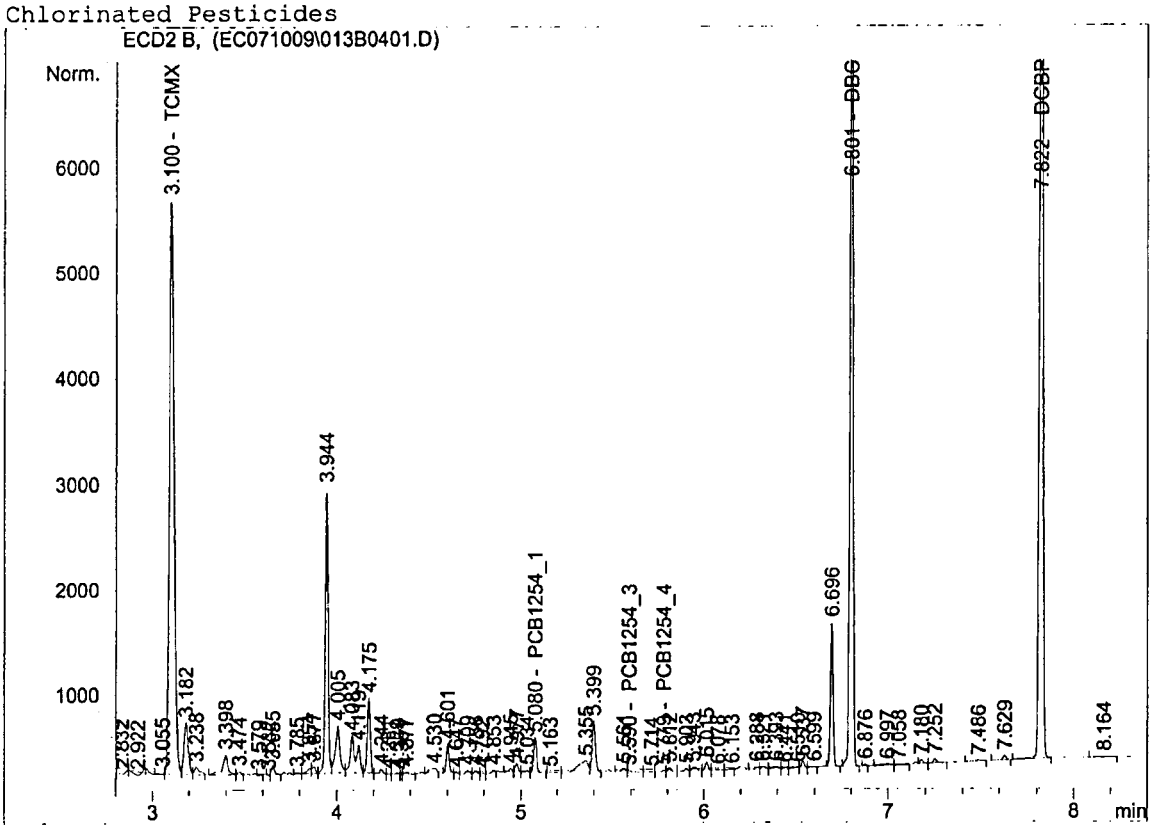
Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

```
==================================================================
Injection Date  : 7/10/2009 12:28:14 PM          Seq. Line :   4
Sample Name     : PB14608 x1                      Location : Vial 13
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                           Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071009\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 7/10/2009 3:22:29 PM by BWS
                  (modified after loading)
```

Chlorinated Pesticides

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==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	VV	9511.28418	7.25724e-3	69.02563		TCMX
5.080	VB	275.54007	2.31153e-1	63.69185		PCB1254_1
5.221		-	-	-		PCB1254_2
5.590	VB N	101.73216	3.17453e-1	32.29516		PCB1254_3
5.779	VV N	76.52210	3.31144e-1	25.33981		PCB1254_4
6.208		-	-	-		PCB1254_5
6.801	BB	9978.03125	0.00000	0.00000		DBC
7.822	BB	1.42424e4	7.11638e-3	101.35426		DCBP

Totals : 291.70672

BWS
7.10.09

QC Results for PCBs
by EPA 8082

Client Sample ID: Batch QC
LCS Labid: LCS14608
LCSD Labid: LCSD14608

Analyzed By: BWS
Matrix: WATER

Laboratory Control Spike / Laboratory Control Spike Duplicate Summary Results

Analyte	Spiked ug/L	LCS ug/L	REC %	Limit 40-110 #	LCSD ug/L	REC %	Limit 40-110 #	RPD %	Limit 30%
Aroclor-1254	5.0	5.250	105		4.960	99.2		5.68	

Surrogate Standards	Spike Added	Result ug/L	REC %	#	Result ug/L	REC %	#	Limits
TCMX	100	90.2	90.2		88.6	88.6		40 - 120
DCBP	100	92.8	92.8		88.2	88.2		40 - 120

Comments:

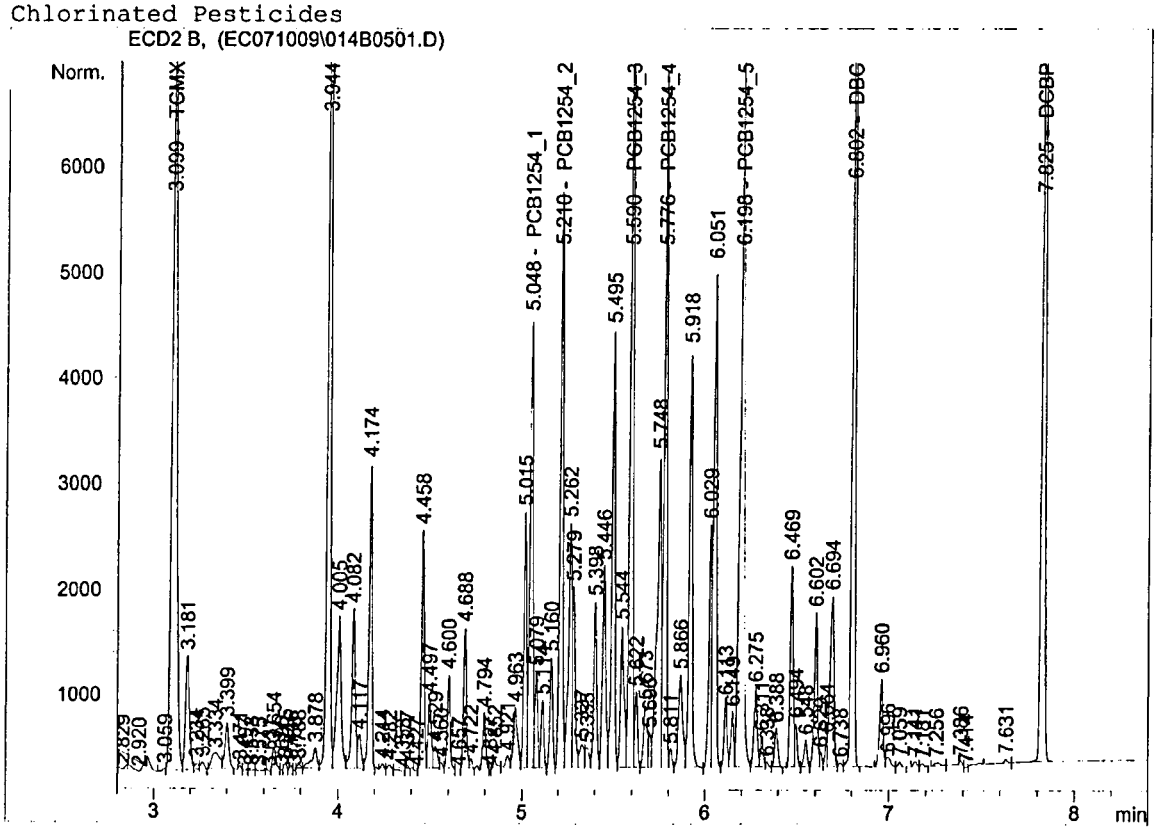
* = Outside Control Limits

Preparation and Analysis Summary

LCS Analysis Date/Time:	7/10/09 12:41	Prep Batch ID:	14608	
Filename:	014B0501.D	Extraction Date:	07/09/09	
LCSD Analysis Date/Time:	7/10/09 12:53	Prep method:	3520	
Filename:	015B0601.D	Initial Weight / Volume:	1000	ML
Analytical Batch:	EC071009	Final Extract Volume:	5.0	ML

Reviewed by: BWD

```
==================================================================
Injection Date  : 7/10/2009 12:41:02 PM          Seq. Line :   5
Sample Name     : LCS14608 x1                     Location : Vial 14
Acq. Operator   : BWS                                  Inj :   1
Acq. Instrument : ECD2                           Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071009\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 7/10/2009 3:22:29 PM by BWS
                  (modified after loading)
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]           [Hz*s]                 [ug/L]
-------|------|----------|----------|----------|--|-----------------
  3.099 VV      1.25453e4 7.19085e-3   90.21158 ✓  TCMX
  5.048 VV      5130.63330 1.88771e-1  968.51659    PCB1254_1
  5.210 VV      6075.93018 1.78609e-1 1085.21649    PCB1254_2
  5.590 VV      9068.71973 1.12119e-1 1016.77945    PCB1254_3
  5.776 VV      7304.63721 1.39665e-1 1020.20493    PCB1254_4
  6.198 VV      1.03051e4 1.12928e-1 1163.73530     PCB1254_5
  6.802 VB      9646.50391    0.00000    0.00000    DBC
  7.825 VB      1.30126e4 7.13128e-3   92.79659 ✓  DCBP

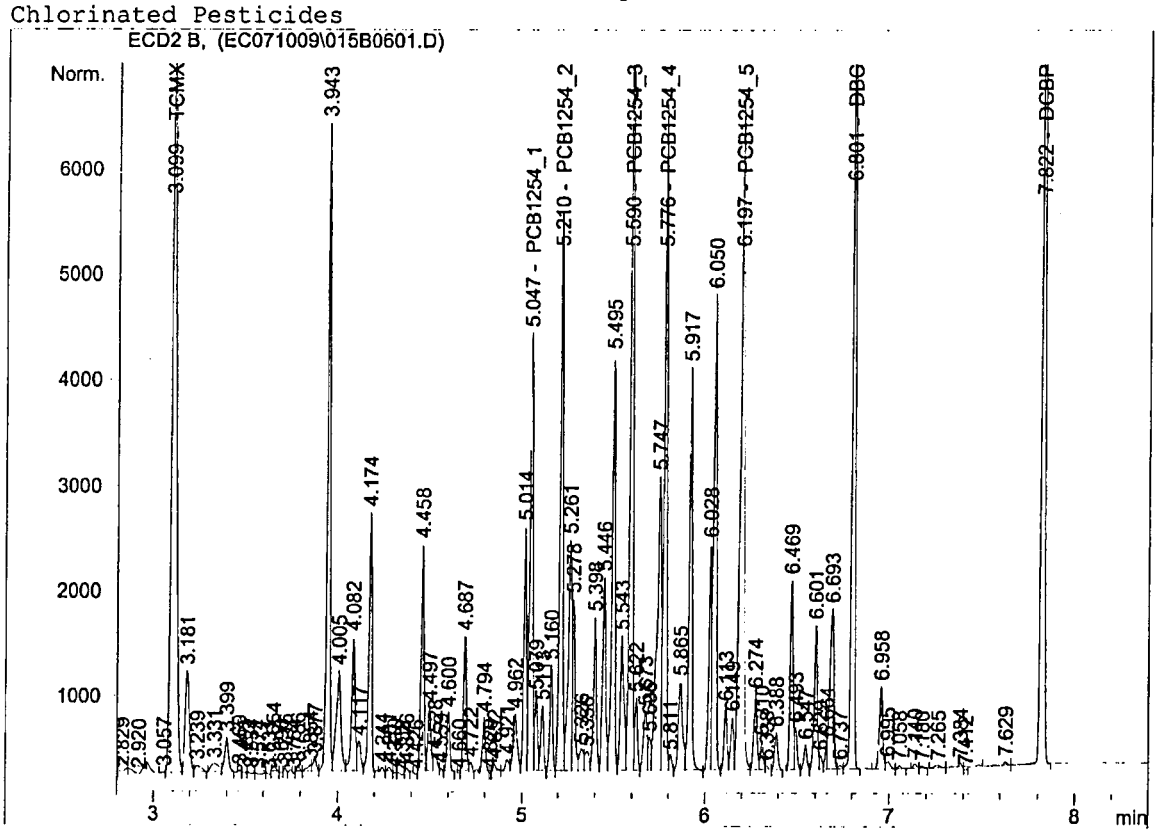
Totals :                                5437.46093
```

BWS
7.10.09

==========

Injection Date : 7/10/2009 12:53:56 PM Seq. Line : 6
Sample Name : LCSD14608 x1 Location : Vial 15
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071009\PCBMET~1\PCBMET~1\1254R.M
Last changed : 7/10/2009 3:22:29 PM by BWS
(modified after loading)

Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	VV	1.23186e4	7.19468e-3	88.62831	✓	TCMX
5.047	VV	4867.01318	1.88902e-1	919.38674		PCB1254_1
5.210	VV	5851.28662	1.78514e-1	1044.53819		PCB1254_2
5.590	VV	8536.51563	1.12265e-1	958.34884		PCB1254_3
5.776	VV	6883.41064	1.39789e-1	962.22804		PCB1254_4
6.197	VV	9516.25000	1.12966e-1	1075.01023		PCB1254_5
6.801	VB	9100.64063	0.00000	0.00000		DBC
7.822	VB	1.23496e4	7.14055e-3	88.18321	✓	DCBP

Totals : 5136.32356

BWS
7.10.09

Paradigm Analytical Laboratories, INC.

II

SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	S1 (TCMX) #	S2 (DCBP) #	QC LIMITS	TOT OUT
01	GYD-EB-001	G368-72-2C	90.5	52.9	40 - 140	
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
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15						
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S1 (TCMX) = Tetrachloro-m-xylene
S2 (DBCP) = Decachlorobiphenyl

8082 Sample Raw Data

Results for PCBs
by EPA 8082

Client Sample ID: GYD-EB-001
Client Project ID: Goodyear Dump
Lab Sample ID: G368-72-2C
Lab Project ID: G368-72
Initial Wt/Vol: 883 ML
Final Volume: 5 mL
ColumnID: STX-CLPest

Analyzed By: BWS
Date Collected: 7/8/2009 14:15
Date Received: 7/9/2009
Date Extracted: 7/9/2009
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	0.566	0.0713	1	07/10/09	
Aroclor-1221	BQL	0.566	0.182	1	07/10/09	
Aroclor-1232	BQL	0.566	0.128	1	07/10/09	
Aroclor-1242	BQL	0.566	0.0578	1	07/10/09	
Aroclor-1248	BQL	0.566	0.103	1	07/10/09	
Aroclor-1254	BQL	0.566	0.167	1	07/10/09	
Aroclor-1260	BQL	0.566	0.0895	1	07/10/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	90.5	90.5
DCBP	100	52.9	52.9

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

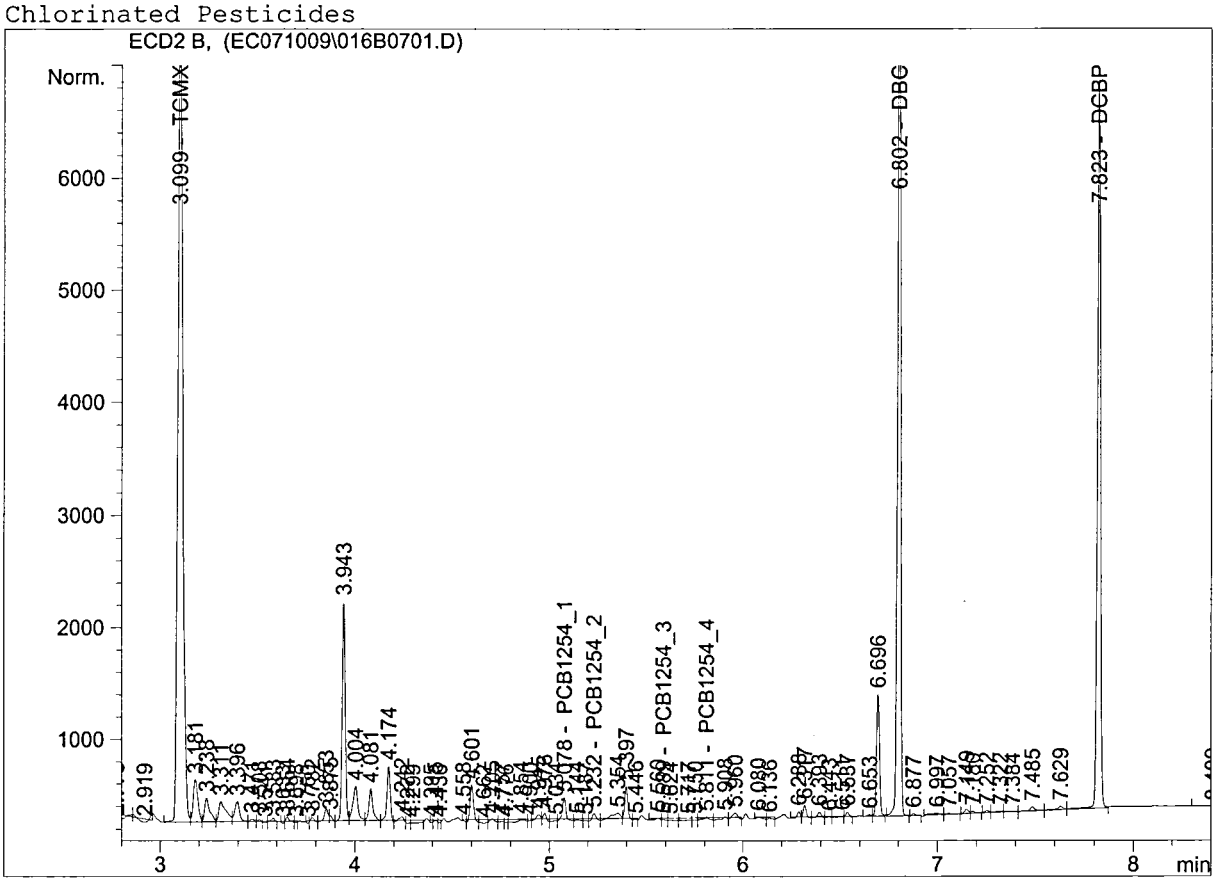
8082.xls

8

==========

Injection Date : 7/10/2009 1:06:45 PM Seq. Line : 7
Sample Name : G366-72-2C x1 BWS Location : Vial 16
Acq. Operator : BWS 8 Inj : 1
Acq. Instrument : ECD2 7.10.09 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071009\PCBMET~1\PCBMET~1\1254R.M
Last changed : 7/10/2009 3:31:35 PM by BWS
(modified after loading)

Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	BV	1.25830e4	7.19023e-3	90.47469	✓	TCMX
5.078	VV	172.39989	2.57947e-1	44.47002		PCB1254_1
5.232	VV	19.82176	0.00000	0.00000		PCB1254_2
5.589	VV N	30.46199	8.03310e-1	24.47042		PCB1254_3
5.811	VV N	62.78198	3.73493e-1	23.44864		PCB1254_4
6.208		-	-	-		PCB1254_5
6.802	BBA	8999.03418	0.00000	0.00000		DBC
7.823	VB	7282.51367	7.26713e-3	52.92301	✓	DCBP

BWS
7.10.09

Totals : 235.78678

Analytical Results
Tetra Tech
Project: Goodyear Dump Site
SGS Laboratory Number: G368-73

SGS North America, Inc.
5500 Business Drive
Wilmington, North Carolina 28405
Telephone: 910-350-1903

CASE NARRATIVE
Tetra Tech
Project: Goodyear Dump Site
SGS Laboratory Number: G368-73

DATE: July 23rd, 2009

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within. The Laboratory Manager or designee, as verified by the following signature has authorized release of the data contained in the hard copy data package.

SAMPLE RECEIPT OBSERVATIONS:

The samples were received July 15th, 2009 at 1000 via courier in good condition. The samples arrived with a temperature of 3.7° C.

Submitted by,

Linda McWhirter
Project Manager

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are 10% < %R < LCL; # of MEs are allowable and compounds are not detected in the sample.

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:
1) Metals and mercury samples are digested with a hot block; see the standard operating procedure document for details.
2) Uncertainty for all reported data is less than or equal to 30 percent.

SGS

6368.73

[redacted]
2000 W International Airport Road
Suite A10
Anchorage, AK 99502
phone 907.563.9200 fax 907.563.9210

Chain of Custody Record

[redacted]
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact		Project Manager: SHERRY WEEDMAN	Site Contact: TODD CURTIS	Date: 7-14-09	COC No:
Your Company Name here	TETRA TECH	Tel/Fax:	Lab Contact:	Carrier:	1 of 1 COCs
Address	2000 WARRINGTON WAY	Analysis Turnaround Time			Job No.
City/State/Zip	LOUISVILLE, KY	Calendar (C) or Work Days (W)			
(xxx) xxx-xxxx	Phone	TAT if different from Below 24 HRS			SDG No.
(xxx) xxx-xxxx	FAX	☐ 2 weeks			
Project Name:	GOODYEAR DUMP SITE	☐ 1 week			
Site:		☐ 2 days			
PO#		☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	LEAD TOTAL	PCB	Sample Specific Notes:
1 GYD-CS-10	7-14-09	1328	~~Grab~~ C	S	2		X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

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

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

Special Instructions/QC Requirements & Comments: REPORTS TO JESSICA VICKERS EMAIL: JESSICA.VICKERS@TTEMI.COM FAX: 678-775-3138
INVOICE TO: TETRA TECH
1955 EVERGREEN BLVD, BLDG 200, STE 300
DULUTH GA 30096
QUOTE #: 05-001-0098

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TETRA TECH	7-14-09 /2100	[signature]	SGS 3.7°C	7/15/09 1000
Relinquished by:	Company:	Date/Time:	Received by: NO CUSTODY	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

SGS Environmental Services, Inc.

Cust Proj ID: Goodyear Dump Site
Client Name: Tetra Tech EM, Inc. PO:

G368-73

Due Date: 2009-07-16 17:00:00
Login Date: 2009-07-15 10:56:30

Sample ID		Cust Sample ID	PRI	Date Collected	Date Received	Date Due	Matrix	LOC	Report	Analysis	Status
G368-73-1	A	GYD-CS-10	**RUSH**	2009-07-14 13:28:00	2009-07-15	2009-07-16	Soil	L1	Full + J's	Pb	LG::REVW
	B					2009-07-16	Soil	W1C	Full + J's	8082-Soil	LG::REVW

Sample Receipt Checklist (SRC)

SGS Environmental Services

Client: **Tetra Tech EM, Inc.** Lab Proj. ID: **G368-73**

Client Proj. ID: **Goodyear Dump Site**

1. X Shipped
Hand Delivered
Notes:

2. X Proper, full, and complete documentation
(unique sample identification on durable label with indelible ink, location of collection, date/time of collection, collector's name, preservation type, sample type (method/matrix))
__ Acceptable documentation (but, incomplete)
__ Unacceptable documentation
Notes:

3. __ Custody Tape on Container
x No Custody Tape
Notes:

4. X Samples Intact*
(are in appropriate container, are not damaged, and do not show signs of contamination)
__ Samples Broken / Leaking
__ VOA Vials Checked for Air Bubbles
Notes:

5. X Chilled on Receipt* Actual Temp.(s) in °C: 3.7
Ambient on Receipt
__ Walk-in on Ice; Coming down to temp.
__ Received out of temperature protocol
Notes:

6. X Sufficient Sample Submitted
__ Insufficient Sample Submitted
Notes:

7. X Samples Preserved Correctly*
(see preservative checklist where applicable)
__ Improper Preservative(s)
__ None recommended (N/A)
Notes:

8. X Received Within Holding Time
__ Not Received Within Holding Time
__ N/A
Notes:

9. X No Discrepancies Noted
__ Discrepancies Noted
Notes:

Comments:

* = Rejection of sample is required when not marked; Contact client services immediately for a resolution.

Inspected and Logged in by:

DC27.040307.4

Date / Time: Wed-7/15/09 11:08

CASE NARRATIVE
Tetra Tech
Project: Goodyear Dump Site
SGS Laboratory Number: G368-73

DATE: July 23rd, 2009

PCB REPORT:

The samples were analyzed for PCB's according to the guidelines of Method SW8082.

The PCB responses were quantitated by the Aroclor multi-component analysis, using at minimum three unique peaks of the pattern.

All initial calibration verifications and continuing calibration verifications met acceptance criteria. The 5-pt. initial calibration consists of Aroclor s 1221, 1232, 1242, 1248, 1254, PCB 1016/1260 and Surrogates.

The surrogate standard percent recoveries were within quality control criteria.

The method blank was free of interferences.

The reported recovery of Aroclor-1254 in the LCS associated with batch 14646 exceeds the established in-house control limits, but meets the method's QC recovery limits.

The Quantitation Limits (RL) are adjusted for percent solids, dilution factors and extraction volumes as applicable.

The sampling to extraction holding time and extraction to analysis holding time was met for the samples.

8082 Prep, Standard, Run Logs

Prep Report for Batch 14646 (8082/3541/SOIL) on 2009-07-15 by dtf

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot	HexaneLot	Balance
G185-419-1K (632280)		32.05			8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
G185-419-1L (632281)	MS	34.90	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
G185-419-1M (632282)	MSD	33.35	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
G368-73-1G (632279)		31.65			8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
LCS14646	LCS	32.0	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
PB14646	PB	32.0			8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	6/16/2009 12:07					BWS	
001B0102.D	b	6/16/2009 12:19					BWS	
001B0103.D	b	6/16/2009 12:32					BWS	
001B0104.D	b	6/16/2009 12:45					BWS	
001B0105.D	b	6/16/2009 12:58					BWS	
002B0201.D	PCB 2000	6/16/2009 13:11					BWS	
002B0202.D	PCB 2000	6/16/2009 13:24					BWS	
002B0203.D	PCB 2000	6/16/2009 13:37					BWS	
002B0204.D	PCB 2000	6/16/2009 13:50					BWS	
002B0205.D	PCB 2000	6/16/2009 14:02					BWS	
003B0301.D	b	6/16/2009 14:15					BWS	
003B0302.D	b	6/16/2009 14:28					BWS	
003B0303.D	b	6/16/2009 14:40					BWS	
003B0304.D	b	6/16/2009 14:53					BWS	
003B0305.D	b	6/16/2009 15:06					BWS	
004B0401.D	A1221 x2000 ICAL	6/16/2009 15:19	Good curve F+B	✓	✓		BWS	
005B0501.D	A1221 x1000 ICAL	6/16/2009 15:32	↓	↓	↓		BWS	
006B0601.D	A1221 x500 ICAL	6/16/2009 15:45	↓	↓	↓		BWS	
007B0701.D	A1221 x200 ICAL	6/16/2009 15:57	↓	↓	↓		BWS	
008B0801.D	A1221 x100 ICAL	6/16/2009 16:10	↓	↓	↓		BWS	
009B0901.D	A1221 x40 ICAL	6/16/2009 16:23	↓	↓	↓		BWS	
010B1001.D	A1232 x2000 ICAL	6/16/2009 16:36	Good curve F+B	✓	✓		BWS	
011B1101.D	A1232 x1000 ICAL	6/16/2009 16:49	↓	↓	↓		BWS	
012B1201.D	A1232 x500 ICAL	6/16/2009 17:02	↓	↓	↓		BWS	

Analyst: [illegible]

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
013B1301.D	A1232 x200 ICAL	6/16/2009 17:15	Good Curve F + B	✓	✓		BWS	
014B1401.D	A1232 x100 ICAL	6/16/2009 17:28		↓	↓		BWS	
015B1501.D	A1232 x40 ICAL	6/16/2009 17:40		↓	↓		BWS	
016B1601.D	A1242 x2000 ICAL	6/16/2009 17:53	Good Curve F+B	✓	✓		BWS	
017B1701.D	A1242 x1000 ICAL	6/16/2009 18:06		↓	↓		BWS	
018B1801.D	A1242 x500 ICAL	6/16/2009 18:19		↓	↓		BWS	
019B1901.D	A1242 x200 ICAL	6/16/2009 18:32		↓	↓		BWS	
020B2001.D	A1242 x100 ICAL	6/16/2009 18:45		↓	↓		BWS	
021B2101.D	A1242 x40 ICAL	6/16/2009 18:58		↓	↓		BWS	
022B2201.D	A1248 x2000 ICAL	6/16/2009 19:11	Good Curve F + B	✓	✓		BWS	
023B2301.D	A1248 x1000 ICAL	6/16/2009 19:24		↓	↓		BWS	
024B2401.D	A1248 x500 ICAL	6/16/2009 19:37		↓	↓		BWS	
025B2501.D	A1248 x200 ICAL	6/16/2009 19:49		↓	↓		BWS	
026B2601.D	A1248 x100 ICAL	6/16/2009 20:02		↓	↓		BWS	
027B2701.D	A1248 x40 ICAL	6/16/2009 20:15		↓	↓		BWS	
028B2801.D	A1254 x2000 ICAL	6/16/2009 20:28	Good Curve F + B	✓	✓		BWS	
029B2901.D	A1254 x1000 ICAL	6/16/2009 20:41		↓	↓		BWS	
030B3001.D	A1254 x500 ICAL	6/16/2009 20:54		↓	↓		BWS	
031B3101.D	A1254 x200 ICAL	6/16/2009 21:07		↓	↓		BWS	
032B3201.D	A1254 x100 ICAL	6/16/2009 21:20		↓	↓		BWS	
033B3301.D	A1254 x40 ICAL	6/16/2009 21:33		↓	↓		BWS	
034B3401.D	PCB x2000 ICAL	6/16/2009 21:46	Good Curve F+ B	✓	✓		BWS	
035B3501.D	PCB x1000 ICAL	6/16/2009 21:58		↓	↓		BWS	

Analyst: [illegible]

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 2

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
036B3601.D	PCB x500 ICAL	6/16/2009 22:11	Good Curve F + B	✓	✓		BWS	
037B3701.D	PCB x200 ICAL	6/16/2009 22:24					BWS	
038B3801.D	PCB x100 ICAL	6/16/2009 22:37					BWS	
039B3901.D	PCB x40 ICAL	6/16/2009 22:50					BWS	
040B4001.D	cvs-1221-1000	6/16/2009 23:03			✓		BWS	
041B4101.D	cvs-1232-1000	6/16/2009 23:16			✓		BWS	
042B4201.D	cvs-1242-1000	6/16/2009 23:29			✓		BWS	
043B4301.D	cvs-1248-1000	6/16/2009 23:42			✓		BWS	
044B4401.D	cvs-1254-1000	6/16/2009 23:55			✓		BWS	
045B4501.D	cvs-PCB-1000	6/17/2009 0:07			✓		BWS	
046B4601.D	PB14434 x1	6/17/2009 0:20			✓		BWS	
047B4701.D	LCS14434 x1	6/17/2009 0:33			✓		BWS	
048B4801.D	LCSD14434 x1	6/17/2009 0:46			✓		BWS	
049B4901.D	G582-382-1O x100	6/17/2009 0:59	54-5; 60-3 (54,60)		~~X200~~ ✓		BWS	
050B5001.D	G582-386-1J x1	6/17/2009 1:12	54-5; 60-3 (54,60)		✓		BWS	
051B5101.D	G582-387-1I x1	6/17/2009 1:25			x5		BWS	
052B5201.D	G100-1090-6D x1	6/17/2009 1:38			✓		BWS	
044B5301.D	cvs-1254-1000	6/17/2009 1:50			✓		BWS	
045B5401.D	cvs-PCB-1000	6/17/2009 2:03			✓		BWS	
		BWS	6.17.09					

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 3

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082 | Initial Cal. Curve: 06/16/09

Matrix: Soil/Water | Batch: ec071609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	7/16/2009 8:40					BWS	
002B0201.D	b	7/16/2009 8:53					BWS	
003B0301.D	b	7/16/2009 9:06					BWS	
004B0401.D	cvs-1221-1000	7/16/2009 9:19			✓		BWS	
005B0501.D	cvs-1232-1000	7/16/2009 9:32			✓		BWS	
006B0601.D	cvs-1242-1000	7/16/2009 9:44			✓		BWS	
007B0701.D	cvs-1248-1000	7/16/2009 9:57			✓		BWS	
008B0801.D	cvs-1254-1000	7/16/2009 10:10			✓		BWS	
009B0901.D	cvs-PCB-1000	7/16/2009 10:23			✓		BWS	
010B1001.D	G368-73-1G x1	7/16/2009 10:36			x2		BWS	
011B1101.D	G719-130-1B x5	7/16/2009 10:49	DNT		✓		BWS	
012B1201.D	PB14646 x1	7/16/2009 11:01			✓		BWS	
013B1301.D	LCS14646 x1	7/16/2009 11:14			✓		BWS	
014B1401.D	PB14648 x1	7/16/2009 11:27			✓		BWS	
015B1501.D	LCS14648 x1	7/16/2009 11:40			✓		BWS	
016B1601.D	LCSD14648 x1	7/16/2009 11:53			✓		BWS	
017B1701.D	G368-73-1G x2	7/16/2009 12:06	(1248)		✓		BWS	
018B1801.D	cvs-1254-1000	7/16/2009 12:19			✓		BWS	
019B1901.D	cvs-PCB-1000	7/16/2009 12:31			✓		BWS	
020B0101.D	G185-419-1K x1	7/16/2009 12:58			✓		BWS	
021B0201.D	G185-419-1L MS x1	7/16/2009 13:10	peaks 1, 2 cid= 632281 no interference		✓		BWS	
022B0301.D	G185-419-1M MSD x1	7/16/2009 13:23	↓ cid= 632282 ↓		✓		BWS	
023B0401.D	cvs-1254-1000	7/16/2009 13:36	bad injection		✓		BWS	

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

8082 Calibration Raw Data

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	245.3261566	2.81282
		2	155.8206329	2.9226999
		3	638.8563843	2.9537599
		4	0	0
		5	0	0
	100	1	500.9041748	2.8134401
		2	303.3854675	2.92314
		3	1263.362671	2.9544599
		4	0	0
		5	0	0
	200	1	1008.540039	2.8132801
		2	614.2987671	2.9228699
		3	2581.186279	2.9542
		4	0	0
		5	0	0
	500	1	2391.794678	2.8136101
		2	1448.612183	2.9233999
		3	5996.157715	2.9551401
		4	0	0
		5	0	0
	1000	1	5249.20459	2.8127799
		2	2938.137451	2.92238
		3	12695.41699	2.9535899
		4	0	0
		5	0	0
	2000	1	10792.90527	2.81248
		2	5933.97168	2.92207
		3	25705.44531	2.9533701
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	2.7831	2.8431
2	2.8928	2.9528
3	2.9241	2.9841
4		
5		

Peak	Correlation Coefficient (r)
1	0.999547291
2	0.99993285
3	0.999800257
4	
5	

Peak	Slope (y)
1	0.184846976
2	0.338626207
3	0.077910074
4	
5	

Peak	Intercept (b)
1	18.03074848
2	-3.063931603
3	5.287071647
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	128.4451447	3.47328
		2	130.5376434	3.7929001
		3	138.2742157	4.1808
		4	77.82170105	4.6981201
		5	96.44385529	5.0638099
	100	1	216.2887573	3.4734199
		2	200.2416382	3.79285
		3	210.9858551	4.1808701
		4	116.2147293	4.6984401
		5	142.0018921	5.0647101
	200	1	486.6502991	3.4735601
		2	427.340332	3.7934599
		3	469.4269409	4.1813598
		4	247.6925964	4.6983299
		5	301.9916687	5.0646
	500	1	1370.64856	3.4731901
		2	1150.080566	3.7936101
		3	1341.419922	4.1807799
		4	687.4240723	4.6979799
		5	817.4537964	5.0646801
	1000	1	2691.677979	3.4730201
		2	2218.20874	3.7932701
		3	2850.830322	4.1803799
		4	1341.828247	4.6978002
		5	1594.224243	5.0641999
	2000	1	5829.130859	3.4735501
		2	4788.60791	3.7937801
		3	7059.396484	4.1809101
		4	2918.447266	4.6979399
		5	3467.224609	5.06462

Peak	RT Window From	RT Window To
1	3.4433	3.5033
2	3.7633	3.8233
3	4.1508	4.2108
4	4.6681	4.7281
5	5.0344	5.0944

Peak	Correlation Coefficient (r)
1	0.999266493
2	0.999219182
3	0.995103716
4	0.999080518
5	0.999057834

✓

Peak	Slope (y)
1	0.342282466
2	0.419088189
3	0.280616234
4	0.686112548
5	0.578432121

Peak	Intercept (b)
1	28.29322338
2	17.30362431
3	75.4780663
4	23.70756688
5	21.14125161

PCB Initial Calibration Summary

Sample ID: A1242
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	113.9381485	3.47331
		2	252.1701965	3.7927699
		3	246.2476196	4.1816001
		4	149.9369507	4.69876
		5	173.3050385	5.0646601
	100	1	207.6104431	3.4740601
		2	414.2875061	3.7943499
		3	543.1567383	4.1816502
		4	276.8204651	4.6985002
		5	336.6770325	5.06496
	200	1	395.3930054	3.4739399
		2	780.1361694	3.79441
		3	1045.235474	4.18186
		4	536.1246948	4.6989398
		5	648.7318115	5.0650902
	500	1	960.0159912	3.47364
		2	1938.765625	3.79444
		3	2829.961426	4.1811299
		4	1360.825806	4.6981301
		5	1634.499023	5.06464
	1000	1	2033.830322	3.4737101
		2	4071.440674	3.7948501
		3	6488.691406	4.18156
		4	2958.269775	4.6987901
		5	3563.592041	5.0651002
	2000	1	3962.707275	3.4741099
		2	7946.291992	3.79532
		3	12468.87988	4.1816802
		4	5915.206055	4.6987801
		5	7151.570801	5.0652599

Peak	RT Window From	RT Window To
1	3.4438	3.5038
2	3.7644	3.8244
3	4.1516	4.2116
4	4.6687	4.7287
5	5.0350	5.0950

Peak	Correlation Coefficient (r)
1	0.999808258
2	0.999804811
3	0.999330689
4	0.999726656
5	0.999718569

✓

Peak	Slope (y)
1	0.504723015
2	0.251962874
3	0.157819658
4	0.336631004
5	0.278421794

Peak	Intercept (b)
1	-5.498271349
2	-6.834562602
3	18.65946912
4	11.78013154
5	13.16229906

PCB Initial Calibration Summary

Sample ID: A1248
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	180.3321991	4.46912
		2	266.9612122	4.6998501
		3	314.8575134	5.0650902
		4	283.4669495	5.2547898
		5	125.6370163	5.6012502
	100	1	311.6848145	4.4682598
		2	390.6215515	4.6981702
		3	563.4898682	5.0645099
		4	539.5948486	5.2544198
		5	232.8683472	5.6003799
	200	1	701.99823	4.4685998
		2	905.8077393	4.6981902
		3	1303.56958	5.0648398
		4	1268.165771	5.2543702
		5	535.5101318	5.6005902
	500	1	1901.684937	4.4695501
		2	2512.919678	4.69941
		3	3658.345947	5.0655298
		4	3585.534424	5.2551899
		5	1494.218994	5.6015201
	1000	1	4111.20459	4.4686298
		2	5394.391602	4.6985502
		3	7994.771484	5.0648599
		4	7896.041504	5.2544498
		5	3272.715576	5.60109
	2000	1	8806.677734	4.4691
		2	11836.07129	4.6990199
		3	17186.01758	5.0652699
		4	17175.9707	5.25488
		5	7110.137695	5.6010199

Peak	RT Window From	RT Window To
1	4.4389	4.4989
2	4.6689	4.7289
3	5.0350	5.0950
4	5.2247	5.2847
5	5.5710	5.6310

Peak	Correlation Coefficient (r)
1	0.999214642
2	0.998741491
3	0.9991701
4	0.99898148
5	0.998990615

✓

Peak	Slope (y)
1	0.225261722
2	0.167686467
3	0.115080361
4	0.114998218
5	0.278205875

Peak	Intercept (b)
1	38.79213832
2	44.52374958
3	45.01435743
4	50.65762646
5	47.83472661

PCB Initial Calibration Summary

Sample ID: A1254
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	229.1189117	5.0585999
		2	249.3790131	5.2213602
		3	330.6585693	5.60078
		4	261.4362183	5.7873101
		5	341.5723877	6.2081499
	100	1	447.2060547	5.0588102
		2	505.8791199	5.22156
		3	680.1452026	5.6012301
		4	629.8706055	5.7874298
		5	720.9144897	6.20858
	200	1	926.4535522	5.0589399
		2	987.8835449	5.2212801
		3	1473.576904	5.60076
		4	1242.702637	5.78721
		5	1477.556396	6.2087498
	500	1	2630.861328	5.0586801
		2	2990.208008	5.2210898
		3	4376.578613	5.6012101
		4	3507.077637	5.7876501
		5	4512.064941	6.20889
	1000	1	5308.978027	5.0584302
		2	6097.466797	5.2210202
		3	8935.365234	5.6009202
		4	7195.558105	5.7871099
		5	9338.537109	6.2082801
	2000	1	10664.68945	5.0589399
		2	10872.67285	5.2214198
		3	18025.05078	5.60109
		4	14417.08203	5.7869501
		5	17500.42969	6.2084498

Peak	RT Window From	RT Window To
1	5.0287	5.0887
2	5.1913	5.2513
3	5.5710	5.6310
4	5.7573	5.8173
5	6.1785	6.2385

Peak	Correlation Coefficient (r)
1	0.999915636
2	0.99777029
3	0.999890888
4	0.99993799
5	0.999128405

✓

Peak	Slope (y)
1	0.186334645
2	0.180272726
3	0.1097659
4	0.137621182
5	0.112275523

Peak	Intercept (b)
1	12.44642635
2	-12.09119839
3	21.26104952
4	14.88497466
5	5.810303883

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	121.0674515	3.47349
		2	251.3697815	3.79391
		3	263.068573	4.1812401
		4	195.8108978	4.2961798
		5	160.0380554	4.6985602
	100	1	217.4214935	3.47403
		2	437.2928162	3.79476
		3	485.585144	4.1816101
		4	360.8550415	4.2965102
		5	295.4402771	4.69875
	200	1	459.3583984	3.47331
		2	925.944458	3.7941699
		3	1129.475098	4.18115
		4	785.0092773	4.2961998
		5	634.2442017	4.6986198
	500	1	1173.999146	3.4734199
		2	2337.430176	3.7948301
		3	3116.475342	4.1812501
		4	2094.157959	4.29603
		5	1677.998413	4.6981301
	1000	1	2033.769165	3.47434
		2	4170.358398	3.7955101
		3	5876.343262	4.1814098
		4	4022.451172	4.2962298
		5	3104.989746	4.6984301
	2000	1	4519.233398	3.4735301
		2	9469.867188	3.79459
		3	14670.11328	4.1814399
		4	8460.355469	4.2961302
		5	6825.107422	4.6985202

Peak	RT Window From	RT Window To
1	3.4437	3.5037
2	3.7646	3.8246
3	4.1513	4.2113
4	4.2662	4.3262
5	4.6685	4.7285

Peak	Correlation Coefficient (r)
1	0.998355568
2	0.997966813
3	0.995224524
4	0.999664696
5	0.99891501

Peak	Slope (y)
1	0.448394325
2	0.213628789
3	0.135993496
4	0.236777332
5	0.294674522

Peak	Intercept (b)
1	2.917677126
2	13.63103358
3	61.09697749
4	11.80448894
5	16.37941922

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	317.7681885	5.7591901
		2	382.4143982	5.9278698
		3	472.3563538	6.20647
		4	666.4926147	6.69345
		5	445.2432251	6.9662399
	100	1	561.5331421	5.75875
		2	743.8937378	5.9271998
		3	927.6226196	6.2058802
		4	1324.988892	6.6930399
		5	870.4468384	6.9654398
	200	1	1251.001831	5.7593498
		2	1690.699341	5.9280801
		3	2103.305664	6.20682
		4	3117.929688	6.6939502
		5	2021.848267	6.9668102
	500	1	3357.37085	5.7589998
		2	4654.072754	5.9275799
		3	5743.004883	6.2065001
		4	8792.444336	6.6933098
		5	5652.148438	6.96594
	1000	1	6291.233887	5.7596598
		2	9044.022461	5.9281502
		3	10616.62402	6.2068701
		4	17067.61328	6.6947699
		5	11121.81738	6.9676399
	2000	1	13629.30078	5.7596002
		2	19083.54102	5.9280601
		3	24213.02539	6.2066202
		4	36985.36719	6.6940398
		5	23803.99414	6.9664102

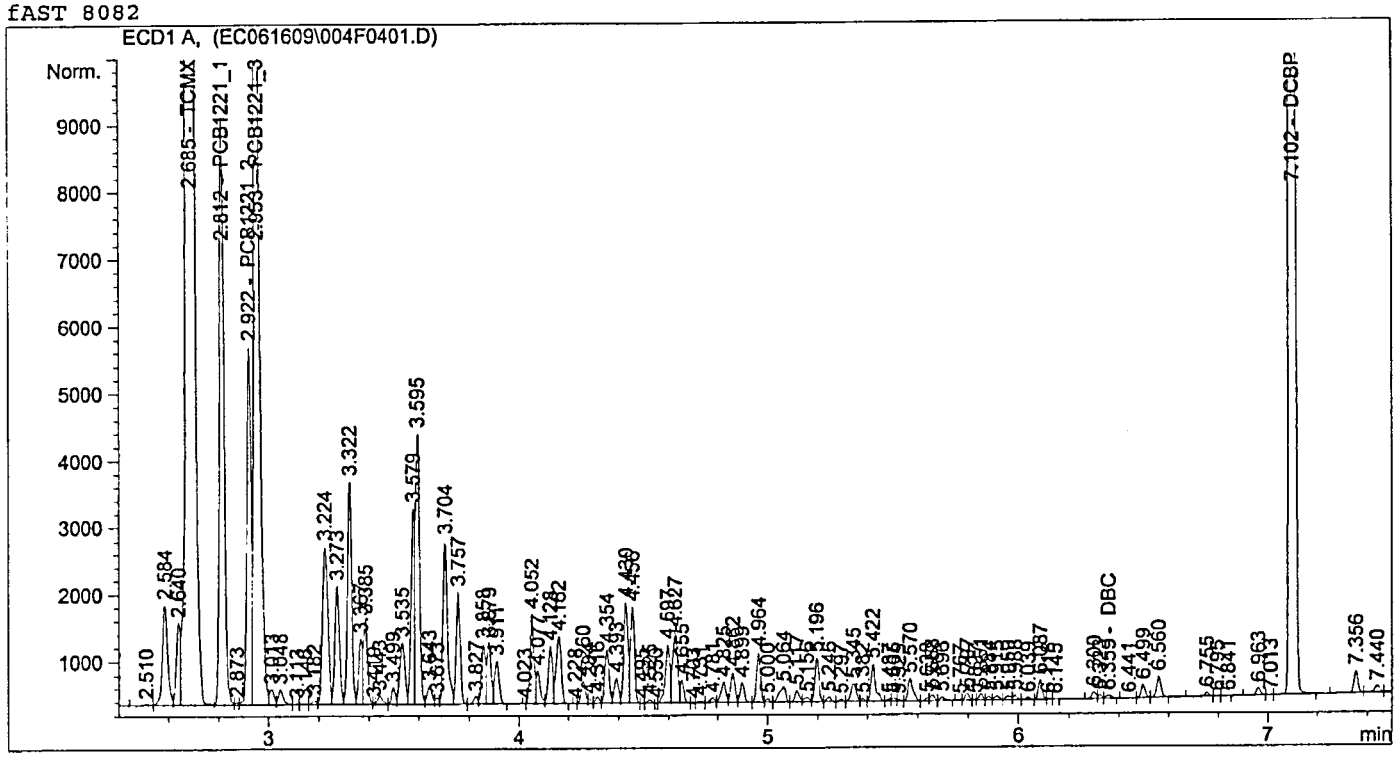
Peak	RT Window From	RT Window To
1	5.7293	5.7893
2	5.8978	5.9578
3	6.1765	6.2365
4	6.6638	6.7238
5	6.9364	6.9964

Peak	Correlation Coefficient (r)
1	0.999213429
2	0.999670366
3	0.99816869
4	0.999340639
5	0.999516287

Peak	Slope (y)
1	0.147230058
2	0.104555885
3	0.082761897
4	0.053867902
5	0.083666593

Peak	Intercept (b)
1	16.52465945
2	19.65871446
3	32.03194905
4	29.90259793
5	27.62331452

```
==================================================================
Injection Date  : 6/16/2009 2:53:36 PM          Seq. Line :   4
Sample Name     : A1221 x2000 ICAL               Location : Vial 4
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.25626e5	1.61557e-3	202.95710		TCMX
2.812	VV	1.07929e4	1.86633e-1	2014.31070		PCB1221_1
2.922	VV	5933.97168	3.38141e-1	2006.51791		PCB1221_2
2.953	VV	2.57054e4	7.81370e-2	2008.54689		PCB1221_3
6.359	VBA	68.02941	0.00000	0.00000		DBC
7.102	VB	1.02589e5	1.98494e-3	203.63239		DCBP

BWS
6.17.09

Totals : 6435.96498

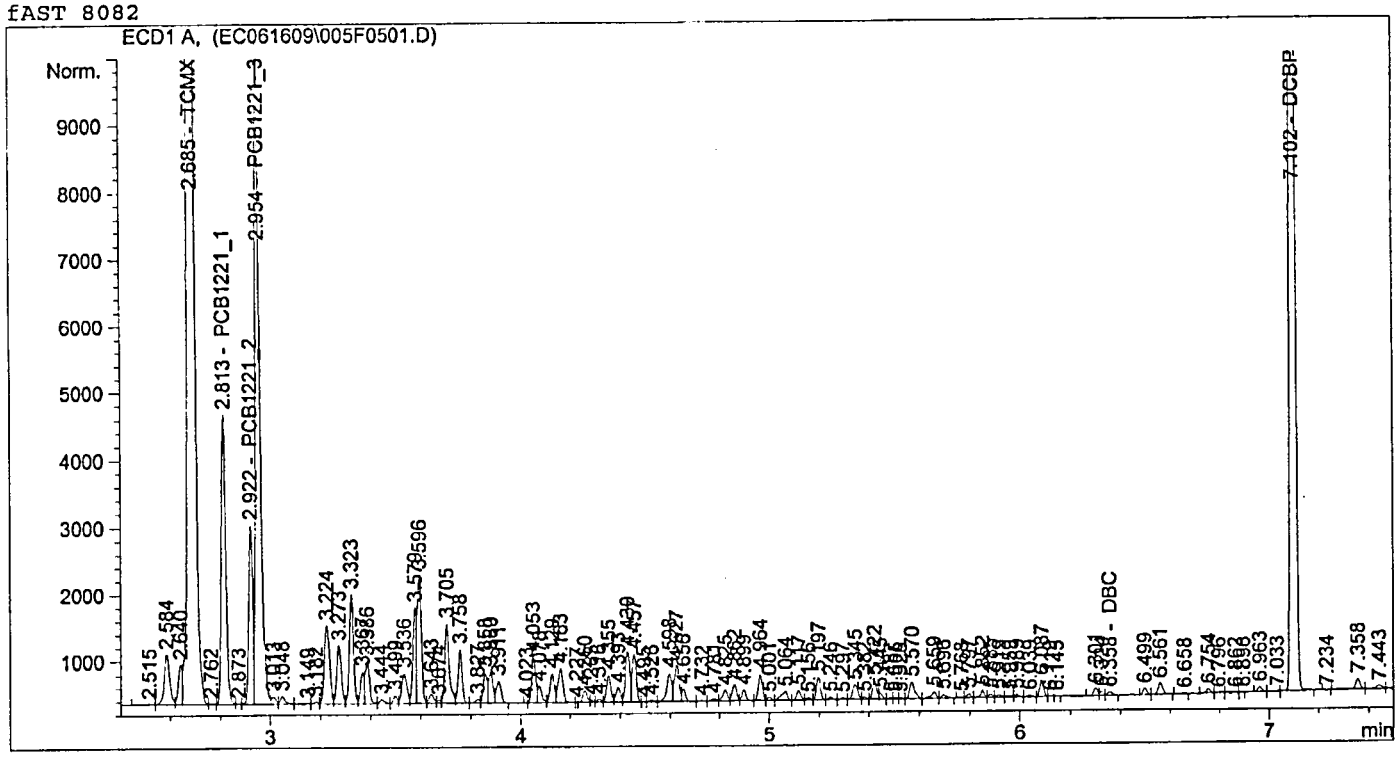
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

==========

Injection Date : 6/16/2009 3:06:27 PM Seq. Line : 5
Sample Name : A1221 x1000 ICAL Location : Vial 5
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed : 6/17/2009 10:44:50 AM by BWS
fAST 8082



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

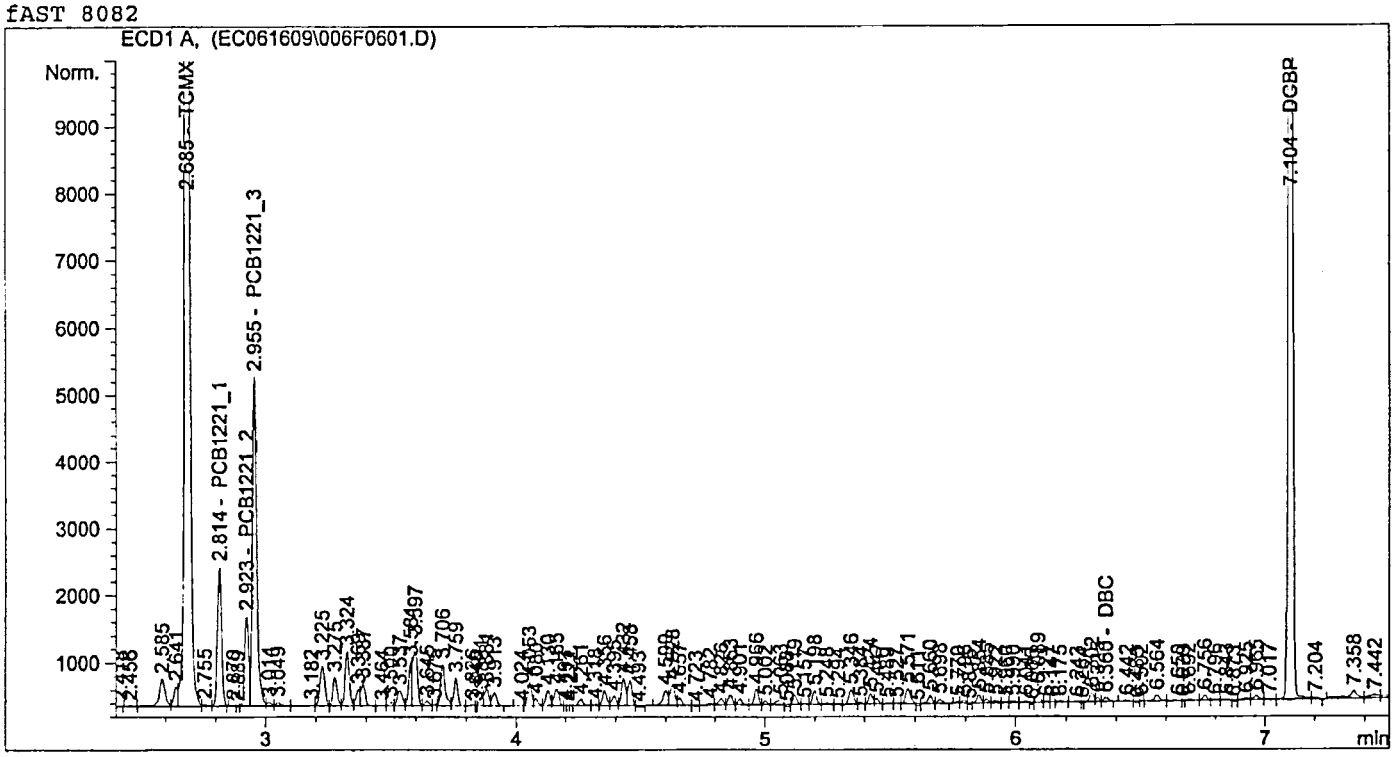
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85362e4	1.65228e-3	96.71822		TCMX
2.813	VV	5249.20459	1.88342e-1	988.64594		PCB1221_1
2.922	VV	2938.13745	3.37599e-1	991.91367		PCB1221_2
2.954	VV	1.26954e4	7.83377e-2	994.52957		PCB1221_3
6.358	VV	69.65521	0.00000	0.00000		DBC
7.102	VB	4.64764e4	2.03257e-3	94.46667		DCBP
Totals :				3166.27407		

JWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:19:26 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

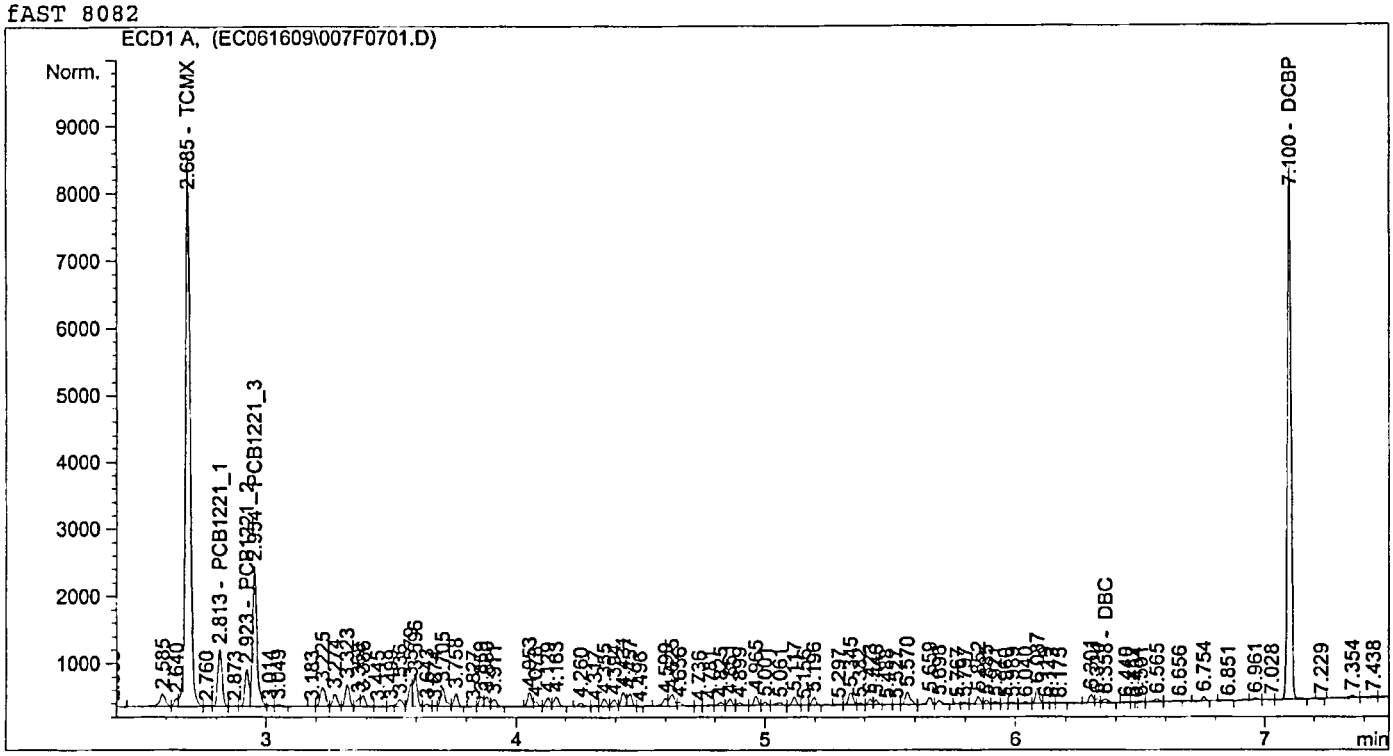
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2.50498e4	1.74417e-3	43.69111		TCMX
2.814	VP	2391.79468	1.92317e-1	459.98381		PCB1221_1
2.923	PV	1448.61218	3.36497e-1	487.45363		PCB1221_2
2.955	VV	5996.15771	7.87807e-2	472.38121		PCB1221_3
6.360	VBA	82.02856	0.00000	0.00000		DBC
7.104	VB	2.14117e4	2.13452e-3	45.70364		DCBP
Totals :				1509.21340		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:32:12 PM          Seq. Line :   7
Sample Name     : A1221 x200 ICAL                Location : Vial 7
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

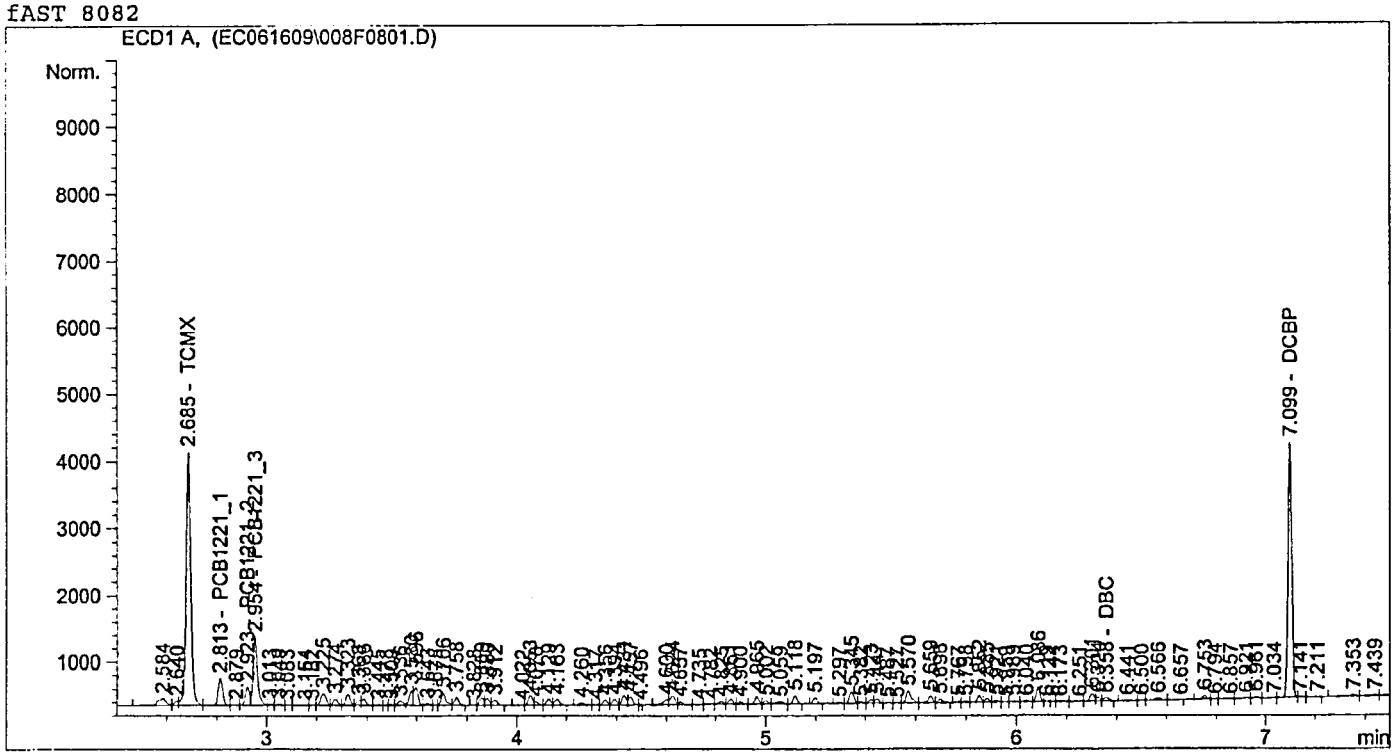
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.06479e4	1.96144e-3	20.88517		TCMX
2.813	VV	1008.54004	2.02334e-1	204.06171		PCB1221_1
2.923	VV	614.29877	3.33543e-1	204.89530		PCB1221_2
2.954	VV	2581.18628	7.98913e-2	206.21421		PCB1221_3
6.358	VBA	75.88888	0.00000	0.00000		DBC
7.100	VB	8395.22266	2.42761e-3	20.38030		DCBP
Totals :				656.43668		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	4984.73535	2.39078e-3	11.91740		TCMX
2.813	VB	500.90417	2.19886e-1	110.14174		PCB1221_1
2.923	VV	303.38547	3.28288e-1	99.59777		PCB1221_2
2.954	VV	1263.36267	8.19254e-2	103.50145		PCB1221_3
6.358	VBA	71.24101	0.00000	0.00000		DBC
7.099	VV	3984.79590	2.96122e-3	11.79987		DCBP

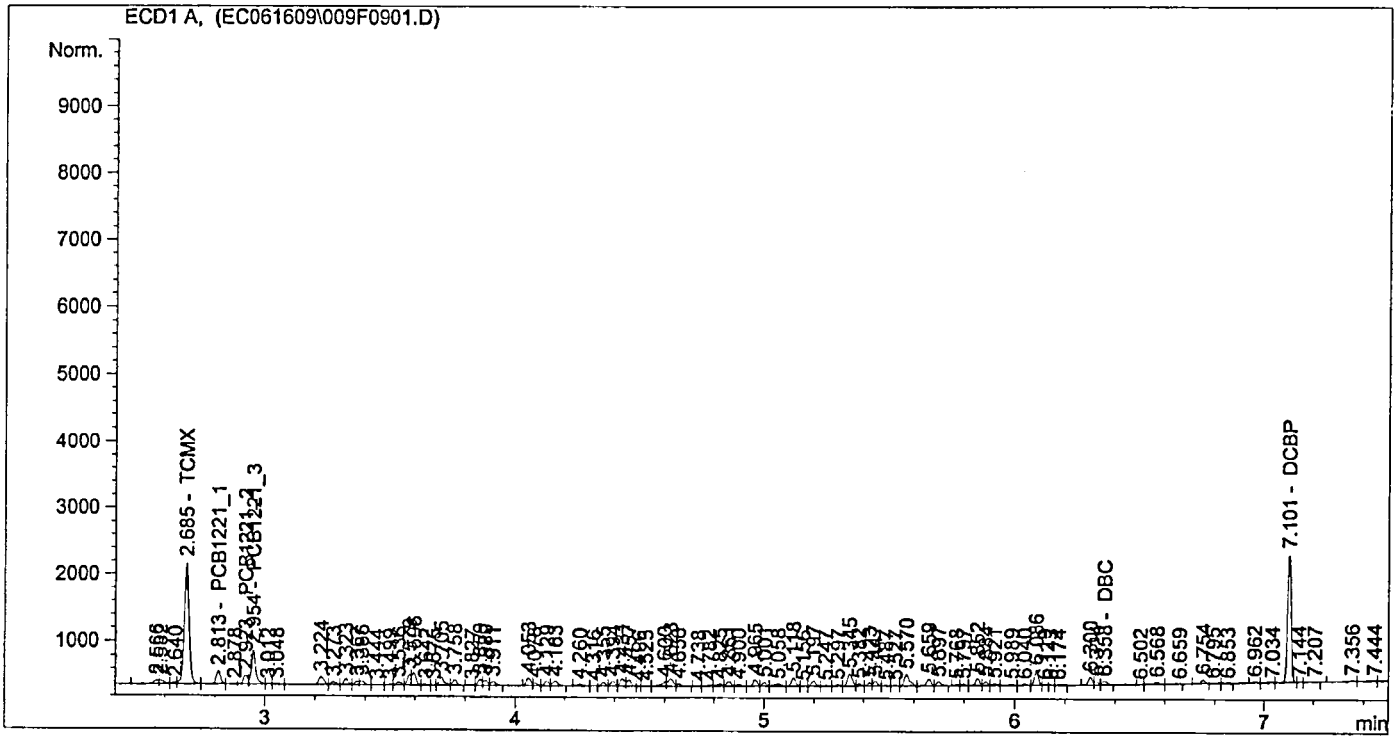
BWS
6.17.09

Totals : 336.95822

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   9
Sample Name     : A1221 x40 ICAL                 Location : Vial 9
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

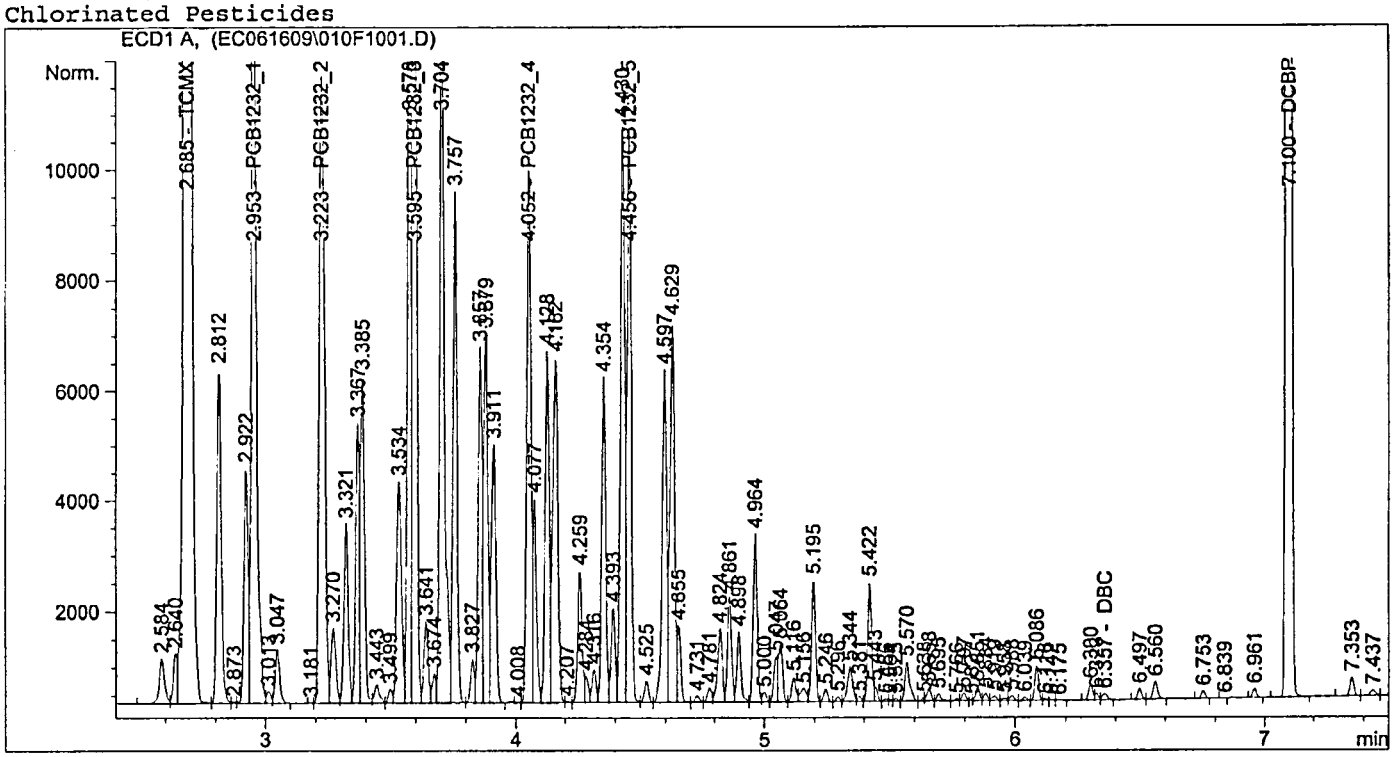
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2404.18335	3.25724e-3	7.83100		TCMX
2.813	VV	245.32616	2.56214e-1	62.85611		PCB1221_1
2.923	VV	155.82063	3.18454e-1	49.62173		PCB1221_2
2.954	VV	638.85638	8.58200e-2	54.82667		PCB1221_3
6.358	VBA	75.09637	0.00000	0.00000		DBC
7.101	VV	2040.43359	3.92913e-3	8.01714		DCBP
Totals :				183.15265		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 4:10:49 PM          Seq. Line :  10
Sample Name     : A1232 x2000 ICAL               Location : Vial 10
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

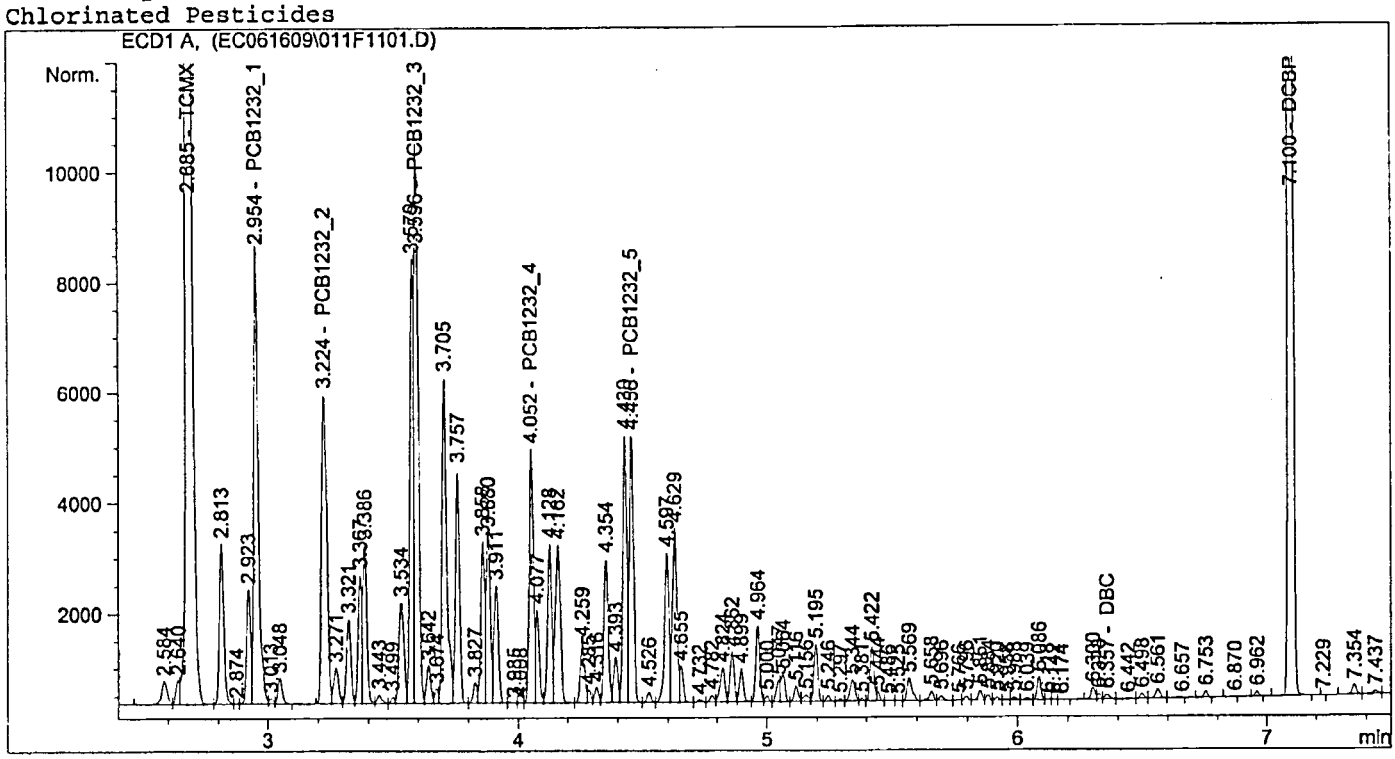
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.28585e5	1.57867e-3	202.99266		TCMX
2.953	VV	2.19295e4	9.15378e-2	2007.37971		PCB1232_1
3.223	VV	1.67455e4	1.20052e-1	2010.33401		PCB1232_2
3.595	VV	2.48887e4	8.13899e-2	2025.68521		PCB1232_3
4.052	VV	1.13965e4	1.77729e-1	2025.48786		PCB1232_4
4.456	VV	1.19353e4	1.69886e-1	2027.63778		PCB1232_5
6.357	VV	154.62846	1.31176	202.83508		DBC
7.100	PB	1.04339e5	1.95163e-3	203.63069		DCBP

Totals : 1.07060e4

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 4:23:47 PM          Seq. Line :  11
Sample Name     : A1232 x1000 ICAL               Location : Vial 11
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85306e4	1.62639e-3	95.19388		TCMX
2.954	VV	1.06422e4	9.22723e-2	981.98283		PCB1232_1
3.224	VV	8107.24463	1.21205e-1	982.63823		PCB1232_2
3.596	VV	1.14238e4	8.29473e-2	947.57043		PCB1232_3
4.052	VV	5312.27930	1.80420e-1	958.44117		PCB1232_4
4.456	VV	5470.34326	1.73471e-1	948.94532		PCB1232_5
6.357	VV	105.82750	8.70158e-1	92.08665		DBC
7.100	BB	4.64543e4	2.01128e-3	93.43272		DCBP

BWS
6-17-09

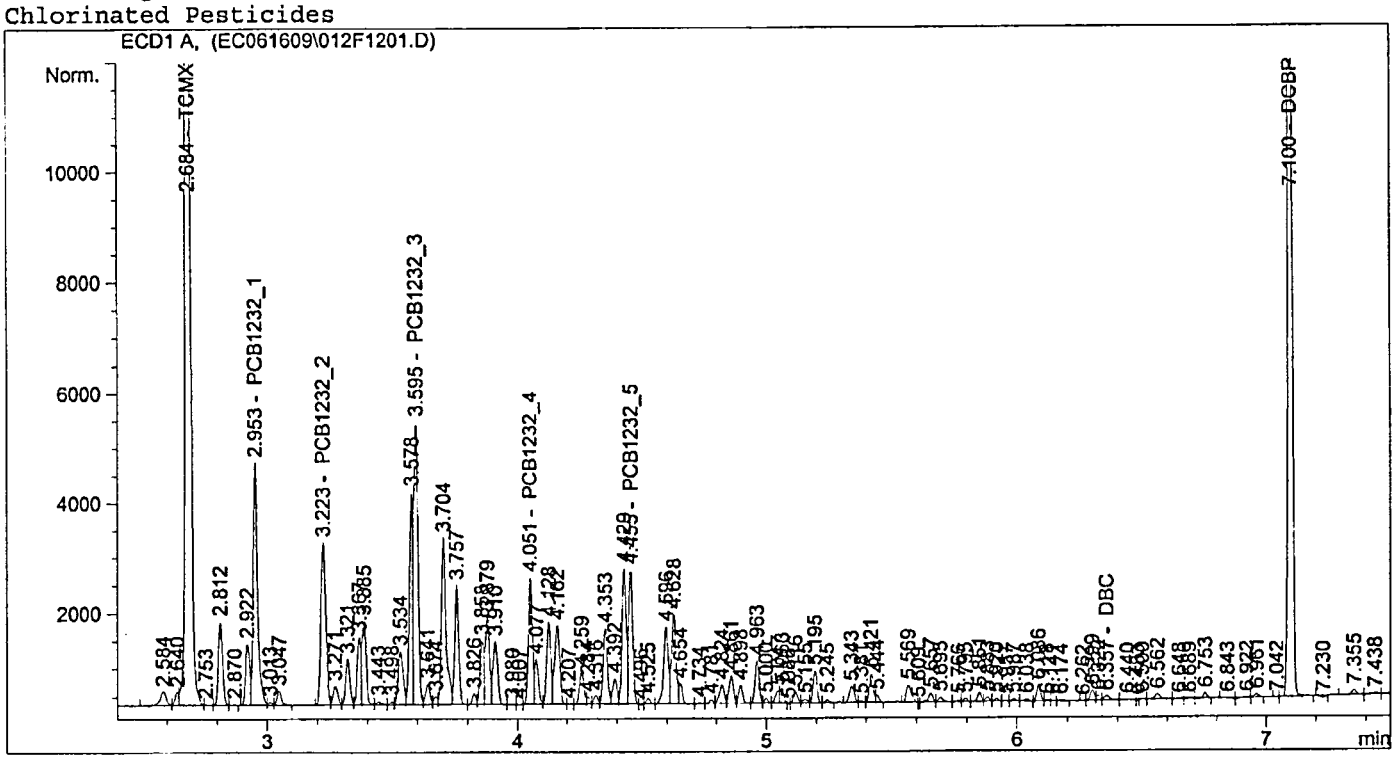
Totals : 5100.29123

Results obtained with enhanced integrator!

==

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 4:36:37 PM          Seq. Line :  12
Sample Name     : A1232 x500 ICAL                Location : Vial 12
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:49:16 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2.74659e4	1.72547e-3	47.39165		TCMX
2.953	VV	5459.36719	9.36271e-2	511.14479		PCB1232_1
3.223	VV	4011.20239	1.23487e-1	495.33154		PCB1232_2
3.595	VV	5890.49268	8.56516e-2	504.53041		PCB1232_3
4.051	VV	2581.75781	1.85751e-1	479.56532		PCB1232_4
4.455	VP	2731.88257	1.80105e-1	492.02517		PCB1232_5
6.357	VB	88.85879	6.02957e-1	53.57802		DBC
7.100	PB	2.28398e4	2.12244e-3	48.47617		DCBP

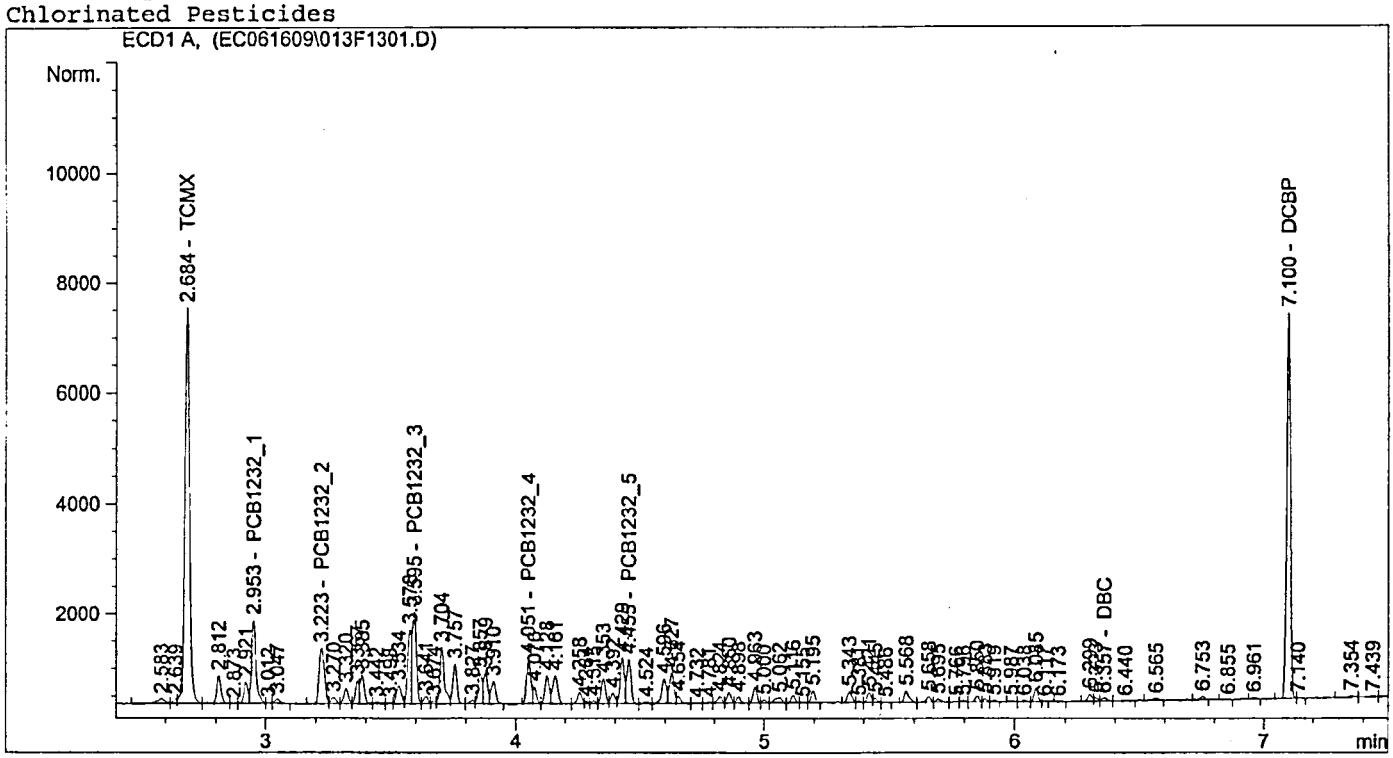
BWS
6.17.09

Totals : 2632.04306

Results obtained with enhanced integrator!

==
*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 4:49:25 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	9296.84180	2.09031e-3	19.43330		TCMX
2.953	VV	1918.33850	9.87621e-2	189.45923		PCB1232_1
3.223	VV	1475.92578	1.31246e-1	193.70935		PCB1232_2
3.595	VV	1920.76770	9.71906e-2	186.68064		PCB1232_3
4.051	PV	955.56946	2.03404e-1	194.36619		PCB1232_4
4.455	VV	916.82739	2.06340e-1	189.17791		PCB1232_5
6.357	VV	74.82659	2.90451e-1	21.73349		DBC
7.100	VV	7333.77930	2.58480e-3	18.95637		DCBP

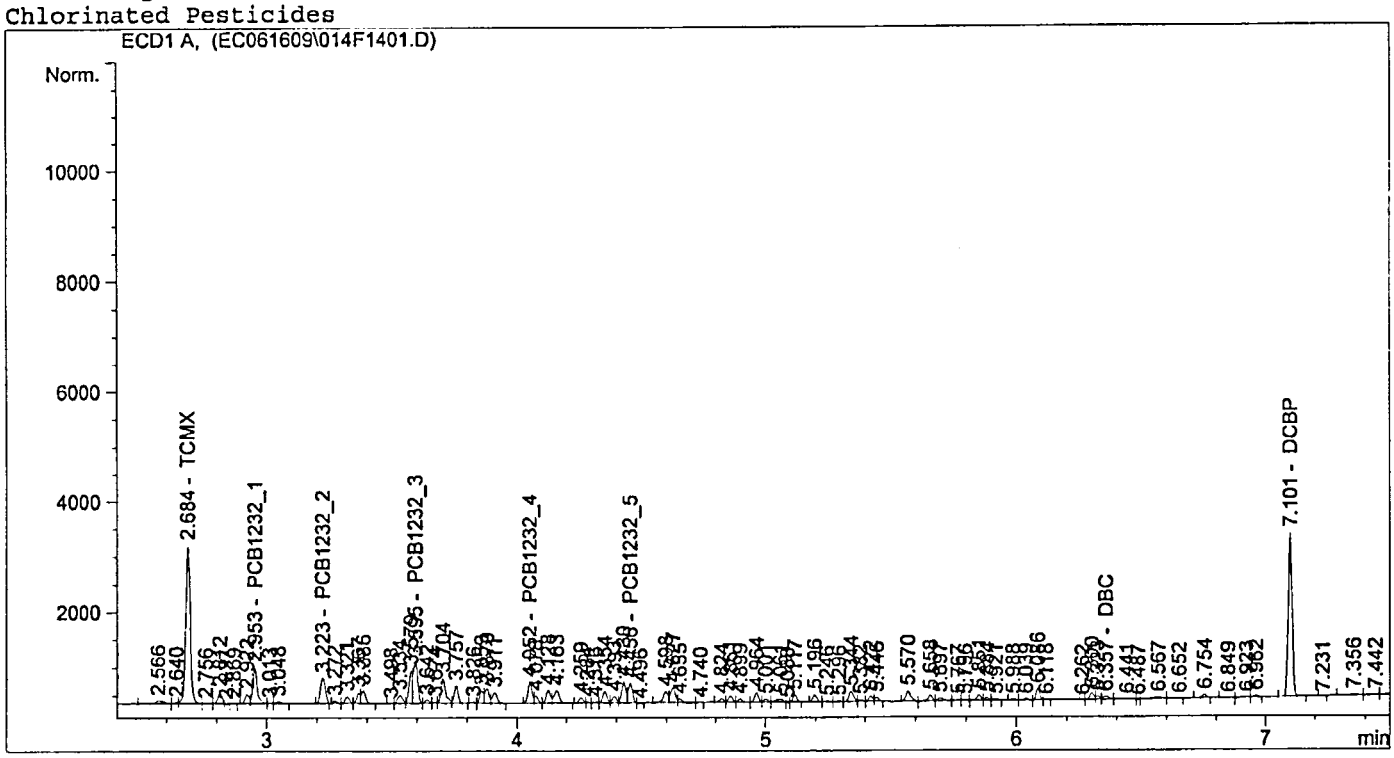
BWS
6.17.09

Totals : 1013.51648

Results obtained with enhanced integrator!

==
*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 5:02:18 PM          Seq. Line :  14
Sample Name     : A1232 x100 ICAL                Location : Vial 14
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	3586.46118	2.96844e-3	10.64621		TCMX
2.953	VV	822.08234	1.09319e-1	89.86959		PCB1232_1
3.223	BP	627.54523	1.47842e-1	92.77740		PCB1232_2
3.595	VV	845.77960	1.18953e-1	100.60800		PCB1232_3
4.052	PV	440.46237	2.36177e-1	104.02727		PCB1232_4
4.456	VP	406.56943	2.55897e-1	104.03988		PCB1232_5
6.357	VV	70.51414	1.69425e-1	11.94687		DBC
7.101	PB	3122.70605	3.50320e-3	10.93948		DCBP

Totals : 524.85470

BWS
6.17.09

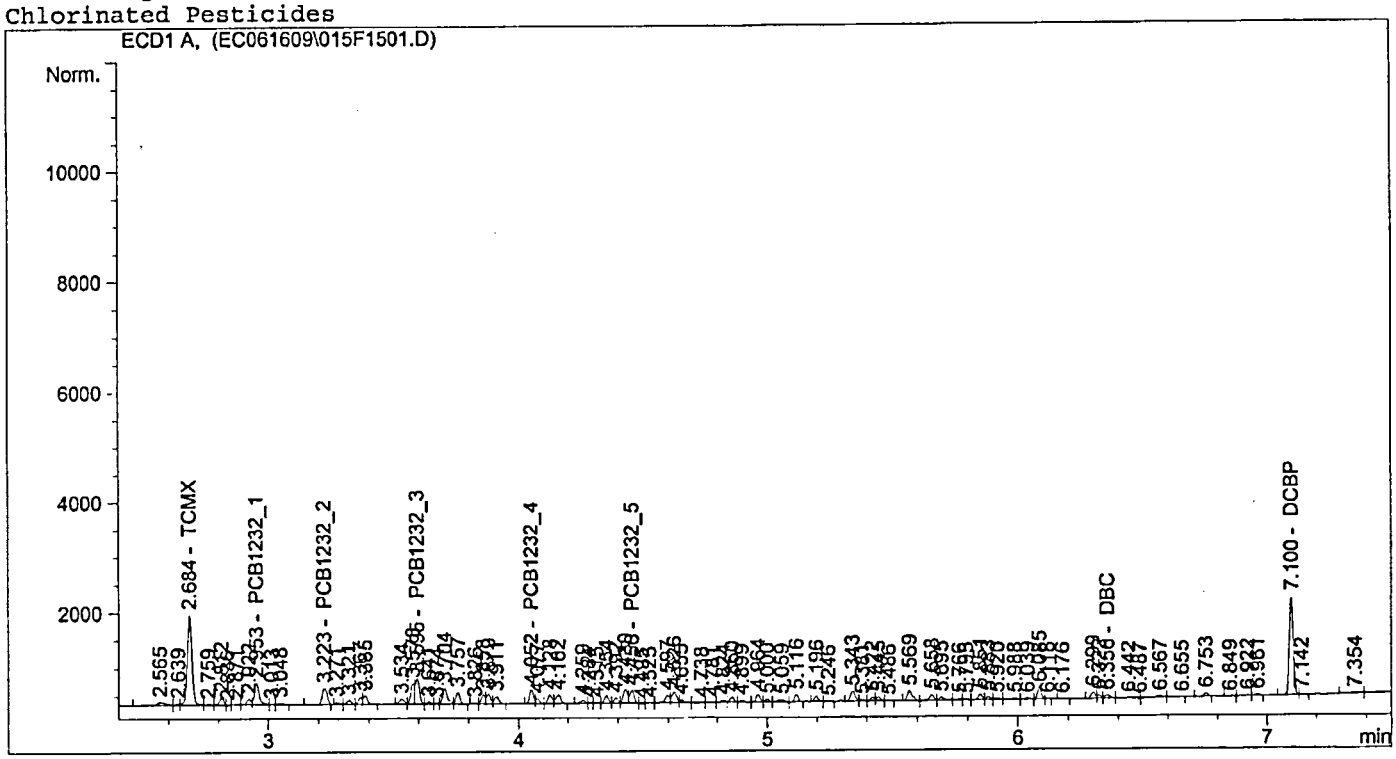
Results obtained with enhanced integrator!

==
*** End of Report ***

==========

Injection Date : 6/16/2009 5:15:07 PM Seq. Line : 15
Sample Name : A1232 x40 ICAL Location : Vial 15
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:49:16 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2089.24365	3.99298e-3	8.34230		TCMX
2.953	VV	495.08936	1.21521e-1	60.16384		PCB1232_1
3.223	BP	395.82391	1.64744e-1	65.20948		PCB1232_2
3.595	VV	525.02045	1.42709e-1	74.92531		PCB1232_3
4.052	PV	292.69611	2.66871e-1	78.11219		PCB1232_4
4.456	VP	251.54694	3.10773e-1	78.17393		PCB1232_5
6.356	VV	66.05173	2.75526e-2	1.81990		DBC
7.100	VV	1875.22559	4.56722e-3	8.56457		DCBP

Totals : 375.31152

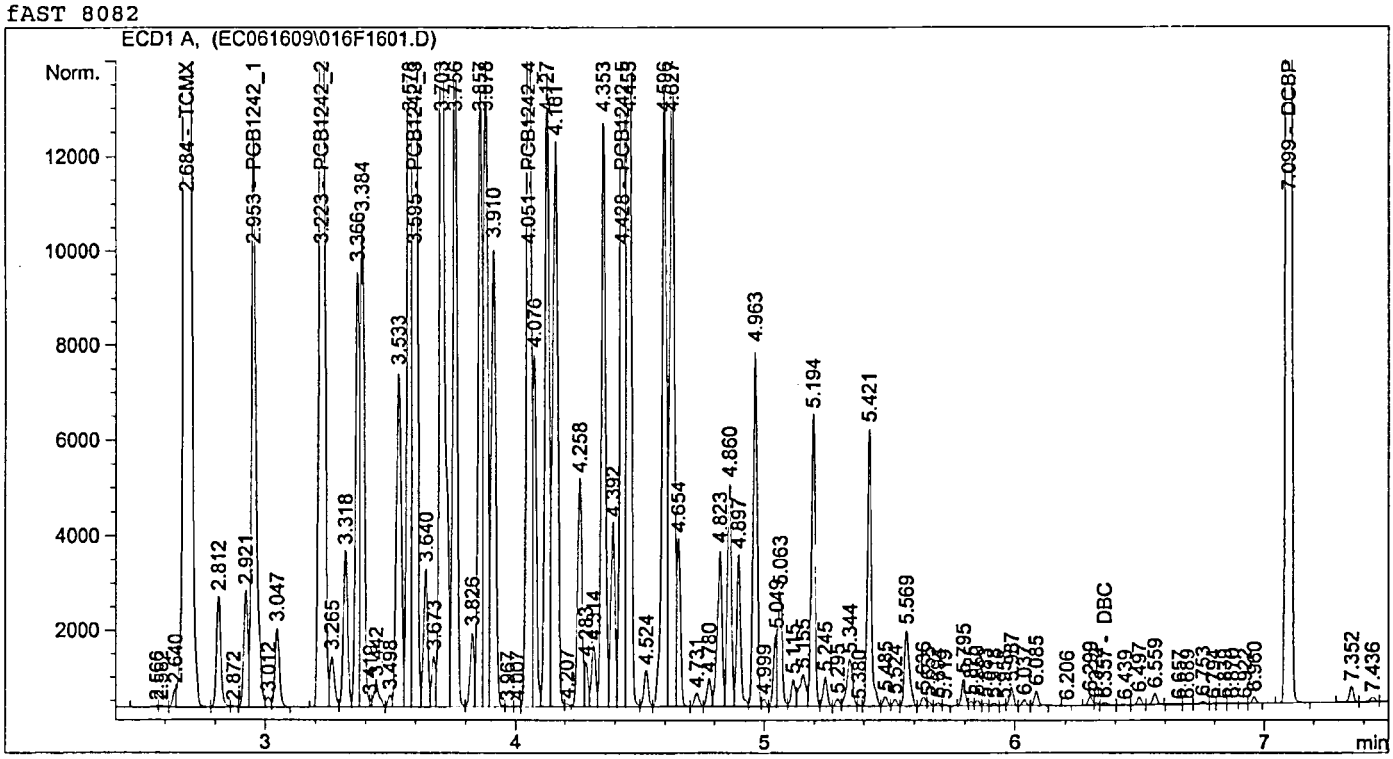
BWS
6.17.09

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  16
Sample Name     : A1242 x2000 ICAL               Location : Vial 16
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	1.24533e5	1.61574e-3	201.21328		TCMX
2.953	VV	1.58930e4	1.25320e-1	1991.70688		PCB1242_1
3.223	PV	2.95357e4	6.73104e-2	1988.06254		PCB1242_2
3.595	VV	4.49982e4	4.43743e-2	1996.76595		PCB1242_3
4.051	VV	2.33747e4	8.57256e-2	2003.81239		PCB1242_4
4.428	VV	2.53352e4	7.92151e-2	2006.93062		PCB1242_5
6.357	VV	46.07360	0.00000	0.00000		DBC
7.099	BV	1.01493e5	1.98905e-3	201.87401		DCBP

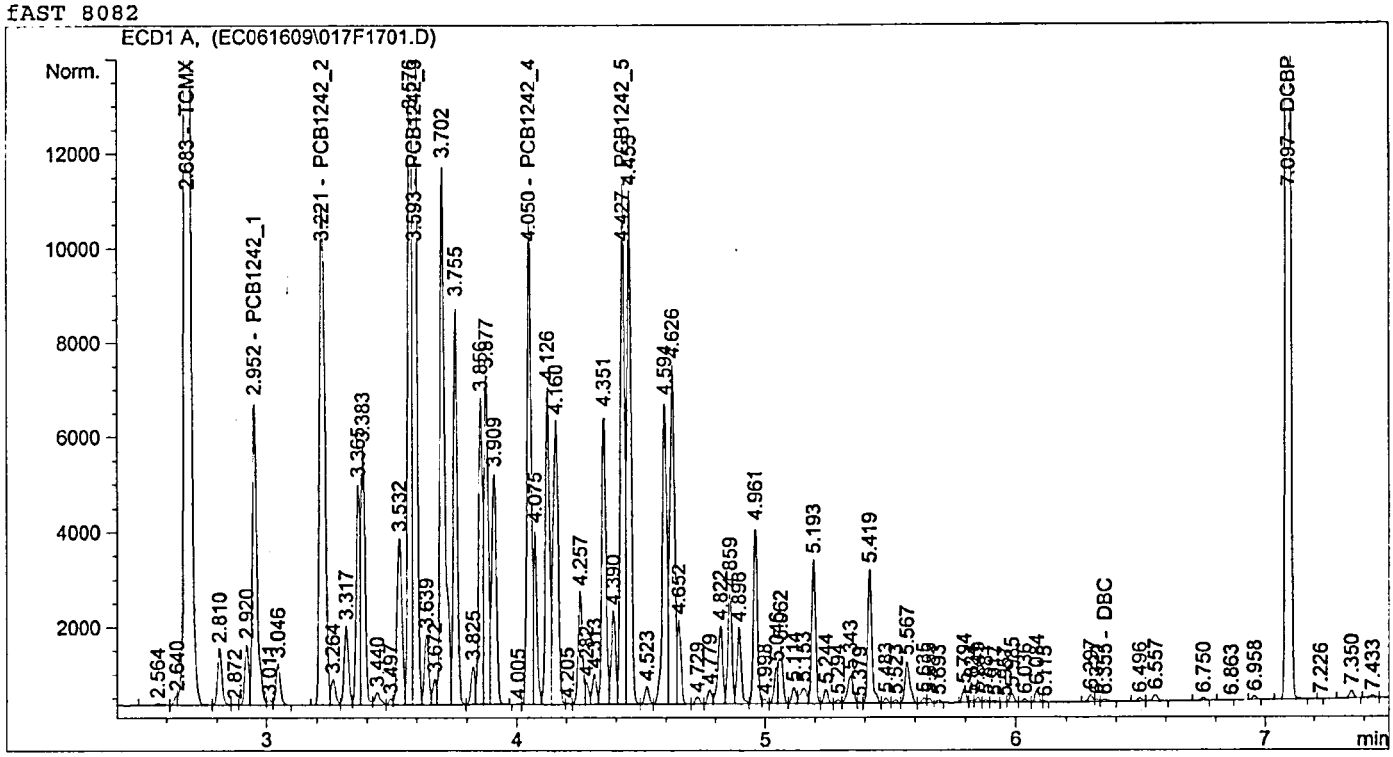
BWS
6.17.09

Totals : 1.03904e4

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  17
Sample Name     : A1242 x1000 ICAL               Location : Vial 17
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.683	VV	6.12233e4	1.64980e-3	101.00598		TCMX
2.952	VV	8266.91797	1.25530e-1	1037.74860		PCB1242_1
3.221	PV	1.55127e4	6.74188e-2	1045.84986		PCB1242_2
3.593	VV	2.27097e4	4.47441e-2	1016.12539		PCB1242_3
4.050	VV	1.17902e4	8.67780e-2	1023.13035		PCB1242_4
4.427	VV	1.25010e4	8.02404e-2	1003.08927		PCB1242_5
6.355	VB	69.59908	0.00000	0.00000		DBC
7.097	VB	4.86358e4	2.03100e-3	98.77927		DCBP

Totals : 5325.72872

BWS
6.17.09

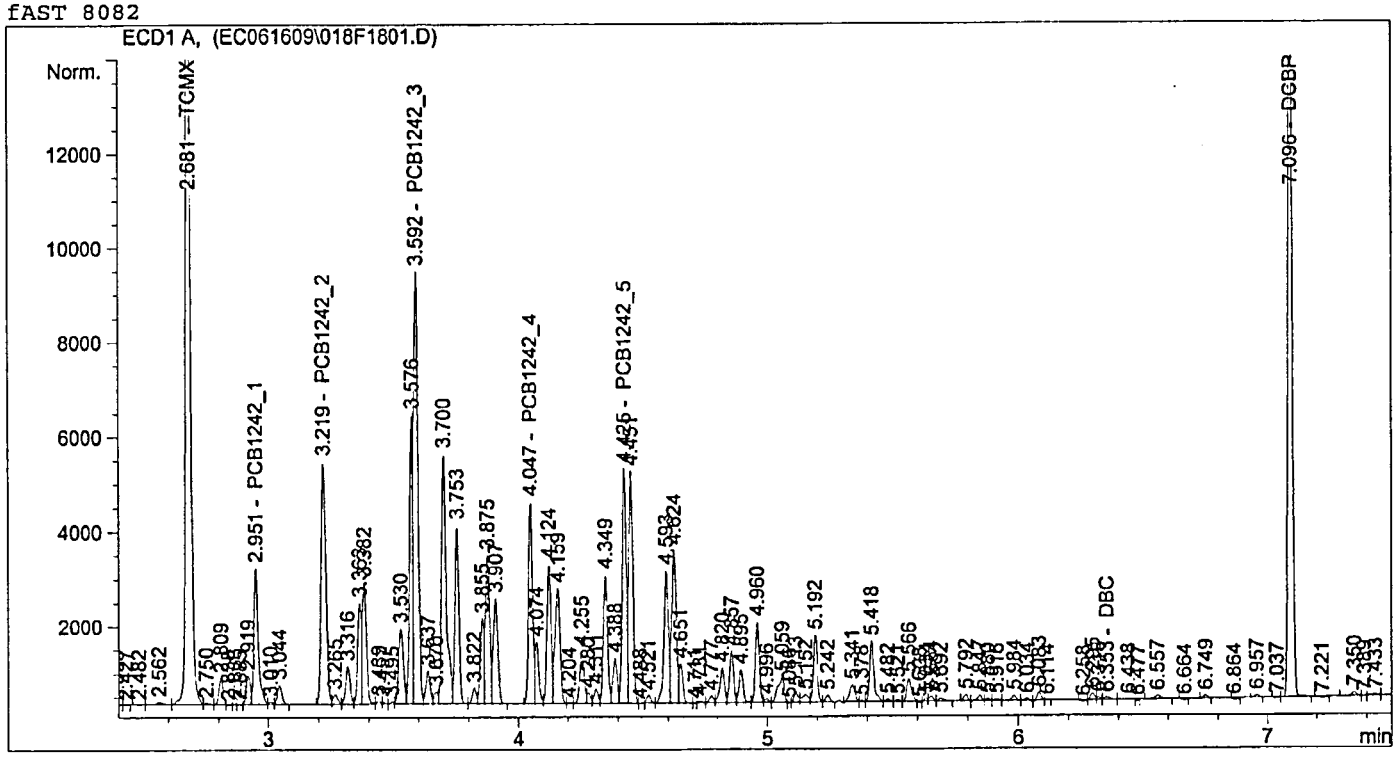
```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

==========

Injection Date : 6/16/2009 5:53:51 PM Seq. Line : 18
Sample Name : A1242 x500 ICAL Location : Vial 18
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed : 6/17/2009 10:55:31 AM by BWS
fAST 8082



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	2.43234e4	1.75143e-3	42.60065		TCMX
2.951	VV	3628.71558	1.26091e-1	457.54749		PCB1242_1
3.219	PV	6743.10840	6.77157e-2	456.61398		PCB1242_2
3.592	VV	1.06319e4	4.55920e-2	484.72847		PCB1242_3
4.047	PV	4836.10059	8.98314e-2	434.43365		PCB1242_4
4.425	VV	5635.85596	8.27059e-2	466.11862		PCB1242_5
6.353	VV	69.22704	0.00000	0.00000		DBC
7.096	PB	2.08276e4	2.13856e-3	44.54098		DCBP

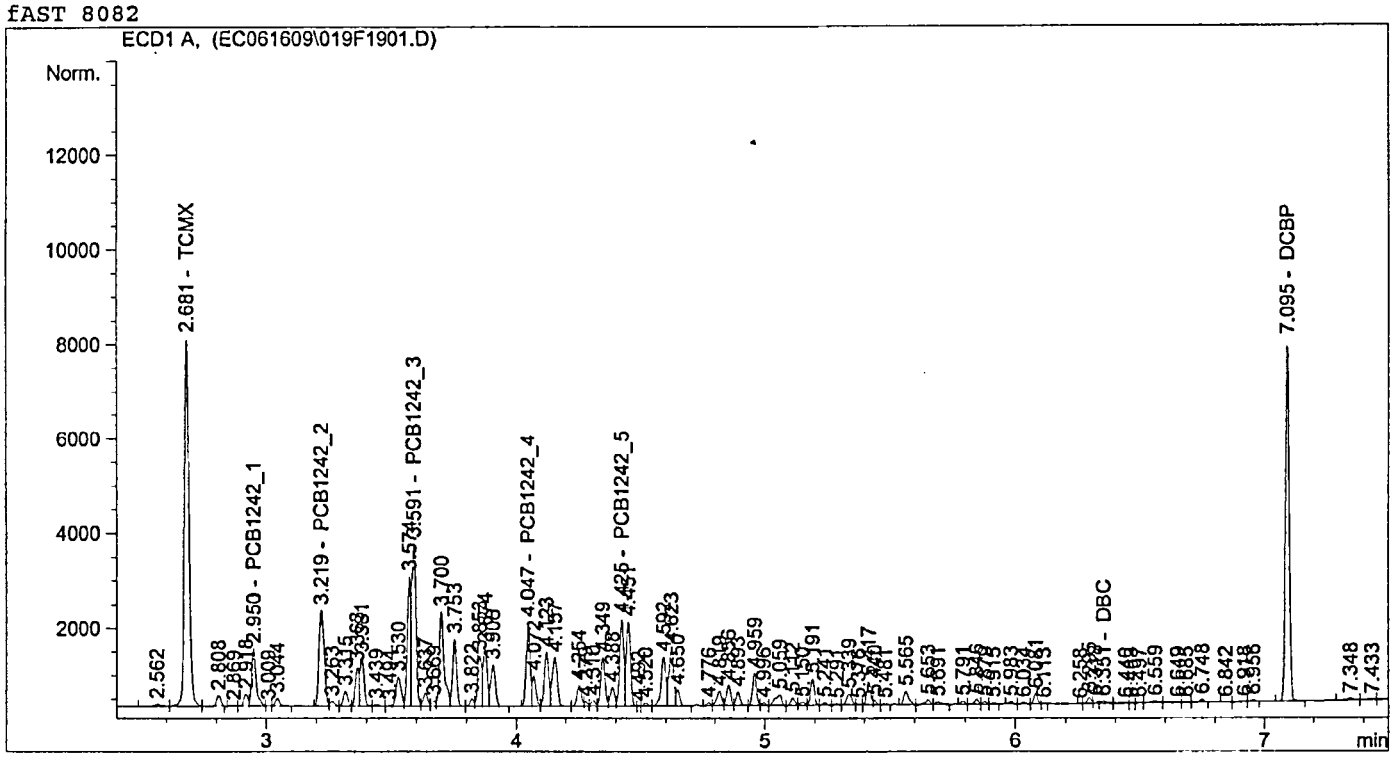
Totals : 2386.58383

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:06:49 PM          Seq. Line :  19
Sample Name     : A1242 x200 ICAL                Location : Vial 19
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	9864.52441	1.99859e-3	19.71514		TCMX
2.950	VV	1538.38574	1.27448e-1	196.06436		PCB1242_1
3.219	BV	2850.61401	6.84328e-2	195.07536		PCB1242_2
3.591	VV	3870.94604	4.83767e-2	187.26378		PCB1242_3
4.047	PV	2049.92676	9.68676e-2	198.57148		PCB1242_4
4.425	VV	2122.51245	9.01373e-2	191.31744		PCB1242_5
6.351	VV	44.81857	0.00000	0.00000		DBC
7.095	PB	7972.79297	2.44186e-3	19.46847		DCBP

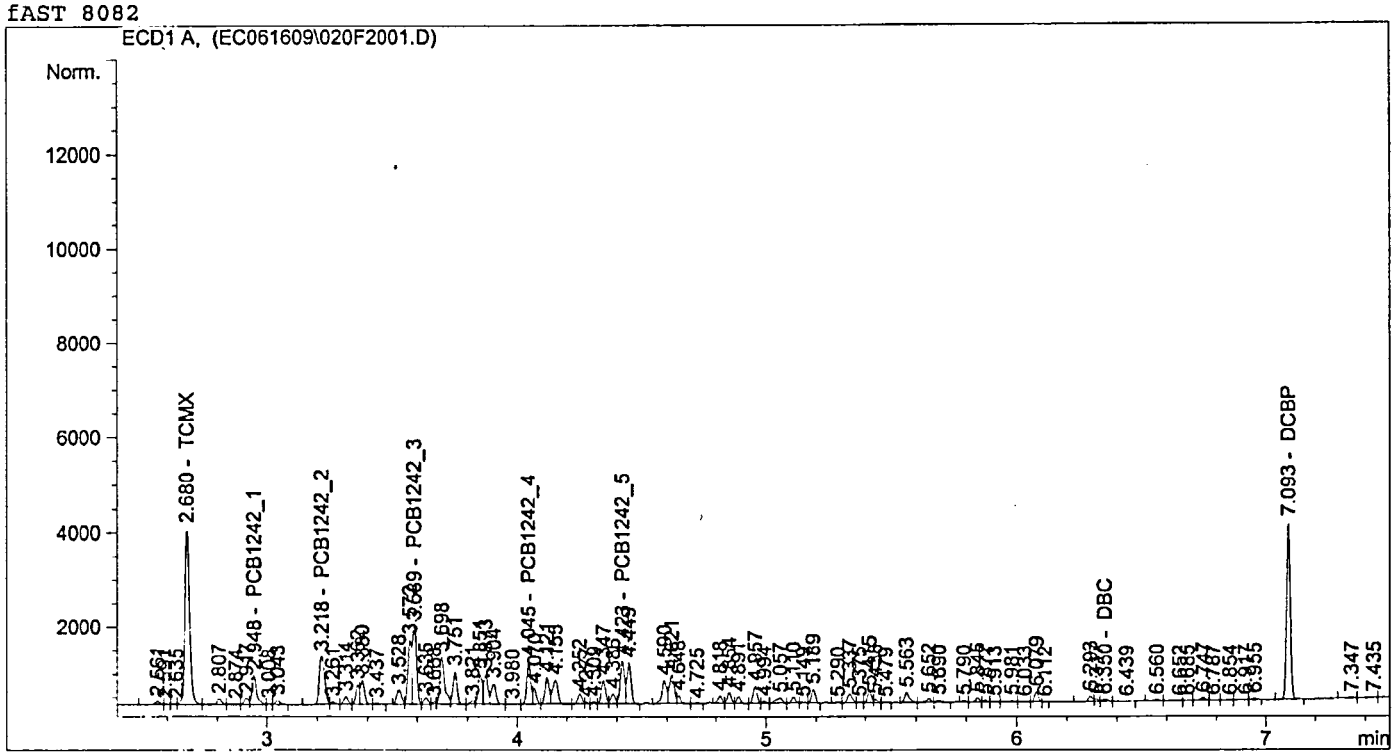
Totals : 1007.47603

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:19:35 PM          Seq. Line :  20
Sample Name     : A1242 x100 ICAL                Location : Vial 20
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	4837.55371	2.43066e-3	11.75844		TCMX
2.948	VV	793.58032	1.29660e-1	102.89531		PCB1242_1
3.218	BV	1467.12085	6.96042e-2	102.11777		PCB1242_2
3.589	VV	1857.66870	5.31227e-2	98.68435		PCB1242_3
4.045	VV	1025.63940	1.09065e-1	111.86094		PCB1242_4
4.423	VV	1045.56165	1.02416e-1	107.08219		PCB1242_5
6.350	VV	56.60671	0.00000	0.00000		DBC
7.093	VB	3930.30664	2.94731e-3	11.58384		DCBP

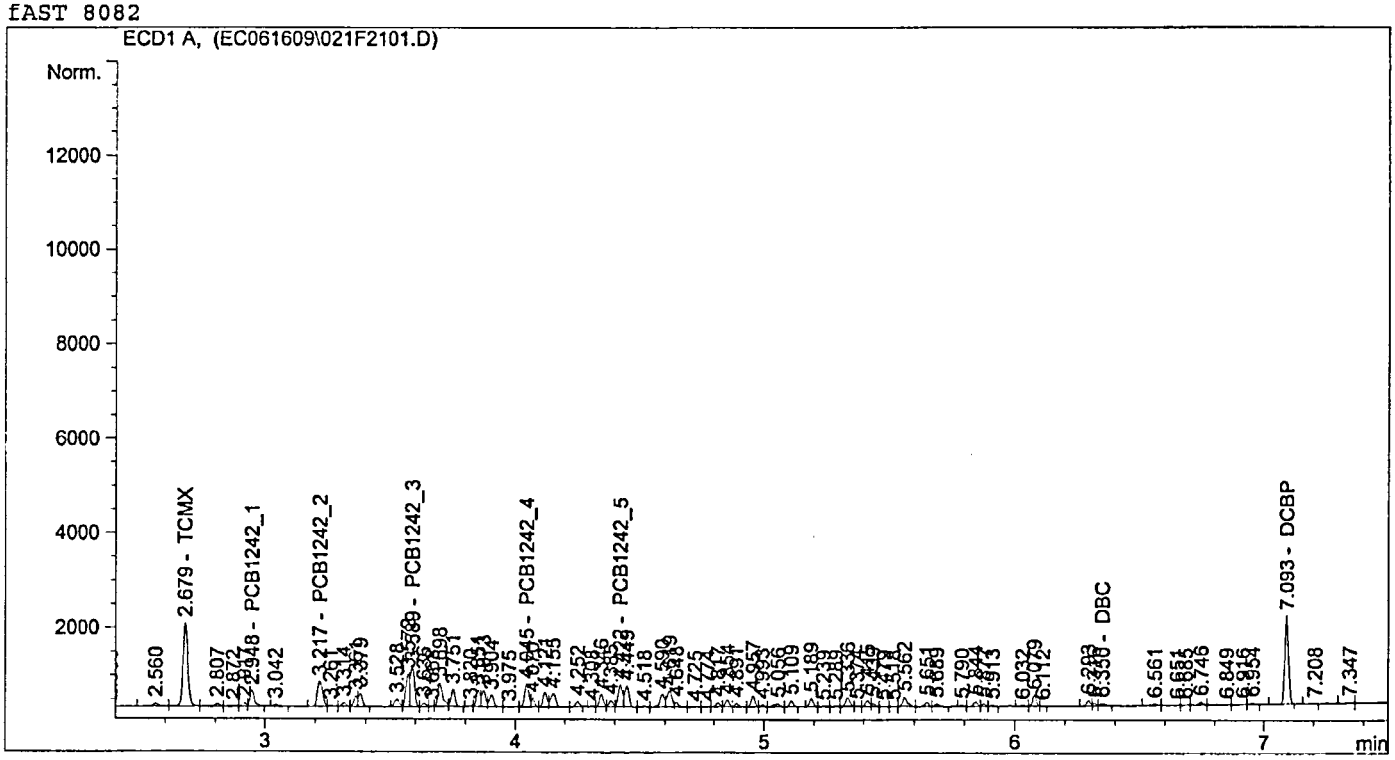
Totals : 545.98284

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:32:31 PM          Seq. Line :  21
Sample Name     : A1242 x40 ICAL                 Location : Vial 21
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2277.57568	3.38364e-3	7.70651		TCMX
2.948	VV	403.00357	1.34087e-1	54.03736		PCB1242_1
3.217	VV	725.38965	7.20723e-2	52.28049		PCB1242_2
3.589	VV	897.33759	6.28883e-2	56.43206		PCB1242_3
4.045	VV	509.78085	1.33766e-1	68.19119		PCB1242_4
4.422	VV	513.44421	1.27496e-1	65.46186		PCB1242_5
6.350	VV	56.95115	0.00000	0.00000		DBC
7.093	BV	1966.44092	3.94288e-3	7.75343		DCBP

Totals : 311.86290

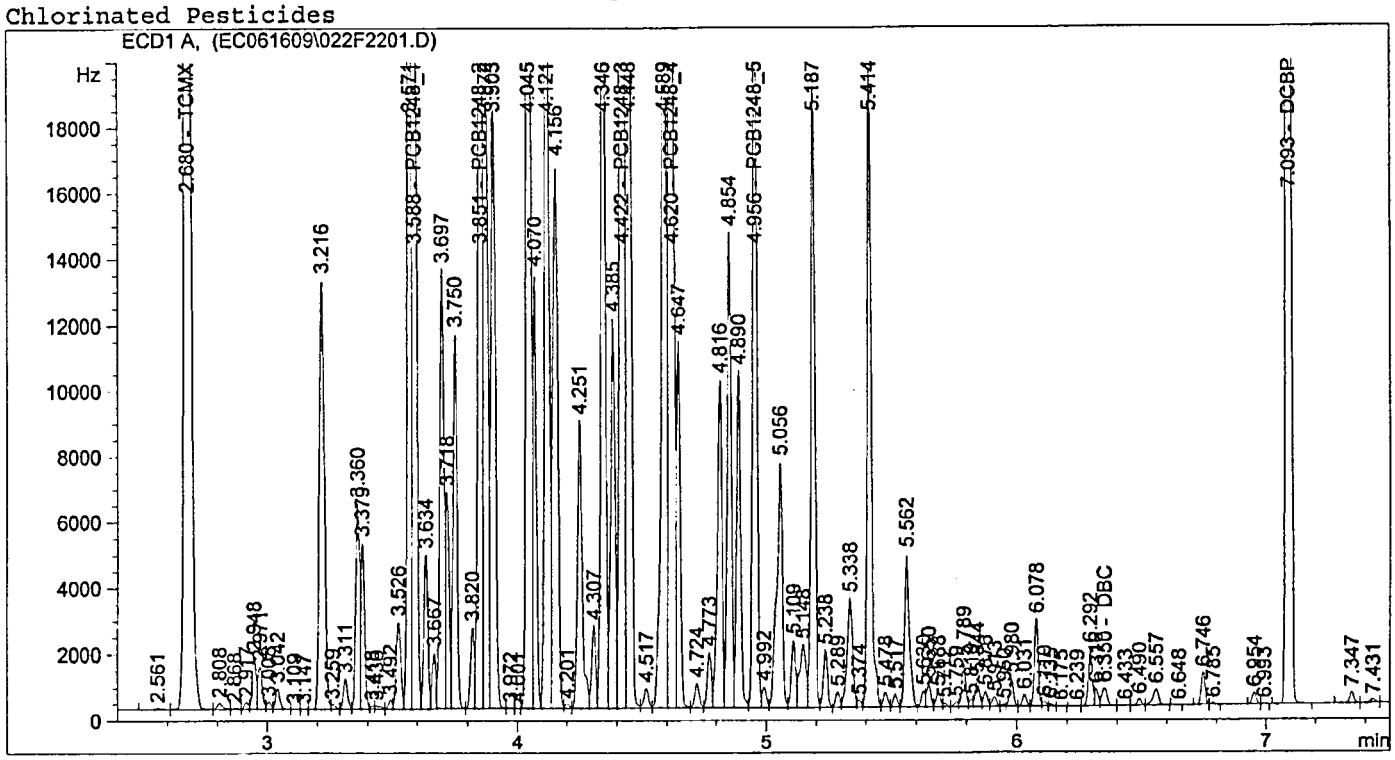
BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:45:23 PM          Seq. Line :  22
Sample Name     : A1248 x2000 ICAL               Location : Vial 22
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

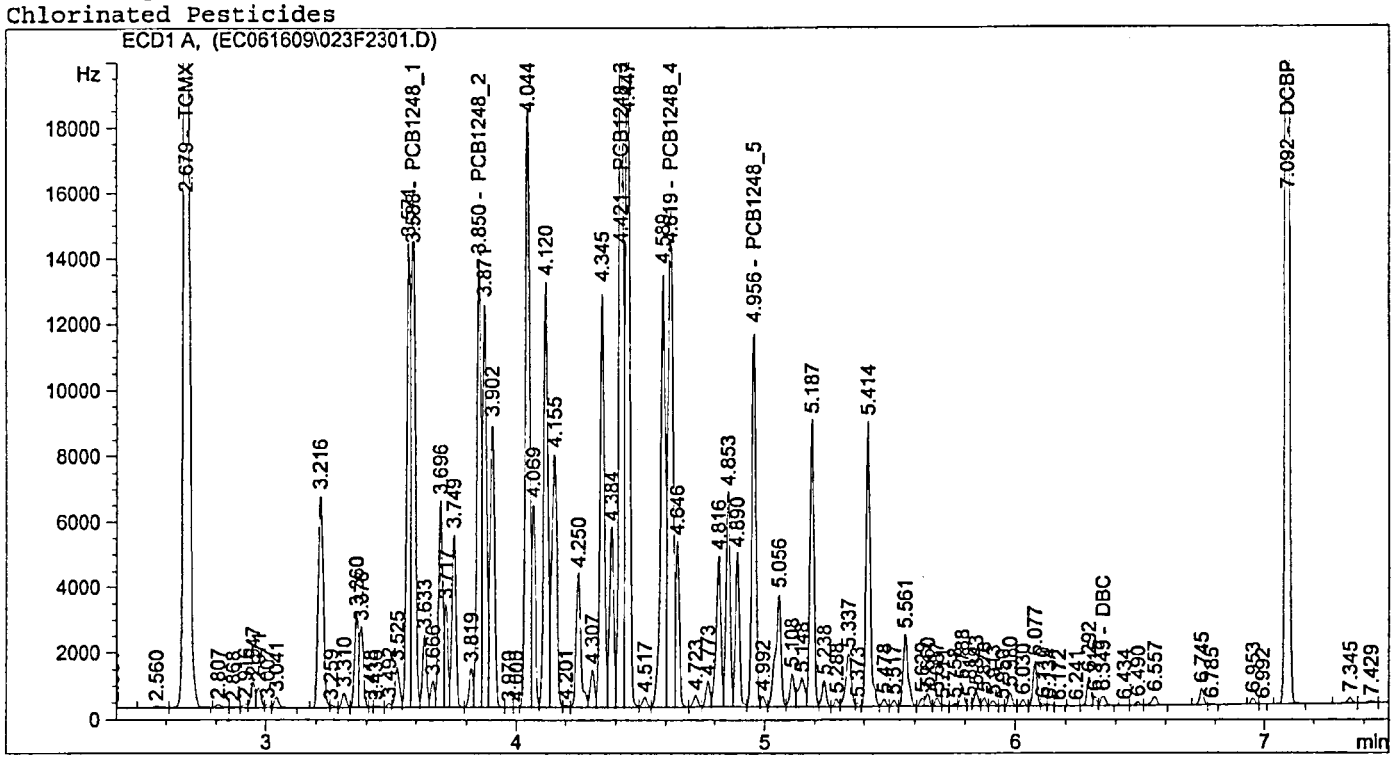
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	1.29592e5	1.56648e-3	203.00286		TCMX
3.588	VV	3.66658e4	5.51413e-2	2021.79814		PCB1248_1
3.851	VV	3.11485e4	6.45359e-2	2010.19920		PCB1248_2
4.422	VV	5.81616e4	3.48179e-2	2025.06568		PCB1248_3
4.620	VV	4.46546e4	4.53601e-2	2025.53551		PCB1248_4
4.956	VV	2.71306e4	7.47898e-2	2029.09034		PCB1248_5
6.350	VV	766.40961	2.61907e-1	200.72788		DBC
7.093	BV	1.04567e5	1.94984e-3	203.88982		DCBP
Totals :				1.07193e4		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 6:58:15 PM          Seq. Line :  23
Sample Name     : A1248 x1000 ICAL               Location : Vial 23
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

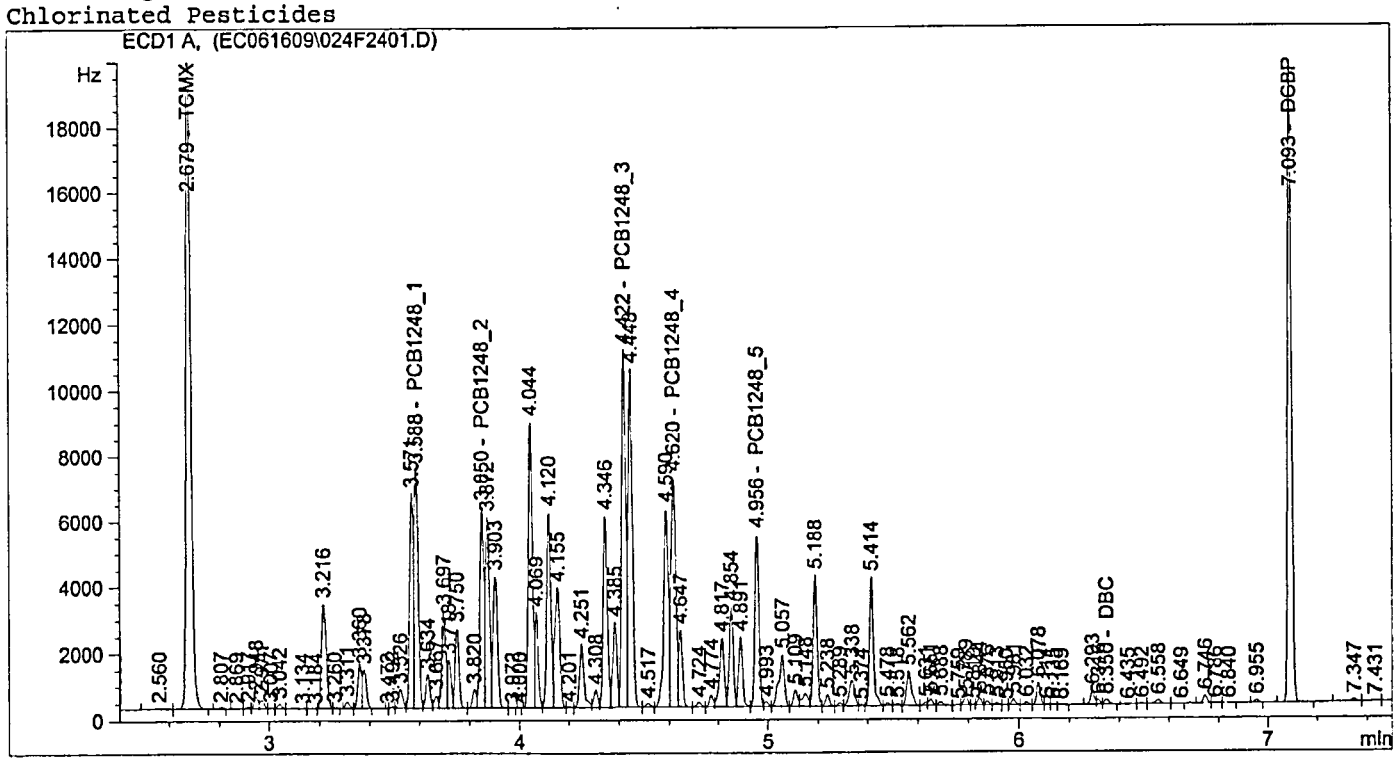
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	5.91737e4	1.61856e-3	95.77608		TCMX
3.588	VV	1.72012e4	5.64207e-2	970.50645		PCB1248_1
3.850	VV	1.50825e4	6.60115e-2	995.61554		PCB1248_2
4.421	VV	2.69915e4	3.57349e-2	964.53920		PCB1248_3
4.619	VV	2.07182e4	4.65335e-2	964.09235		PCB1248_4
4.956	VV	1.24627e4	7.68971e-2	958.34194		PCB1248_5
6.349	VB	400.58411	2.49832e-1	100.07870		DBC
7.092	VB	4.66681e4	2.01809e-3	94.18048		DCBP

Totals : 5143.13073

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:11:15 PM          Seq. Line :  24
Sample Name     : A1248 x500 ICAL                Location : Vial 24
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	2.65143e4	1.73661e-3	46.04496		TCMX
3.588	VV	7947.63037	5.92269e-2	470.71361		PCB1248_1
3.850	VV	6716.69434	6.95747e-2	467.31201		PCB1248_2
4.422	VV	1.24080e4	3.77458e-2	468.34971		PCB1248_3
4.620	VV	9514.63184	4.91111e-2	467.27423		PCB1248_4
4.956	VV	5683.82764	8.15457e-2	463.49196		PCB1248_5
6.350	VB	209.95770	2.26864e-1	47.63186		DBC
7.093	VB	2.09592e4	2.16929e-3	45.46662		DCBP

Totals : 2476.28497

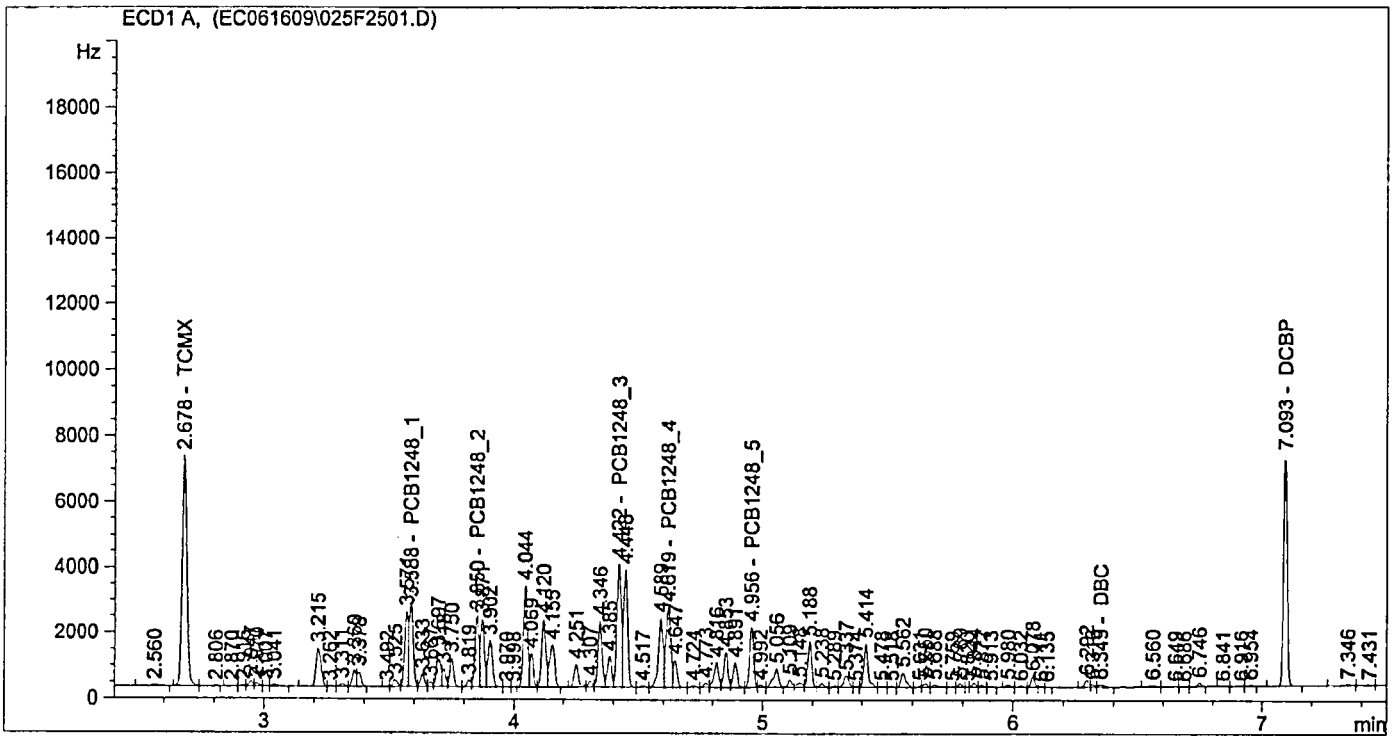
BWS
6.17.09

Results obtained with enhanced integrator!

==

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 7:24:05 PM          Seq. Line :  25
Sample Name     : A1248 x200 ICAL                Location : Vial 25
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

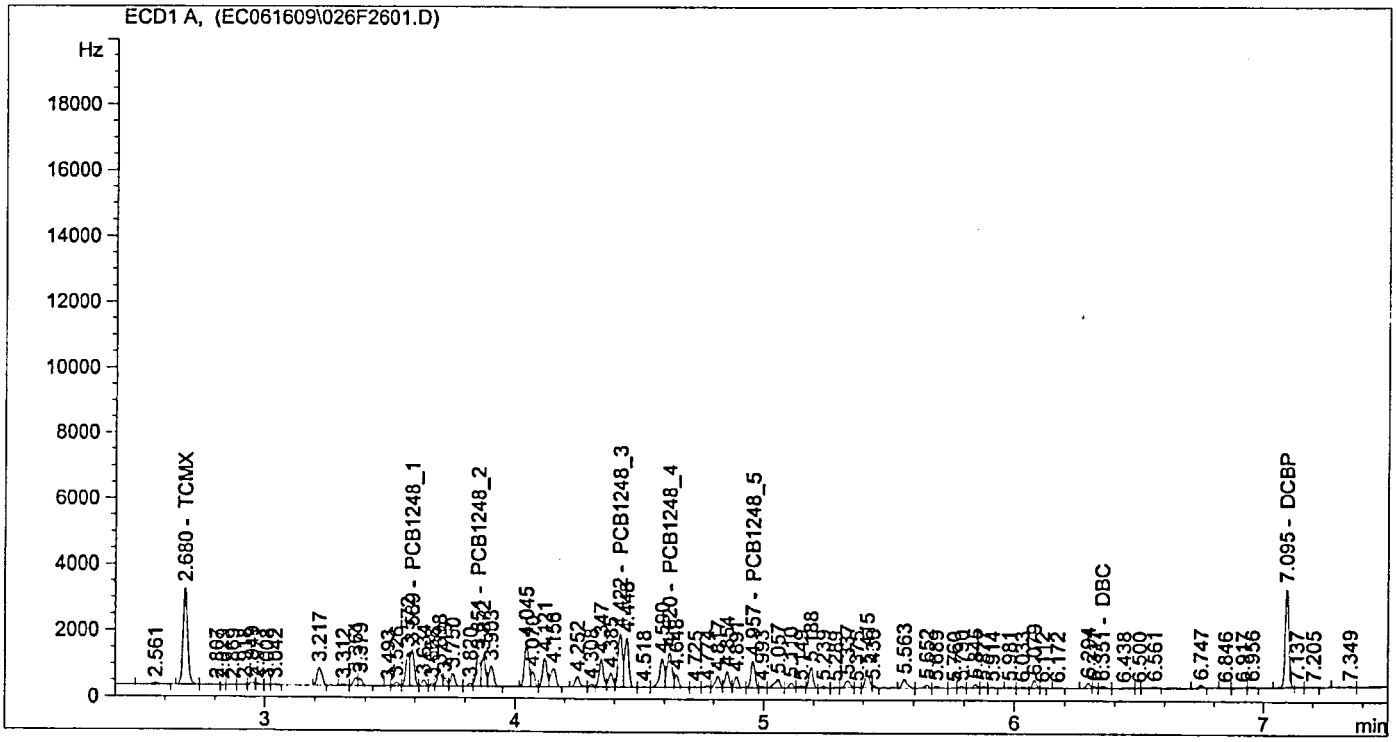
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	9037.30078	2.15025e-3	19.43242		TCMX
3.588	VV	2780.86670	6.89187e-2	191.65365		PCB1248_1
3.850	VV	2357.02759	8.14568e-2	191.99596		PCB1248_2
4.422	VV	4327.10547	4.46966e-2	193.40674		PCB1248_3
4.619	VV	3333.63086	5.79492e-2	193.18114		PCB1248_4
4.956	VV	1994.11768	9.73592e-2	194.14578		PCB1248_5
6.349	VB	100.45596	1.74253e-1	17.50476		DBC
7.093	BB	7328.20898	2.67982e-3	19.63826		DCBP

Totals : 1020.95871

BWS
6-17-09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:37:02 PM          Seq. Line :  26
Sample Name     : A1248 x100 ICAL                Location : Vial 26
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:02:53 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	BV	3712.91650	3.05013e-3	11.32487		TCMX
3.589	VV	1206.29956	8.83780e-2	106.61035		PCB1248_1
3.851	VV	1041.66187	1.04573e-1	108.92969		PCB1248_2
4.422	VV	1840.27234	5.91190e-2	108.79501		PCB1248_3
4.620	VV	1445.28992	7.57244e-2	109.44370		PCB1248_4
4.957	VV	865.40601	1.29131e-1	111.75064		PCB1248_5
6.351	VV	72.35494	1.35075e-1	9.77336		DBC
7.095	VV	3173.20874	3.70768e-3	11.76526		DCBP

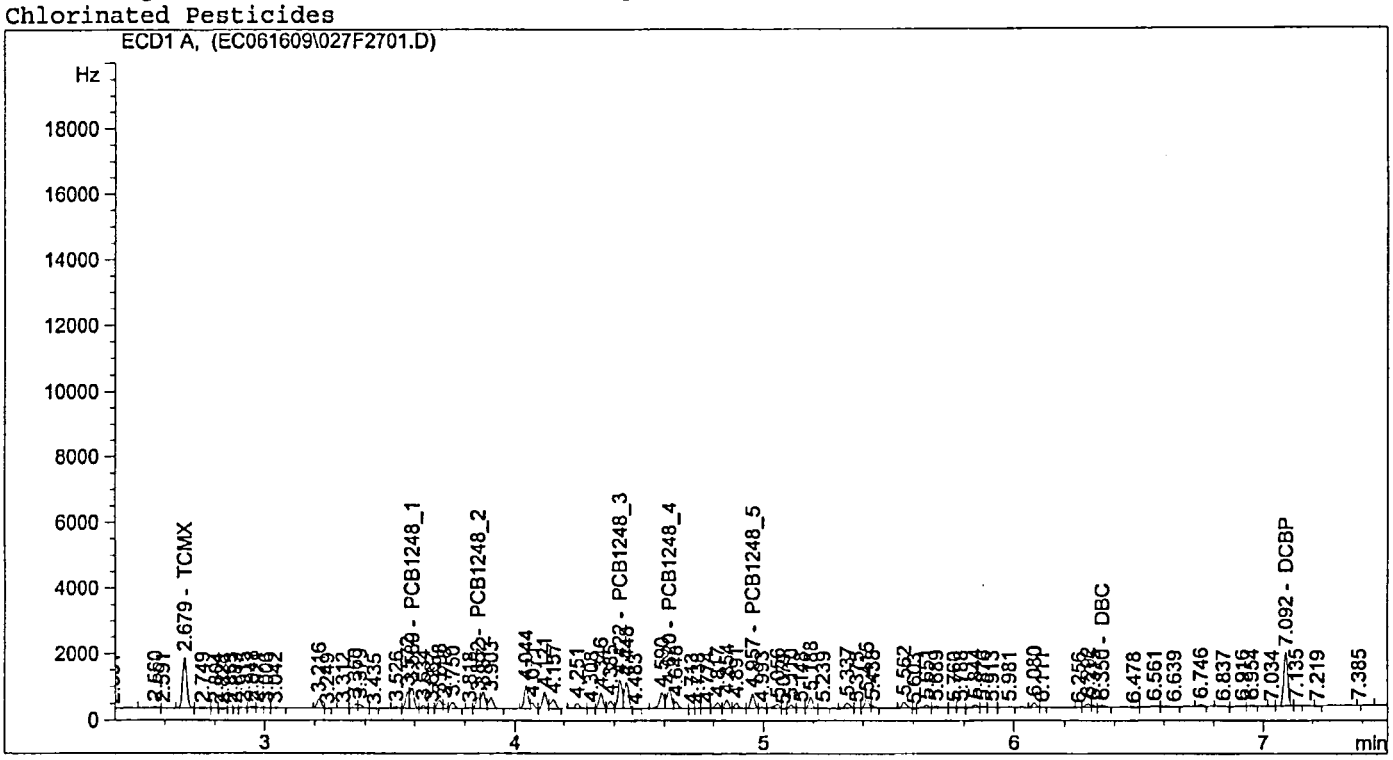
Totals : 578.39286

BWS
6.17.09

Results obtained with enhanced integrator!

```
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:49:47 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                     External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	BV	1804.44470	4.66559e-3	8.41880		TCMX
3.589	VV	689.87244	1.14105e-1	78.71781		PCB1248_1
3.852	VV	361.03488	1.82663e-1	65.94761		PCB1248_2
4.422	VV	989.36005	8.07023e-2	79.84367		PCB1248_3
4.620	VV	791.98114	1.01610e-1	80.47308		PCB1248_4
4.957	VV	474.01437	1.75479e-1	83.17933		PCB1248_5
6.350	VV	66.93967	1.23745e-1	8.28346		DBC
7.092	PV	1745.26758	5.19093e-3	9.05955		DCBP

Totals : 413.92331

BWS
6/17/09

Results obtained with enhanced integrator!

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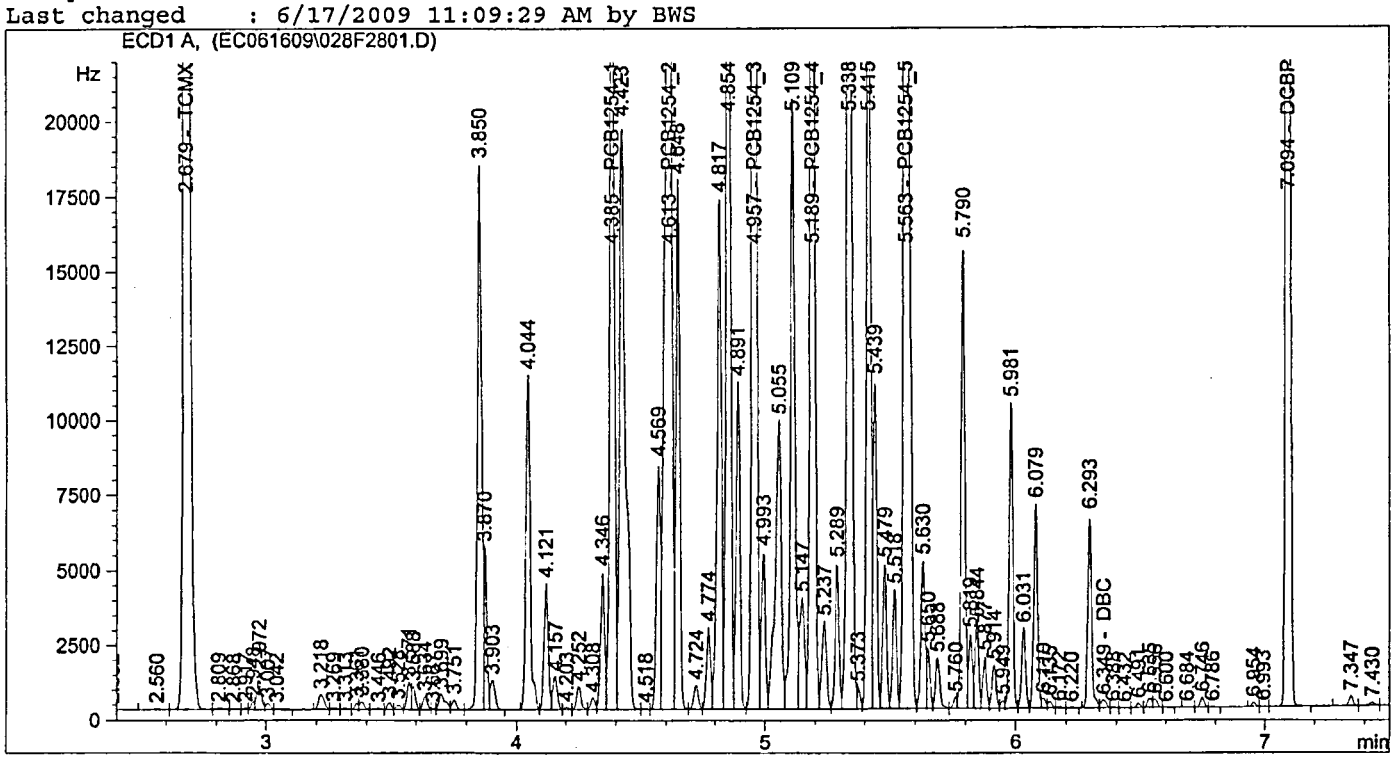
*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 8:02:36 PM          Seq. Line :  28
Sample Name     : A1254 x2000 ICAL               Location : Vial 28
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.22053e5	1.64476e-3	200.74826		TCMX
4.385	VV	3.54882e4	5.61857e-2	1993.92745		PCB1254_1
4.613	VV	6.50329e4	3.06972e-2	1996.32766		PCB1254_2
4.957	VV	6.96113e4	2.87116e-2	1998.65055		PCB1254_3
5.189	VV	5.35099e4	3.74030e-2	2001.43030		PCB1254_4
5.563	VV	7.03196e4	2.84810e-2	2002.77366		PCB1254_5
6.349	VV	399.02768	9.50029e-1	379.08784		DBC
7.094	VB	9.78117e4	2.05768e-3	201.26552		DCBP

Totals : 1.07742e4

BWS
6.17.09

Results obtained with enhanced integrator!

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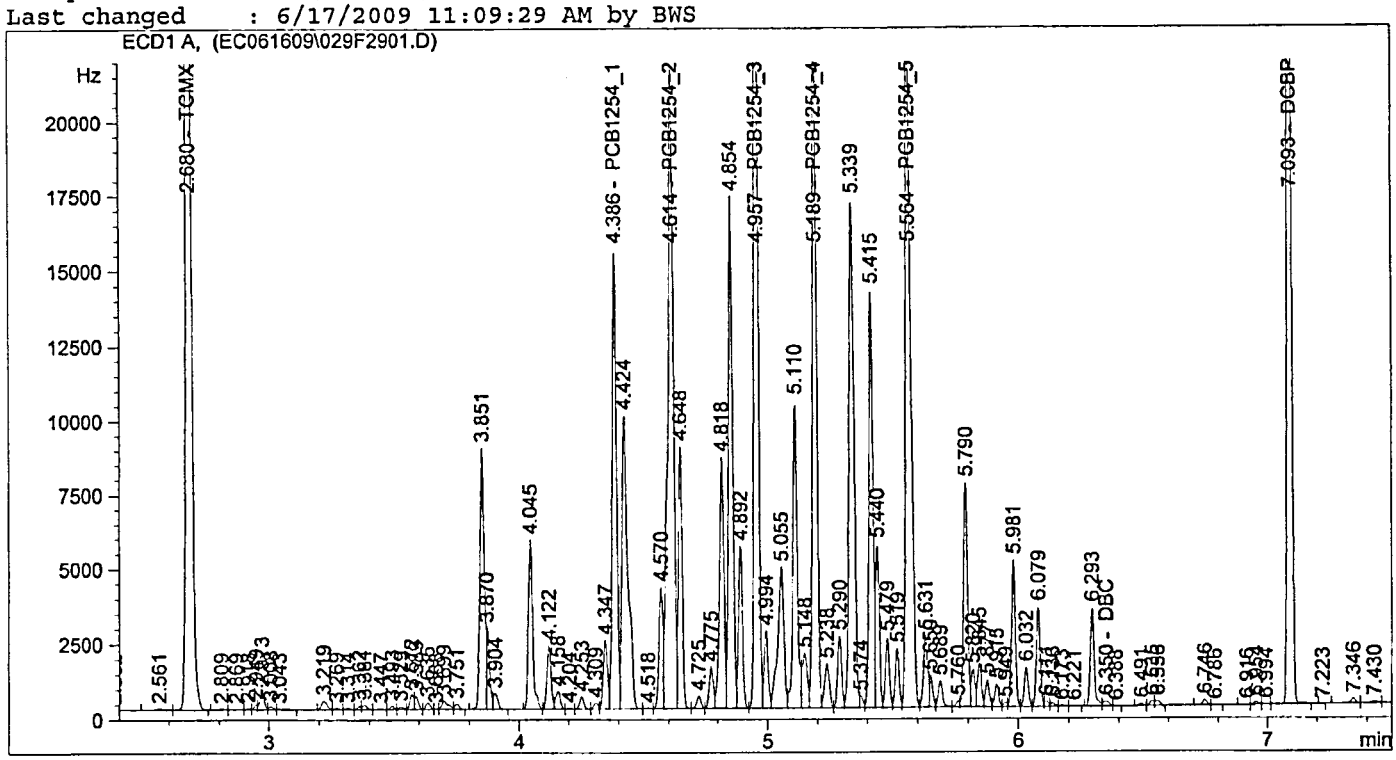
*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 8:15:36 PM          Seq. Line :  29
Sample Name     : A1254 x1000 ICAL               Location : Vial 29
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VB	5.90748e4	1.67583e-3	98.99900		TCMX
4.386	VV	1.79271e4	5.65267e-2	1013.35817		PCB1254_1
4.614	VV	3.26436e4	3.09336e-2	1009.78517		PCB1254_2
4.957	VV	3.46685e4	2.90225e-2	1006.16530		PCB1254_3
5.189	VV	2.64542e4	3.78543e-2	1001.40418		PCB1254_4
5.564	VV	3.46506e4	2.88480e-2	999.60283		PCB1254_5
6.350	VV	239.65477	0.00000	0.00000		DBC
7.093	VB	4.69330e4	2.09460e-3	98.30605		DCBP

Totals : 5227.62071

BWS
6.17.09

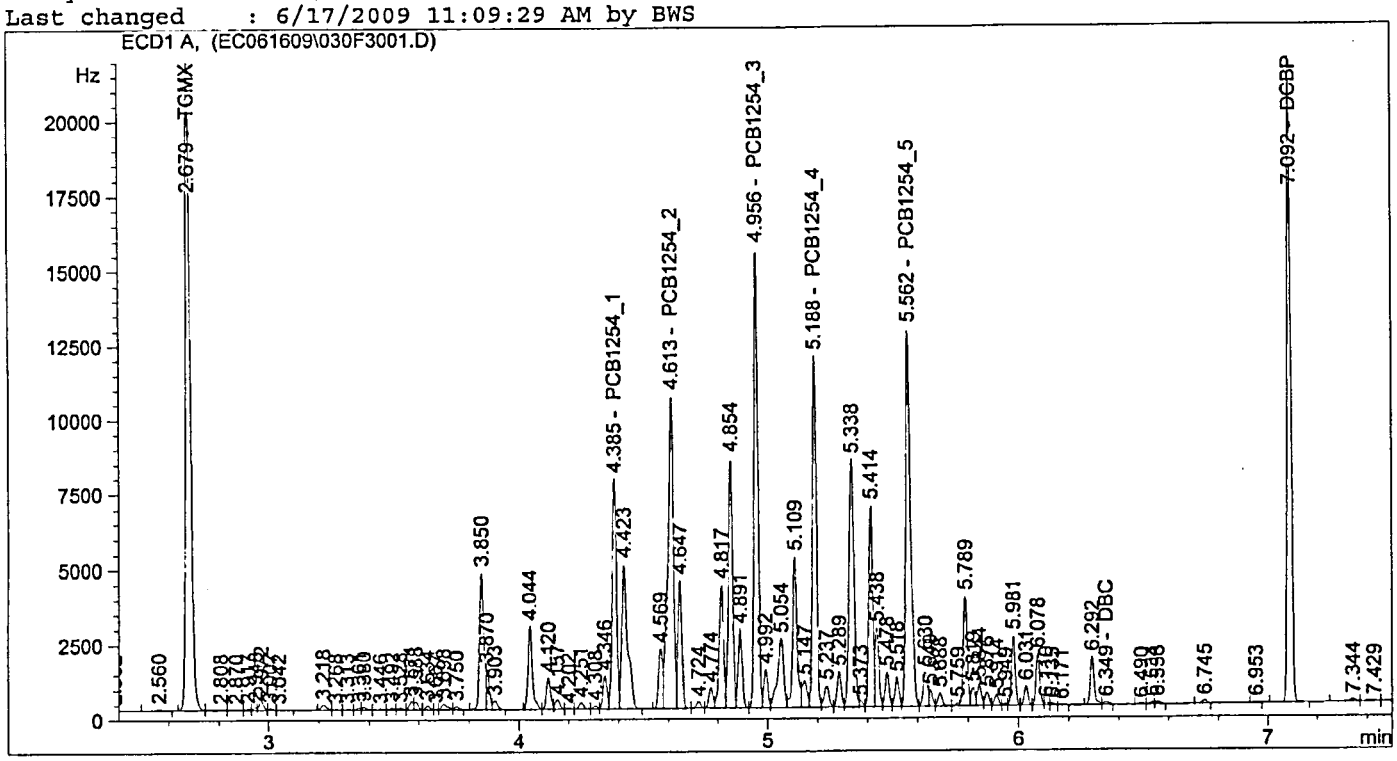
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

==========

Injection Date : 6/16/2009 8:28:31 PM Seq. Line : 30
Sample Name : A1254 x500 ICAL Location : Vial 30
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2.86009e4	1.73998e-3	49.76491		TCMX
4.385	VV	8812.30469	5.72395e-2	504.41229		PCB1254_1
4.613	VV	1.59512e4	3.14303e-2	501.35128		PCB1254_2
4.956	VV	1.68036e4	2.96809e-2	498.74692		PCB1254_3
5.188	VV	1.27868e4	3.88083e-2	496.23276		PCB1254_4
5.562	VV	1.67089e4	2.96250e-2	495.00058		PCB1254_5
6.349	VV	139.15649	0.00000	0.00000		DBC
7.092	VV	2.23516e4	2.17267e-3	48.56259		DCBP

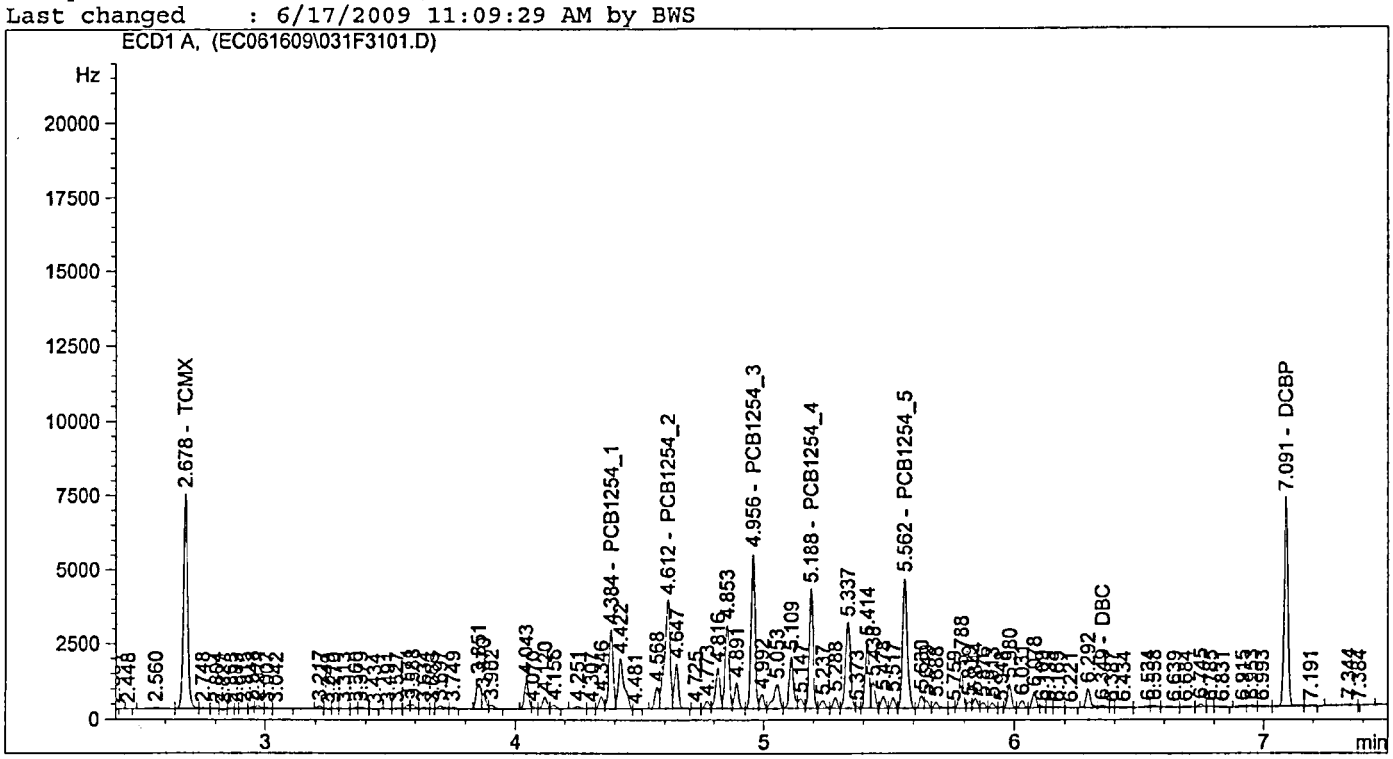
Totals : 2594.07133

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:41:32 PM          Seq. Line :  31
Sample Name     : A1254 x200 ICAL                Location : Vial 31
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	8524.24609	2.03289e-3	17.32882		TCMX
4.384	VV	3080.65039	5.98480e-2	184.37073		PCB1254_1
4.612	VV	5549.41016	3.32512e-2	184.52429		PCB1254_2
4.956	VV	5754.39941	3.21343e-2	184.91339		PCB1254_3
5.188	VV	4395.10254	4.23342e-2	186.06293		PCB1254_4
5.562	VV	5617.83398	3.25875e-2	183.07117		PCB1254_5
6.349	VV	141.14275	0.00000	0.00000		DBC
7.091	VV	7539.11914	2.46550e-3	18.58767		DCBP

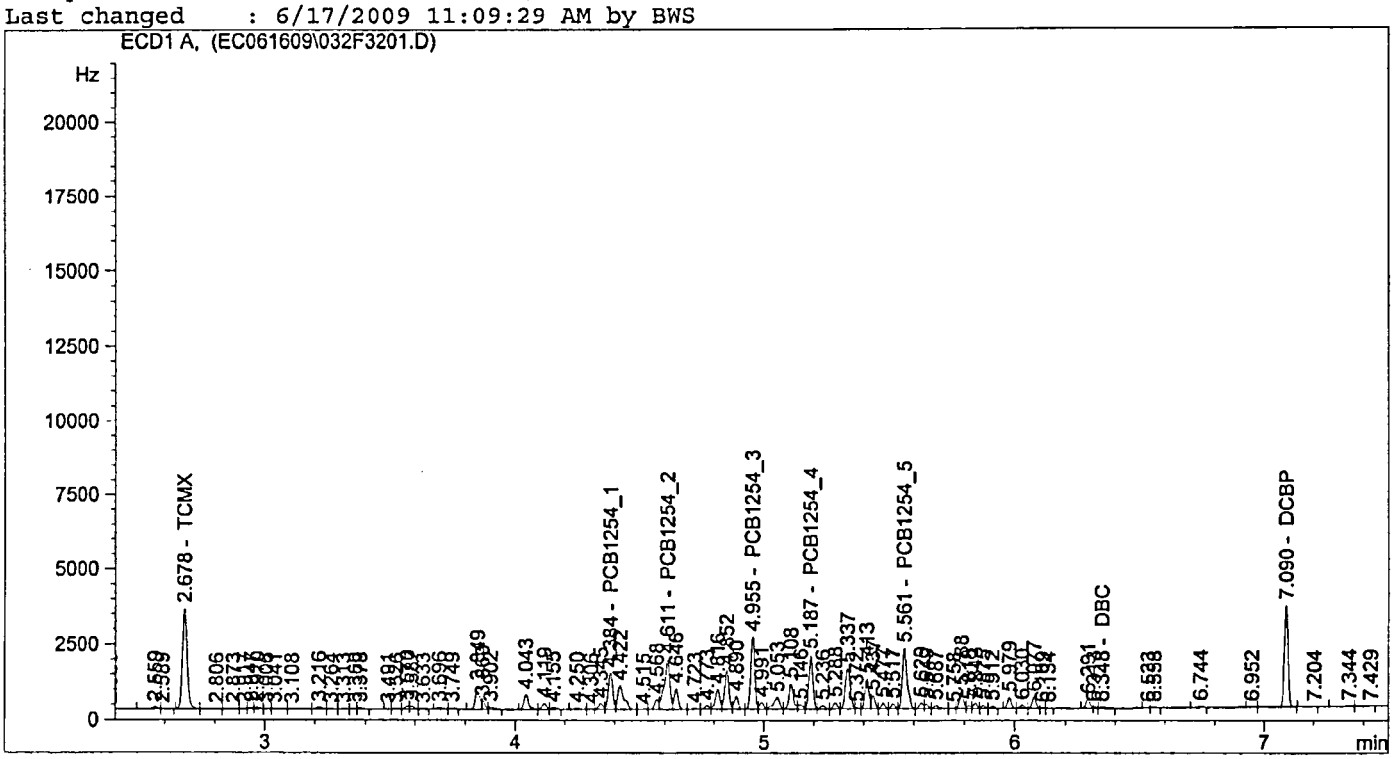
BWS
6.17.09

Totals : 958.85900

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:54:25 PM          Seq. Line :  32
Sample Name     : A1254 x100 ICAL                Location : Vial 32
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	4296.46533	2.44349e-3	10.49836		TCMX
4.384	VV	1435.14307	6.44463e-2	92.48963		PCB1254_1
4.611	VV	2587.54272	3.64473e-2	94.30903		PCB1254_2
4.955	VV	2598.47339	3.66658e-2	95.27513		PCB1254_3
5.187	VV	1981.65430	4.88773e-2	96.85782		PCB1254_4
5.561	VV	2636.43701	3.76345e-2	99.22098		PCB1254_5
6.348	VB	43.90696	0.00000	0.00000		DBC
7.090	VB	3566.89917	2.95758e-3	10.54939		DCBP

Totals : 499.20033

BWS
6.17.09

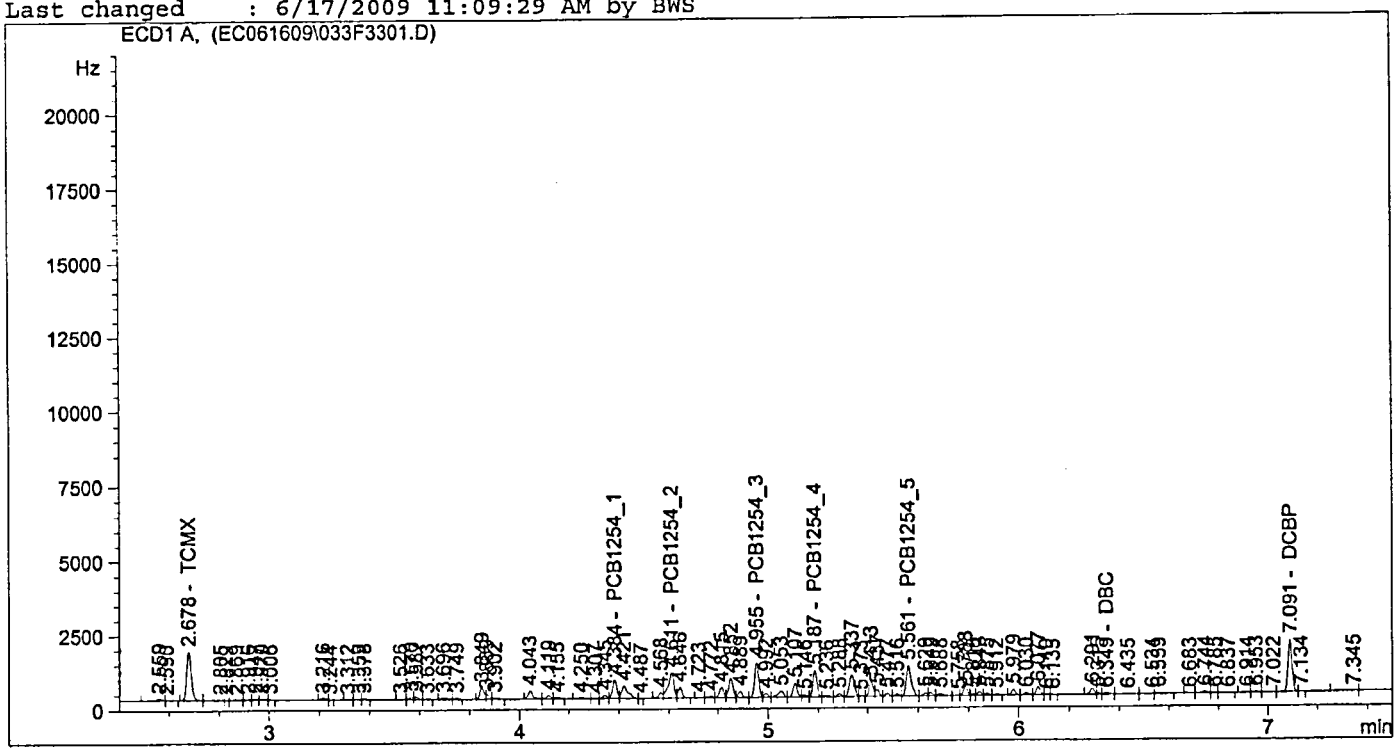
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

==========

Injection Date : 6/16/2009 9:07:20 PM Seq. Line : 33
Sample Name : A1254 x40 ICAL Location : Vial 33
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	2096.34692	3.31234e-3	6.94381		TCMX
4.384	VV	747.95959	7.23555e-2	54.11898		PCB1254_1
4.611	VV	1354.87512	4.18956e-2	56.76331		PCB1254_2
4.955	VV	1309.11450	4.48038e-2	58.65327		PCB1254_3
5.187	VV	1002.31152	6.05198e-2	60.65966		PCB1254_4
5.561	VV	1361.23328	4.65435e-2	63.35655		PCB1254_5
6.349	VV	60.24842	0.00000	0.00000		DBC
7.091	VV	1876.47437	3.79894e-3	7.12861		DCBP

Totals : 307.62420

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

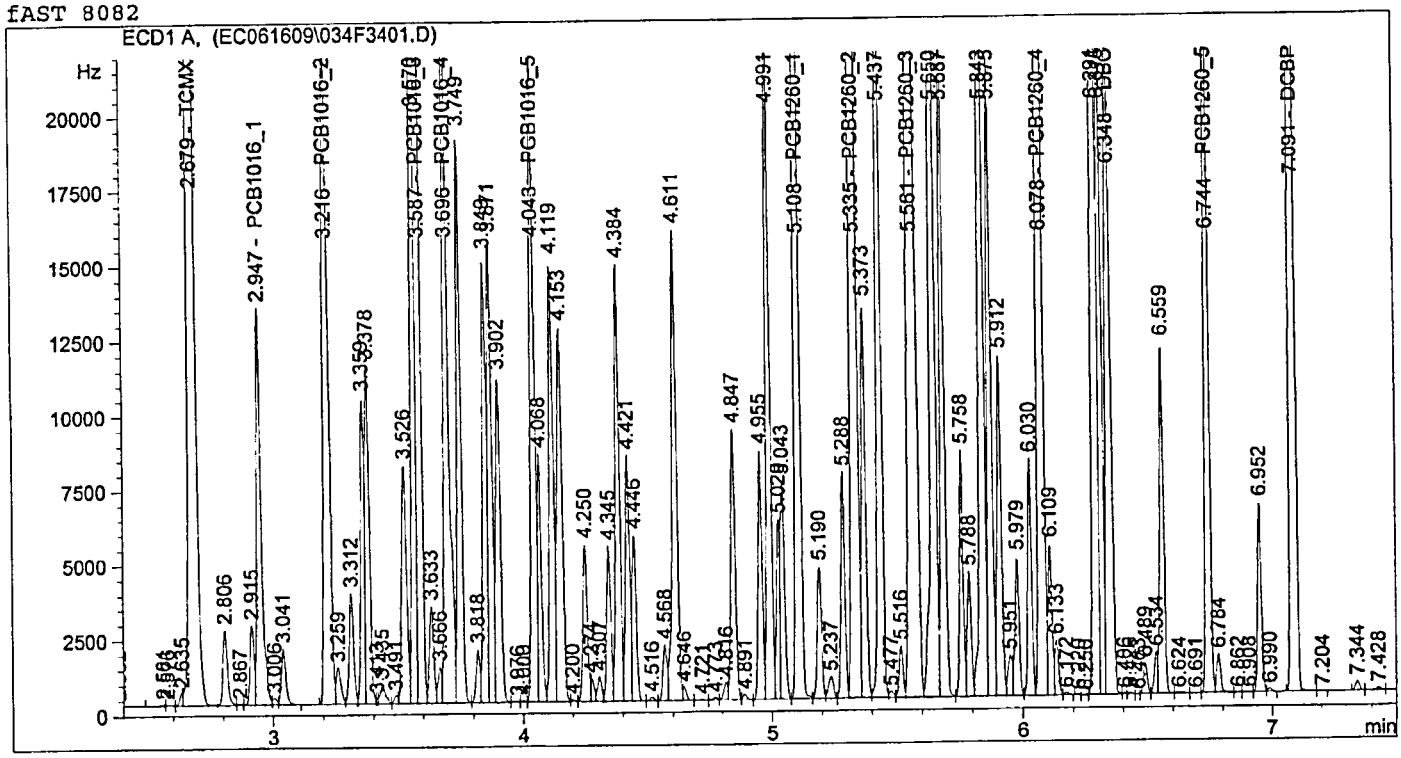
Warning : Negative results set to zero (cal. curve intercept), (DBC)

==========

Injection Date : 6/16/2009 9:20:14 PM
Sample Name : PCB x2000 ICAL
Acq. Operator : BWS

Seq. Line : 34
Location : Vial 34
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET-2\PCBF.M
Last changed : 6/17/2009 11:15:09 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.21250e5	1.65931e-3	201.19254		TCMX
2.947	VV	1.72408e4	1.15845e-1	1997.26688		PCB1016_1
3.216	PV	3.26845e4	6.08924e-2	1990.24185		PCB1016_2
3.587	VV	5.03406e4	3.98945e-2	2008.31722		PCB1016_3
3.696	VV	3.27770e4	6.11295e-2	2003.63813		PCB1016_4
4.043	VV	2.59332e4	7.73971e-2	2007.15412		PCB1016_5
5.108	VV	5.10187e4	3.94658e-2	2013.49142		PCB1260_1
5.335	VV	8.09492e4	2.48880e-2	2014.66536		PCB1260_2
5.561	VV	8.69555e4	2.31943e-2	2016.87090		PCB1260_3
6.078	VV	1.16463e5	1.73421e-2	2019.71412		PCB1260_4
6.348	VV	3.12323e4	6.46853e-3	202.02742		DBC
6.744	VV	2.96732e4	6.81750e-2	2022.96984		PCB1260_5
7.091	VV	1.00152e5	2.02414e-3	202.72162		DCBP
Totals :				2.07003e4		

BWS
6.17.09

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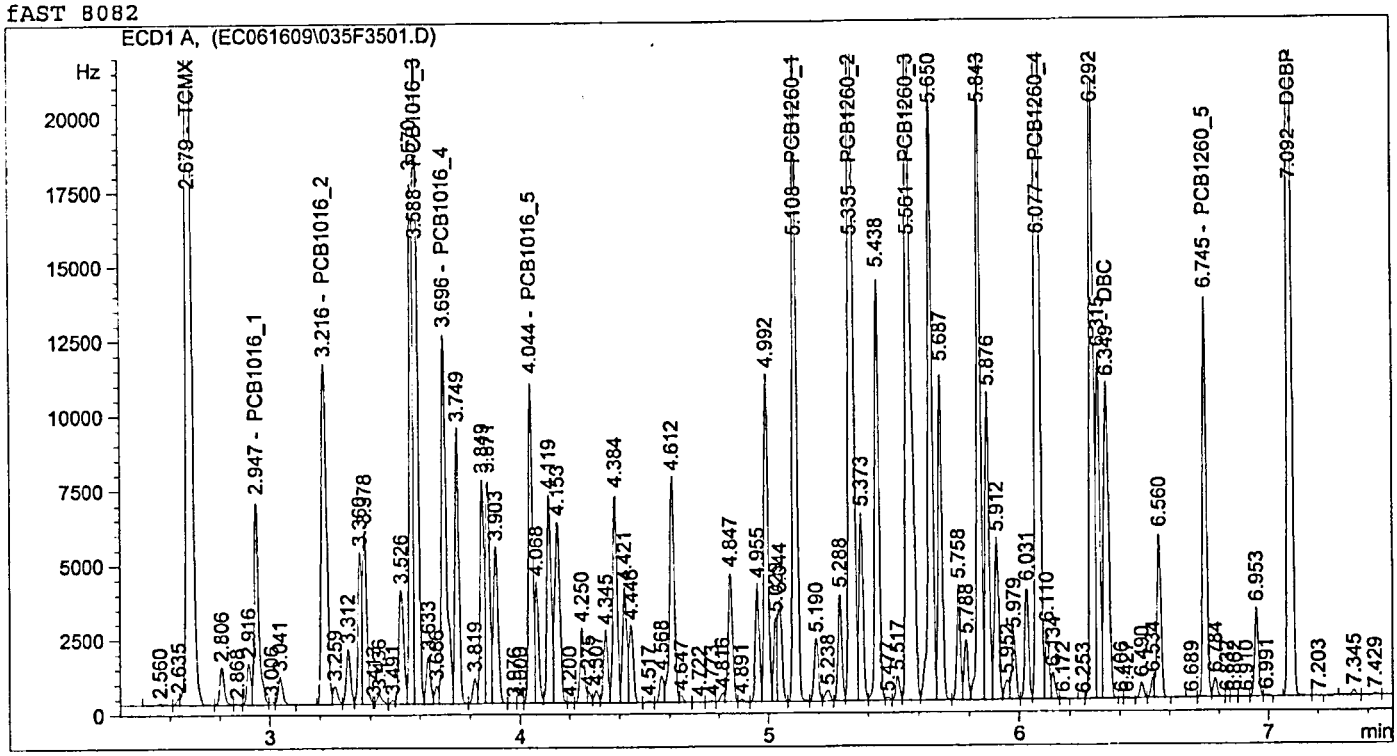
Injection Date : 6/16/2009 9:33:02 PM
Sample Name : PCB x1000 ICAL
Acq. Operator : BWS

Seq. Line : 35
Location : Vial 35
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed : 6/17/2009 11:15:09 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	5.79653e4	1.67490e-3	97.08626		TCMX
2.947	VV	8630.02051	1.14947e-1	991.99581		PCB1016_1
3.216	PV	1.66326e4	6.03041e-2	1003.01564		PCB1016_2
3.588	VV	2.42770e4	4.00624e-2	972.59592		PCB1016_3
3.696	VV	1.60786e4	6.11591e-2	983.35443		PCB1016_4
4.044	VV	1.26056e4	7.75844e-2	977.99992		PCB1016_5
5.108	VV	2.43350e4	3.97752e-2	967.92764		PCB1260_1
5.335	VV	3.84732e4	2.51016e-2	965.73908		PCB1260_2
5.561	VV	4.10533e4	2.34433e-2	962.42580		PCB1260_3
6.077	VV	5.45419e4	1.75871e-2	959.23379		PCB1260_4
6.349	VV	1.46099e4	6.54455e-3	95.61555		DBC
6.745	VV	1.37551e4	6.91876e-2	951.68206		PCB1260_5
7.092	VB	4.59375e4	2.05757e-3	94.51957		DCBP

Totals : 1.00232e4

BWS
6.17.09

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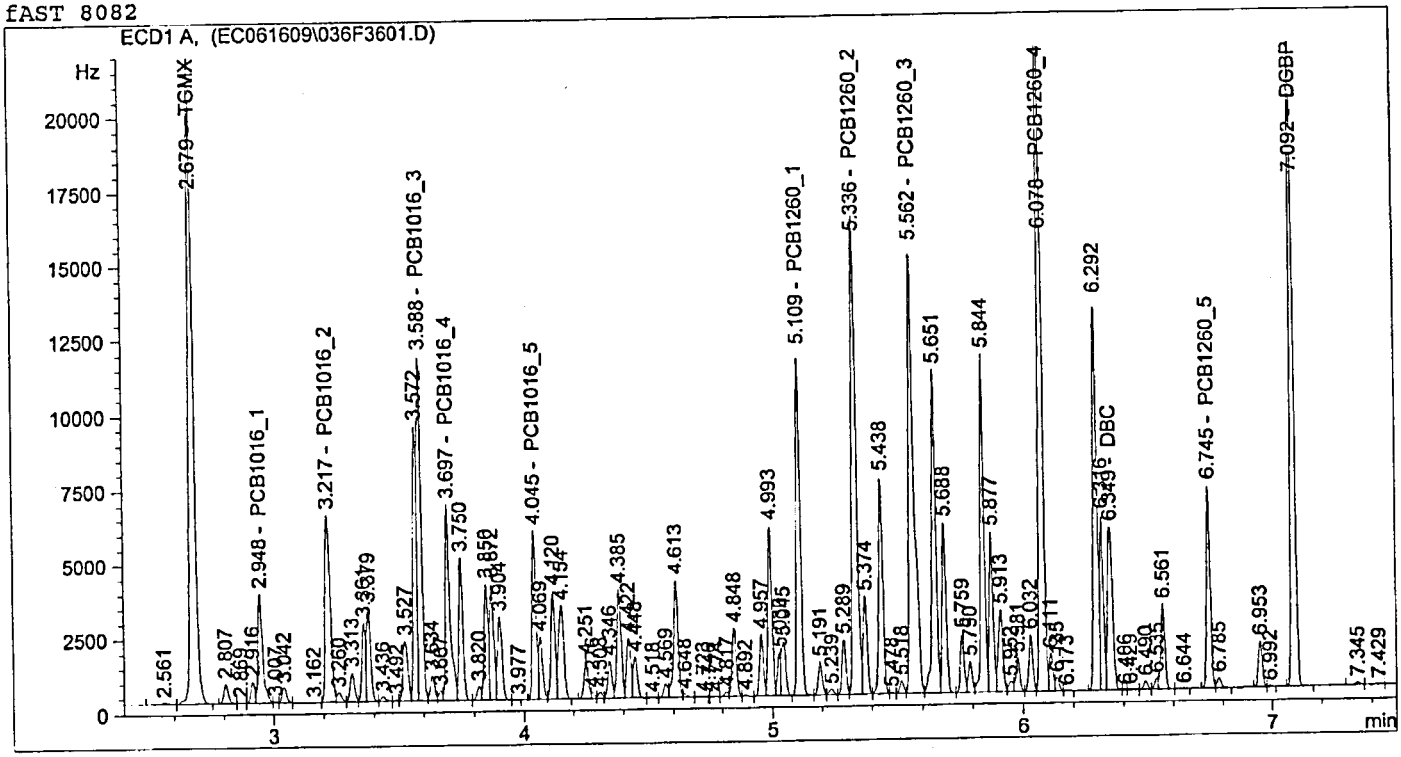
Injection Date : 6/16/2009 9:46:01 PM
Sample Name : PCB x500 ICAL
Acq. Operator : BWS

Seq. Line : 36
Location : Vial 36
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed : 6/17/2009 11:15:09 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	3.01046e4	1.70255e-3	51.25442		TCMX
2.948	VV	4683.42236	1.13431e-1	531.24715		PCB1016_1
3.217	PV	9094.14063	5.93109e-2	539.38206		PCB1016_2
3.588	VV	1.30108e4	4.03431e-2	524.89529		PCB1016_3
3.697	VV	8536.23145	6.12105e-2	522.50719		PCB1016_4
4.045	VV	6655.70361	7.79103e-2	518.54789		PCB1016_5
5.109	VV	1.26906e4	4.03179e-2	511.66021		PCB1260_1
5.336	VV	2.00608e4	2.54753e-2	511.05530		PCB1260_2
5.562	VV	2.12894e4	2.38813e-2	508.41859		PCB1260_3
6.078	VV	2.78606e4	1.80285e-2	502.28332		PCB1260_4
6.349	VV	7585.99463	6.67681e-3	50.65023		DBC
6.745	VV	7103.52344	7.09552e-2	504.03201		PCB1260_5
7.092	VB	2.35723e4	2.11616e-3	49.88272		DCBP

Totals : 5325.81638

BWS
6.17.09

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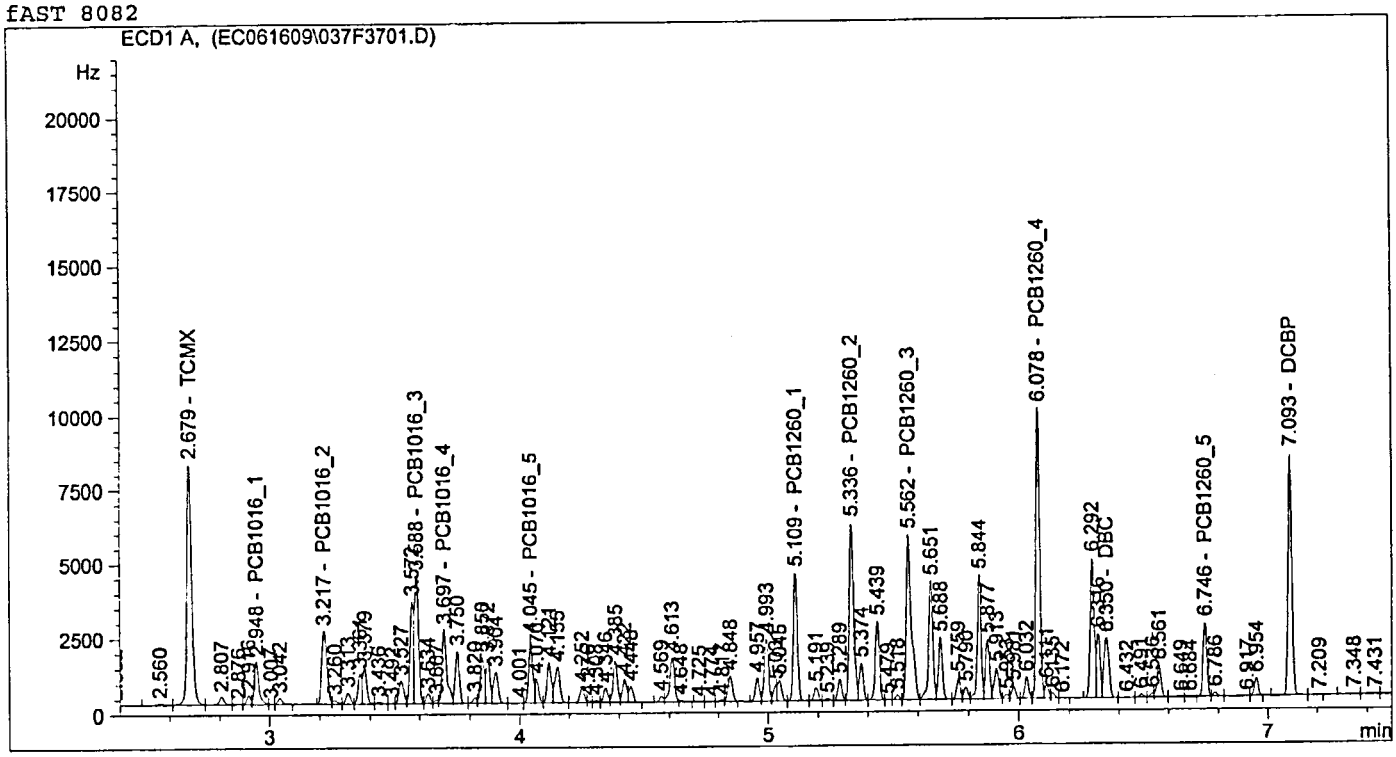
Injection Date : 6/16/2009 9:58:51 PM
Sample Name : PCB x200 ICAL
Acq. Operator : BWS

Seq. Line : 37
Location : Vial 37
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed : 6/17/2009 11:15:09 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.08099e4	1.80519e-3	19.51395		TCMX
2.948	VV	1826.83508	1.08249e-1	197.75265		PCB1016_1
3.217	BV	3515.66235	5.58341e-2	196.29384		PCB1016_2
3.588	VV	4714.23291	4.14076e-2	195.20522		PCB1016_3
3.697	VV	3178.36353	6.13953e-2	195.13662		PCB1016_4
4.045	VV	2462.75513	7.90857e-2	194.76877		PCB1016_5
5.109	VV	4633.16504	4.22905e-2	195.93902		PCB1260_1
5.336	VV	7301.72949	2.68395e-2	195.97470		PCB1260_2
5.562	VV	7683.14453	2.54925e-2	195.86235		PCB1260_3
6.078	VV	1.00399e4	1.96300e-2	197.08246		PCB1260_4
6.350	VV	2740.56128	7.16318e-3	19.63114		DBC
6.746	VV	2536.74219	7.75356e-2	196.68793		PCB1260_5
7.093	VB	8475.61133	2.33050e-3	19.75239		DCBP

Totals : 2019.60105

BWS
6.17.09

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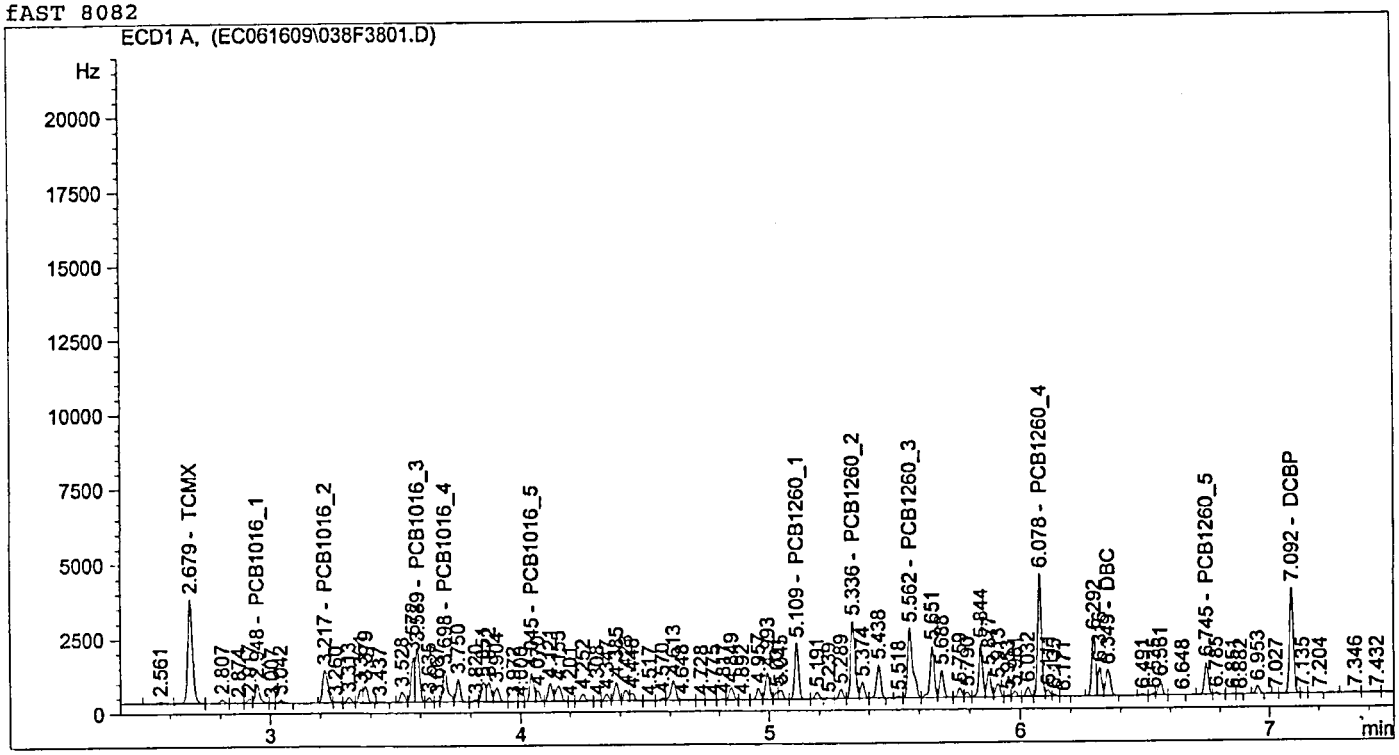
Injection Date : 6/16/2009 10:11:44 PM Seq. Line : 38
Sample Name : PCB x100 ICAL Location : Vial 38
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed : 6/17/2009 11:15:09 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	4626.69043	2.01923e-3	9.34235		TCMX
2.948	VV	850.59192	9.84966e-2	83.78039		PCB1016_1
3.217	BV	1599.89221	4.90470e-2	78.46993		PCB1016_2
3.589	VV	2033.84790	4.36077e-2	88.69151		PCB1016_3
3.698	VV	1423.24719	6.17584e-2	87.89743		PCB1016_4
4.045	VV	1106.63562	8.13722e-2	90.04934		PCB1016_5
5.109	VV	2028.33423	4.62805e-2	93.87227		PCB1260_1
5.336	VV	3216.15210	2.95643e-2	95.08322		PCB1260_2
5.562	VV	3360.40771	2.87353e-2	96.56241		PCB1260_3
6.078	VV	4285.95654	2.29913e-2	98.53964		PCB1260_4
6.349	VB	1223.74329	8.10701e-3	9.92090		DBC
6.745	VV	1109.86353	9.06950e-2	100.65909		PCB1260_5
7.092	VV	3759.68237	2.75030e-3	10.34024		DCBP
Totals :				943.20871		

BWS
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\039F3901.D

Sample Name: PCB x40 ICAL

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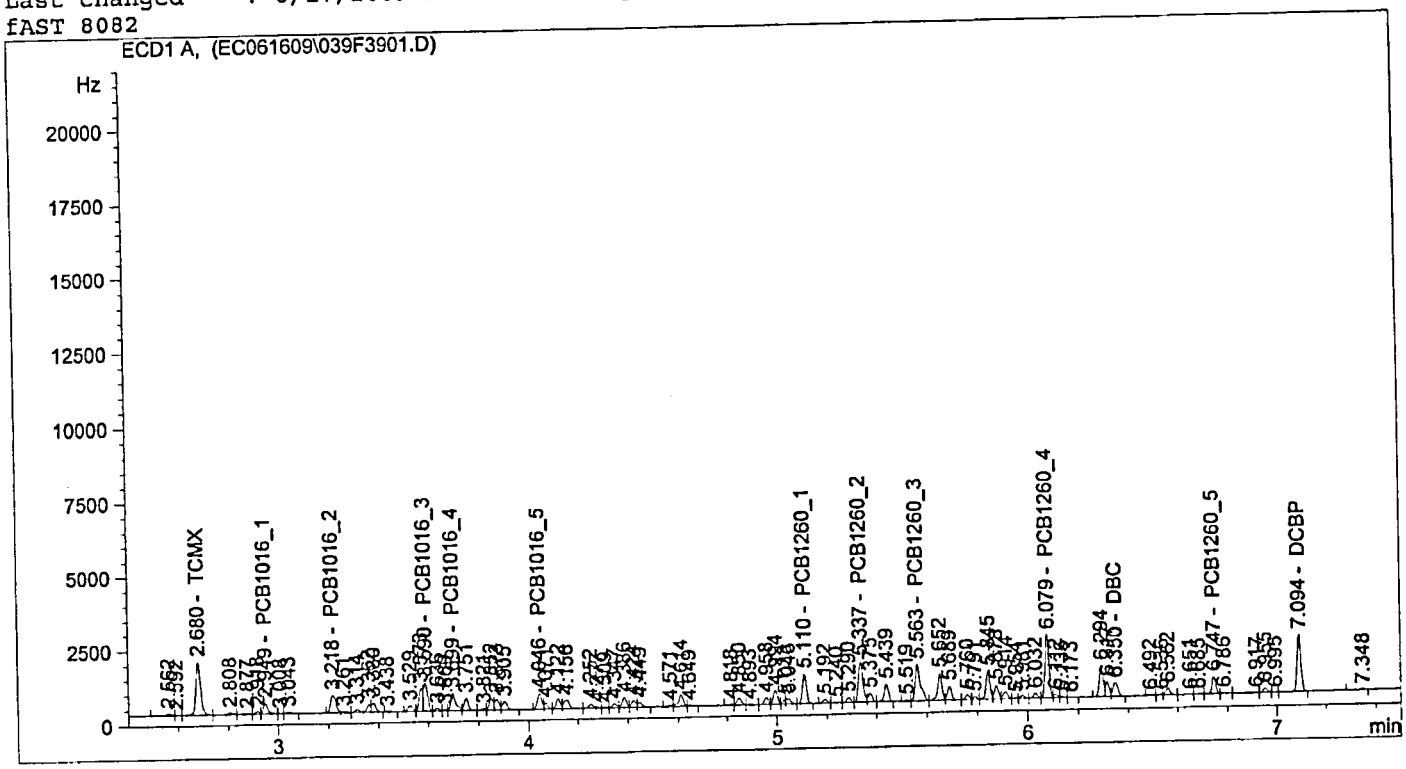
Injection Date : 6/16/2009 10:24:44 PM
Sample Name : PCB x40 ICAL
Acq. Operator : BWS

Seq. Line : 39
Location : Vial 39
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed : 6/17/2009 11:15:09 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	2358.12231	2.37921e-3	5.61048		TCMX
2.949	VV	458.08719	8.28600e-2	37.95712		PCB1016_1
3.218	BV	854.01141	3.81689e-2	32.59668		PCB1016_2
3.590	VV	1067.60730	4.71099e-2	50.29484		PCB1016_3
3.699	VV	761.53467	6.23297e-2	47.46620		PCB1016_4
4.046	PV	607.16089	8.47880e-2	51.47995		PCB1016_5
5.110	VV	1090.11560	5.23884e-2	57.10944		PCB1260_1
5.337	VV	1693.51343	3.39427e-2	57.48234		PCB1260_2
5.563	VV	1762.67249	3.39598e-2	59.85996		PCB1260_3
6.079	VV	2219.36157	2.84526e-2	63.14669		PCB1260_4
6.350	VV	635.44293	9.68579e-3	6.15477		DBC
6.747	VV	564.69189	1.13281e-1	63.96907		PCB1260_5
7.094	VV	1977.56738	3.43020e-3	6.78346		DCBP
Totals :				539.91099		

BWS
6/17/09

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	68.25872803	3.31863
		2	54.14932251	3.4258101
		3	171.6998596	3.47351
		4	0	0
		5	0	0
	100	1	134.818222	3.3185799
		2	93.75131226	3.4258699
		3	334.0836182	3.4739499
		4	0	0
		5	0	0
	200	1	275.8415222	3.31863
		2	187.9540558	3.42608
		3	654.3911743	3.4741499
		4	0	0
		5	0	0
	500	1	666.2232666	3.31865
		2	442.7644043	3.42591
		3	1580.27002	3.4739399
		4	0	0
		5	0	0
	1000	1	1352.282471	3.3185201
		2	878.3676147	3.42574
		3	3245.028809	3.4734499
		4	0	0
		5	0	0
	2000	1	2881.797607	3.31828
		2	1829.250732	3.42557
		3	6903.972168	3.4735999
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	3.2885	3.3485
2	3.3958	3.4558
3	3.4438	3.5038
4		
5		

Peak	Correlation Coefficient (r)
1	0.999397081
2	0.999671596
3	0.999354877
4	
5	

Peak	Slope (y)
1	0.69661673
2	1.103230345
3	0.290868062
4	
5	

Peak	Intercept (b)
1	15.45734798
2	-1.020489447
3	15.14532091
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	495.0893555	2.95327
		2	395.8239136	3.2230301
		3	525.0204468	3.5950401
		4	292.696106	4.0517302
		5	251.546936	4.4556398
	100	1	822.0823364	2.9533701
		2	627.5452271	3.22329
		3	845.7796021	3.5953801
		4	440.4623718	4.0520701
		5	406.5694275	4.45614
	200	1	1918.338501	2.9526601
		2	1475.925781	3.2225499
		3	1920.7677	3.59483
		4	955.569458	4.05125
		5	916.8273926	4.45506
	500	1	5459.367188	2.9532599
		2	4011.202393	3.2229099
		3	5890.492676	3.5949399
		4	2581.757813	4.0513
		5	2731.882568	4.4552202
	1000	1	10642.22656	2.95364
		2	8107.244629	3.22352
		3	11423.75781	3.5956399
		4	5312.279297	4.05231
		5	5470.343262	4.4562201
	2000	1	21929.52148	2.95332
		2	16745.51172	3.2232001
		3	24888.66992	3.59514
		4	11396.51563	4.0517502
		5	11935.27344	4.4556999

Peak	RT Window From	RT Window To
1	2.9233	2.9833
2	3.1931	3.2531
3	3.5652	3.6252
4	4.0217	4.0817
5	4.4257	4.4857

Peak	Correlation Coefficient (r)
1	0.99980252
2	0.999796603
3	0.999152508
4	0.999245784
5	0.999117781

Peak	Slope (y)
1	0.090809351
2	0.118921741
3	0.079932803
4	0.175114454
5	0.166558646

Peak	Intercept (b)
1	15.43408851
2	18.37121099
3	33.91633781
4	27.70412041
5	37.267483

PCB Initial Calibration Summary

Sample ID: A1242
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	403.0035706	2.94821
		2	725.3896484	3.2174399
		3	897.3375854	3.5889201
		4	509.7808533	4.0448699
		5	513.4442139	4.4223499
	100	1	793.5803223	2.9484501
		2	1467.12085	3.2176499
		3	1857.668701	3.5894201
		4	1025.639404	4.0453701
		5	1045.561646	4.4226699
	200	1	1538.385742	2.9498799
		2	2850.614014	3.21928
		3	3870.946045	3.5906601
		4	2049.926758	4.0471101
		5	2122.512451	4.4245901
	500	1	3628.715576	2.9507599
		2	6743.108398	3.21929
		3	10631.87207	3.5915501
		4	4836.100586	4.0467901
		5	5635.855957	4.4250598
	1000	1	8266.917969	2.9516699
		2	15512.74023	3.2212901
		3	22709.72656	3.59319
		4	11790.20996	4.0496001
		5	12501.0459	4.4270201
	2000	1	15892.9834	2.9526701
		2	29535.74609	3.2226501
		3	44998.21484	3.5947499
		4	23374.73242	4.0508699
		5	25335.19531	4.4284501

Peak	RT Window From	RT Window To
1	2.9203	2.9803
2	3.1896	3.2496
3	3.5614	3.6214
4	4.0174	4.0774
5	4.3950	4.4550

Peak	Correlation Coefficient (r)
1	0.999382277
2	0.99924372
3	0.999835192
4	0.998984327
5	0.99965219

✓

Peak	Slope (y)
1	0.124937308
2	0.067088902
3	0.043983124
4	0.084482632
5	0.07816203

Peak	Intercept (b)
1	4.410879429
2	4.503517866
3	17.15669073
4	26.28450961
5	25.72961152

PCB Initial Calibration Summary

Sample ID: A1248
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	689.8724365	3.5885501
		2	361.0348816	3.8517399
		3	989.3600464	4.4222999
		4	791.9811401	4.6195402
		5	474.0143738	4.9567099
	100	1	1206.299561	3.5888801
		2	1041.661865	3.85131
		3	1840.272339	4.42238
		4	1445.289917	4.6200199
		5	865.4060059	4.9569502
	200	1	2780.866699	3.5878699
		2	2357.027588	3.85039
		3	4327.105469	4.4215598
		4	3333.630859	4.6187901
		5	1994.117676	4.9559798
	500	1	7947.630371	3.58832
		2	6716.694336	3.8503301
		3	12407.98633	4.42167
		4	9514.631836	4.61975
		5	5683.827637	4.9563398
	1000	1	17201.23828	3.5877299
		2	15082.45215	3.8497901
		3	26991.54883	4.4212699
		4	20718.24609	4.6191101
		5	12462.66113	4.9556799
	2000	1	36665.78516	3.5884299
		2	31148.52148	3.8506501
		3	58161.60547	4.4218602
		4	44654.57031	4.6196499
		5	27130.5918	4.9560599

Peak	RT Window From	RT Window To
1	3.5583	3.6183
2	3.8207	3.8807
3	4.3918	4.4518
4	4.5895	4.6495
5	4.9263	4.9863

Peak	Correlation Coefficient (r)
1	0.999329938
2	0.999647016
3	0.999192989
4	0.999159614
5	0.998955352

Peak	Slope (y)
1	0.053938235
2	0.063106134
3	0.033968994
4	0.044269949
5	0.072846844

Peak	Intercept (b)
1	42.25924654
2	43.56928499
3	47.13983997
4	46.35215364
5	49.81163788

PCB Initial Calibration Summary

Sample ID: A1254 Date: 16-Jun-09

Inst: ECD2 Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	747.9595947	4.3836298
		2	1354.875122	4.61128
		3	1309.114502	4.9548202
		4	1002.311523	5.1868401
		5	1361.233276	5.5612702
	100	1	1435.143066	4.38377
		2	2587.542725	4.6112299
		3	2598.473389	4.9552302
		4	1981.654297	5.18681
		5	2636.437012	5.56142
	200	1	3080.650391	4.38446
		2	5549.410156	4.61164
		3	5754.399414	4.9558001
		4	4395.102539	5.1876402
		5	5617.833984	5.5620098
	500	1	8812.304688	4.3850398
		2	15951.19336	4.6125302
		3	16803.64844	4.95645
		4	12786.76074	5.1880298
		5	16708.86914	5.56218
	1000	1	17927.06445	4.3857198
		2	32643.64453	4.6135402
		3	34668.50781	4.9574499
		4	26454.19531	5.1893702
		5	34650.625	5.5636301
	2000	1	35488.17188	4.38515
		2	65032.93359	4.6129198
		3	69611.28906	4.95679
		4	53509.94531	5.18852
		5	70319.60156	5.56285

Peak	RT Window From	RT Window To
1	4.3546	4.4146
2	4.5822	4.6422
3	4.9261	4.9861
4	5.1579	5.2179
5	5.5322	5.5922

Peak	Correlation Coefficient (r)
1	0.999871063
2	0.999883624
3	0.999887813
4	0.999886128
5	0.999848139

Peak	Slope (y)
1	0.055854704
2	0.030471499
3	0.028411196
4	0.036973921
5	0.028133881

Peak	Intercept (b)
1	11.71563016
2	14.72687888
3	20.89432368
4	22.96707296
5	24.36222119

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	458.0871887	2.9489901
		2	854.0114136	3.2182
		3	1067.6073	3.58971
		4	761.534668	3.69853
		5	607.1608887	4.0458798
	100	1	850.5919189	2.9480901
		2	1599.892212	3.2174301
		3	2033.8479	3.58881
		4	1423.247192	3.6976199
		5	1106.63562	4.0448298
	200	1	1826.835083	2.94767
		2	3515.662354	3.2168901
		3	4714.23291	3.5883801
		4	3178.363525	3.69735
		5	2462.755127	4.0446401
	500	1	4683.422363	2.9478099
		2	9094.140625	3.2171299
		3	13010.7832	3.5883801
		4	8536.231445	3.6970899
		5	6655.703613	4.0445199
	1000	1	8630.020508	2.9468901
		2	16632.63867	3.2163401
		3	24277.0332	3.58762
		4	16078.62793	3.6963401
		5	12605.62012	4.04353
	2000	1	17240.79102	2.9468701
		2	32684.54492	3.21632
		3	50340.64453	3.5873201
		4	32776.96875	3.6963201
		5	25933.19531	4.04321

Peak	RT Window From	RT Window To
1	2.9177	2.9777
2	3.1871	3.2471
3	3.5584	3.6184
4	3.6672	3.7272
5	4.0144	4.0744

Peak	Correlation Coefficient (r)
1	0.999767974
2	0.999615666
3	0.999701823
4	0.99982024
5	0.999800099

Peak	Slope (y)
1	0.116691605
2	0.061454851
3	0.039714517
4	0.061078938
5	0.077189043

Peak	Intercept (b)
1	-15.21846314
2	-19.41966486
3	8.246950002
4	1.165477844
5	4.84904761

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	1090.115601	5.1100502
		2	1693.513428	5.3373599
		3	1762.672485	5.5627599
		4	2219.361572	6.07901
		5	564.6918945	6.7466302
	100	1	2028.334229	5.1089802
		2	3216.1521	5.33599
		3	3360.407715	5.5618
		4	4285.956543	6.0783401
		5	1109.863525	6.74509
	200	1	4633.165039	5.1089501
		2	7301.729492	5.33606
		3	7683.144531	5.5619102
		4	10039.87402	6.0783701
		5	2536.742188	6.7459998
	500	1	12690.63965	5.1089702
		2	20060.8457	5.3362699
		3	21289.37891	5.56216
		4	27860.55859	6.0781002
		5	7103.523438	6.74508
	1000	1	24334.97461	5.1079702
		2	38473.16016	5.3350201
		3	41053.27344	5.56106
		4	54541.90625	6.0773802
		5	13755.09082	6.7446499
	2000	1	51018.65625	5.1076198
		2	80949.1875	5.3348999
		3	86955.5	5.56072
		4	116463.375	6.0775199
		5	29673.20117	6.7441101

Peak	RT Window From	RT Window To
1	5.0788	5.1388
2	5.3059	5.3659
3	5.5317	5.5917
4	6.0481	6.1081
5	6.7153	6.7753

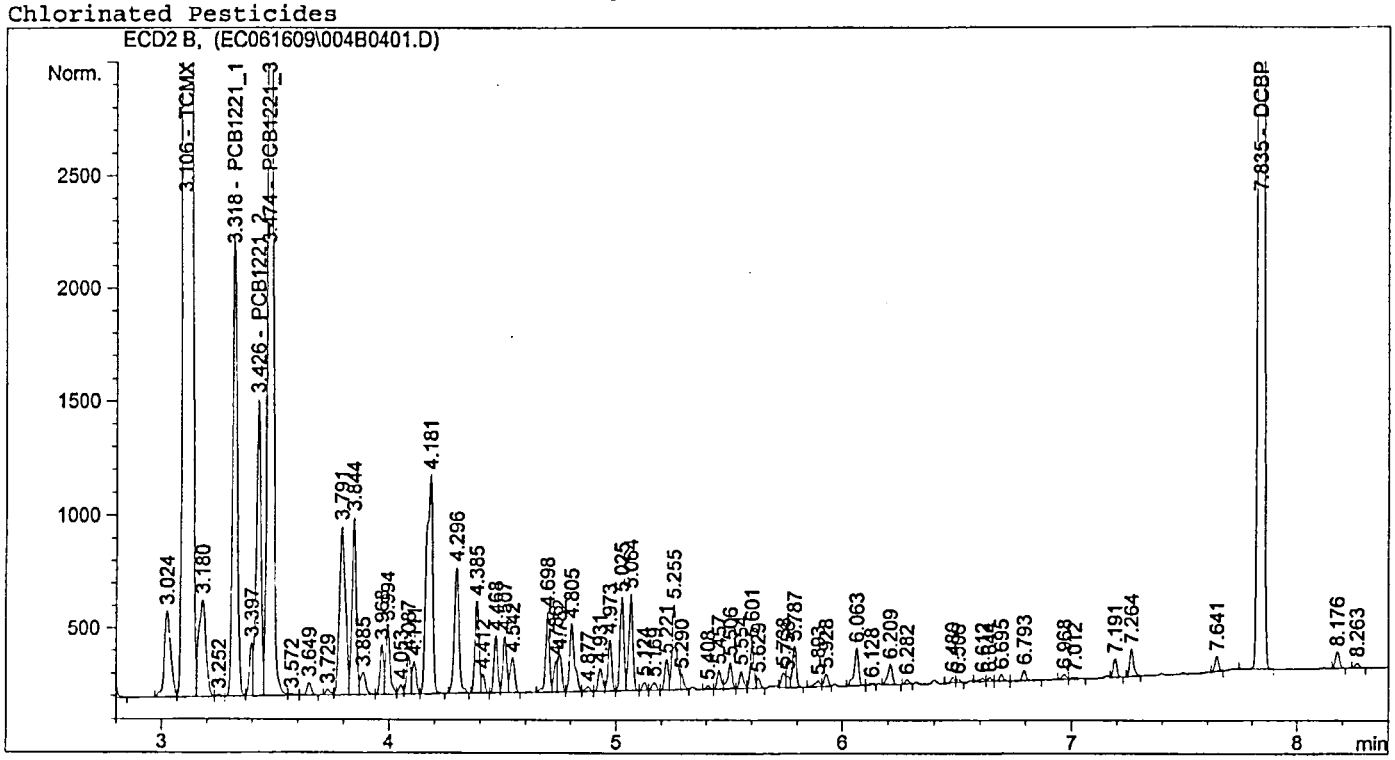
Peak	Correlation Coefficient (r)
1	0.99970242
2	0.999673663
3	0.999615082
4	0.999542832
5	0.999391482

Peak	Slope (y)
1	0.039160323
2	0.024678433
3	0.022953865
4	0.017110559
5	0.067218053

Peak	Intercept (b)
1	14.76702614
2	16.06921781
3	19.84633707
4	25.69948897
5	26.71242249

Data File C:\HPCHEM\1\DATA\EC061609\004B0401.D

```
==================================================================
Injection Date  : 6/16/2009 3:19:26 PM          Seq. Line :   4
Sample Name     : A1221 x2000 ICAL               Location : Vial 4
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 9:25:07 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.01823e4	6.73864e-3	203.38781		TCMX
3.318	VV	2881.79761	7.02560e-1	2024.63492		PCB1221_1
3.426	VV	1829.25073	1.10317	2017.96934		PCB1221_2
3.474	VV	6903.97217	2.93321e-1	2025.07684		PCB1221_3
6.890		-	-	-		DBC
7.835	BP	3.04287e4	6.70653e-3	204.07139		DCBP

BWS
6.17.09

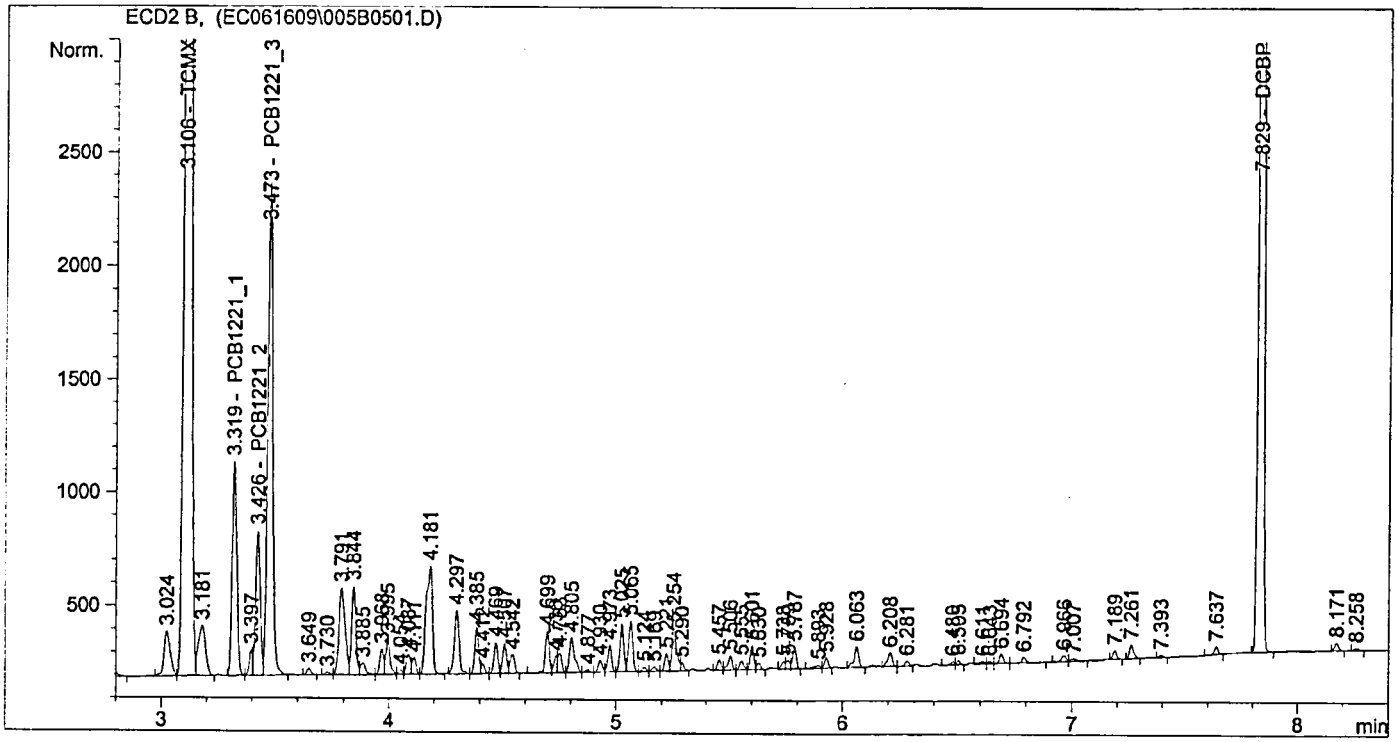
Totals : 6475.14029

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

ECD2 6/17/2009 9:25:30 AM BWS

```
==================================================================
Injection Date  : 6/16/2009 3:32:12 PM          Seq. Line :   5
Sample Name     : A1221 x1000 ICAL               Location : Vial 5
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

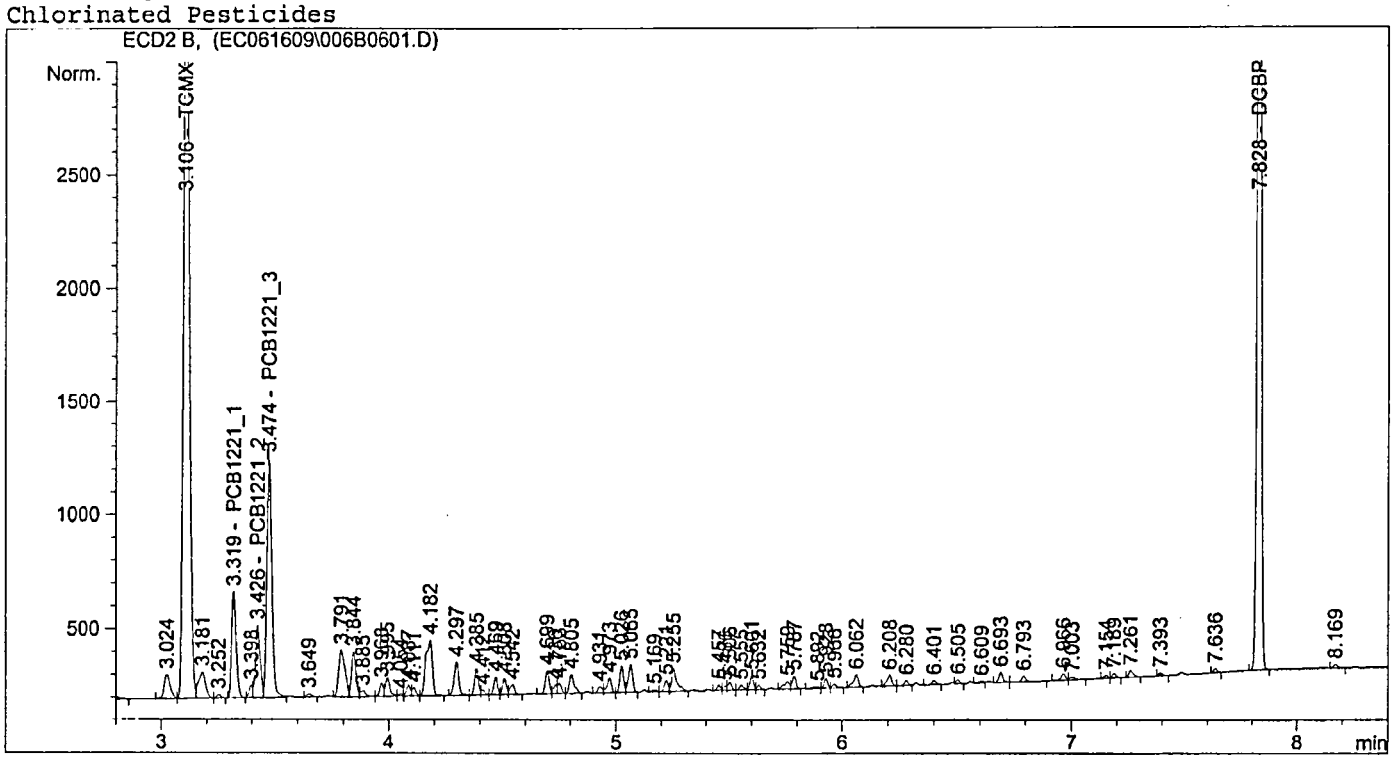
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.37204e4	6.90532e-3	94.74401		TCMX
3.319	BV	1352.28247	7.08331e-1	957.86312		PCB1221_1
3.426	VV	878.36761	1.10231	968.23687		PCB1221_2
3.473	VB	3245.02881	2.95662e-1	959.43257		PCB1221_3
6.890		-	-	-		DBC
7.829	BB	1.36037e4	6.86986e-3	93.45533		DCBP
Totals :				3073.73190		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

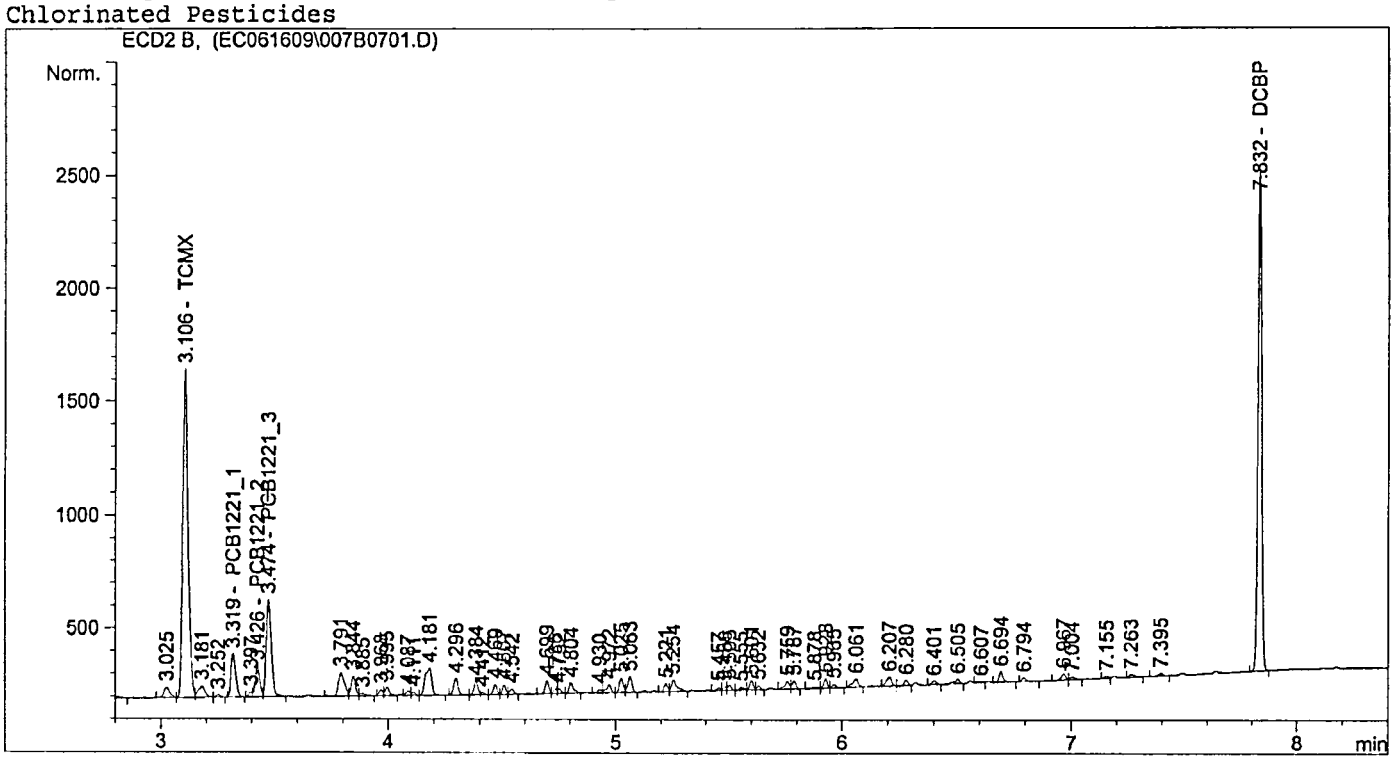
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6381.74414	7.25673e-3	46.31061		TCMX
3.319	BB	666.22327	7.19528e-1	479.36598		PCB1221_1
3.426	VV	442.76440	1.10070	487.35039		PCB1221_2
3.474	VV	1580.27002	3.00317e-1	474.58204		PCB1221_3
6.890		-	-	-		DBC
7.828	BB	6373.09912	7.20499e-3	45.91812		DCBP
Totals :				1533.52714		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   7
Sample Name     : A1221 x200 ICAL                Location : Vial 7
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

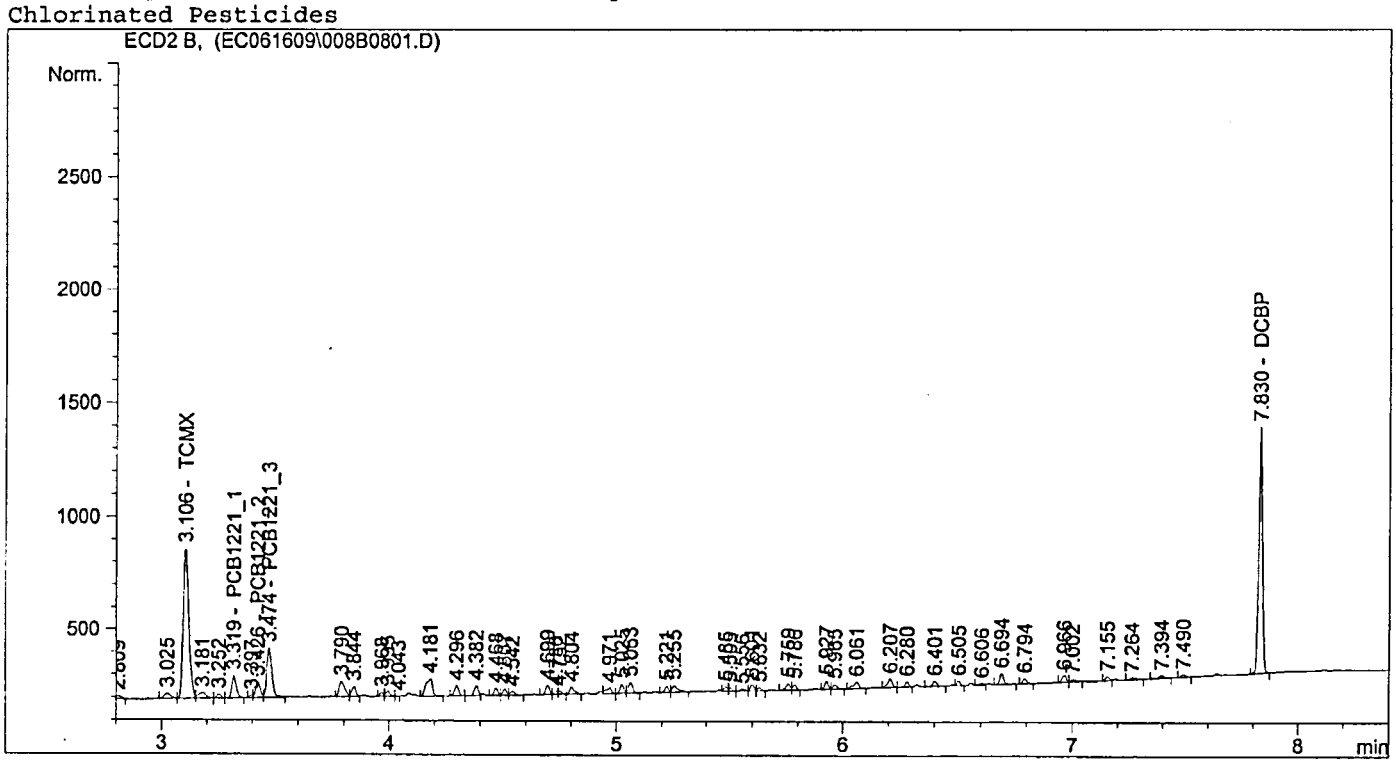
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2397.96655	8.34823e-3	20.01878		TCMX
3.319	BB	275.84152	7.50762e-1	207.09131		PCB1221_1
3.426	VV	187.95406	1.09628	206.05115		PCB1221_2
3.474	VB	654.39117	3.13155e-1	204.92564		PCB1221_3
6.890		-	-	-		DBC
7.832	BB	2483.32471	8.19260e-3	20.34488		DCBP
Totals :				658.43176		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:10:48 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

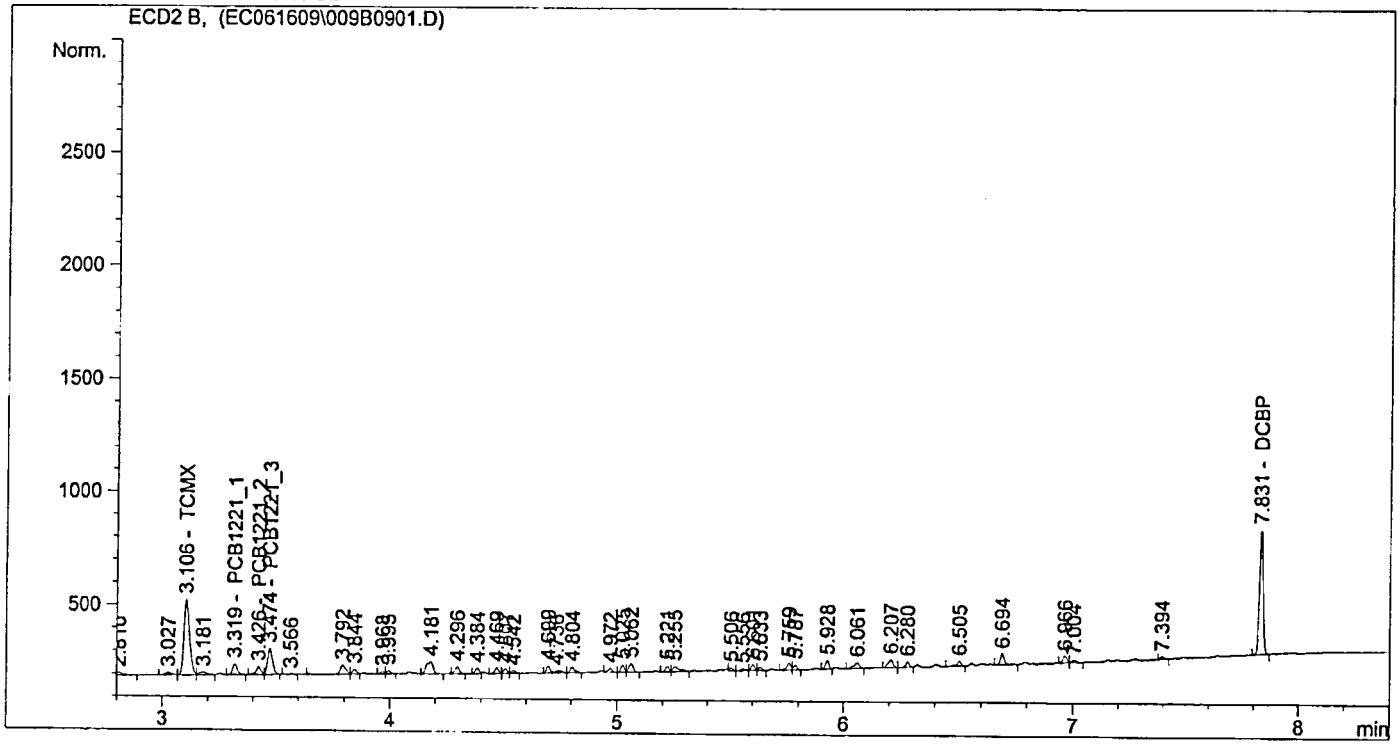
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1131.83484	1.03042e-2	11.66266		TCMX
3.319	VB	134.81822	8.06520e-1	108.73355		PCB1221_1
3.426	VV	93.75131	1.08858	102.05553		PCB1221_2
3.474	VB	334.08362	3.34162e-1	111.63808		PCB1221_3
6.890		-	-	-		DBC
7.830	BB	1227.84082	9.84715e-3	12.09073		DCBP
Totals :				346.18055		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:23:47 PM          Seq. Line :   9
Sample Name     : A1221 x40 ICAL                 Location : Vial 9
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	558.09558	1.41125e-2	7.87614		TCMX
3.319	VB	68.25873	9.12867e-1	62.31113		PCB1221_1
3.426	BV	54.14932	1.07733	58.33671		PCB1221_2
3.474	VB	171.69986	3.74752e-1	64.34483		PCB1221_3
6.890		-	-	-		DBC
7.831	BB	623.81079	1.30160e-2	8.11955		DCBP
Totals :				200.98835		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

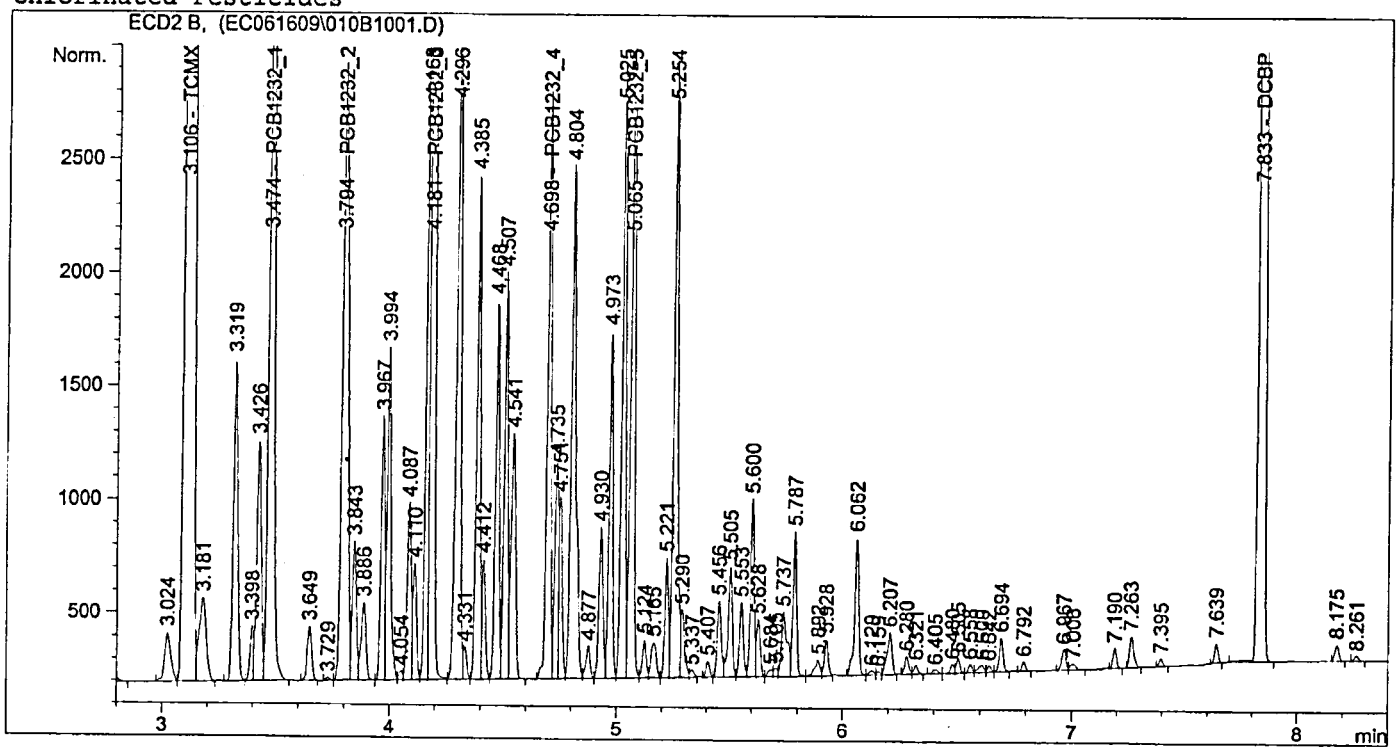
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

==========

Injection Date : 6/16/2009 4:36:37 PM Seq. Line : 10
Sample Name : A1232 x2000 ICAL Location : Vial 10
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed : 6/17/2009 10:21:24 AM by BWS
(modified after loading)

Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:21:22 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.07829e4	6.60592e-3	203.34925		TCMX
3.474	VB	5829.13086	3.47485e-1	2025.53436		PCB1232_1
3.794	VV	4788.60791	4.23154e-1	2026.31672		PCB1232_2
4.181	VV	7059.39648	2.64861e-1	1869.75795		PCB1232_3
4.698	PV	2918.44727	6.95111e-1	2028.64335		PCB1232_4
5.065	VV	3467.22461	5.85284e-1	2029.31203		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	3.08501e4	6.61224e-3	203.98829		DCBP

Totals : 1.03869e4

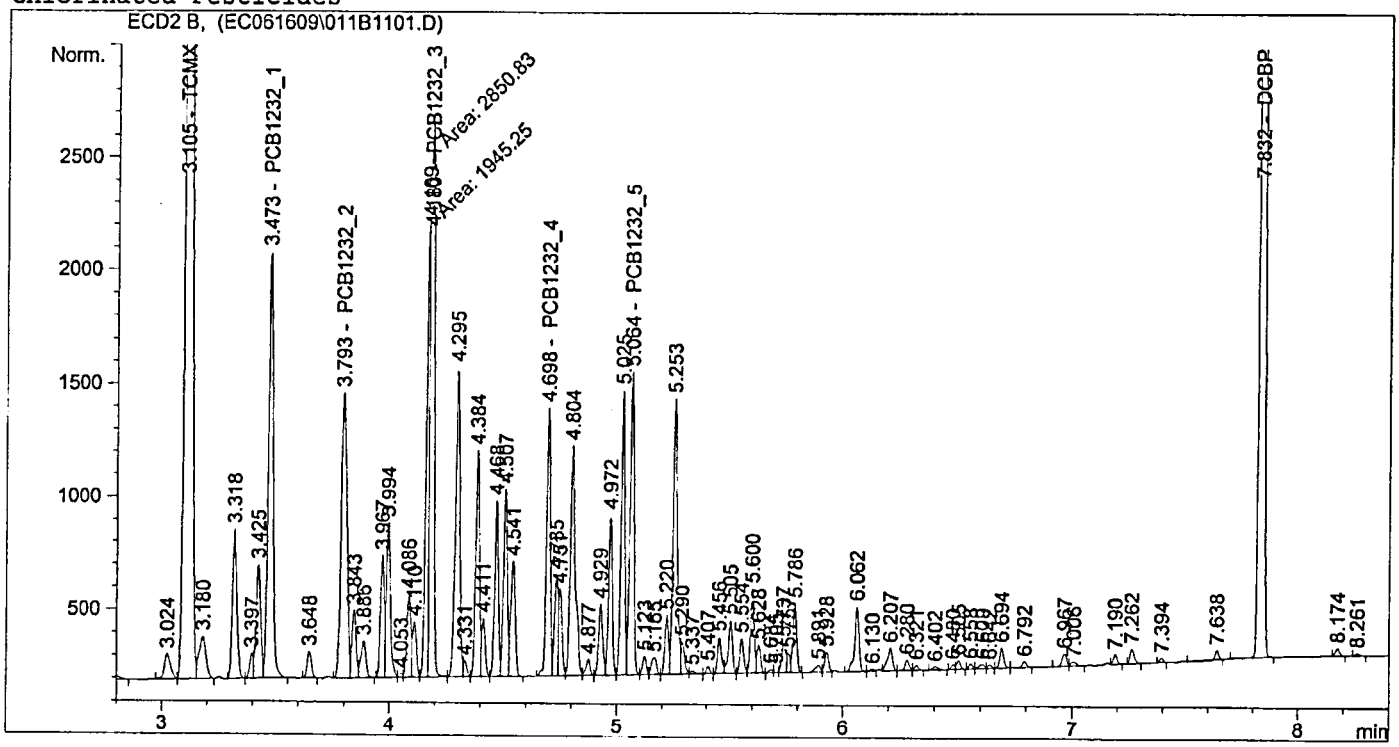
BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Data File C:\HPCHEM\1\DATA\EC061609\011B1101.D

```
==================================================================
Injection Date  : 6/16/2009 4:49:25 PM          Seq. Line :  11
Sample Name     : A1232 x1000 ICAL               Location : Vial 11
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:22:06 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:22:04 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

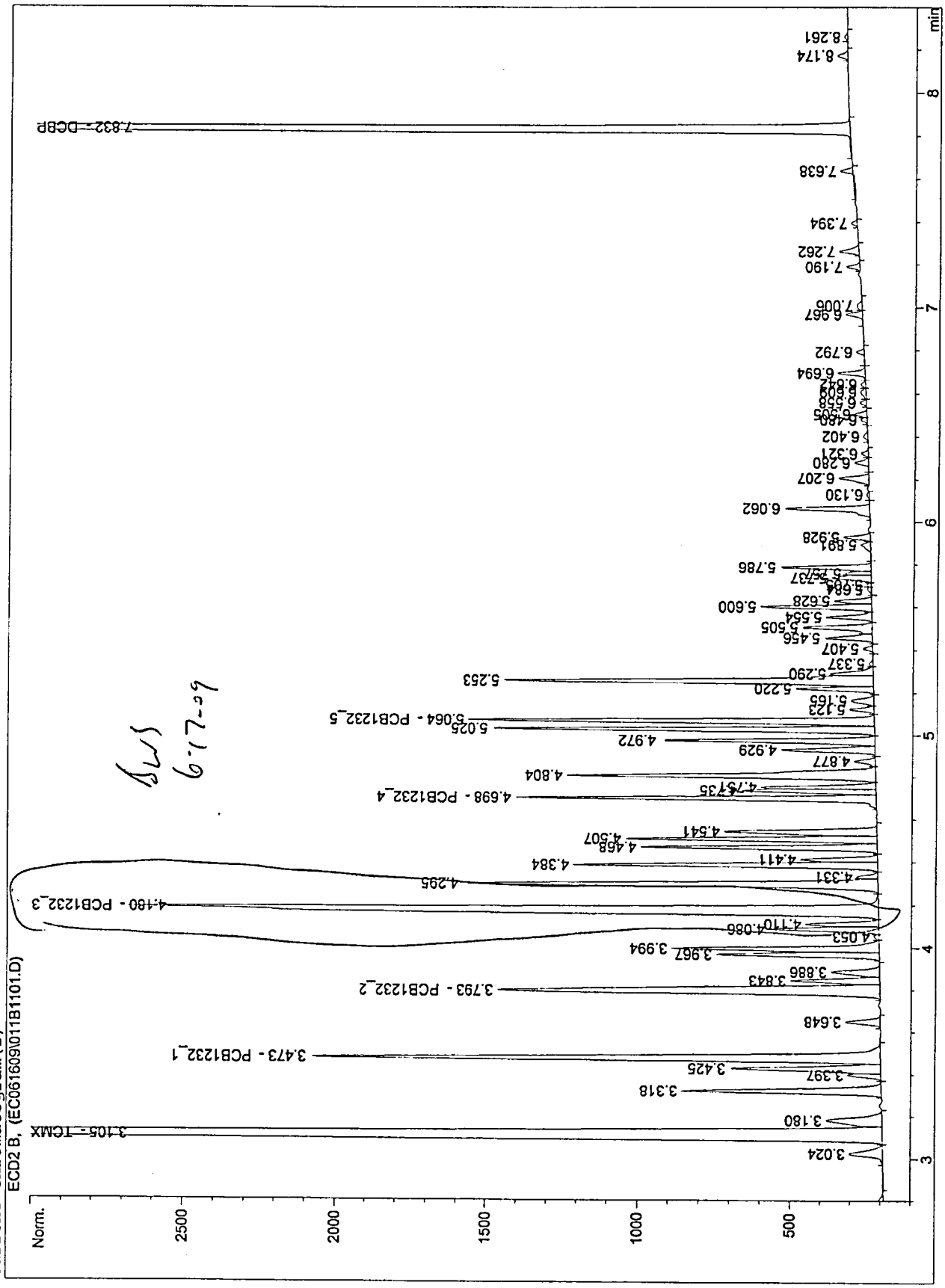
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	1.38047e4	6.81644e-3	94.09862		TCMX
3.473	VB	2691.67798	3.52963e-1	950.06210		PCB1232_1
3.793	VV	2218.20874	4.27105e-1	947.40858		PCB1232_2
4.180	FM	2850.83032	2.82281e-1	804.73630		PCB1232_3
4.698	PV	1341.82825	7.04198e-1	944.91323		PCB1232_4
5.064	VV	1594.22424	5.92052e-1	943.86407		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	1.36127e4	6.81968e-3	92.83438		DCBP
Totals :				4777.91728		

BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:22:06 AM BWS

Current Chromatogram(s)
ECD2 B, (EC061609\011B1101.D)

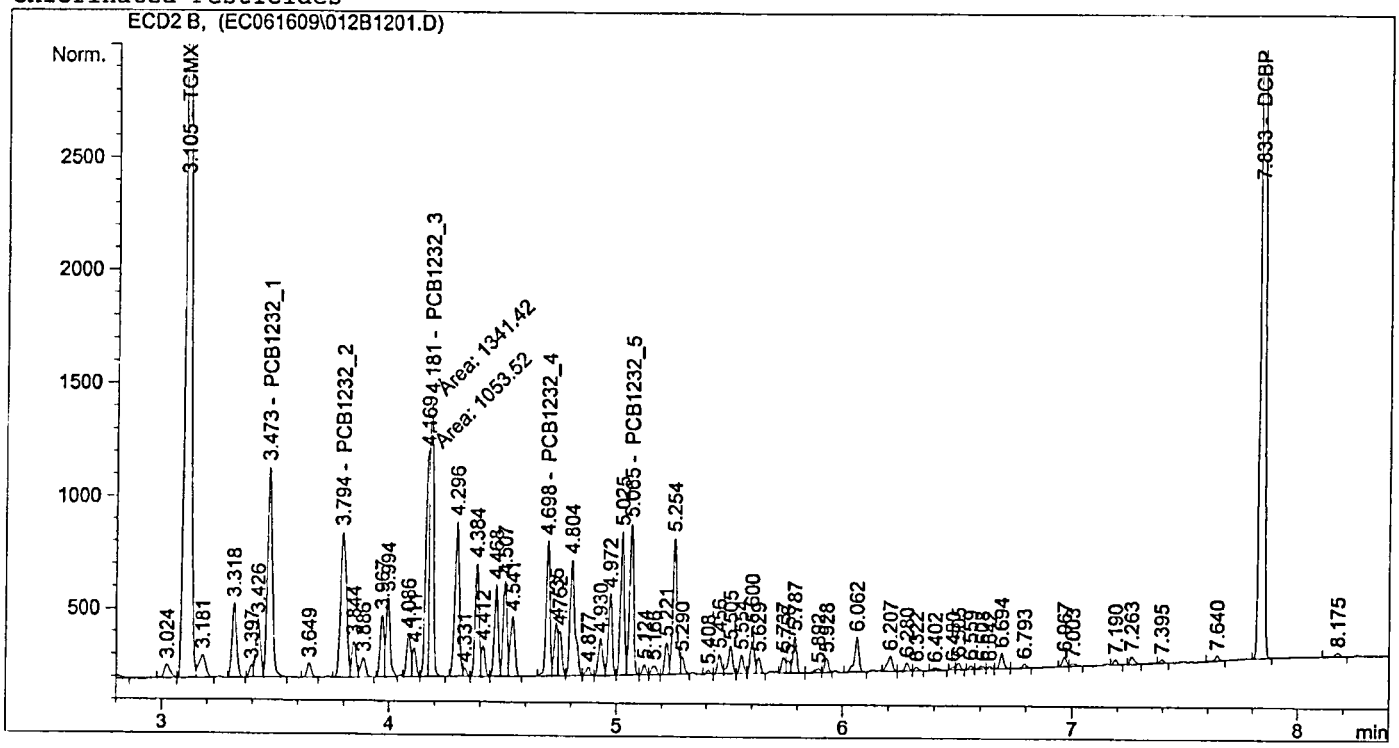


6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\012B1201.D

```
==================================================================
Injection Date  : 6/16/2009 5:02:18 PM          Seq. Line :  12
Sample Name     : A1232 x500 ICAL                Location : Vial 12
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:22:55 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:22:52 AM
Multiplier             :      1.0000
Dilution               :      1.0000

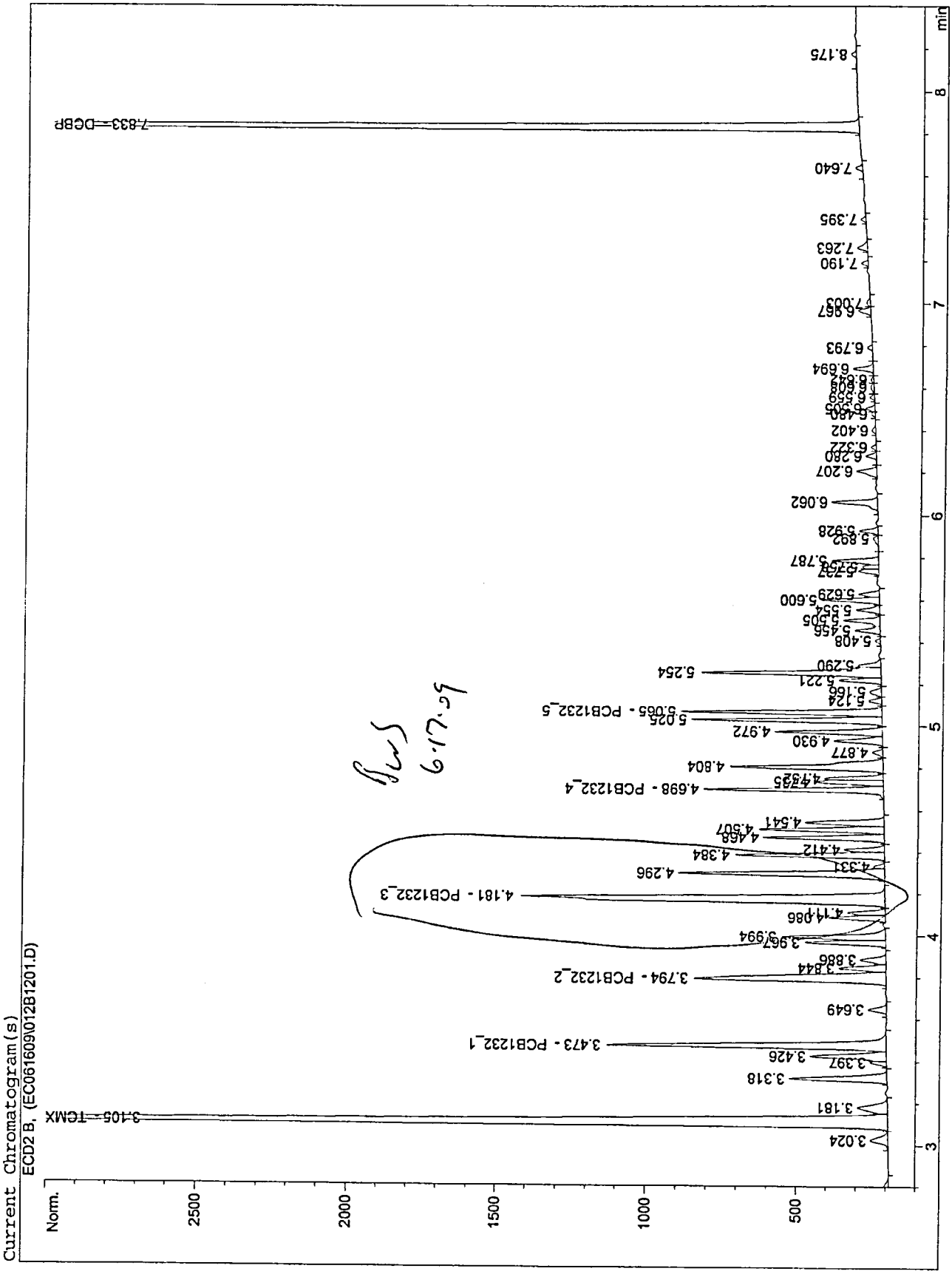
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	6693.57910	7.22193e-3	48.34053		TCMX
3.473	VB	1370.64856	3.62772e-1	497.23283		PCB1232_1
3.794	VV	1150.08057	4.33942e-1	499.06881		PCB1232_2
4.181	FM	1341.41992	3.06857e-1	411.62403		PCB1232_3
4.698	BV	687.42407	7.20213e-1	495.09149		PCB1232_4
5.065	VV	817.45380	6.03957e-1	493.70725		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	6673.33350	7.20574e-3	48.08628		DCBP
Totals :				2493.15122		

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

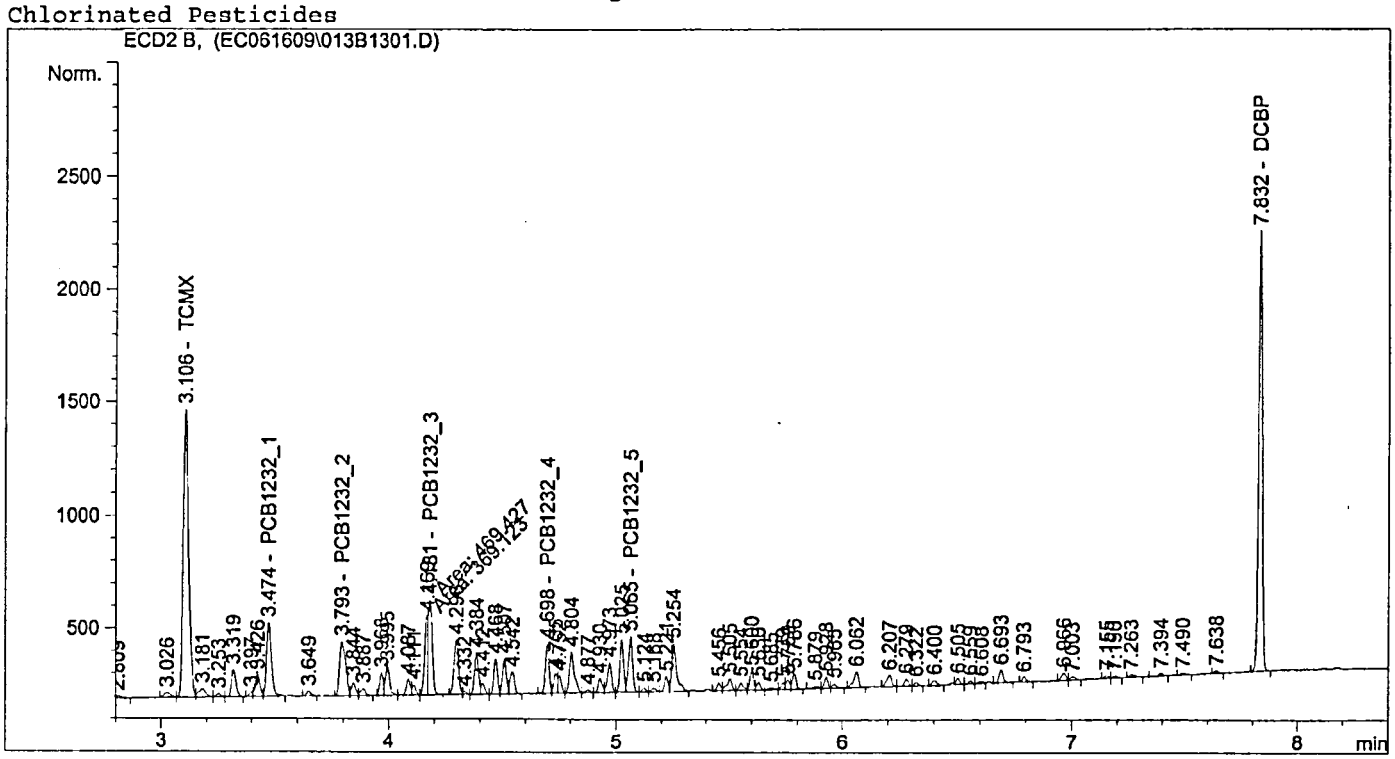
ECD2 6/17/2009 10:22:55 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\012B1201.D)
Nom.
2500
2000
1500
1000
500
3.024
3.105 - TCMX
3.181
3.318
3.397
3.426
3.473 - PCB1232_1
3.649
3.794 - PCB1232_2
3.844
3.866
3.967
3.994
4.086
4.181 - PCB1232_3
4.296
4.331
4.384
4.412
4.468
4.507
4.541
4.698 - PCB1232_4
4.735
4.752
4.804
4.877
4.930
4.972
5.025
5.065 - PCB1232_5
5.124
5.166
5.221
5.254
5.290
5.408
5.455
5.505
5.554
5.600
5.629
5.787
5.892
5.928
6.062
6.207
6.280
6.322
6.402
6.480
6.505
6.559
6.608
6.649
6.694
6.793
6.957
7.003
7.190
7.263
7.395
7.640
7.833 - DCBP
8.175
min
3
4
5
6
7
8

Data File C:\HPCHEM\1\DATA\EC061609\013B1301.D

```
==================================================================
Injection Date  : 6/16/2009 5:15:06 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:23:32 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:23:30 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

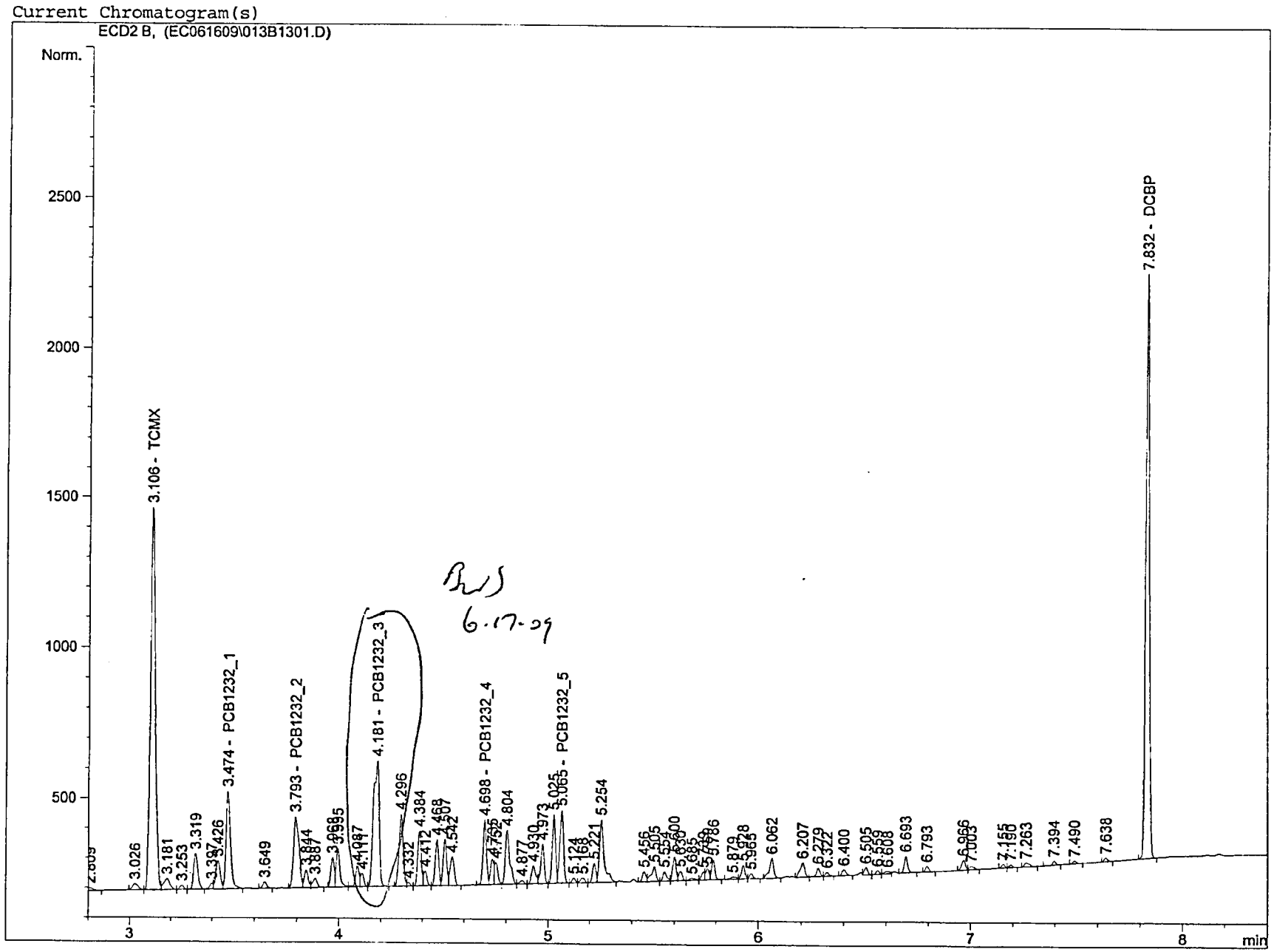
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2110.25537	8.93160e-3	18.84795		TCMX
3.474	VB	486.65030	3.99078e-1	194.21135		PCB1232_1
3.793	BV	427.34033	4.57957e-1	195.70335		PCB1232_2
4.181	FM	469.42694	3.87568e-1	181.93497		PCB1232_3
4.698	PV	247.69260	7.78508e-1	192.83062		PCB1232_4
5.065	VB	301.99167	6.45663e-1	194.98477		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	2197.49219	8.74824e-3	19.22420		DCBP
Totals :				997.73721		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :
```

ECD2 6/17/2009 10:23:32 AM BWS

Print of window 38: Current Chromatogram(s)

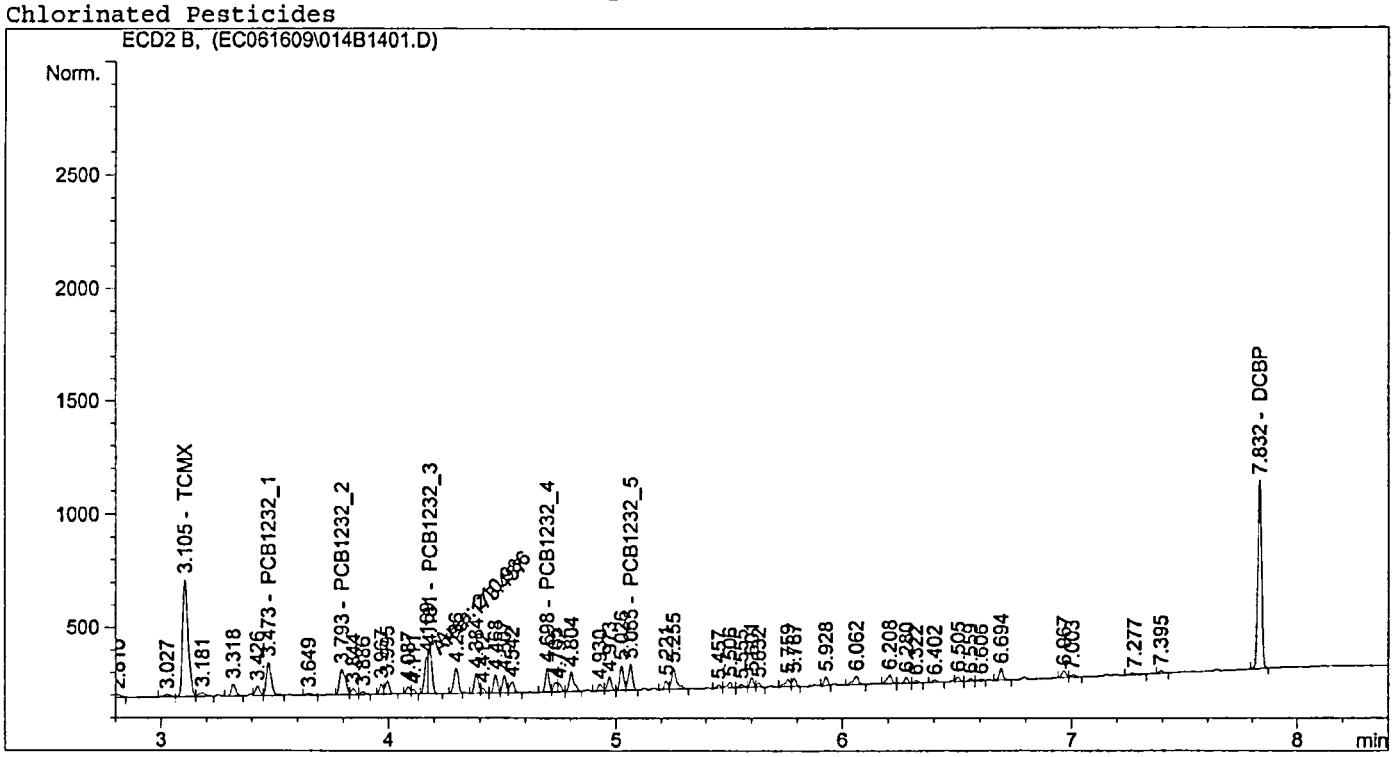


ECD2 6/17/2009 10:23:10 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\014B1401.D

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  14
Sample Name     : A1232 x100 ICAL                Location : Vial 14
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:24:15 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 10:24:13 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	860.78107	1.25559e-2	10.80789		TCMX
3.473	VB	216.28876	4.69444e-1	101.53543		PCB1232_1
3.793	BV	200.24164	5.01295e-1	100.38017		PCB1232_2
4.181	FM	210.98586	5.72392e-1	120.76666		PCB1232_3
4.698	BV	116.21473	8.81608e-1	102.45588		PCB1232_4
5.065	VV	142.00189	7.20180e-1	102.26692		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	938.60114	1.18329e-2	11.10635		DCBP

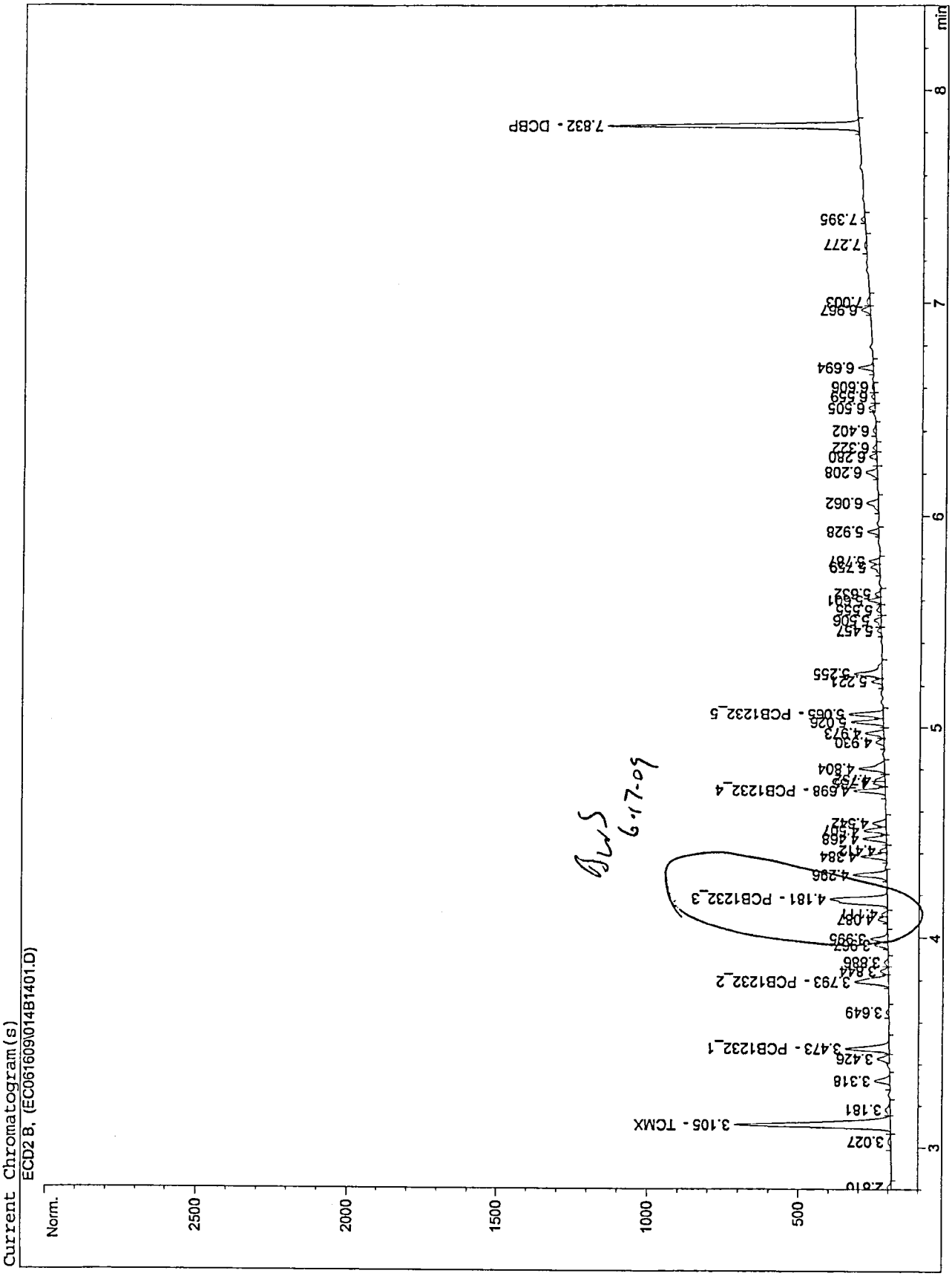
BWS
6-17-09

Totals : 549.31928

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:24:15 AM BWS

Current Chromatogram(s)
ECD2 B, (EC061609\014B1401.D)

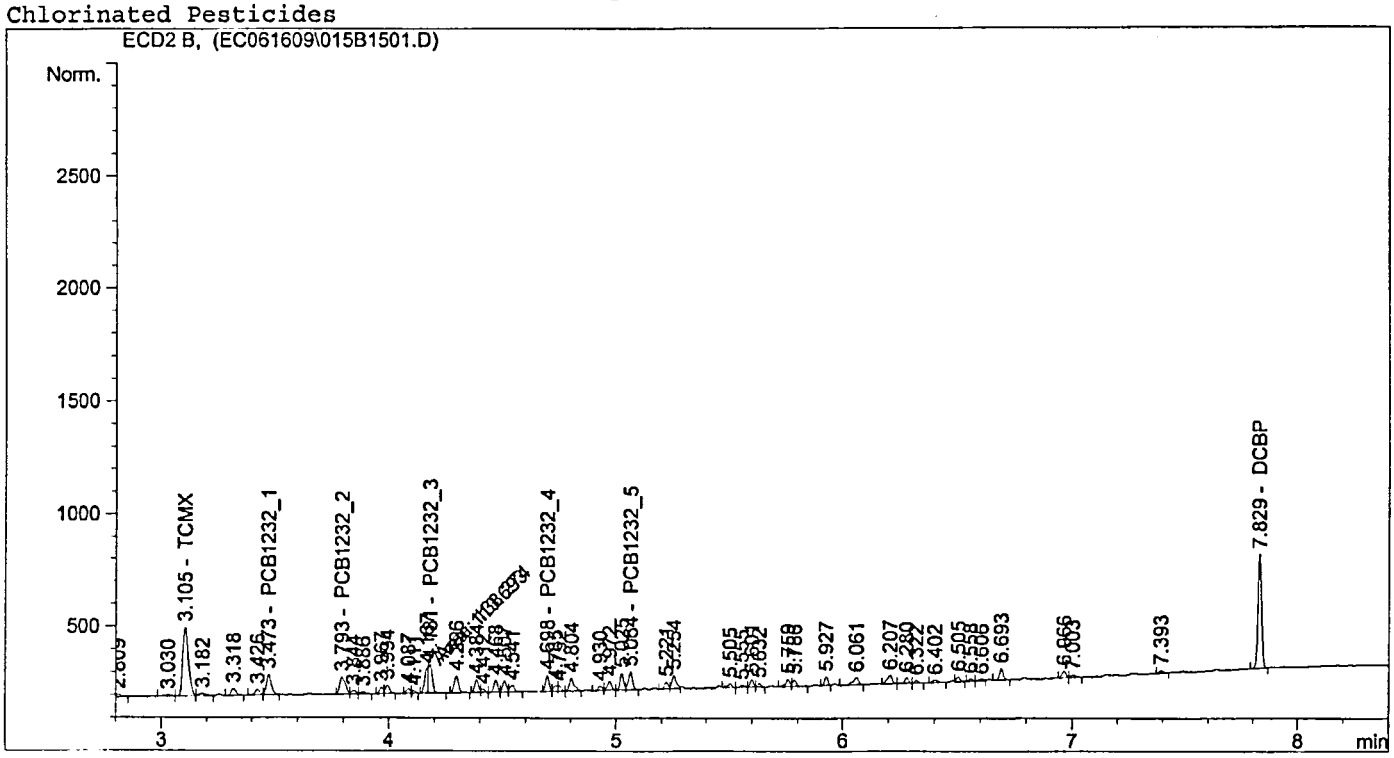


BWS 6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\015B1501.D

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  15
Sample Name     : A1232 x40 ICAL                 Location : Vial 15
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:25:01 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	510.78622	1.67502e-2	8.55576		TCMX
3.473	VB	128.44514	5.56066e-1	71.42394		PCB1232_1
3.793	BV	130.53764	5.44842e-1	71.12238		PCB1232_2
4.181	FM	138.27422	7.88967e-1	109.09385		PCB1232_3
4.698	BV	77.82170	9.77432e-1	76.06543		PCB1232_4
5.064	VV	96.44386	7.86623e-1	75.86496		PCB1232_5
6.889		-	-	-		DBC
7.829	BB	574.81494	1.52406e-2	8.76050		DCBP

BWS
6-17-09

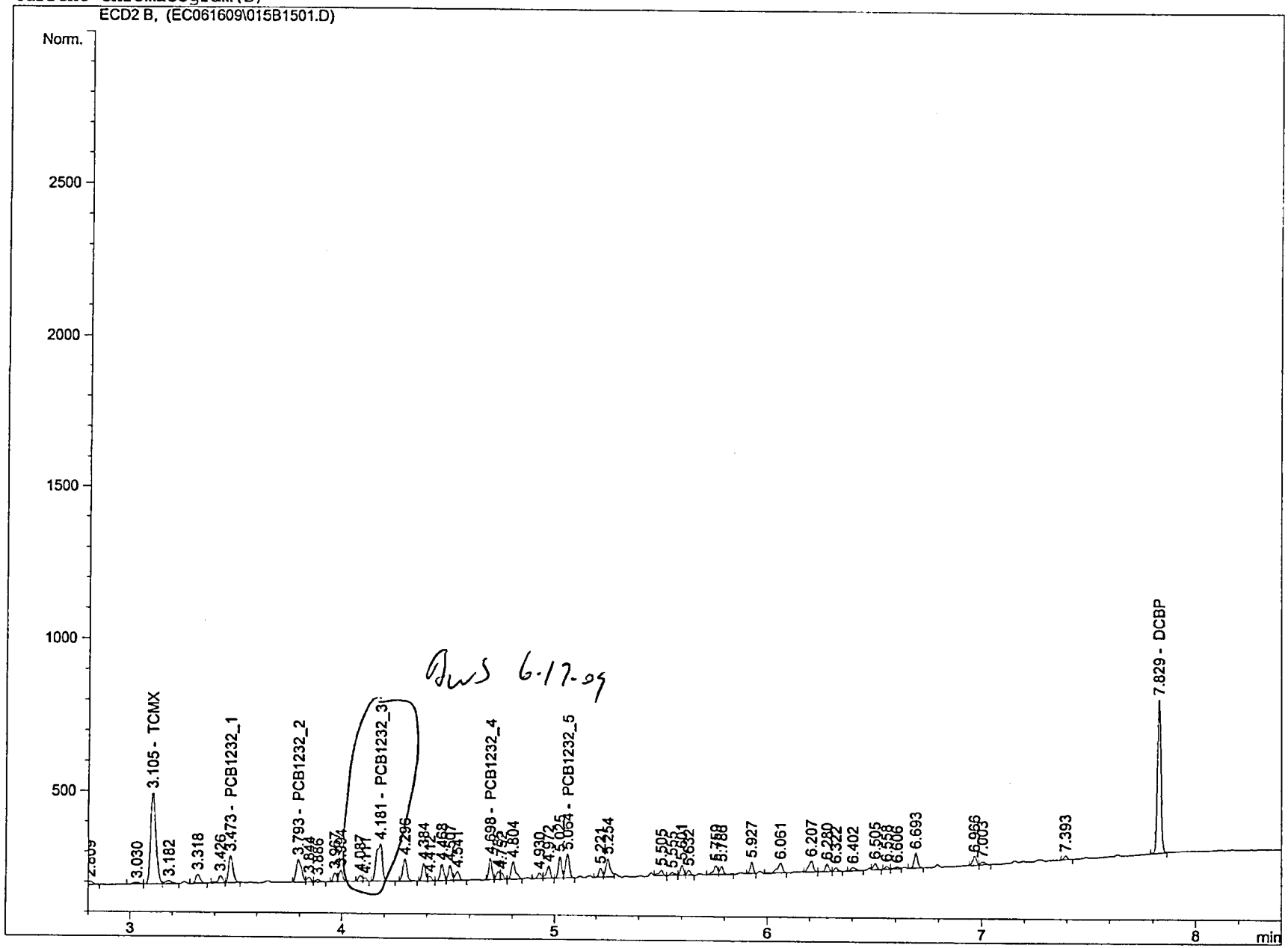
Totals : 420.88682

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:25:01 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

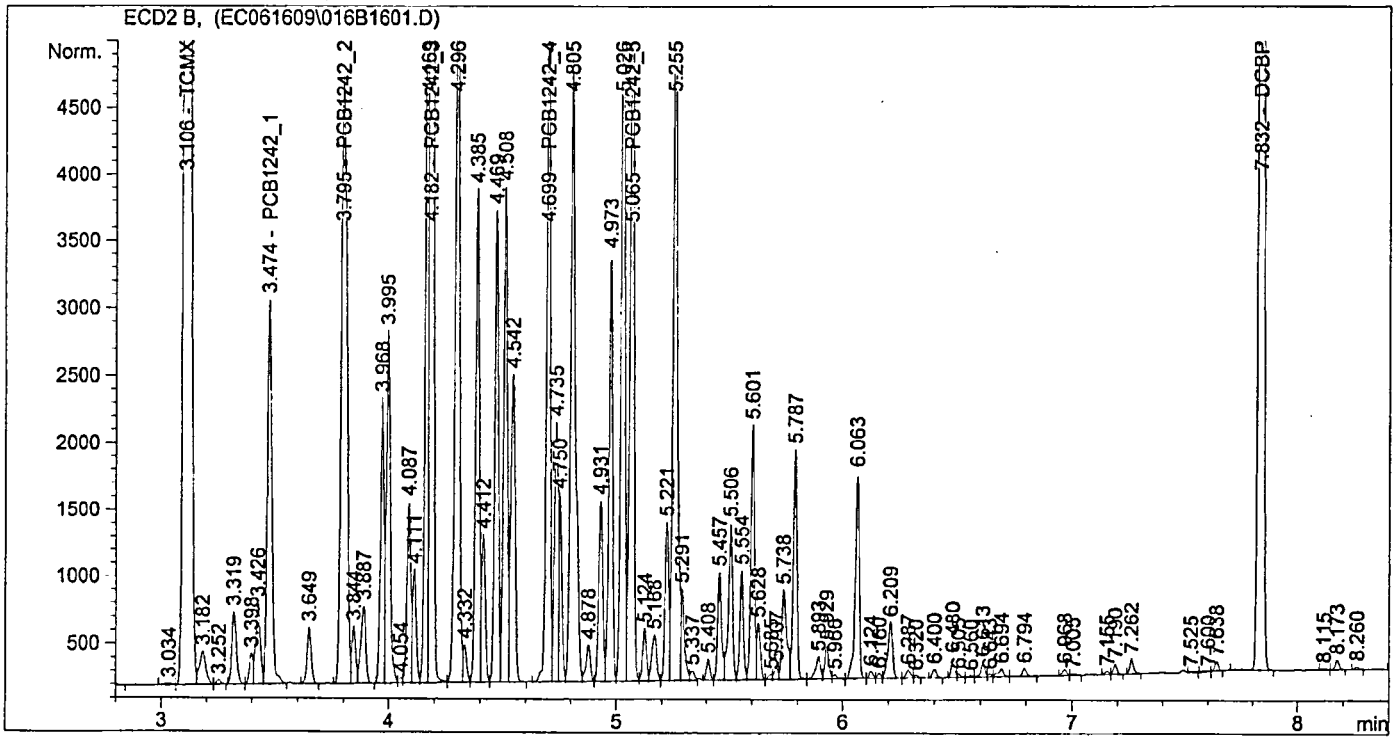


ECD2 6/17/2009 10:24:40 AM BWS

==========

Injection Date : 6/16/2009 5:53:50 PM Seq. Line : 16
Sample Name : A1242 x2000 ICAL Location : Vial 16
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2.92767e4	6.85742e-3	200.76221		TCMX
3.474	VV	3962.70728	5.03467e-1	1995.09090		PCB1242_1
3.795	VV	7946.29199	2.51169e-1	1995.86526		PCB1242_2
4.182	VV	1.24689e4	1.59461e-1	1988.29808		PCB1242_3
4.699	VV	5915.20605	3.38749e-1	2003.76734		PCB1242_4
5.065	VV	7151.57080	2.80370e-1	2005.08372		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2.90941e4	6.91610e-3	201.21788		DCBP

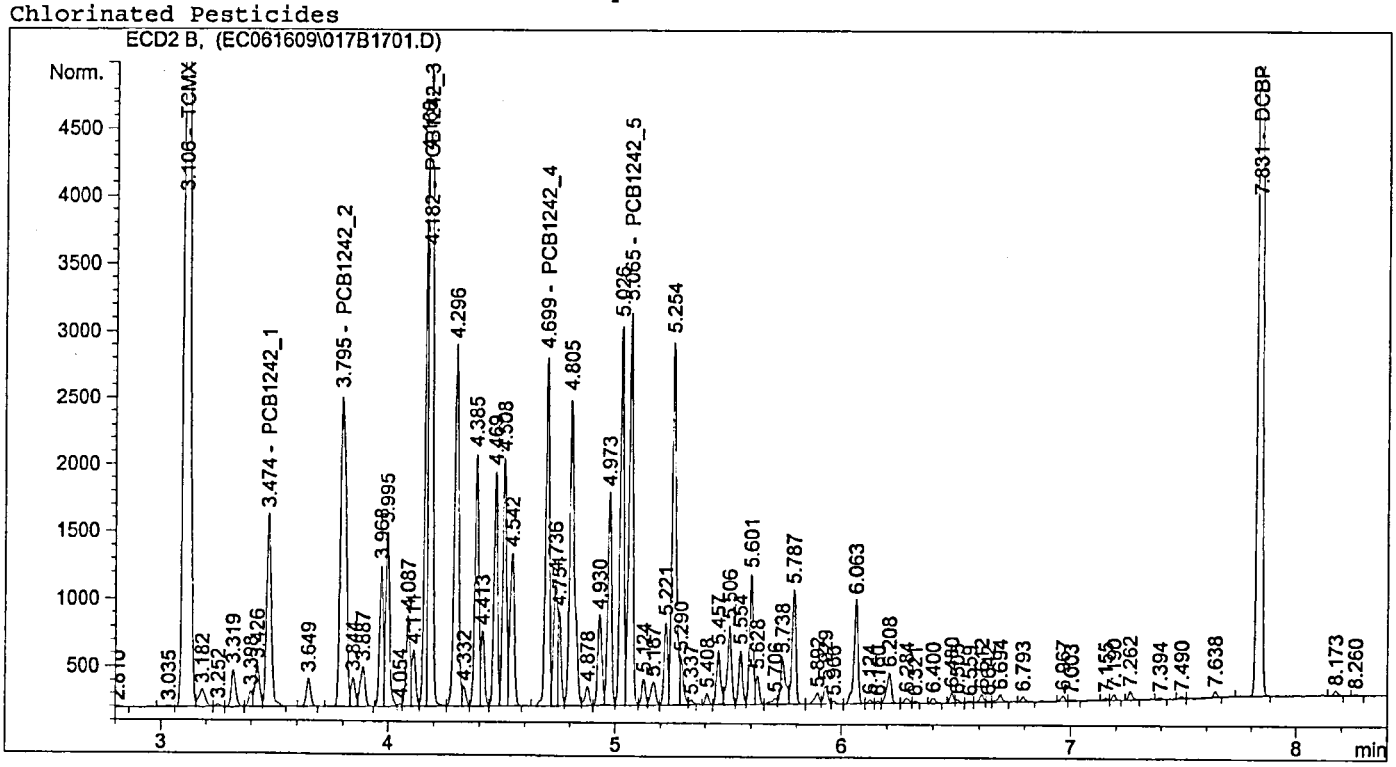
Totals : 1.03901e4

BWS
6·17·09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:06:49 PM          Seq. Line :  17
Sample Name     : A1242 x1000 ICAL               Location : Vial 17
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

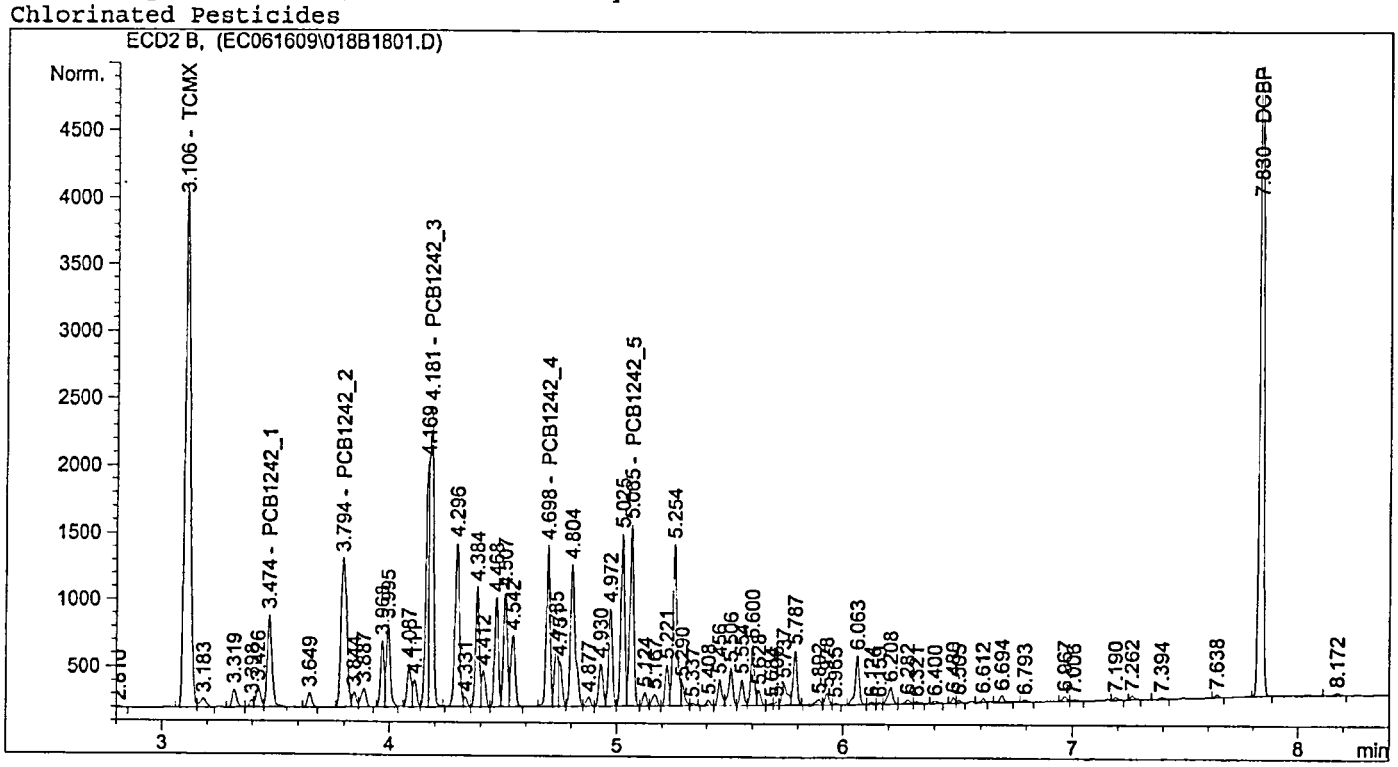
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.43929e4	6.97046e-3	100.32491		TCMX
3.474	VV	2033.83032	5.02091e-1	1021.16886		PCB1242_1
3.795	BV	4071.44067	2.50321e-1	1019.16534		PCB1242_2
4.182	VV	6488.69141	1.60779e-1	1043.24213		PCB1242_3
4.699	VV	2958.26978	3.40681e-1	1007.82652		PCB1242_4
5.065	VV	3563.59204	2.82173e-1	1005.54971		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	1.41855e4	7.01620e-3	99.52838		DCBP
Totals :				5296.80584		

BWS
6·17·09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 6:19:35 PM          Seq. Line :  18
Sample Name     : A1242 x500 ICAL                Location : Vial 18
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

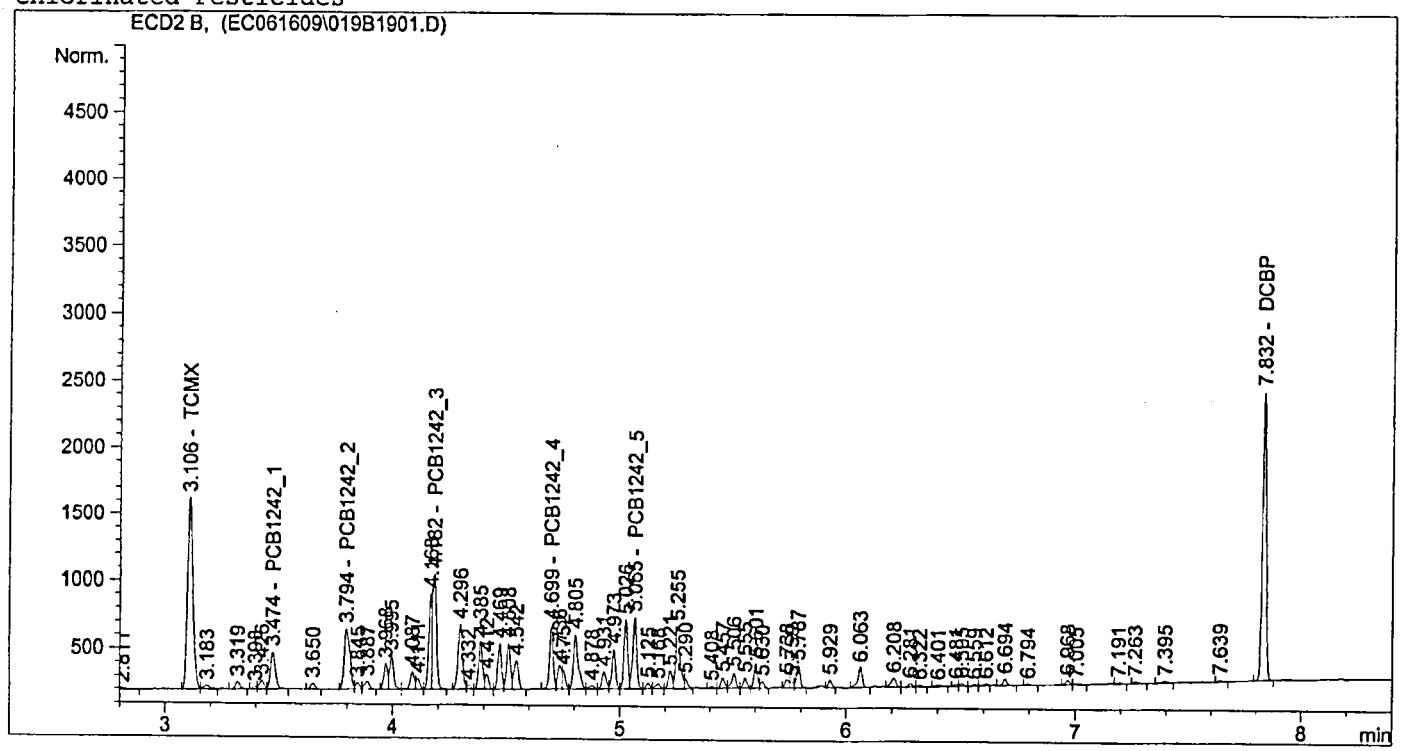
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6394.96143	7.24856e-3	46.35427		TCMX
3.474	VB	960.01599	4.98931e-1	478.98215		PCB1242_1
3.794	BV	1938.76562	2.48406e-1	481.60057		PCB1242_2
4.181	VB	2829.96143	1.64330e-1	465.04890		PCB1242_3
4.698	BV	1360.82581	3.45219e-1	469.78325		PCB1242_4
5.065	VV	1634.49902	2.86415e-1	468.14573		PCB1242_5
6.888		-	-	-		DBC
7.830	BB	6329.30811	7.25866e-3	45.94230		DCBP
Totals :				2455.85717		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 6:32:31 PM          Seq. Line :  19
Sample Name     : A1242 x200 ICAL                Location : Vial 19
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

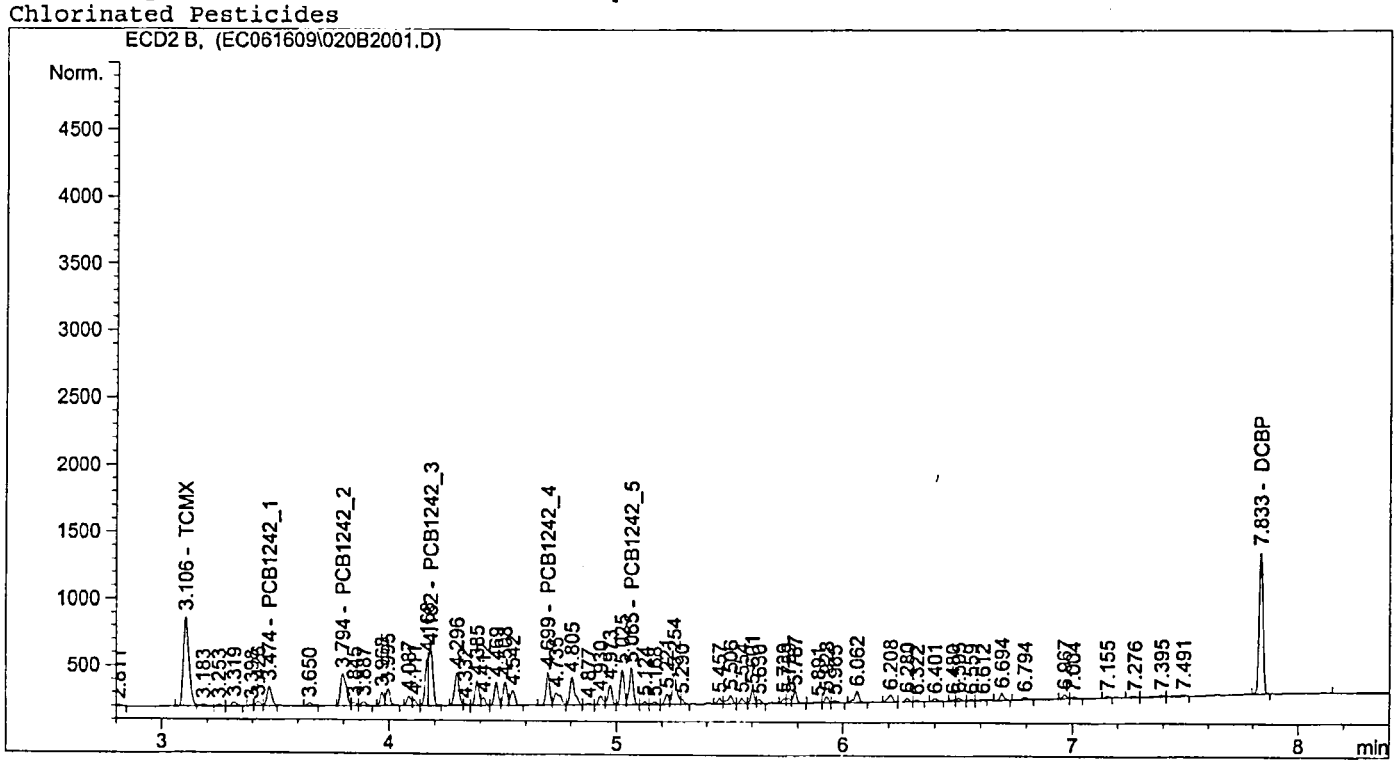
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	2328.82739	8.12237e-3	18.91559		TCMX
3.474	VB	395.39301	4.90385e-1	193.89462		PCB1242_1
3.794	BV	780.13617	2.42977e-1	189.55496		PCB1242_2
4.182	VB	1045.23547	1.75087e-1	183.00664		PCB1242_3
4.699	BV	536.12469	3.58147e-1	192.01145		PCB1242_4
5.065	VV	648.73181	2.98324e-1	193.53211		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2407.47168	7.97184e-3	19.19199		DCBP
Totals :				990.10736		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 6:45:23 PM          Seq. Line :  20
Sample Name     : A1242 x100 ICAL                Location : Vial 20
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1118.03540	9.61065e-3	10.74505		TCMX
3.474	VV	207.61044	4.77240e-1	99.08008		PCB1242_1
3.794	BV	414.28751	2.34954e-1	97.33869		PCB1242_2
4.182	VB	543.15674	1.90852e-1	103.66257		PCB1242_3
4.699	VV	276.82047	3.78129e-1	104.67387		PCB1242_4
5.065	VV	336.67703	3.16625e-1	106.60033		PCB1242_5
6.888		-	-	-		DBC
7.833	BB	1210.19702	9.11054e-3	11.02554		DCBP

BWS
6.17.09

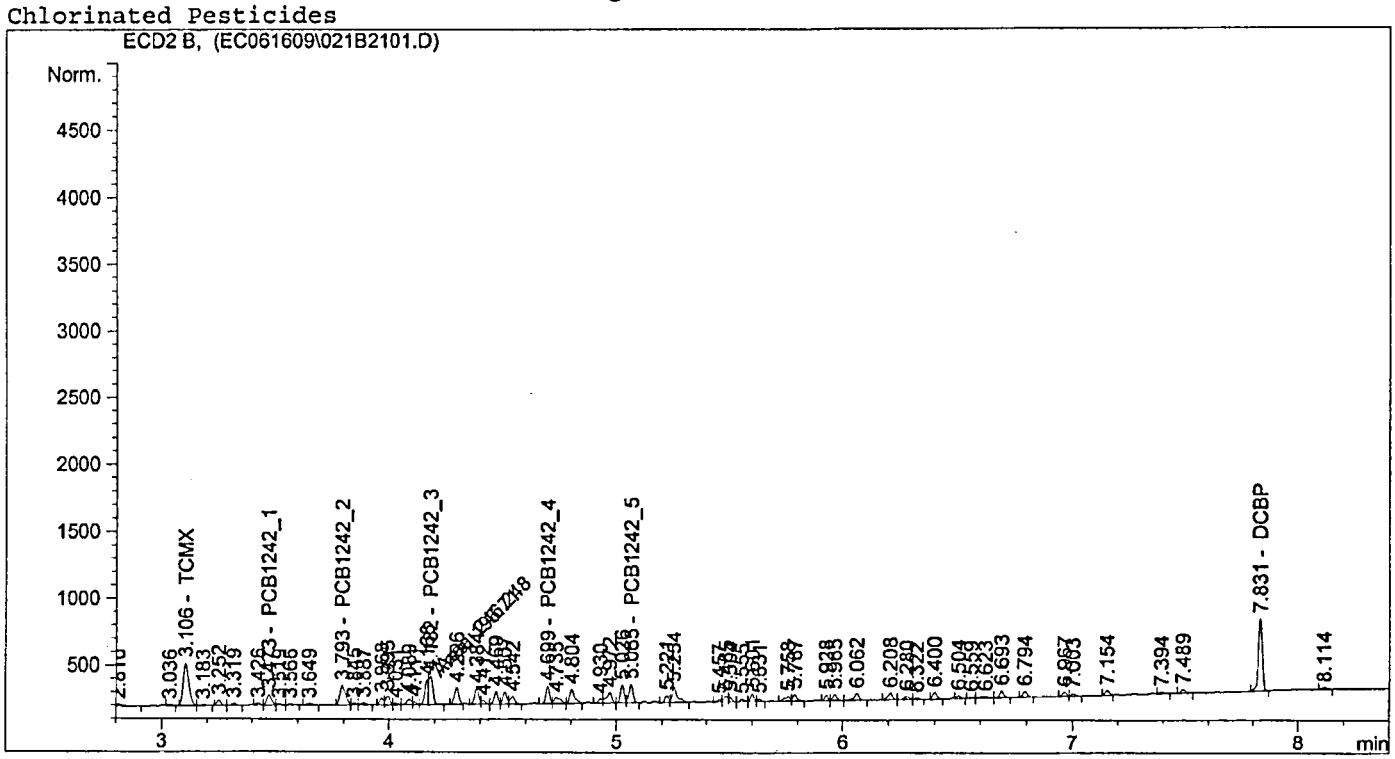
Totals : 533.12613

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:58:15 PM          Seq. Line :  21
Sample Name     : A1242 x40 ICAL                 Location : Vial 21
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	547.93732	1.25890e-2	6.89797		TCMX
3.473	VV	113.93815	4.54487e-1	51.78338		PCB1242_1
3.793	BV	252.17020	2.23957e-1	56.47519		PCB1242_2
4.182	FM	246.24762	2.30425e-1	56.74168		PCB1242_3
4.699	VV	149.93695	4.13091e-1	61.93758		PCB1242_4
5.065	VB	173.30504	3.52491e-1	61.08840		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	633.78406	1.11929e-2	7.09391		DCBP

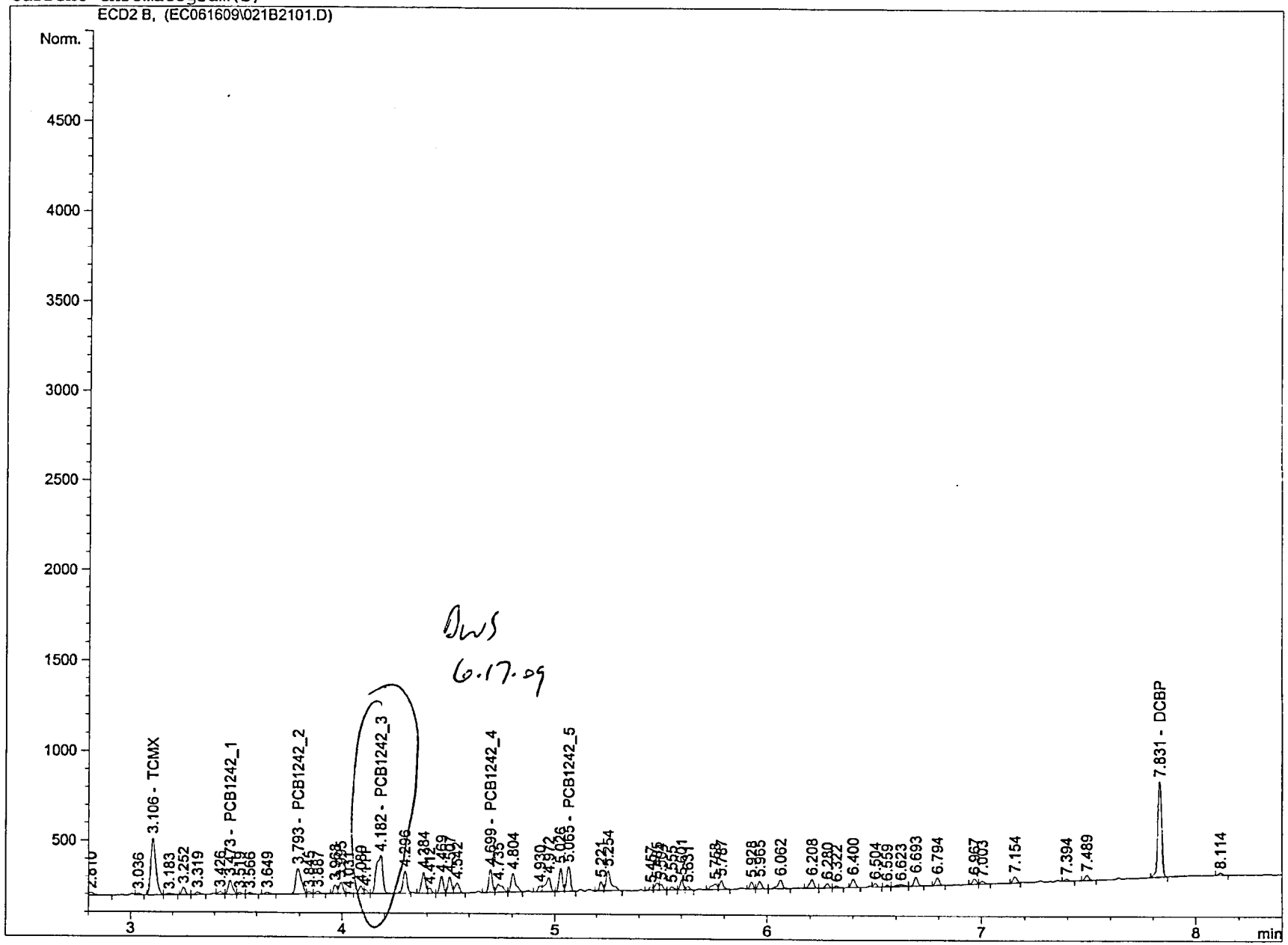
BWS
6.17.09

Totals : 302.01812

Results obtained with enhanced integrator!
1 Warnings or Errors :

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

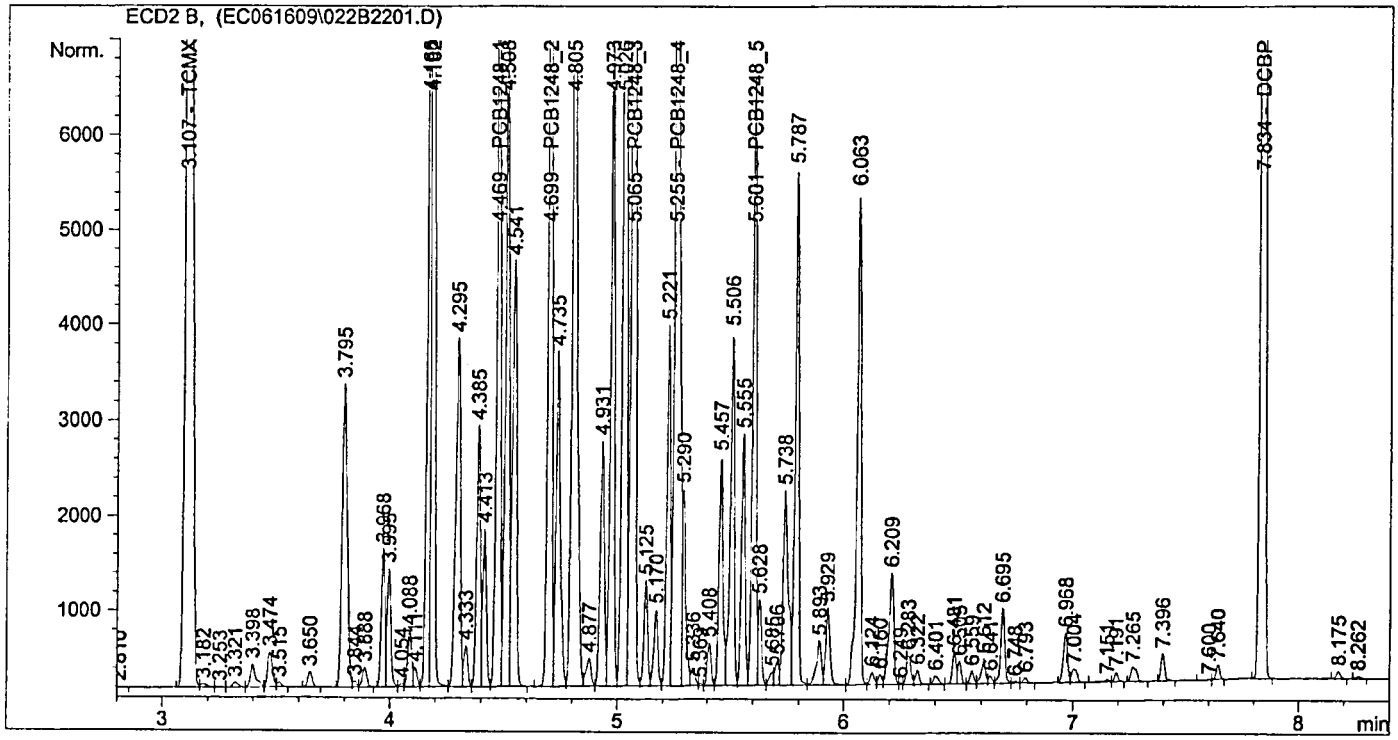


ECD2 6/17/2009 9:14:19 AM BWS

==========

Injection Date : 6/16/2009 7:11:15 PM Seq. Line : 22
Sample Name : A1248 x2000 ICAL Location : Vial 22
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	3.08251e4	6.58618e-3	203.01976		TCMX
4.469	VV	8806.67773	2.29913e-1	2024.77376		PCB1248_1
4.699	VV	1.18361e4	1.71744e-1	2032.77617		PCB1248_2
5.065	VV	1.71860e4	1.17833e-1	2025.08547		PCB1248_3
5.255	VV	1.71760e4	1.18112e-1	2028.69103		PCB1248_4
5.601	VV	7110.13770	2.85328e-1	2028.71889		PCB1248_5
6.887		-	-	-		DBC
7.834	VP	3.05506e4	6.65094e-3	203.19030		DCBP

Totals : 1.05463e4

BWS
6.17.09

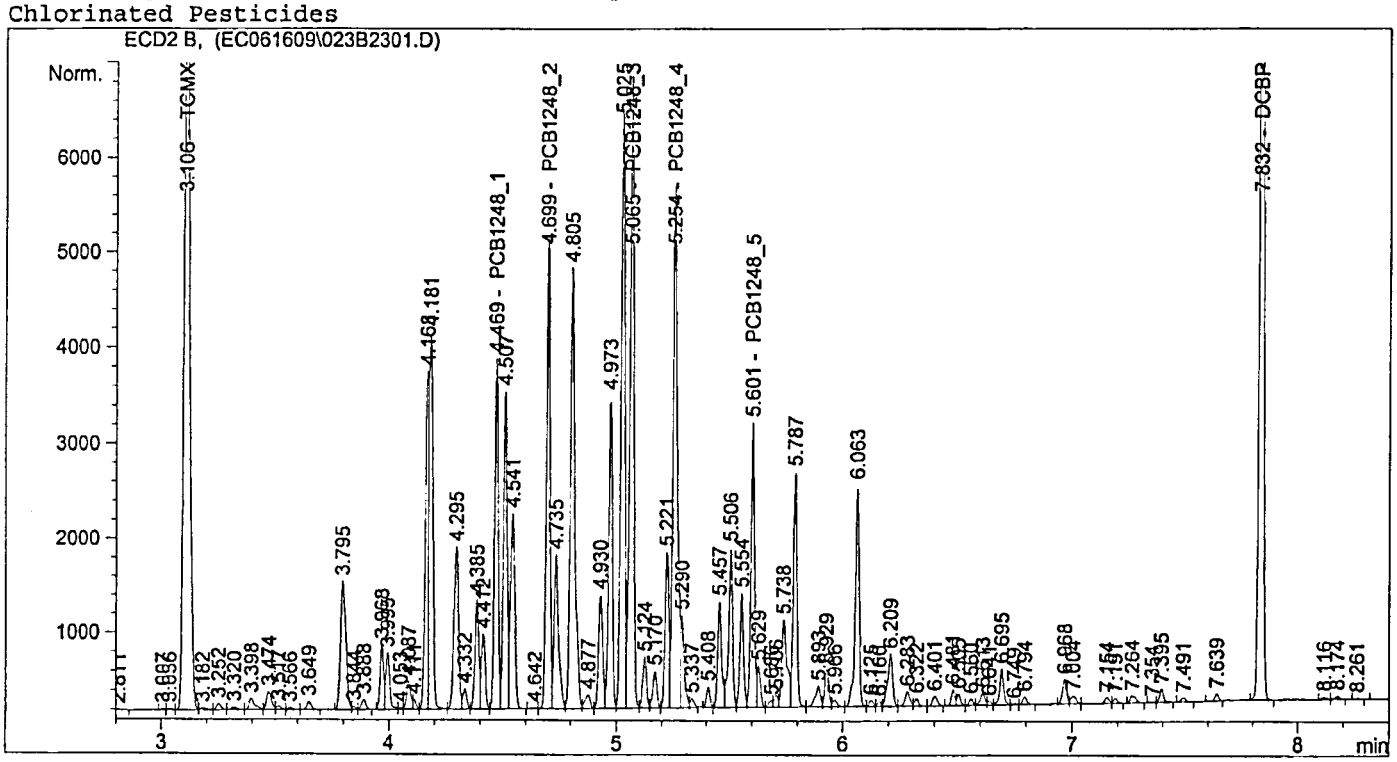
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 7:24:05 PM Seq. Line : 23
Sample Name : A1248 x1000 ICAL Location : Vial 23
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.40913e4	6.80030e-3	95.82514		TCMX
4.469	VV	4111.20459	2.34822e-1	965.40007		PCB1248_1
4.699	VV	5394.39160	1.76085e-1	949.86968		PCB1248_2
5.065	VV	7994.77148	1.20778e-1	965.59574		PCB1248_3
5.254	VV	7896.04150	1.21496e-1	959.33850		PCB1248_4
5.601	VV	3272.71558	2.93019e-1	958.96702		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	1.39587e4	6.84358e-3	95.52761		DCBP

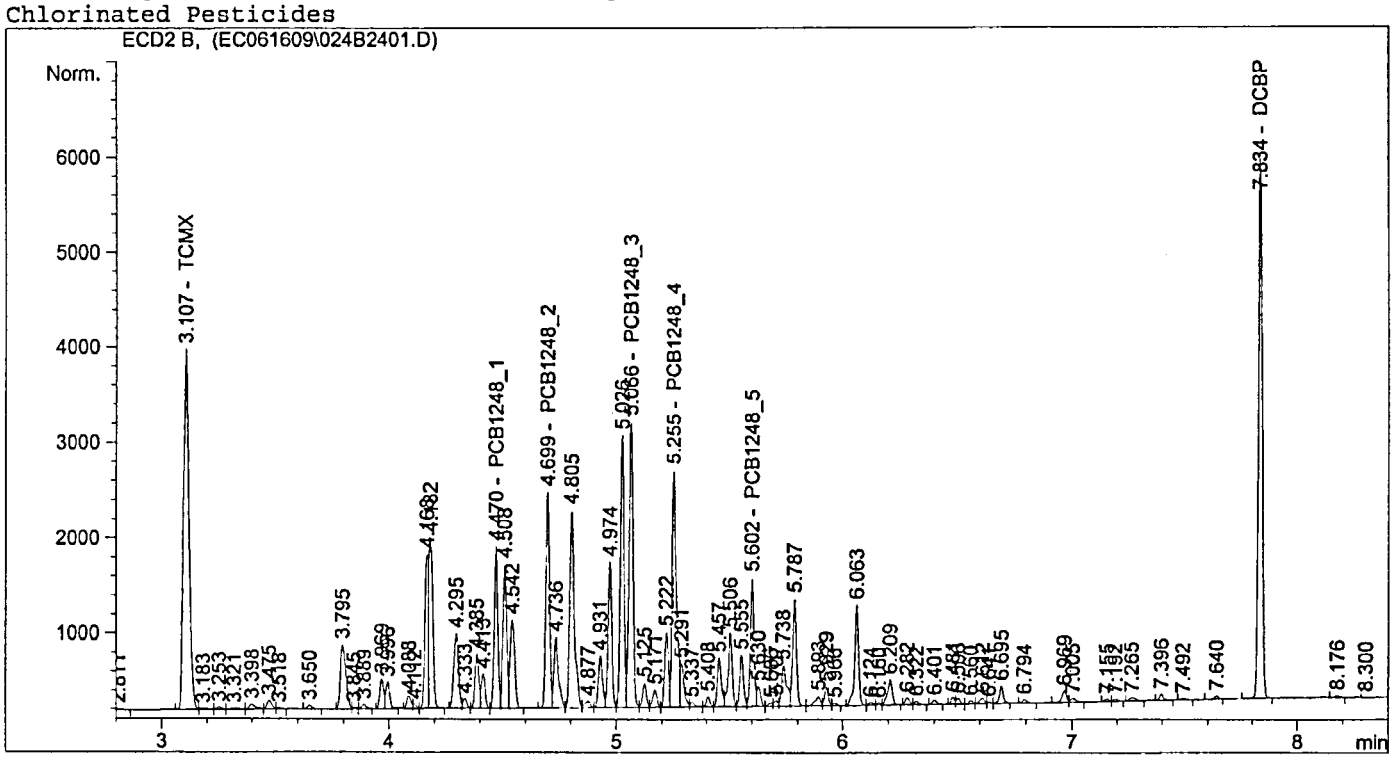
Totals : 4990.52377

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 7:37:02 PM          Seq. Line :  24
Sample Name     : A1248 x500 ICAL                Location : Vial 24
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	6300.57422	7.28801e-3	45.91865		TCMX
4.470	VV	1901.68494	2.45518e-1	466.89717		PCB1248_1
4.699	VV	2512.91968	1.85230e-1	465.46735		PCB1248_2
5.066	VV	3658.34595	1.27306e-1	465.72899		PCB1248_3
5.255	VV	3585.53442	1.29026e-1	462.62656		PCB1248_4
5.602	VV	1494.21899	3.09980e-1	463.17845		PCB1248_5
6.887		-	-	-		DBC
7.834	BB	6299.68750	7.27482e-3	45.82909		DCBP

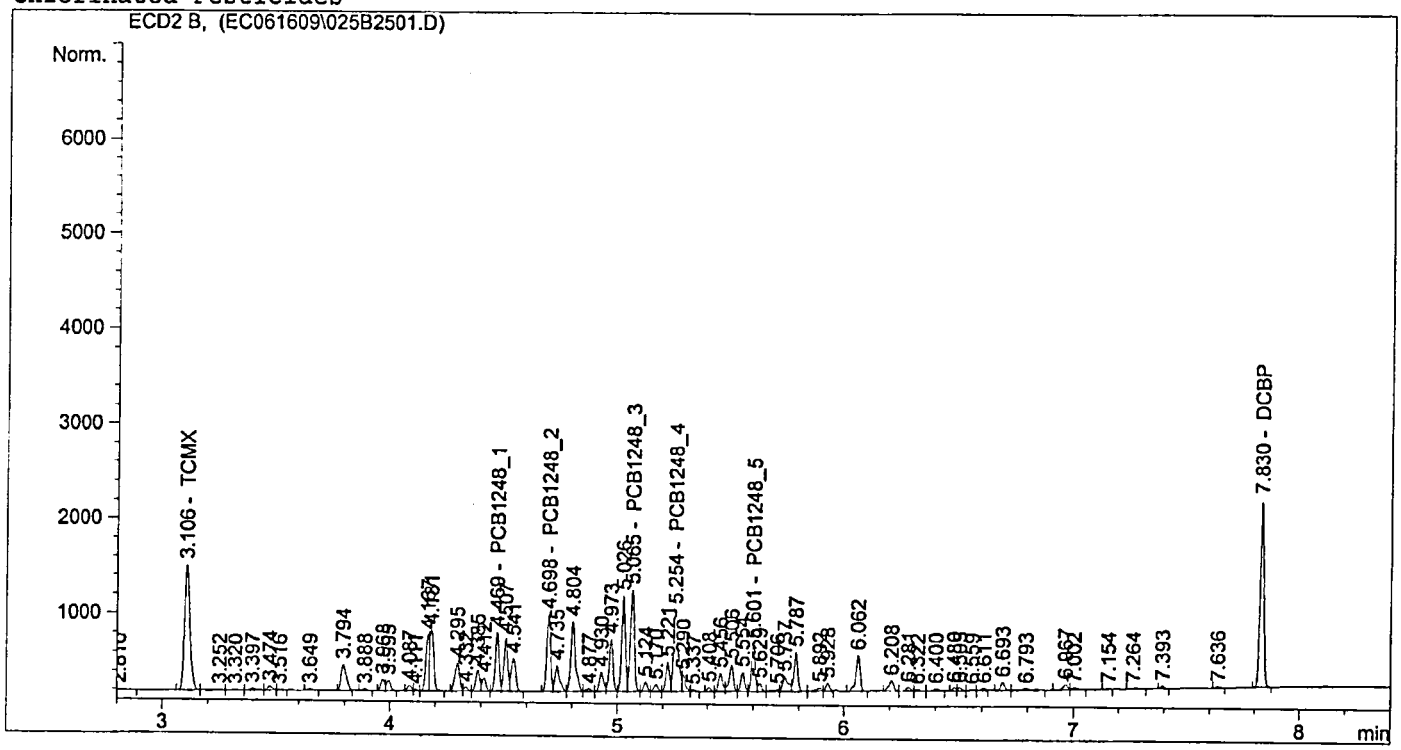
Totals : 2415.64627

BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 7:49:47 PM          Seq. Line :  25
Sample Name     : A1248 x200 ICAL                Location : Vial 25
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VB	2148.92798	8.99228e-3	19.32375		TCMX
4.469	VV	701.99823	2.79529e-1	196.22870		PCB1248_1
4.698	PV	905.80774	2.15605e-1	195.29683		PCB1248_2
5.065	VV	1303.56958	1.49045e-1	194.29013		PCB1248_3
5.254	VV	1268.16577	1.54230e-1	195.58961		PCB1248_4
5.601	VV	535.51013	3.65858e-1	195.92075		PCB1248_5
6.887		-	-	-		DBC
7.830	BB	2213.60352	8.72560e-3	19.31501		DCBP

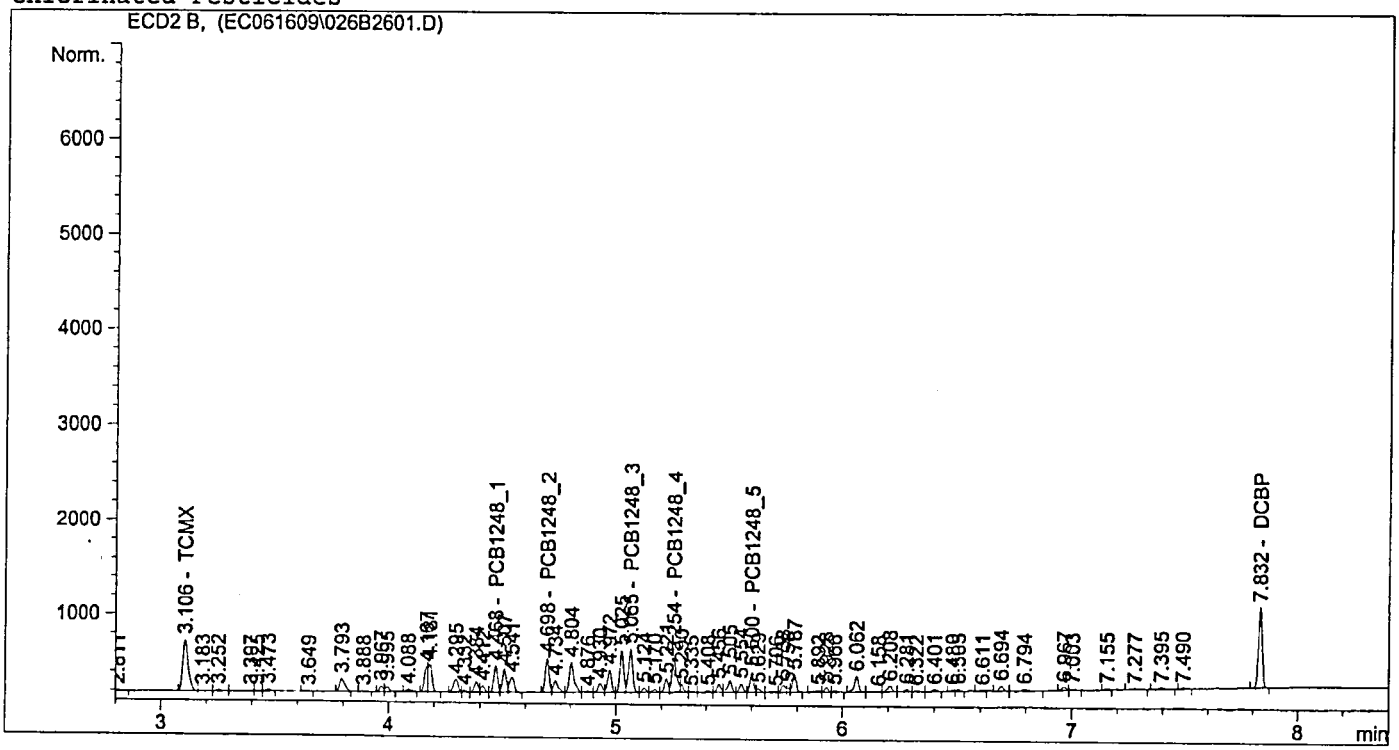
Totals : 1015.96479

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 8:02:36 PM          Seq. Line :  26
Sample Name     : A1248 x100 ICAL                Location : Vial 26
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

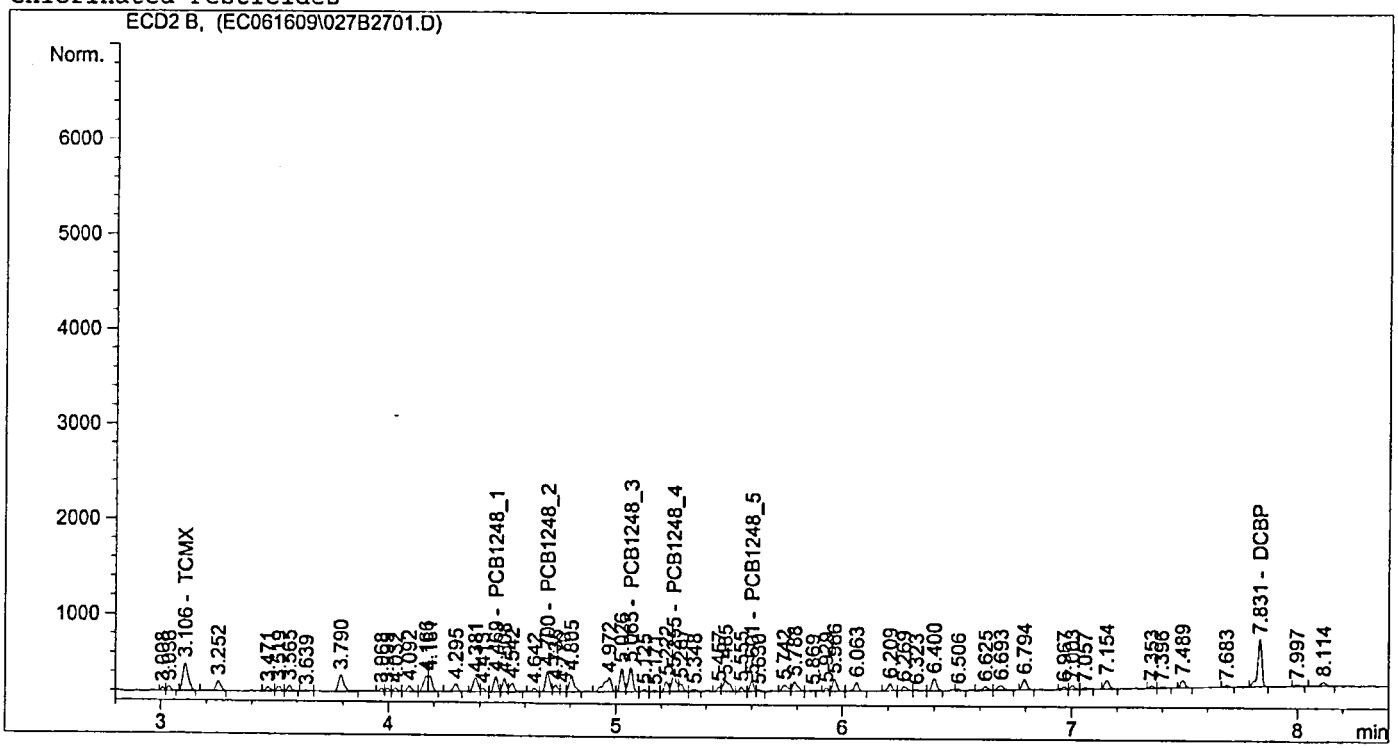
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	887.92737	1.26654e-2	11.24595		TCMX
4.468	VV	311.68481	3.47042e-1	108.16777		PCB1248_1
4.698	PV	390.62155	2.78247e-1	108.68922		PCB1248_2
5.065	VV	563.48987	1.93402e-1	108.97995		PCB1248_3
5.254	VV	539.59485	2.06885e-1	111.63432		PCB1248_4
5.600	VV	232.86835	4.79042e-1	111.55380		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	954.55786	1.16758e-2	11.14522		DCBP
Totals :				571.41623		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 8:15:37 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

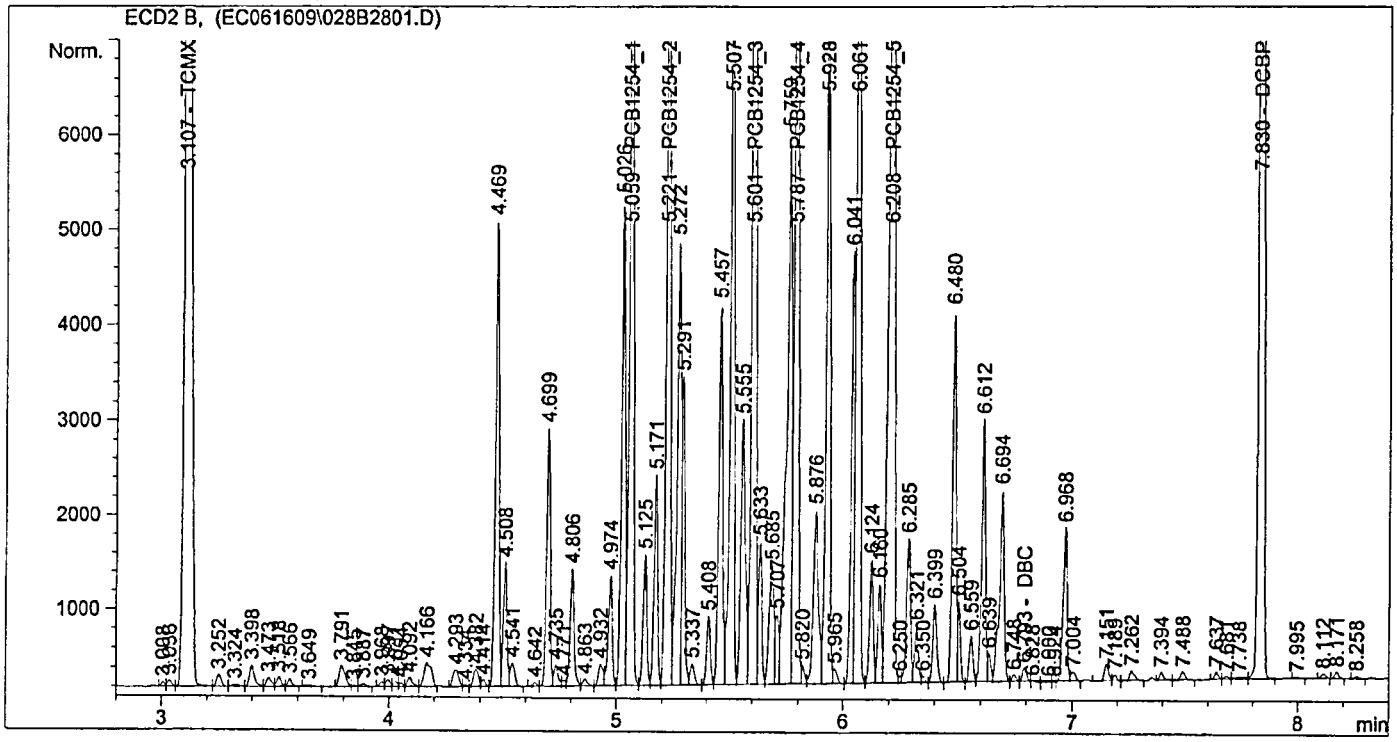
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BP	485.29697	1.78587e-2	8.66675		TCMX
4.469	VV	180.33220	4.35488e-1	78.53252		PCB1248_1
4.700	VV	266.96121	3.29264e-1	87.90076		PCB1248_2
5.065	VV	314.85751	2.55099e-1	80.31970		PCB1248_3
5.255	VV	283.46695	2.89699e-1	82.11997		PCB1248_4
5.601	VV	125.63702	6.49976e-1	81.66109		PCB1248_5
6.887		-	-	-		DBC
7.831	BB	622.84137	1.44383e-2	8.99276		DCBP
Totals :				428.19356		

BWS
6-17-09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 8:28:31 PM          Seq. Line :  28
Sample Name     : A1254 x2000 ICAL               Location : Vial 28
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

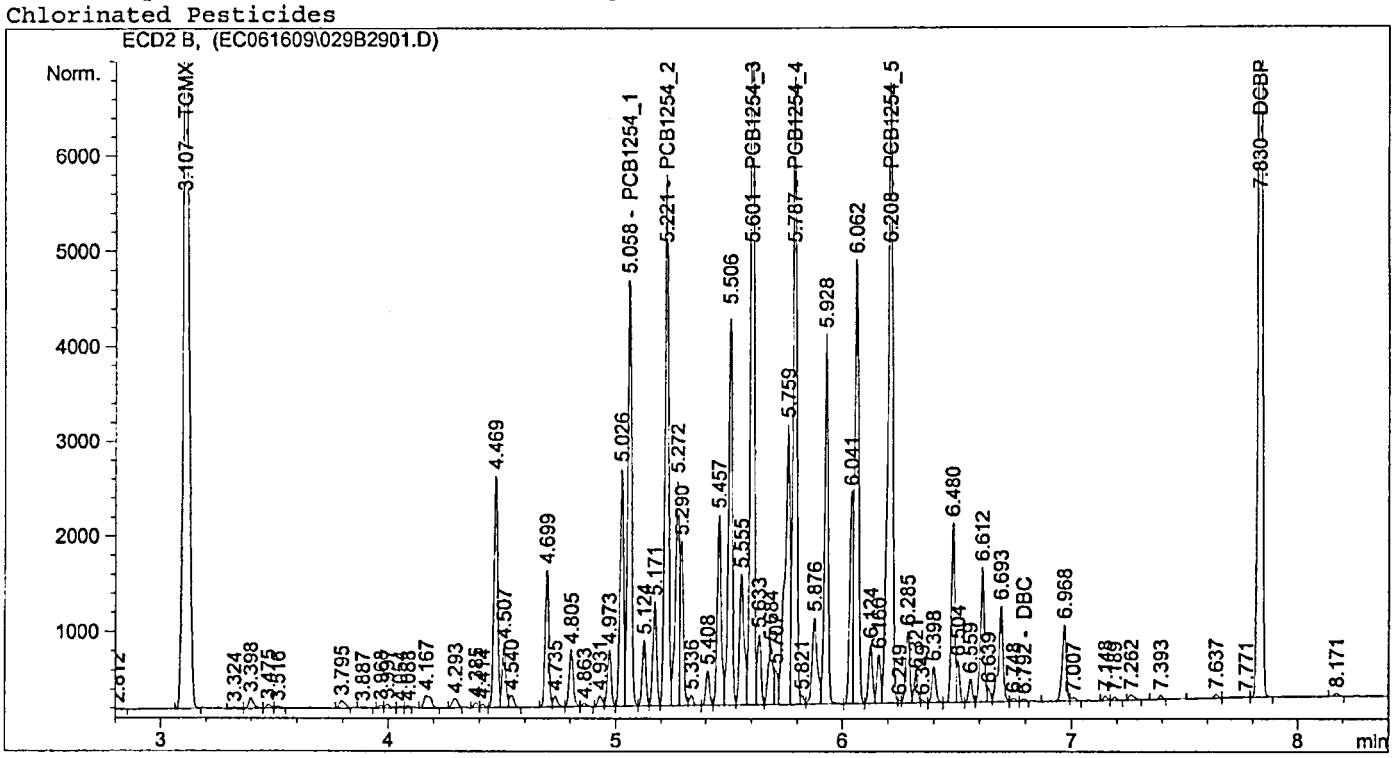
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VV	2.82617e4	7.07513e-3	199.95492		TCMX
5.059	VV	1.06647e4	1.87523e-1	1999.87699		PCB1254_1
5.221	VV	1.08727e4	1.79699e-1	1953.80746		PCB1254_2
5.601	VV	1.80251e4	1.10962e-1	2000.09376		PCB1254_3
5.787	VV	1.44171e4	1.38665e-1	1999.14940		PCB1254_4
6.208	VV	1.75004e4	1.12740e-1	1973.00287		PCB1254_5
6.793	VV	171.09821	0.00000	0.00000		DBC
7.830	VB	2.85947e4	7.03720e-3	201.22627		DCBP
Totals :				1.03271e4		

BWS
6-17-09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

```
==================================================================
Injection Date  : 6/16/2009 8:41:32 PM          Seq. Line :  29
Sample Name     : A1254 x1000 ICAL               Location : Vial 29
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

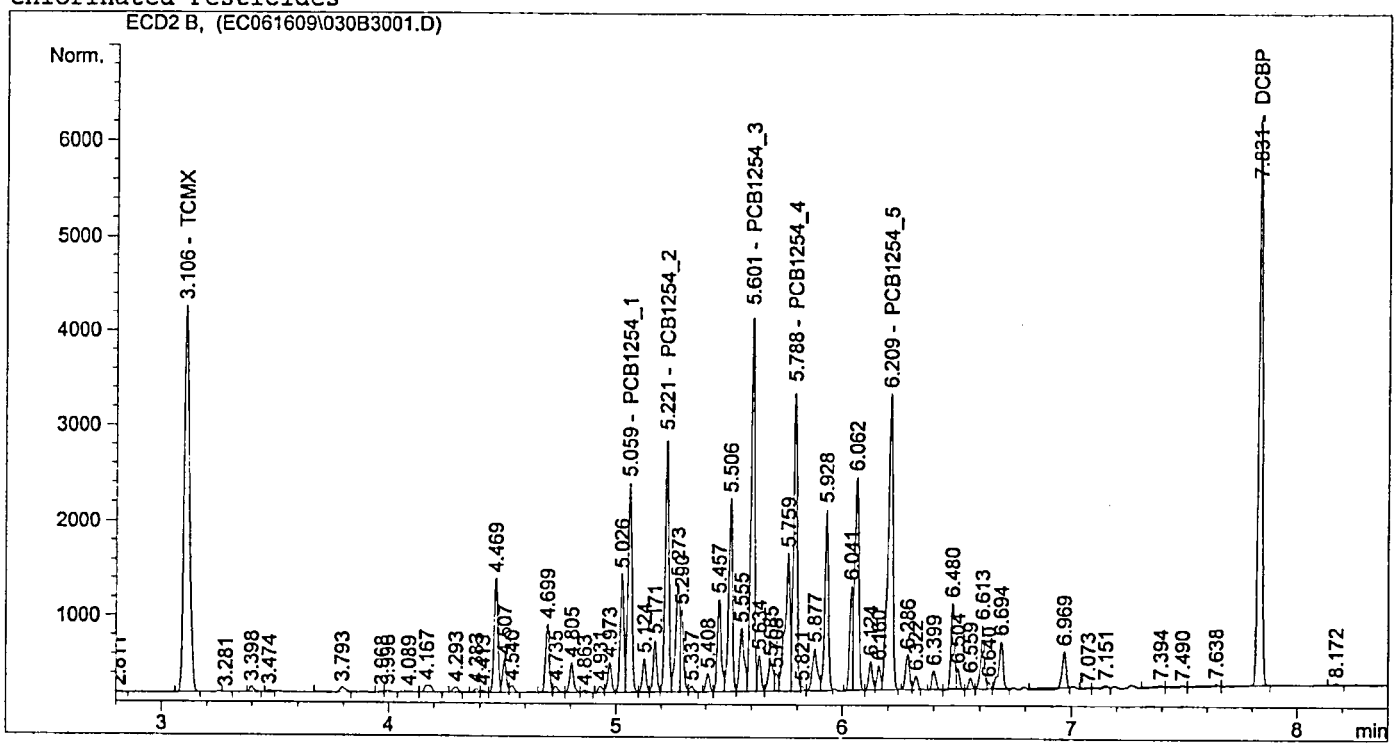
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VB	1.40482e4	7.16859e-3	100.70584		TCMX
5.058	VV	5308.97803	1.88691e-1	1001.75400		PCB1254_1
5.221	VV	6097.46680	1.78618e-1	1089.11633		PCB1254_2
5.601	VV	8935.36523	1.12154e-1	1002.13848		PCB1254_3
5.787	VV	7195.55811	1.39696e-1	1005.19148		PCB1254_4
6.208	VV	9338.53711	1.12975e-1	1055.02259		PCB1254_5
6.792	VV	29.78347	0.00000	0.00000		DBC
7.830	VB	1.37947e4	7.12150e-3	98.23857		DCBP
Totals :				5352.16729		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

```
==================================================================
Injection Date  : 6/16/2009 8:54:25 PM          Seq. Line :  30
Sample Name     : A1254 x500 ICAL                Location : Vial 30
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	6711.31299	7.37175e-3	49.47411		TCMX
5.059	VV	2630.86133	1.91057e-1	502.64386		PCB1254_1
5.221	VV	2990.20801	1.76060e-1	526.45598		PCB1254_2
5.601	VV	4376.57861	1.14617e-1	501.62995		PCB1254_3
5.788	VV	3507.07764	1.41860e-1	497.51547		PCB1254_4
6.209	VV	4512.06494	1.13514e-1	512.18204		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	6690.64648	7.29443e-3	48.80442		DCBP

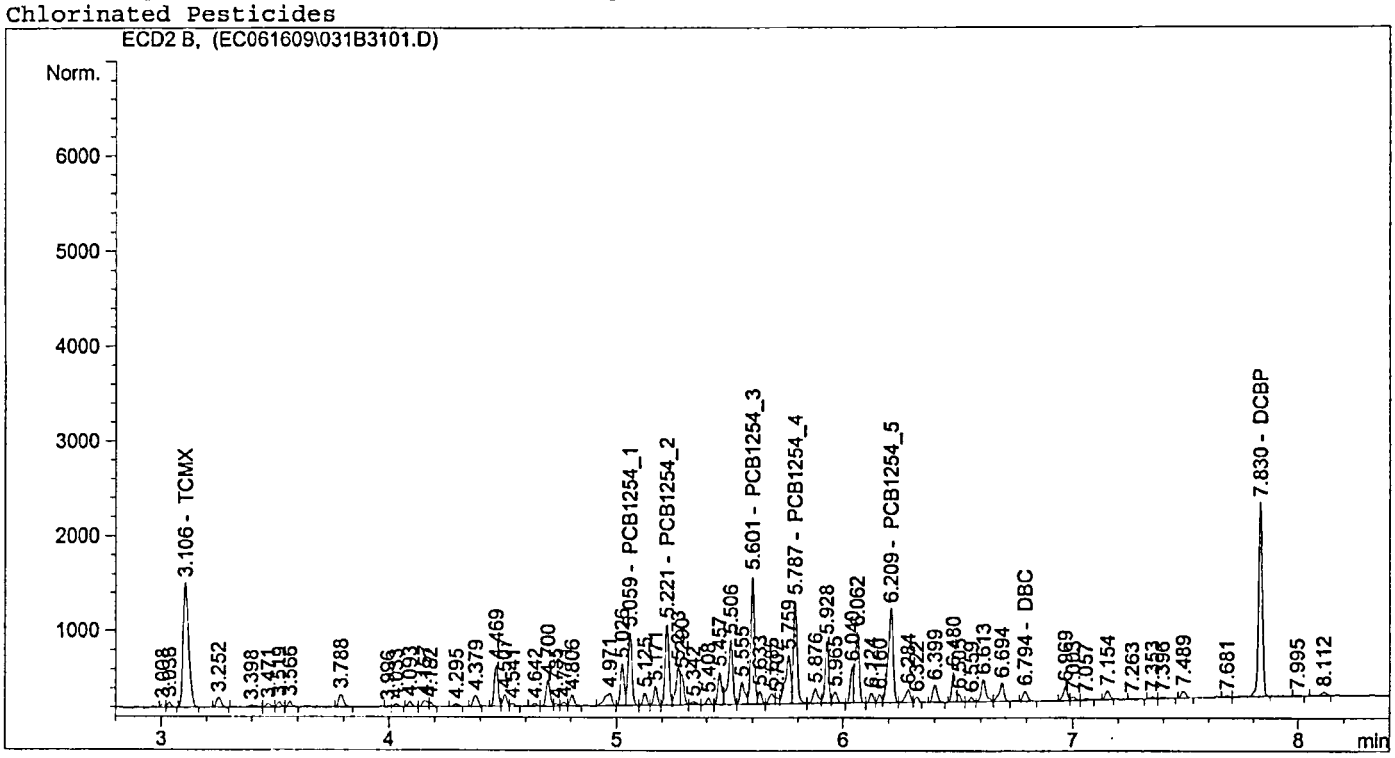
BWS
6.17.09

Totals : 2638.70584

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:07:20 PM          Seq. Line :  31
Sample Name     : A1254 x200 ICAL                Location : Vial 31
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	2193.94385	8.17269e-3	17.93042		TCMX
5.059	VV	926.45355	1.99686e-1	185.00005		PCB1254_1
5.221	VV	987.88354	1.65886e-1	163.87639		PCB1254_2
5.601	VV	1473.57690	1.24126e-1	182.90980		PCB1254_3
5.787	VV	1242.70264	1.49554e-1	185.85086		PCB1254_4
6.209	VV	1477.55640	1.15655e-1	170.88632		PCB1254_5
6.794	VB	145.04182	0.00000	0.00000		DBC
7.830	VB	2369.89722	7.90665e-3	18.73794		DCBP
Totals :				925.19179		

BWS
6.17.09

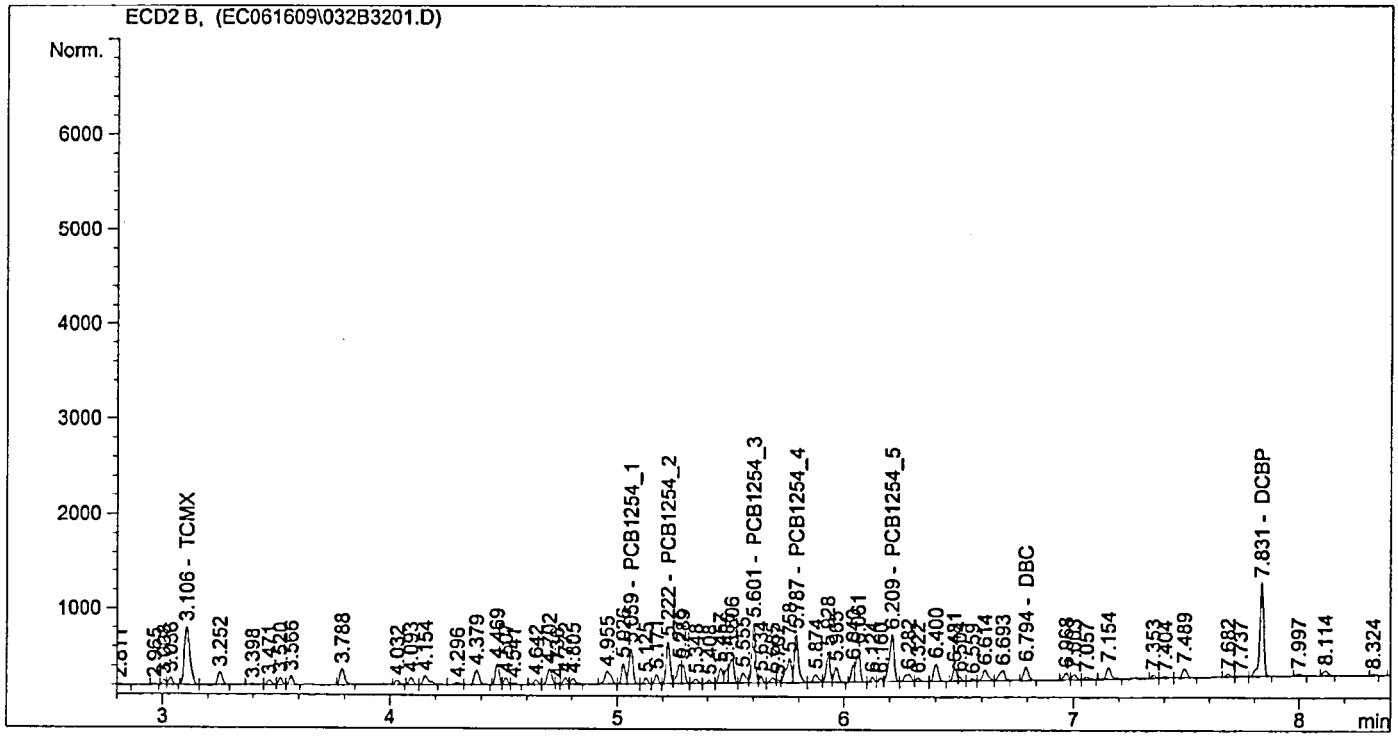
```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

==========

Injection Date : 6/16/2009 9:20:15 PM Seq. Line : 32
Sample Name : A1254 x100 ICAL Location : Vial 32
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	1019.56036	9.54332e-3	9.72999		TCMX
5.059	VV	447.20605	2.13961e-1	95.68457		PCB1254_1
5.222	VV	505.87912	1.51410e-1	76.59535		PCB1254_2
5.601	VV	680.14520	1.40851e-1	95.79905		PCB1254_3
5.787	VV	629.87061	1.61147e-1	101.50173		PCB1254_4
6.209	VV	720.91449	1.18996e-1	85.78568		PCB1254_5
6.794	VB	200.11134	0.00000	0.00000		DBC
7.831	VB	1208.52026	8.81768e-3	10.65635		DCBP

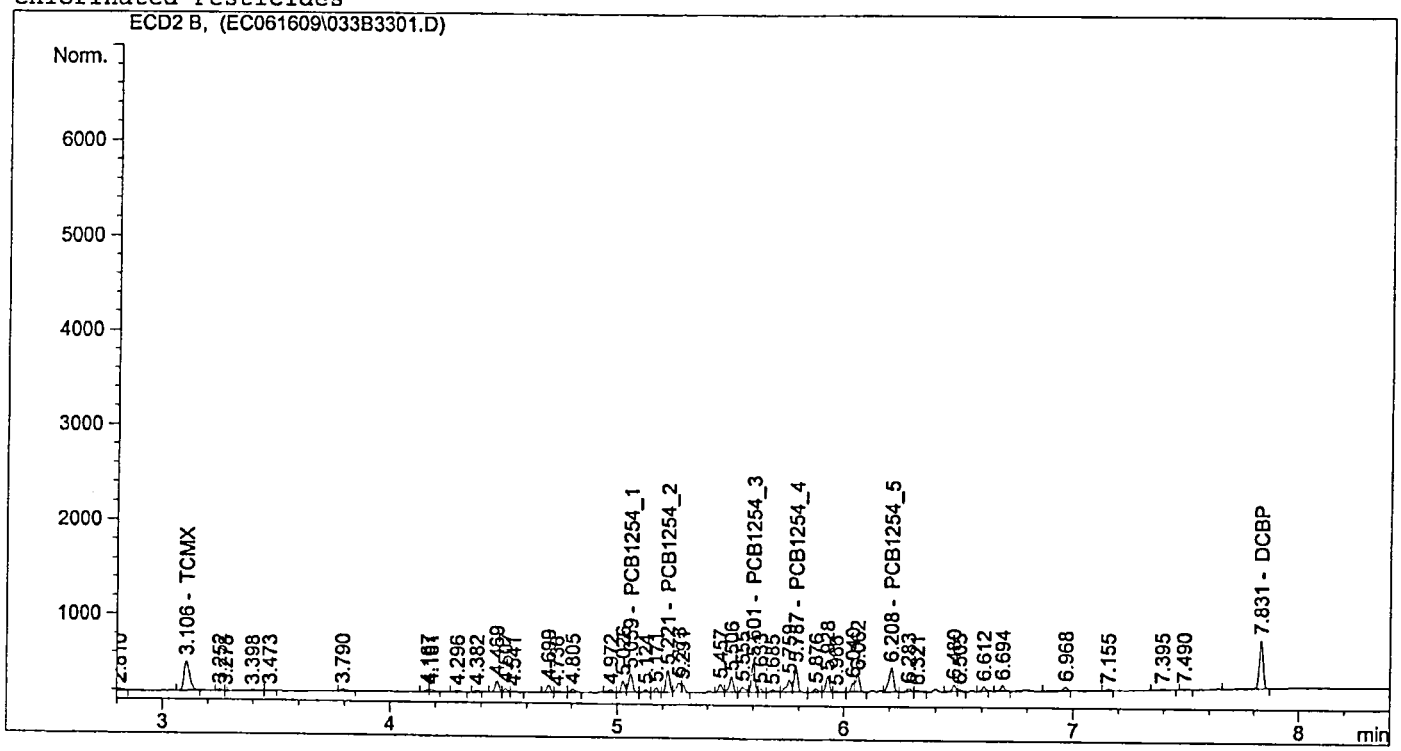
Totals : 475.75272

BWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:33:02 PM          Seq. Line :  33
Sample Name     : A1254 x40 ICAL                 Location : Vial 33
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	514.70605	1.20549e-2	6.20472		TCMX
5.059	VV	229.11891	2.40227e-1	55.04052		PCB1254_1
5.221	VV	249.37901	1.20894e-1	30.14848		PCB1254_2
5.601	VV	330.65857	1.73681e-1	57.42896		PCB1254_3
5.787	VV	261.43622	1.94277e-1	50.79106		PCB1254_4
6.208	VV	341.57239	1.26241e-1	43.12050		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	587.72308	1.07814e-2	6.33645		DCBP

BWS
6-17-09

Totals : 249.07070

Results obtained with enhanced integrator!
2 Warnings or Errors :

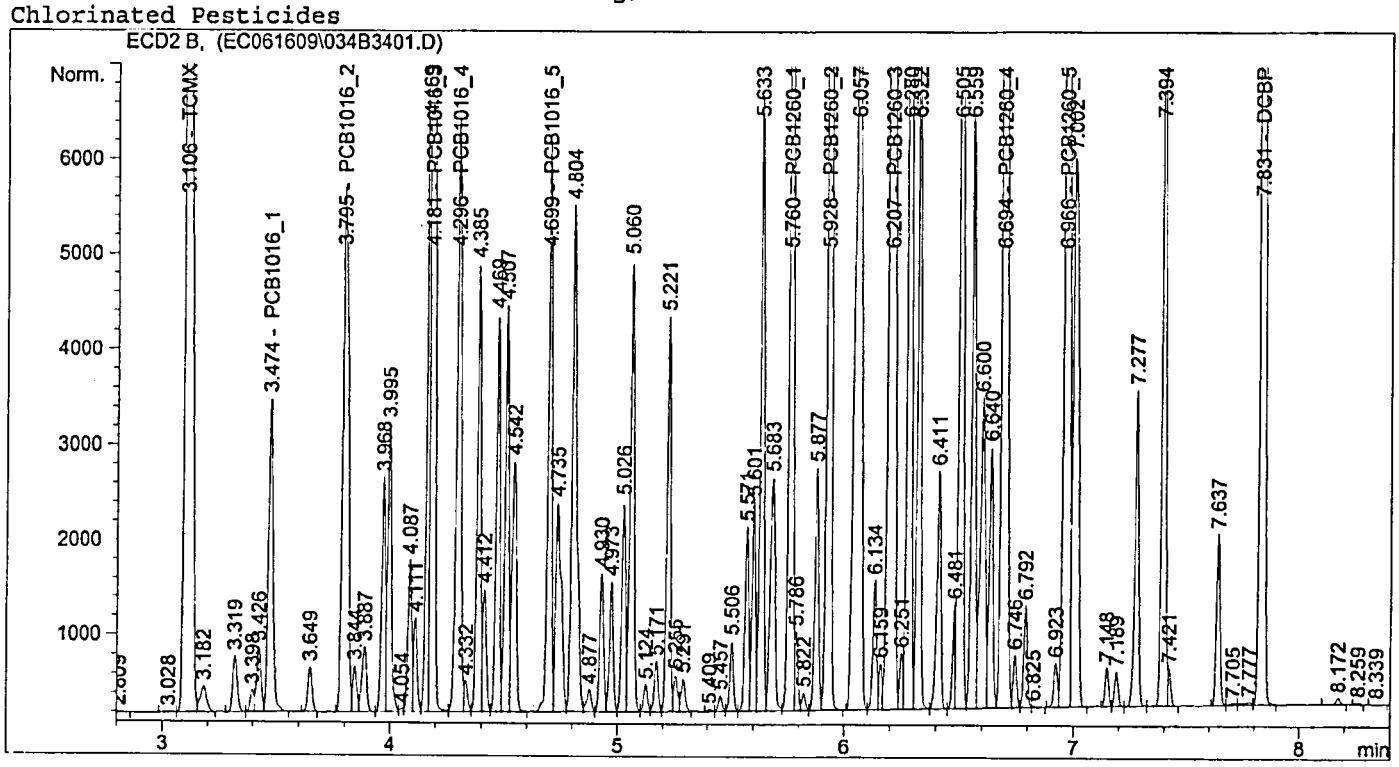
Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 9:46:01 PM Seq. Line : 34
Sample Name : PCB x2000 ICAL Location : Vial 34
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/17/2009 10:06:29 AM by BWS
(modified after loading)

Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:06:27 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

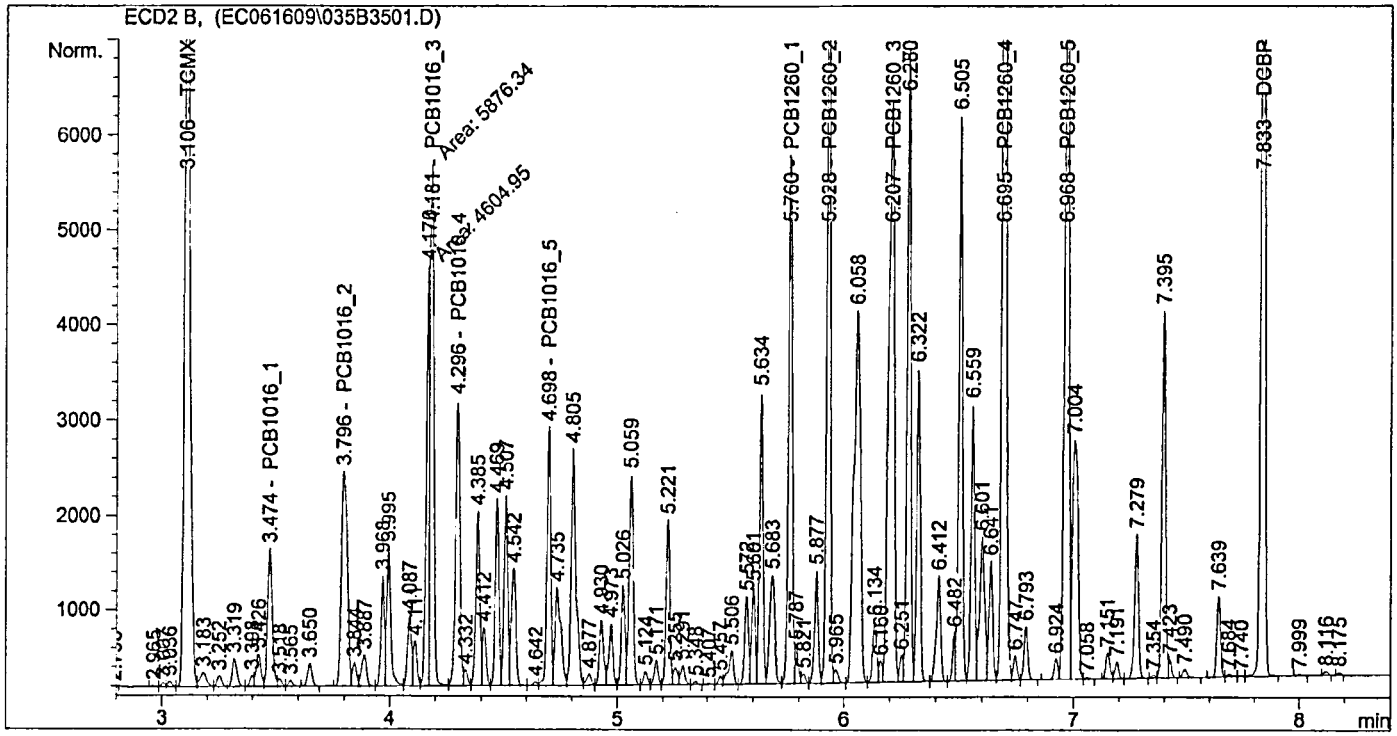
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2.94592e4	6.92505e-3	204.00623		TCMX
3.474	VB	4519.23340	4.43160e-1	2002.74428		PCB1016_1
3.795	PV	9469.86719	2.11388e-1	2001.81475		PCB1016_2
4.181	VV	1.46701e4	1.38396e-1	2030.28167		PCB1016_3
4.296	VV	8460.35547	2.38305e-1	2016.14481		PCB1016_4
4.699	VV	6825.10742	2.95084e-1	2013.97708		PCB1016_5
5.760	VV	1.36293e4	1.47790e-1	2014.27611		PCB1260_1
5.928	VB	1.90835e4	1.07837e-1	2057.90603		PCB1260_2
6.207	VV	2.42130e4	8.41678e-2	2037.95609		PCB1260_3
6.694	VV	3.69854e4	5.59014e-2	2067.53221		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	2.38040e4	8.64581e-2	2058.04726		PCB1260_5
7.831	VB	2.91817e4	6.17971e-3	180.33454		DCBP

BWS
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\035B3501.D

```
==================================================================
Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  35
Sample Name     : PCB x1000 ICAL                 Location : Vial 35
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:07:22 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

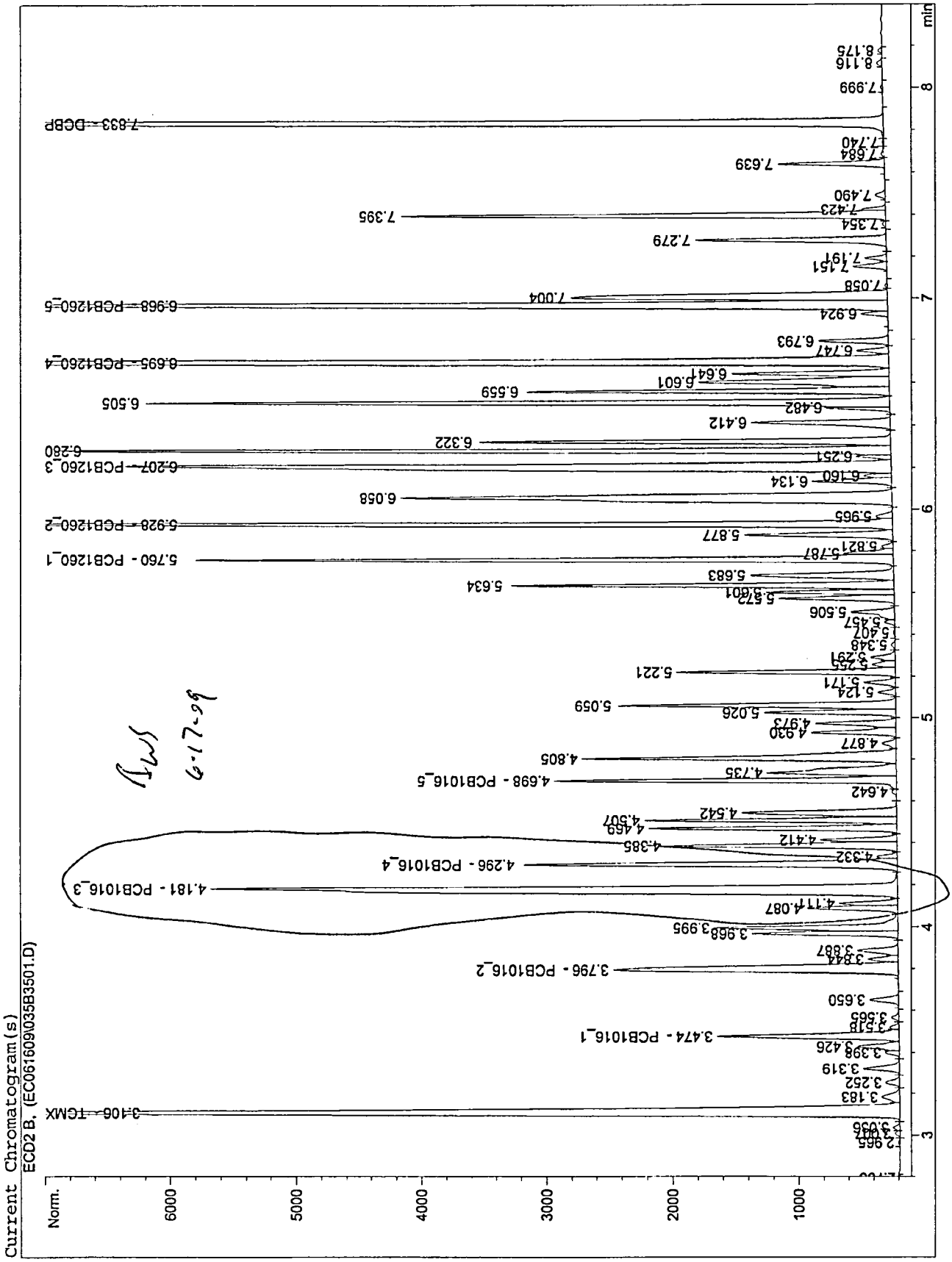
Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:07:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1.36287e4	7.07647e-3	96.44283		TCMX
3.474	VV	2033.76917	4.53075e-1	921.44899		PCB1016_1
3.796	VV	4170.35840	2.17441e-1	906.80535		PCB1016_2
4.181	FM	5876.34326	1.46526e-1	861.03867		PCB1016_3
4.296	VV	4022.45117	2.41745e-1	972.40734		PCB1016_4
4.698	VV	3104.98975	3.02309e-1	938.66590		PCB1016_5
5.760	VV	6291.23389	1.50335e-1	945.79497		PCB1260_1
5.928	VV	9044.02246	1.08669e-1	982.80589		PCB1260_2
6.207	VV	1.06166e4	8.69772e-2	923.40447		PCB1260_3
6.695	VV	1.70676e4	5.68041e-2	969.51015		PCB1260_4
6.891		-	-	-		DBC
6.968	VV	1.11218e4	8.76728e-2	975.08050		PCB1260_5
7.833	VB	1.36456e4	6.60789e-3	90.16844		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:07:22 AM BWS

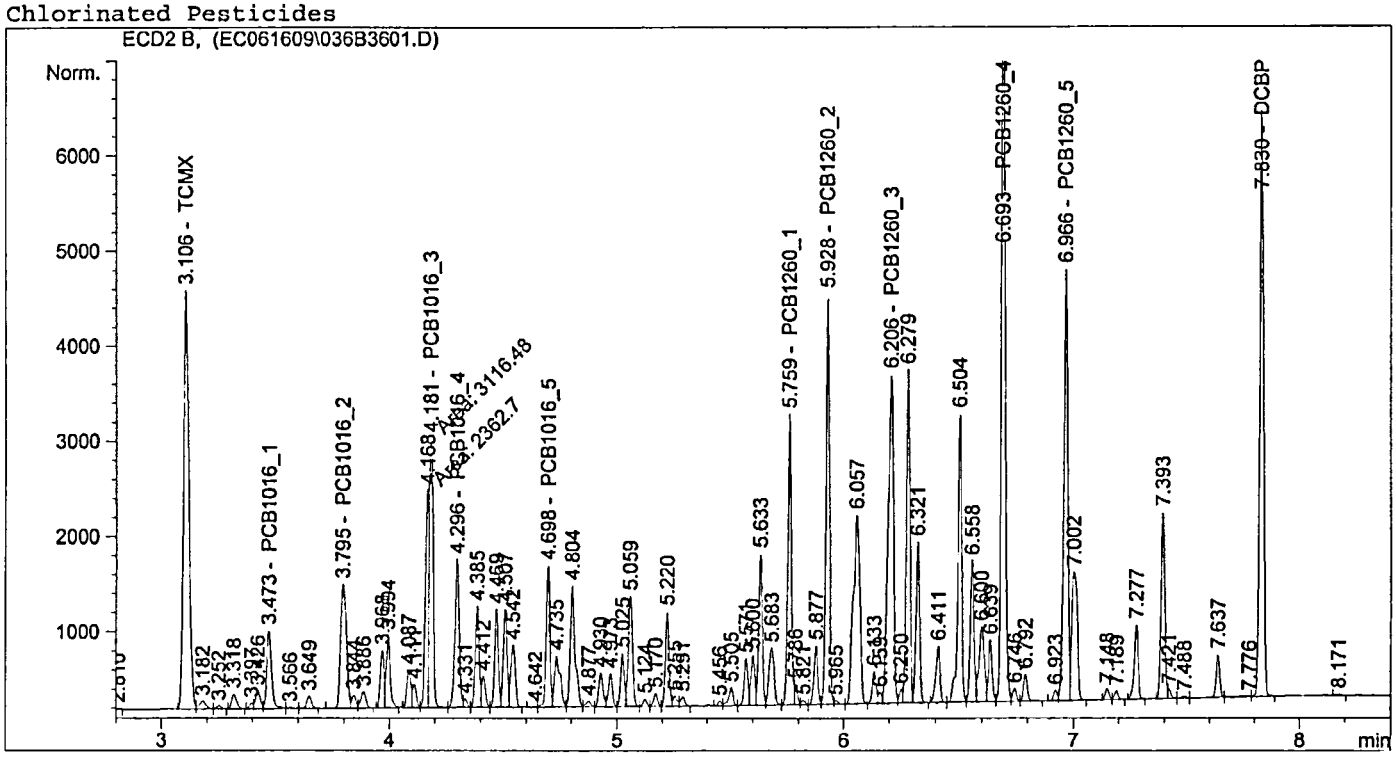

Current Chromatogram(s)
ECD2 B, (EC061609\035B3501.D)
Norm.
6000
5000
4000
3000
2000
1000
min
3
4
5
6
7
8
2.965
3.036
3.106 - TGMX
3.183
3.252
3.319
3.398
3.426
3.474 - PCB1016_1
3.518
3.565
3.650
3.796 - PCB1016_2
3.844
3.887
3.968
3.995
4.087
4.111
4.181 - PCB1016_3
4.296 - PCB1016_4
4.332
4.385
4.412
4.469
4.507
4.542
4.642
4.698 - PCB1016_5
4.735
4.805
4.877
4.930
4.973
5.026
5.059
5.124
5.171
5.221
5.265
5.291
5.348
5.407
5.457
5.506
5.572
5.601
5.634
5.683
5.760 - PCB1260_1
5.787
5.821
5.877
5.928 - PCB1260_2
5.965
6.058
6.134
6.160
6.207 - PCB1260_3
6.251
6.280
6.322
6.412
6.482
6.505
6.559
6.601
6.641
6.695 - PCB1260_4
6.747
6.793
6.924
6.968 - PCB1260_5
7.004
7.058
7.151
7.191
7.279
7.354
7.395
7.423
7.490
7.639
7.684
7.740
7.833 - DCBP
7.999
8.116
8.175

Fmt
6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\036B3601.D

```
==================================================================
Injection Date  : 6/16/2009 10:11:44 PM          Seq. Line :  36
Sample Name     : PCB x500 ICAL                   Location : Vial 36
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:08:05 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:08:02 AM
Multiplier : 1.0000
Dilution : 1.0000

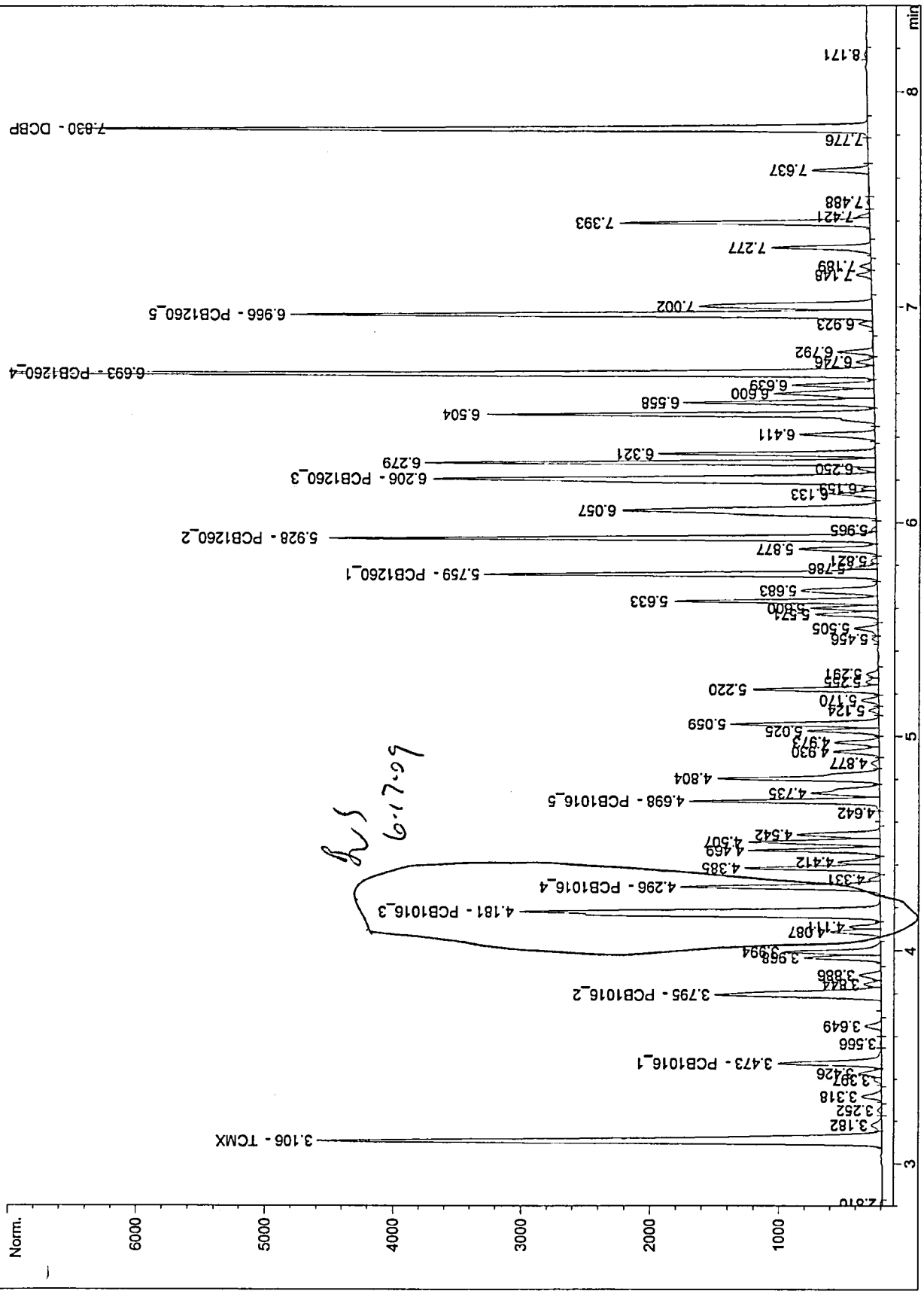
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	7003.94629	7.20672e-3	50.47550		TCMX
3.473	VV	1173.99915	4.48251e-1	526.24666		PCB1016_1
3.795	BV	2337.43018	2.17472e-1	508.32606		PCB1016_2
4.181	FM	3116.47534	1.53470e-1	478.28481		PCB1016_3
4.296	VV	2094.15796	2.42120e-1	507.03773		PCB1016_4
4.698	VV	1677.99841	3.03838e-1	509.83950		PCB1016_5
5.759	VV	3357.37085	1.51005e-1	506.97811		PCB1260_1
5.928	VV	4654.07275	1.09539e-1	509.80197		PCB1260_2
6.206	VV	5743.00488	8.85477e-2	508.52996		PCB1260_3
6.693	VV	8792.44434	5.78925e-2	509.01700		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	5652.14844	8.91801e-2	504.05910		PCB1260_5
7.830	VB	6917.99902	6.66835e-3	46.13166		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:08:05 AM BWS

Current Chromatogram(s)
ECD2 B, (EC061609\036B3601.D)

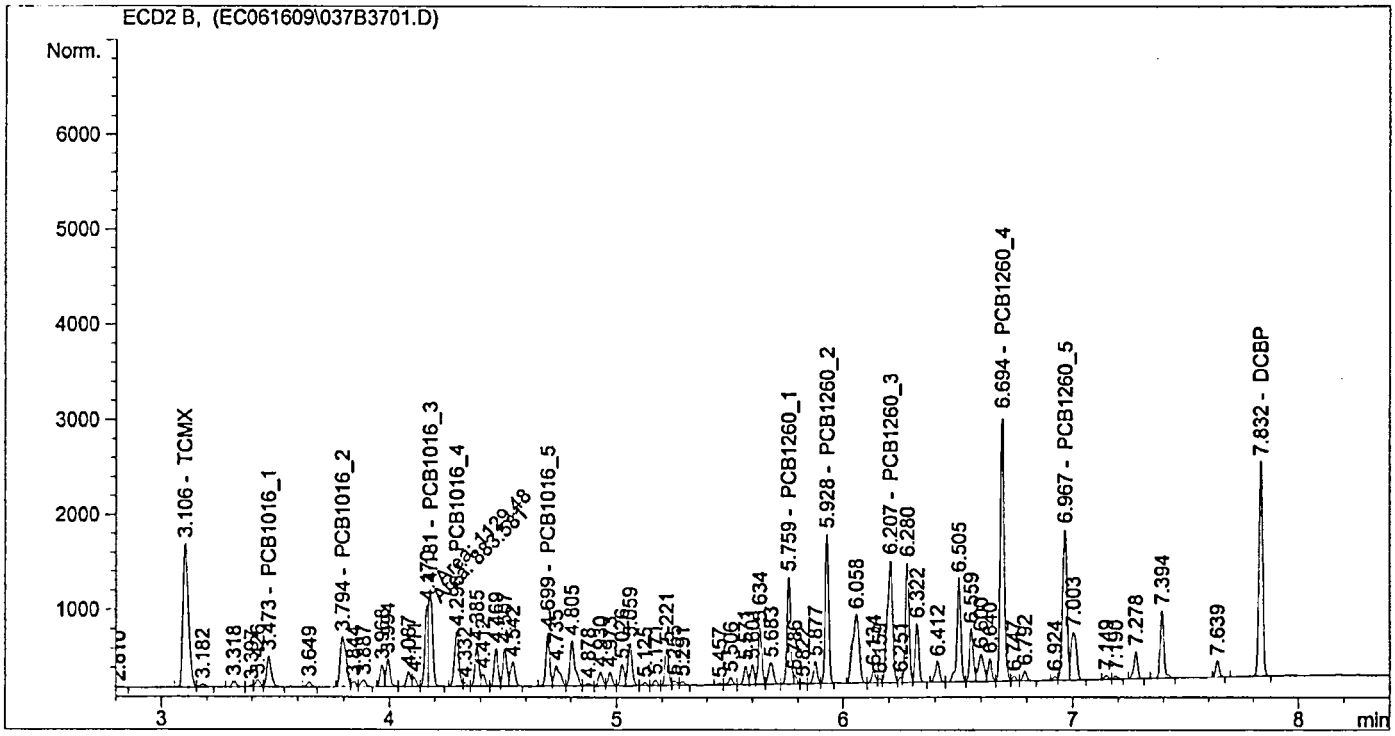


6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\037B3701.D

```
==================================================================
Injection Date  : 6/16/2009 10:24:44 PM          Seq. Line :  37
Sample Name     : PCB x200 ICAL                   Location : Vial 37
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:10:01 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:10:00 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

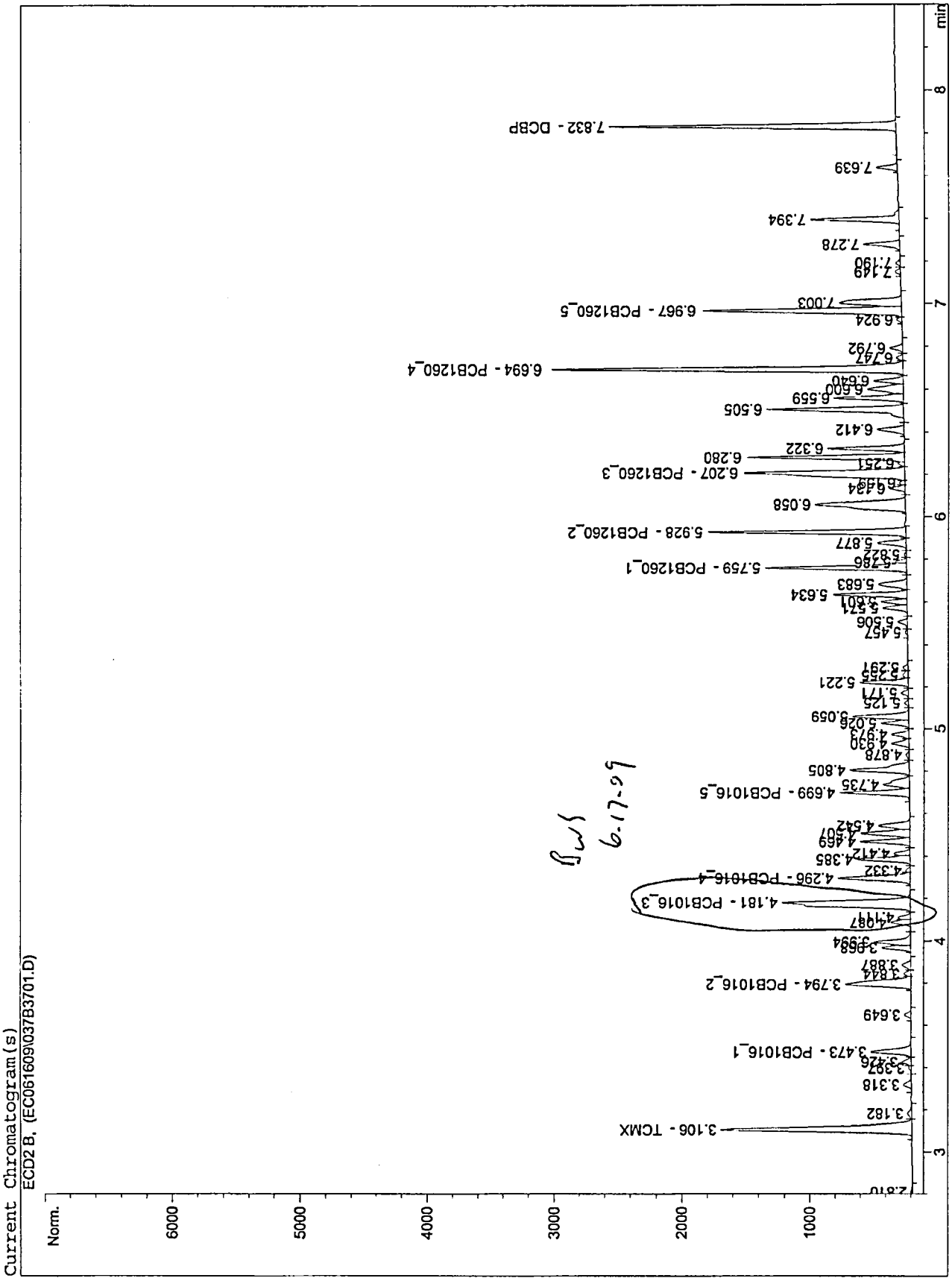
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2459.41650	7.98155e-3	19.62996		TCMX
3.473	VB	459.35840	4.55209e-1	209.10389		PCB1016_1
3.794	BV	925.94446	2.27040e-1	210.22643		PCB1016_2
4.181	FM	1129.47510	1.84501e-1	208.38960		PCB1016_3
4.296	BV	785.00928	2.52392e-1	198.12976		PCB1016_4
4.699	BV	634.24420	3.20572e-1	203.32064		PCB1016_5
5.759	VV	1251.00183	1.59135e-1	199.07828		PCB1260_1
5.928	VV	1690.69934	1.17110e-1	197.99704		PCB1260_2
6.207	VV	2103.30566	9.77195e-2	205.53395		PCB1260_3
6.694	VV	3117.92969	6.42428e-2	200.30467		PCB1260_4
6.891		-	-	-		DBC
6.967	VV	2021.84827	9.79173e-2	197.97387		PCB1260_5
7.832	BB	2527.29541	7.09127e-3	17.92173		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:10:01 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)
ECD2 B, (EC061609\037B3701.D)

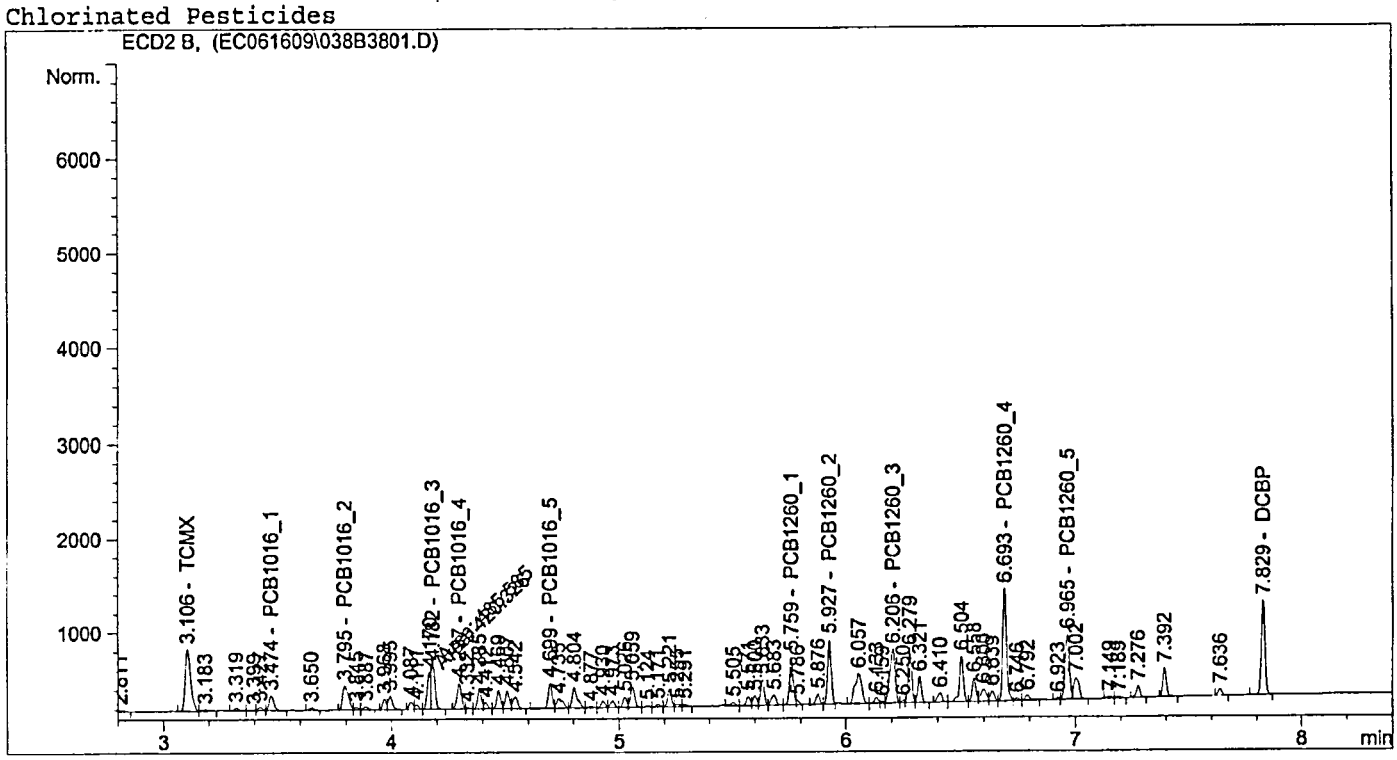


ECD2 6/17/2009 10:08:23 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\038B3801.D

```
==================================================================
Injection Date  : 6/16/2009 10:37:35 PM          Seq. Line :  38
Sample Name     : PCB x100 ICAL                   Location : Vial 38
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:10:50 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:10:48 AM
Multiplier             :      1.0000
Dilution               :      1.0000

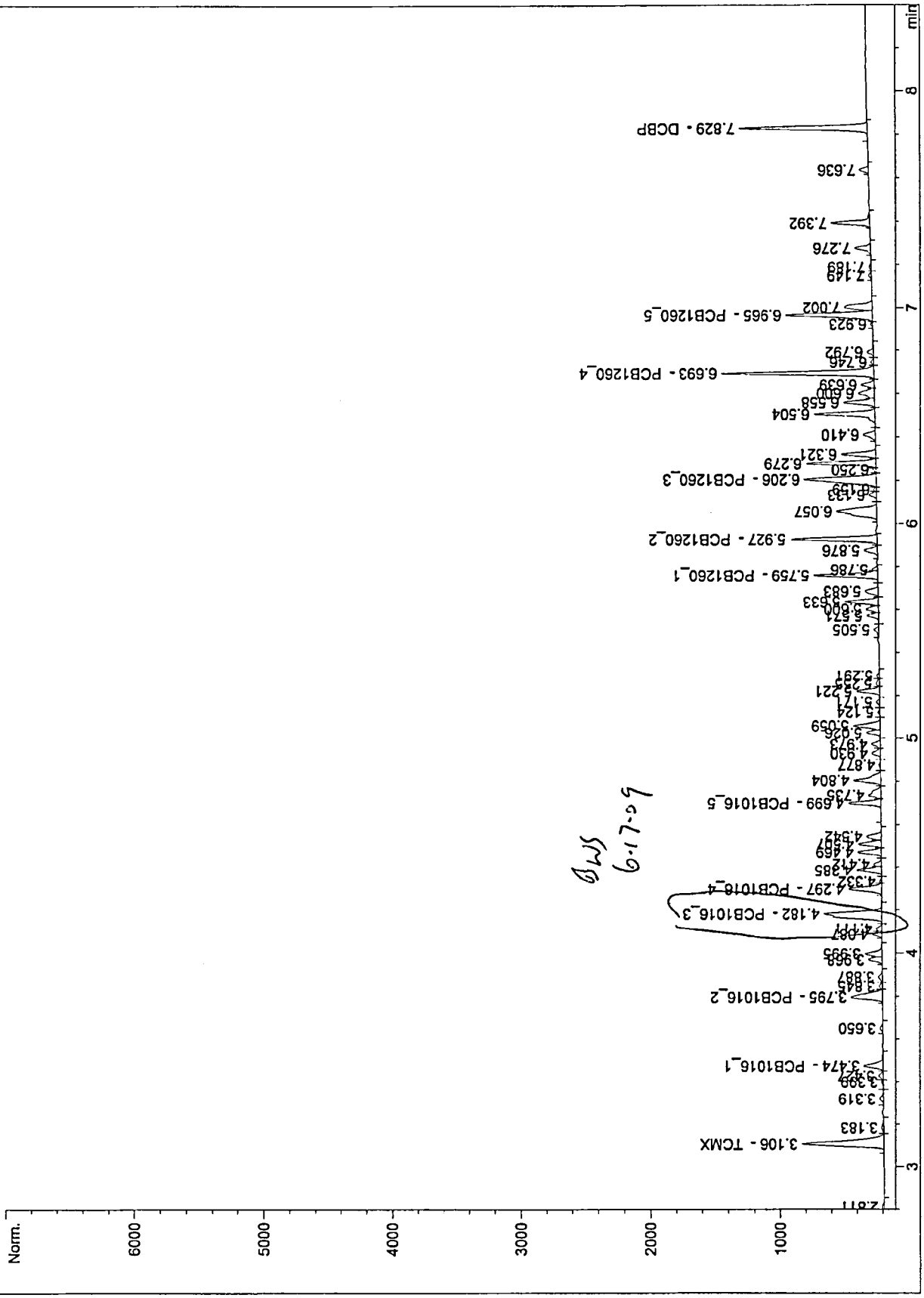
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1060.00964	9.47053e-3	10.03885		TCMX
3.474	VB	217.42149	4.56579e-1	99.27014		PCB1016_1
3.795	BV	437.29282	2.40067e-1	104.97947		PCB1016_2
4.182	FM	485.58514	2.49460e-1	121.13418		PCB1016_3
4.297	BV	360.85504	2.68497e-1	96.88843		PCB1016_4
4.699	BV	295.44028	3.46344e-1	102.32409		PCB1016_5
5.759	VV	561.53314	1.74475e-1	97.97337		PCB1260_1
5.927	VV	743.89374	1.30403e-1	97.00615		PCB1260_2
6.206	VV	927.62262	1.14883e-1	106.56771		PCB1260_3
6.693	VV	1324.98889	7.63427e-2	101.15317		PCB1260_4
6.891		-	-	-		DBC
6.965	VV	870.44684	1.14817e-1	99.94177		PCB1260_5
7.829	BB	1119.47693	8.34984e-3	9.34745		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:10:50 AM BWS

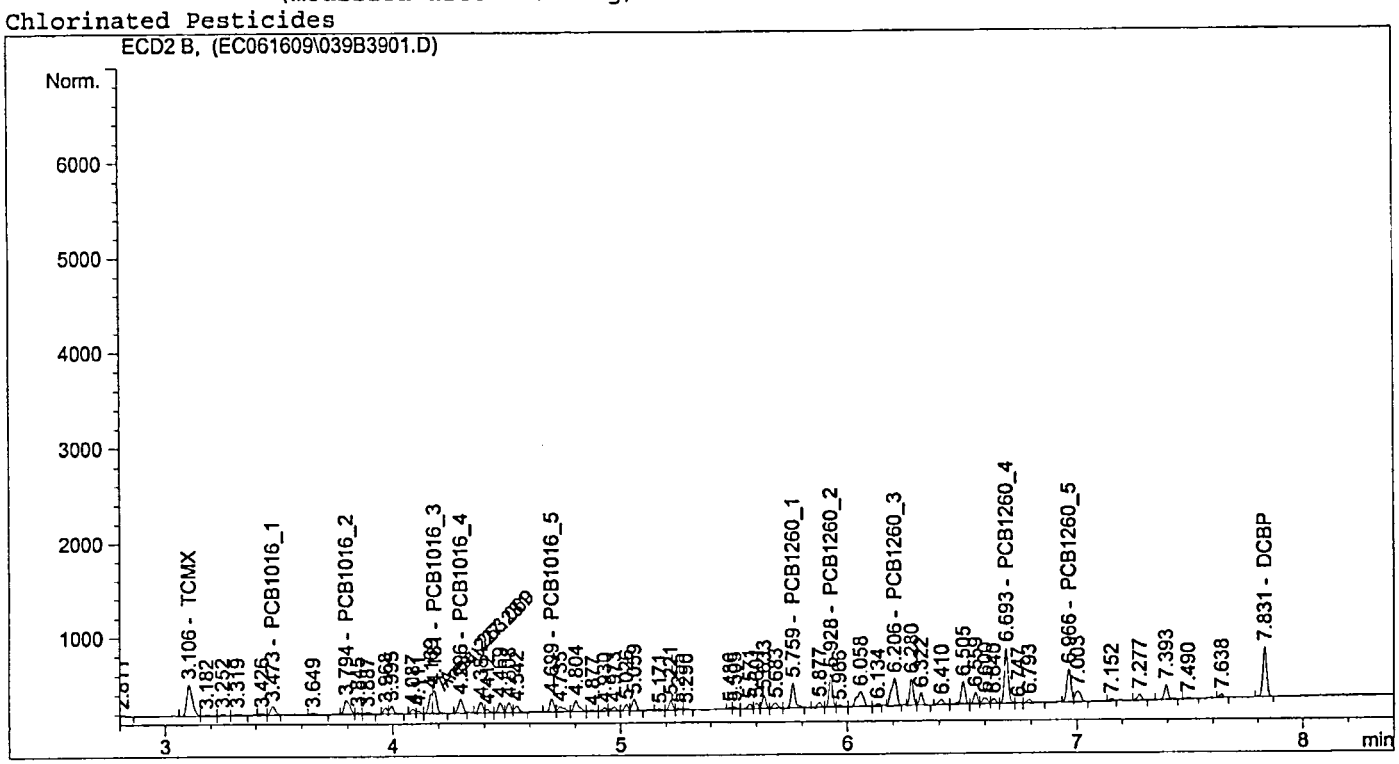
Current Chromatogram(s)
ECD2 B, (EC061609\038B3801.D)



Data File C:\HPCHEM\1\DATA\EC061609\039B3901.D

```
==================================================================
Injection Date  : 6/16/2009 10:50:29 PM          Seq. Line :  39
Sample Name     : PCB x40 ICAL                    Location : Vial 39
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:11:41 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	548.72662	1.20299e-2	6.60113		TCMX
3.473	VV	121.06745	4.56623e-1	55.28216		PCB1016_1
3.794	BV	251.36978	2.58563e-1	64.99505		PCB1016_2
4.181	FM	263.06857	3.48380e-1	91.64781		PCB1016_3
4.296	BV	195.81090	2.95069e-1	57.77769		PCB1016_4
4.699	VV	160.03806	3.89192e-1	62.28561		PCB1016_5
5.759	VV	317.76819	1.96374e-1	62.40140		PCB1260_1
5.928	VV	382.41440	1.54962e-1	59.25959		PCB1260_2
6.206	VV	472.35635	1.46152e-1	69.03575		PCB1260_3
6.693	VV	666.49261	9.75963e-2	65.04720		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	445.24323	1.44457e-1	64.31850		PCB1260_5
7.831	BB	608.79004	1.07789e-2	6.56211		DCBP

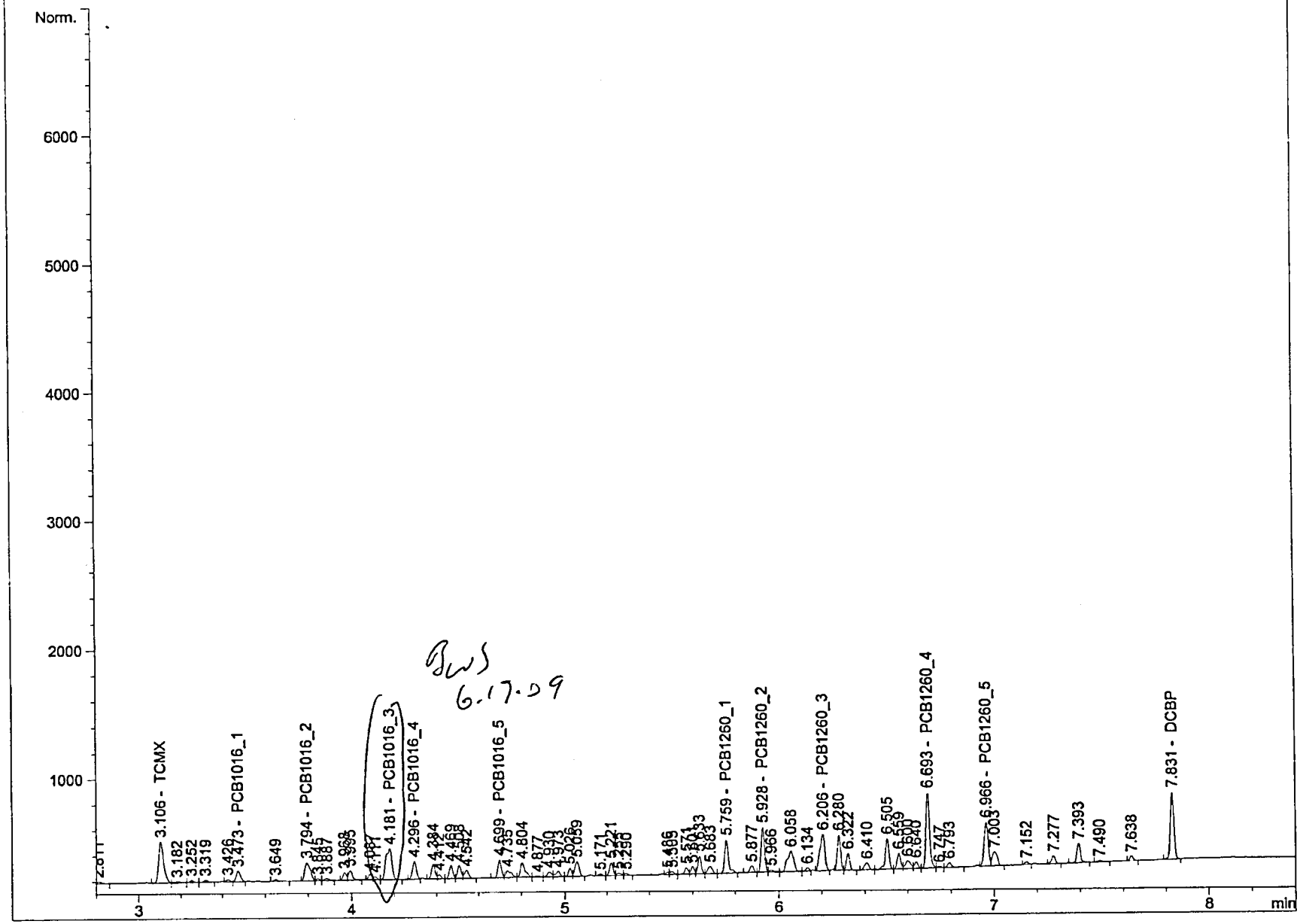
BWS
6-17-09

ECD2 6/17/2009 10:11:41 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

ECD2 B, (EC061609\039B3901.D)



ECD2 6/17/2009 10:11:16 AM BWS

8082 CVS Raw Data

PCB Calibration Verification Summary

Sample ID: CVS-1221-1000
Instrument ID: ECD2

Date: 16-Jul-09 09:19
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1221	1	3.31298	3.28298	3.34298	1054.269503	1055.390504	-5.54
	2	3.41934	3.38934	3.44934	1062.629564		
	3	3.46755	3.43755	3.49755	1049.272445		
	4						
	5						
	1						
	2						
	3						
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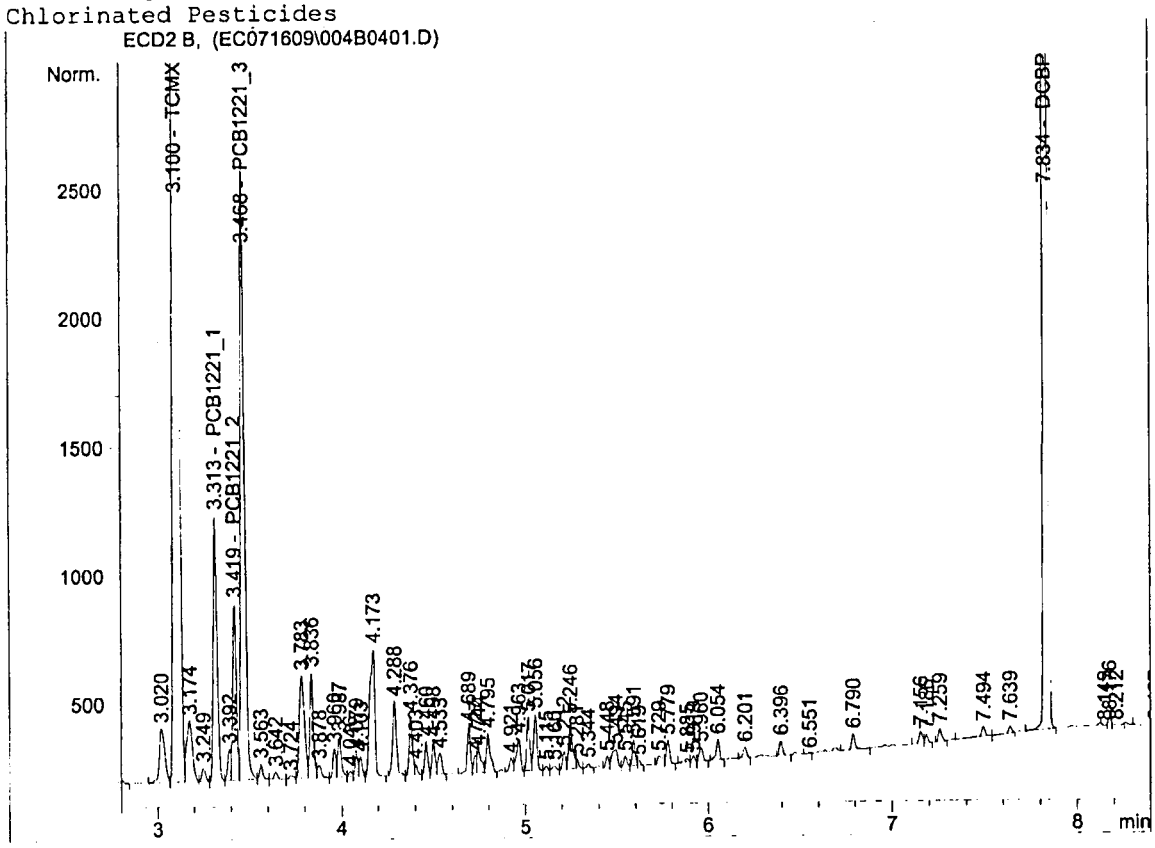
```
==========================================================================
Injection Date  : 7/16/2009 9:19:10 AM          Seq. Line :   4
Sample Name     : cvs-1221-1000                  Location : Vial 4
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/22/2009 9:37:20 AM by BWS
Chlorinated Pesticides
```




```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.100	VV	1.53794e4	6.87235e-3	105.69258		TCMX
3.313	VV	1490.50793	7.07322e-1	1054.26950		PCB1221_1
3.419	VV	963.87170	1.10246	1062.62956		PCB1221_2
3.468	VV	3553.49854	2.95279e-1	1049.27244		PCB1221_3
6.890		-	-	-		DBC
7.834	BB	1.54268e4	6.83495e-3	105.44149		DCBP

BWS
7.16.09

Totals : 3377.30557

Results obtained with enhanced integrator!

PCB Calibration Verification Summary

Sample ID: CVS-1232-1000
Instrument ID: ECD2

Date: 16-Jul-09 09:32
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1232	1	3.46584	3.43584	3.49584	1024.067872	1009.969972	-0.997
	2	3.78566	3.75566	3.81566	983.6659675		
	3	4.17133	4.14133	4.20133	1007.030151		
	4	4.68807	4.65807	4.71807	1012.159198		
	5	5.05466	5.02466	5.08466	1022.926673		
	1						
	2						
	3						
	4						
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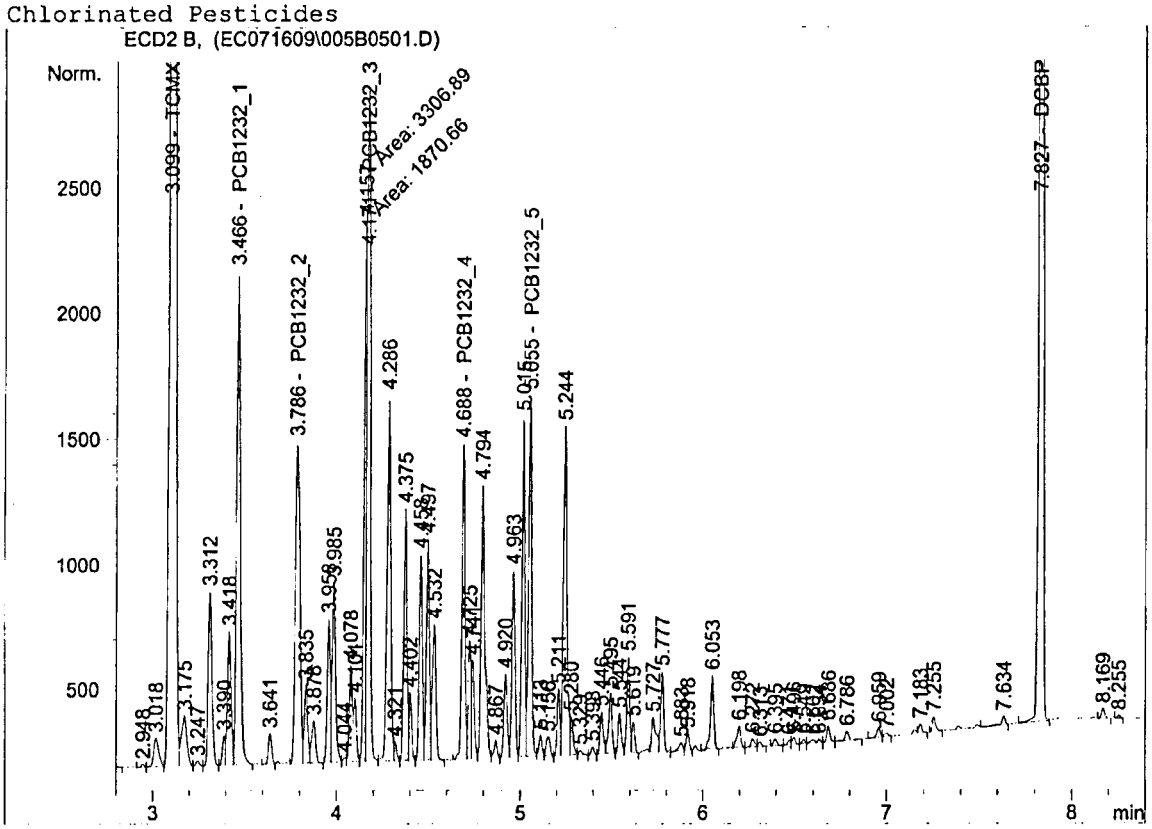
```
==================================================================
Injection Date  : 7/16/2009 9:32:05 AM          Seq. Line :   5
Sample Name     : cvs-1232-1000                  Location : Vial 5
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/22/2009 9:38:06 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

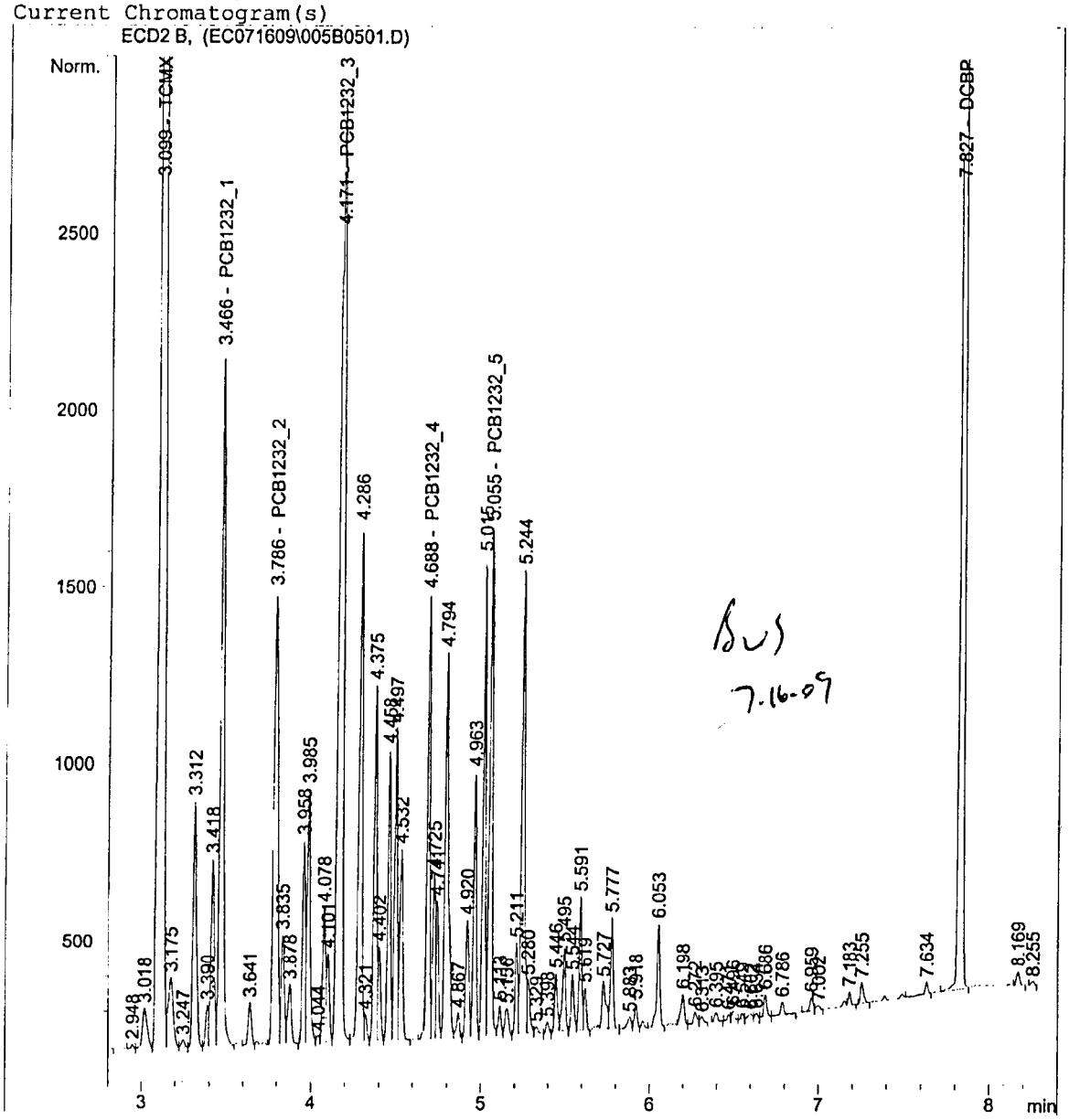
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.099	VV	1.50987e4	6.78373e-3	102.42541		TCMX
3.466	VV	2907.57349	3.52207e-1	1024.06787		PCB1232_1
3.786	VV	2304.58862	4.26829e-1	983.66597		PCB1232_2
4.171	FM	3306.88892	3.04525e-1	1007.03015		PCB1232_3
4.688	PV	1439.65820	7.03055e-1	1012.15920		PCB1232_4
5.055	VV	1730.65112	5.91065e-1	1022.92667		PCB1232_5
6.889		-	-	-		DBC
7.827	BB	1.52819e4	6.77912e-3	103.59803		DCBP

Totals : 5255.87330

BWS 7.16.09

Print of all graphic windows
Current Chromatogram(s)



PCB Calibration Verification Summary

Sample ID: CVS-1242-1000
Instrument ID: ECD2

Date: 16-Jul-09 09:44
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window From	RT Window To	Concentration	Mean Concentration	%D
Aroclor 1242	1	3.46586	3.43586	3.49586	1067.733858	1063.862326	-6.39
	2	3.78669	3.75669	3.81669	1030.690431		
	3	4.17178	4.14178	4.20178	1080.965431		
	4	4.68779	4.65779	4.71779	1062.202257		
	5	5.0544	5.0244	5.0844	1077.719654		
	1						
	2						
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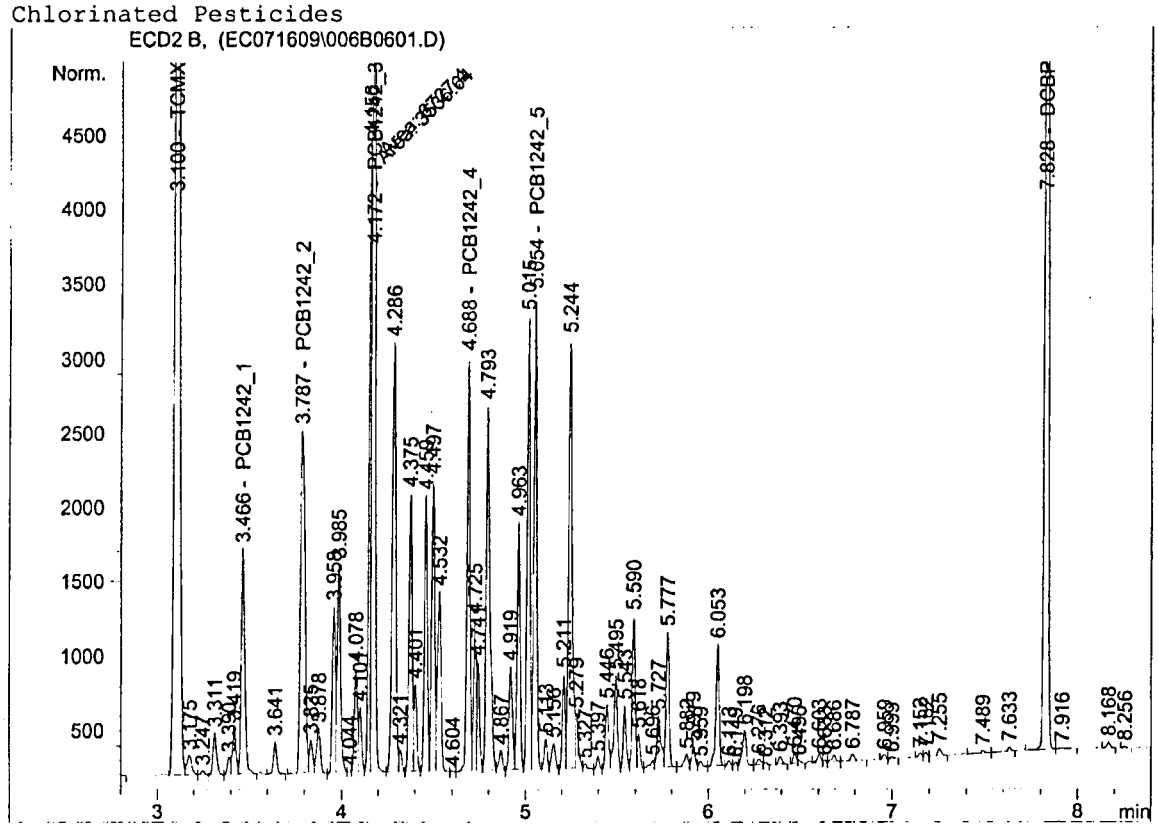
==================================================================
Injection Date  : 7/16/2009 9:44:59 AM          Seq. Line :   6
Sample Name     : cvs-1242-1000                  Location : Vial 6
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/22/2009 9:38:47 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

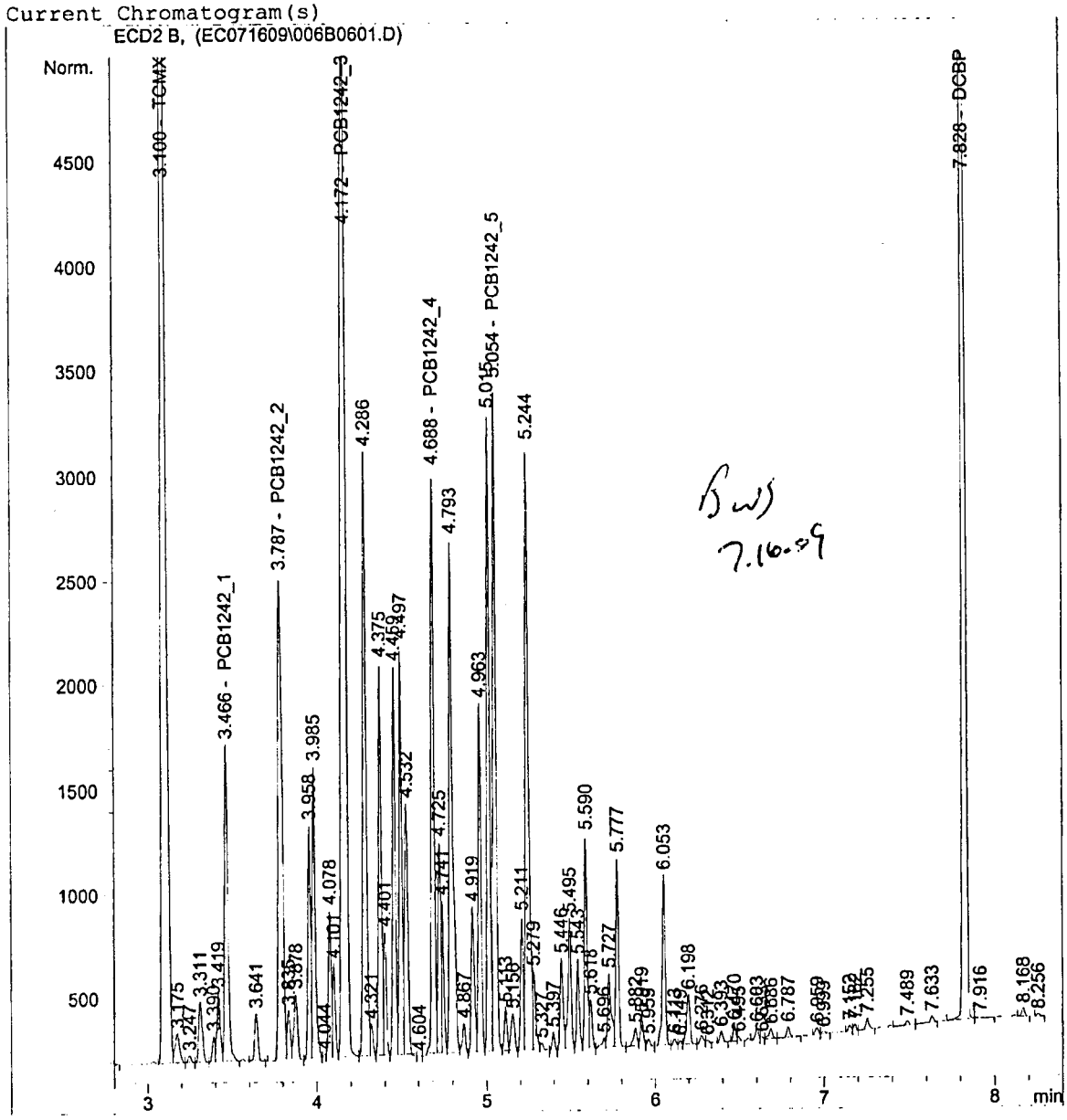
Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.100	VV	1.55620e4	6.95376e-3	108.21470		TCMX
3.466	VV	2126.05347	5.02214e-1	1067.73386		PCB1242_1
3.787	BV	4117.16406	2.50340e-1	1030.69043		PCB1242_2
4.172	FM	6727.39941	1.60681e-1	1080.96543		PCB1242_3
4.688	VV	3119.71069	3.40481e-1	1062.20226		PCB1242_4
5.054	VV	3822.65698	2.81929e-1	1077.71965		PCB1242_5
6.888		-	-	-		DBC
7.828	BB	1.56608e4	6.99780e-3	109.59099		DCBP
Totals :				5537.11732		

BWS
7.16.09

Print of all graphic windows
Current Chromatogram(s)



ECD2 7/16/2009 12:53:43 PM BWS

PCB Calibration Verification Summary

Sample ID: CVS-1248-1000
Instrument ID: ECD2
Date: 16-Jul-09 09:57
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1248	1	4.45794	4.42794	4.48794	1048.799873	1053.769565	-5.38
	2	4.68709	4.65709	4.71709	1053.887328		
	3	5.05359	5.02359	5.08359	1062.62596		
	4	5.24293	5.21293	5.27293	1055.276082		
	5	5.59017	5.56017	5.62017	1048.258583		
	1						
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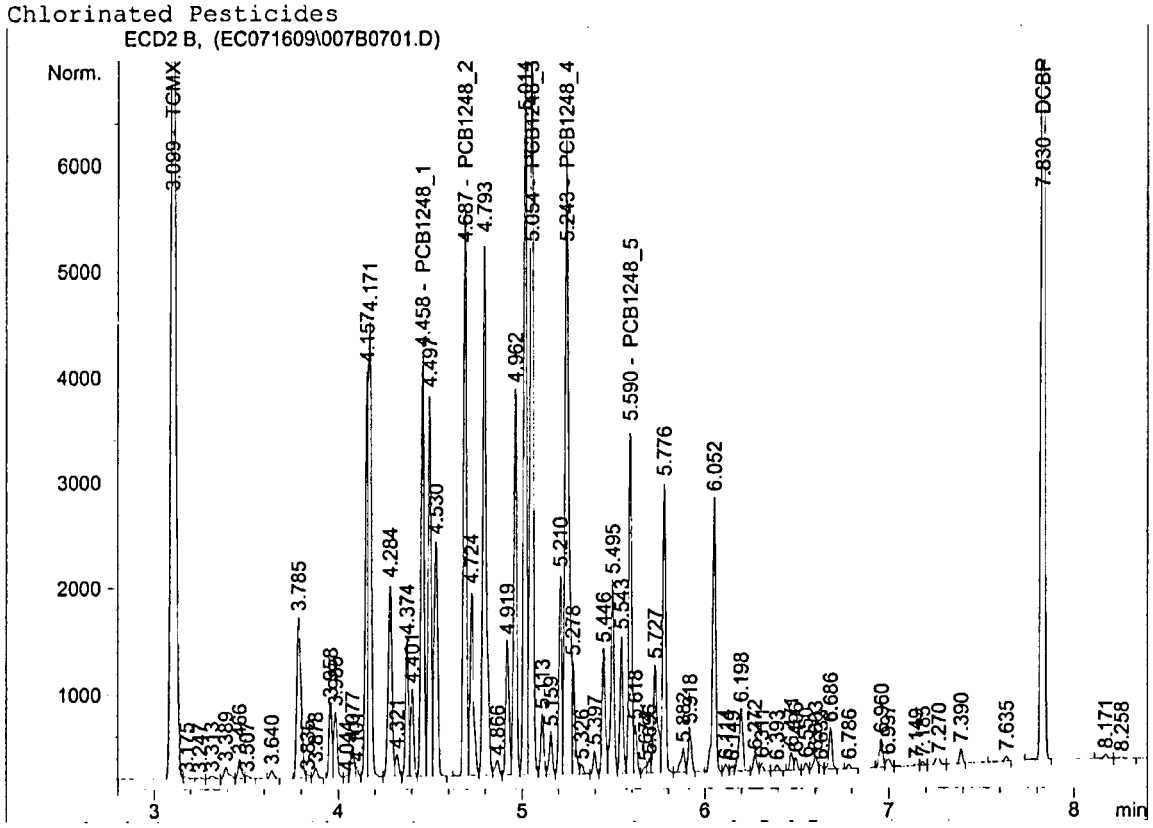
==================================================================
Injection Date  : 7/16/2009 9:57:42 AM          Seq. Line :   7
Sample Name     : cvs-1248-1000                  Location : Vial 7
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.099	BV	1.55134e4	6.76414e-3	104.93475		TCMX
4.458	VV	4480.85840	2.34062e-1	1048.79987		PCB1248_1
4.687	VV	6013.14160	1.75264e-1	1053.88733		PCB1248_2
5.054	VV	8836.52441	1.20254e-1	1062.62596		PCB1248_3
5.243	VV	8728.59570	1.20899e-1	1055.27608		PCB1248_4
5.590	VV	3593.02295	2.91748e-1	1048.25858		PCB1248_5
6.887		-	-	-		DBC
7.830	BB	1.56194e4	6.80587e-3	106.30336		DCBP

Totals : 5480.08593

BWS
7.16.09

PCB Calibration Verification Summary

Sample ID:	CVS-1254-1000	Date:	16-Jul-09 10:10
Instrument ID:	ECD2	ICAL Reference Date:	6/16/2009
		Column:	Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.04806	5.01806	5.07806	1085.525556	1125.526273	-12.6
	2	5.21058	5.18058	5.24058	1179.137693		
	3	5.5906	5.5606	5.6206	1095.595703		
	4	5.77693	5.74693	5.80693	1101.580994		
	5	6.19834	6.16834	6.22834	1165.791419		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
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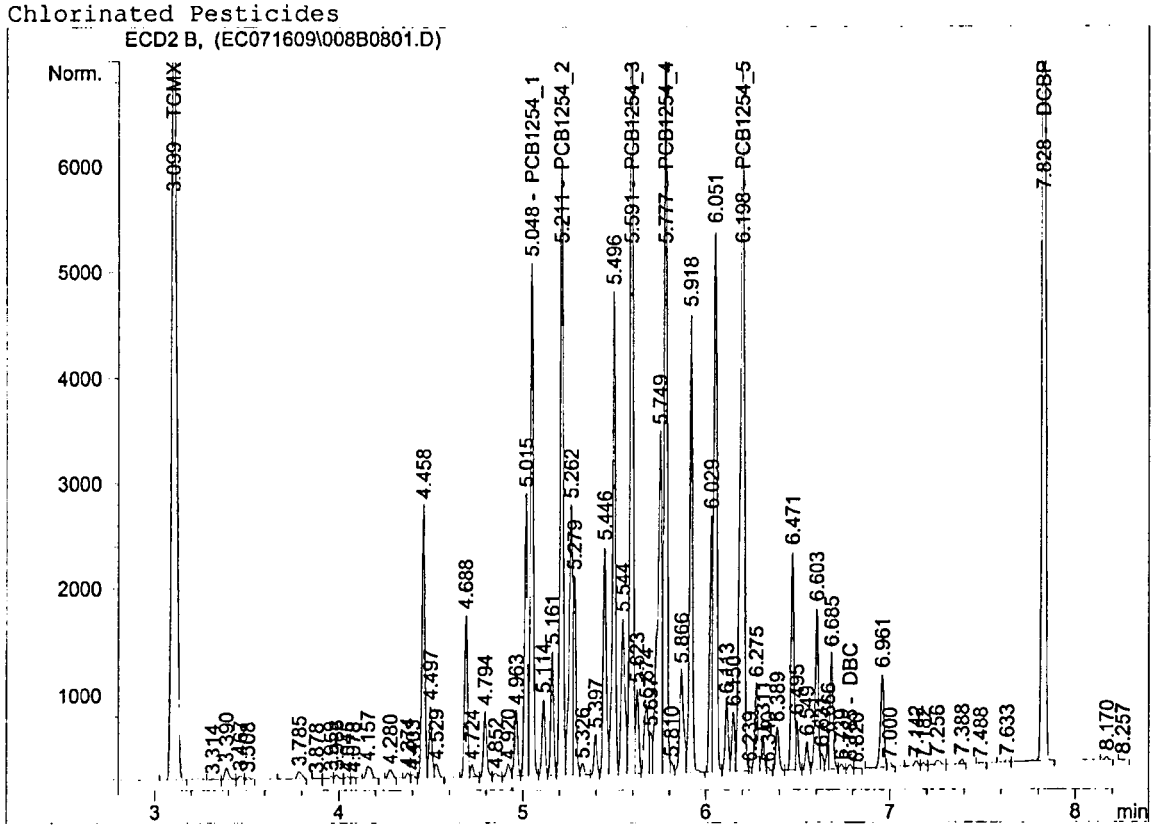
	5						

==========

Injection Date : 7/16/2009 10:10:29 AM Seq. Line : 8
Sample Name : cvs-1254-1000 Location : Vial 8
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	BB	1.51644e4	7.15491e-3	108.50007		TCMX
5.048	VV	5758.47803	1.88509e-1	1085.52556		PCB1254_1
5.211	VV	6594.60449	1.78803e-1	1179.13769		PCB1254_2
5.591	VV	9786.60254	1.11949e-1	1095.59570		PCB1254_3
5.777	VV	7895.86865	1.39514e-1	1101.58099		PCB1254_4
6.198	VV	1.03234e4	1.12927e-1	1165.79142		PCB1254_5
6.785	VV	45.08153	0.00000	0.00000		DBC
7.828	VB	1.53382e4	7.10511e-3	108.97970		DCBP

Totals : 5845.11114

BWS
7.16.09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 16-Jul-09 10:23
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1016	1	3.46607	3.43607	3.49607	1012.497512	994.390019	0.561
	2	3.78653	3.75653	3.81653	924.9455562		
	3	4.17168	4.14168	4.20168	1039.290358		
	4	4.28596	4.25596	4.31596	999.2184834		
	5	4.68817	4.65817	4.71817	995.9981856		
Aroclor 1260	1	5.74913	5.71913	5.77913	1028.123328	1037.716668	-3.77
	2	5.91803	5.88803	5.94803	1027.895828		
	3	6.19714	6.16714	6.22714	1048.436475		
	4	6.68585	6.65585	6.71585	1042.078472		
	5	6.96031	6.93031	6.99031	1042.049235		
	1						
	2						
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	4						
	5						
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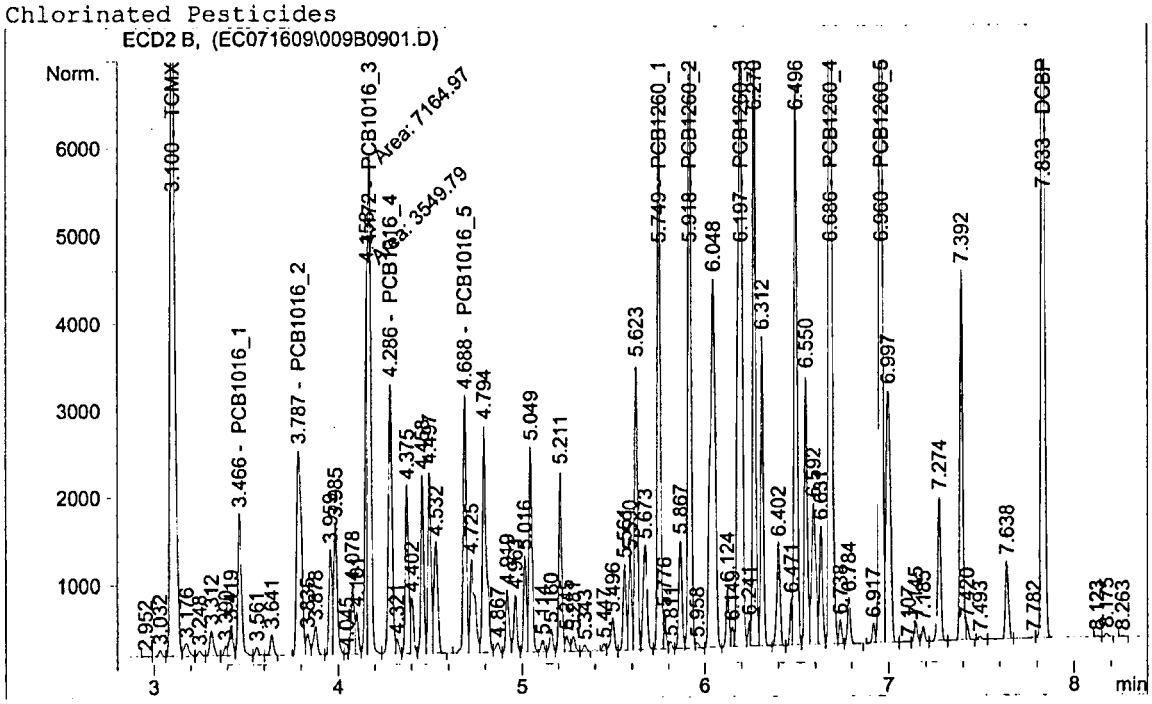
Injection Date : 7/16/2009 10:23:17 AM Seq. Line : 9
Sample Name : cvs-PCB-1000 Location : Vial 9
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

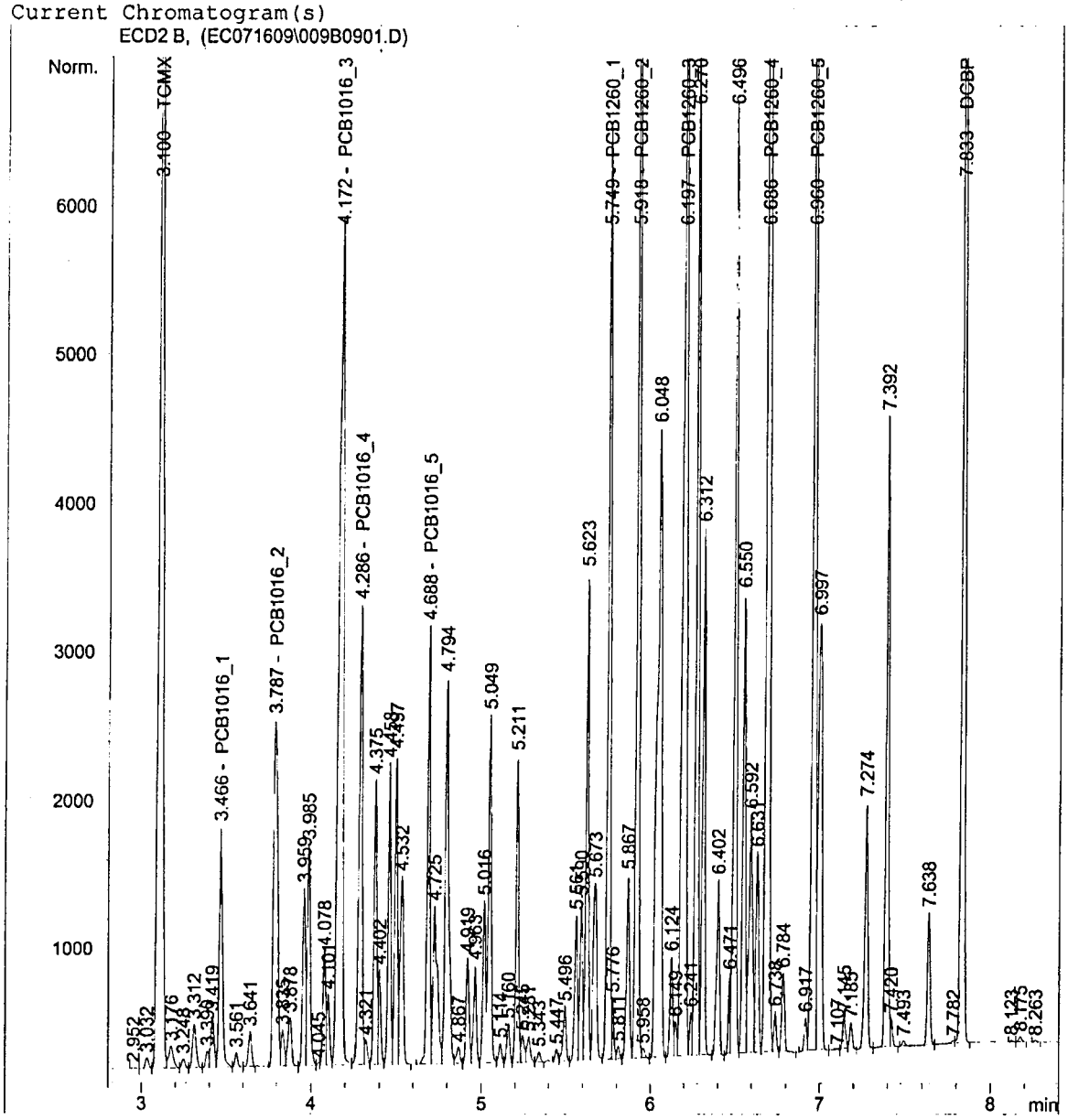
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	VV	1.43255e4	6.97185e-3	99.87522		TCMX
3.466	VV	2248.81470	4.50236e-1	1012.49751		PCB1016_1
3.787	VV	4260.46045	2.17100e-1	924.94556		PCB1016_2
4.172	FM	7164.96680	1.45052e-1	1039.29036		PCB1016_3
4.286	VV	4169.20459	2.39666e-1	999.21848		PCB1016_4
4.688	VV	3321.78931	2.99838e-1	995.99819		PCB1016_5
5.749	VV	6866.72510	1.49725e-1	1028.12333		PCB1260_1
5.918	VV	9640.59961	1.06622e-1	1027.89583		PCB1260_2
6.197	VV	1.22630e4	8.54959e-2	1048.43647		PCB1260_3
6.686	VV	1.87801e4	5.54884e-2	1042.07847		PCB1260_4
6.891		-	-	-		DBC
6.960	VV	1.21200e4	8.59778e-2	1042.04924		PCB1260_5
7.833	VB	1.45897e4	7.00905e-3	102.25968		DCBP

Totals : 1.03627e4

BWS
7.16.09

Print of all graphic windows
Current Chromatogram(s)
ECD2 B, (EC071609\009B0901.D)



7.16.09

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 16-Jul-09 12:19
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1254	1	5.04768	5.01768	5.07768	964.7959107	965.5775092	3.44
	2	5.20996	5.17996	5.23996	1016.59883		
	3	5.59016	5.56016	5.62016	952.644376		
	4	5.77688	5.74688	5.80688	913.1554379		
	5	6.1982	6.1682	6.2282	980.6929909		
	1						
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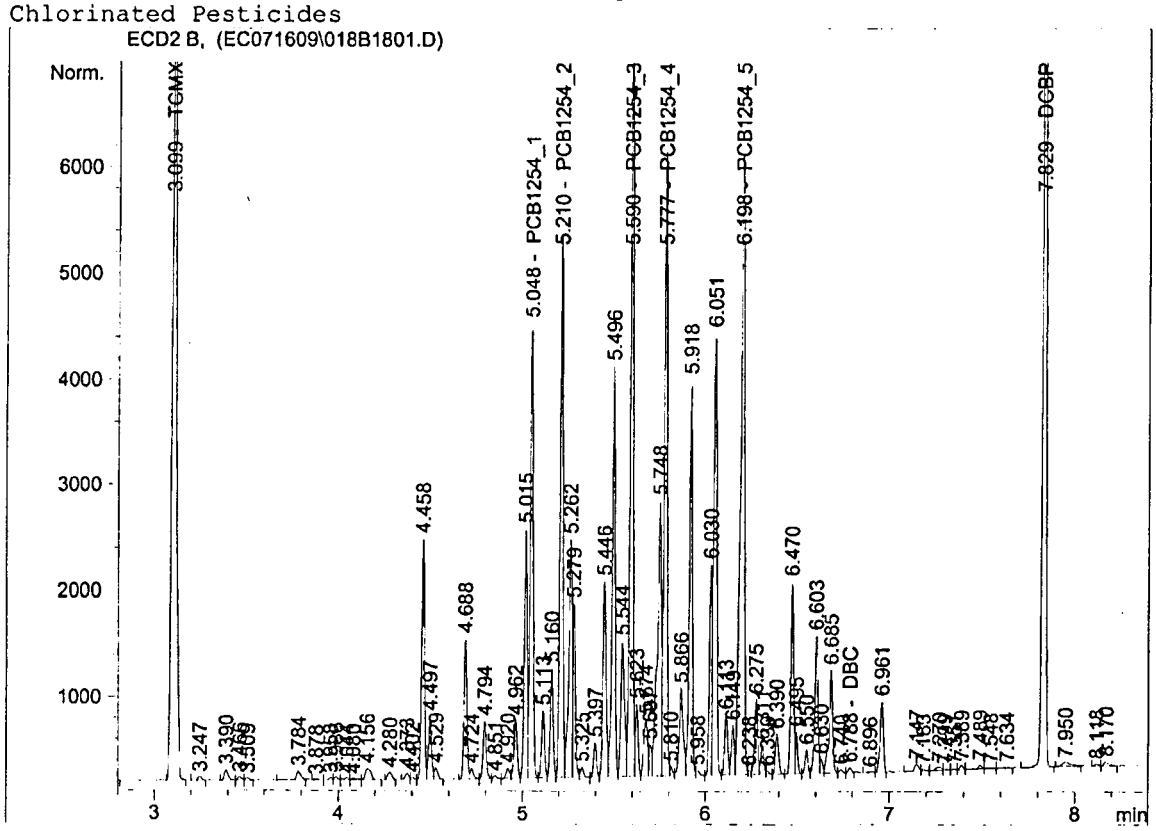
==================================================================
Injection Date  : 7/16/2009 12:19:16 PM          Seq. Line :  18
Sample Name     : cvs-1254-1000                   Location : Vial 18
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                           Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	PB	1.33698e4	7.17802e-3	95.96869		TCMX
5.048	VV	5110.66895	1.88781e-1	964.79591		PCB1254_1
5.210	VV	5696.99316	1.78445e-1	1016.59883		PCB1254_2
5.590	VV	8484.55762	1.12280e-1	952.64438		PCB1254_3
5.777	VV	6526.87744	1.39907e-1	913.15544		PCB1254_4
6.198	VV	8677.66211	1.13014e-1	980.69299		PCB1254_5
6.788	VV	66.58573	0.00000	0.00000		DBC
7.829	VB	1.37006e4	7.12261e-3	97.58410		DCBP

Totals : 5021.44033

BWS
7.16.09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 16-Jul-09 12:31
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1016	1	3.46608	3.43608	3.49608	1081.985157	1083.74435	-8.37
	2	3.78594	3.75594	3.81594	1047.980344		
	3	4.17112	4.14112	4.20112	1141.509282		
	4	4.28527	4.25527	4.31527	1066.697056		
	5	4.68757	4.65757	4.71757	1080.549913		
Aroclor 1260	1	5.74829	5.71829	5.77829	1109.051279	1124.425455	-12.4
	2	5.91772	5.88772	5.94772	1115.186261		
	3	6.19586	6.16586	6.22586	1121.464829		
	4	6.68408	6.65408	6.71408	1138.385307		
	5	6.95715	6.92715	6.98715	1138.039597		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
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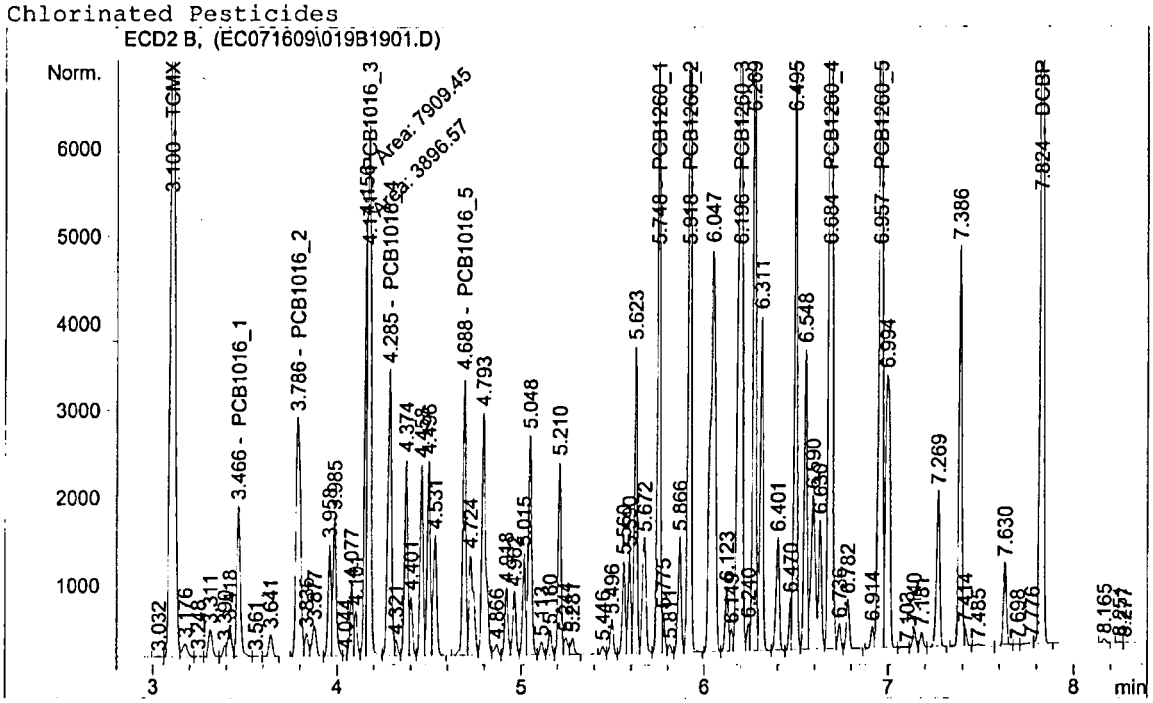
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

```
==================================================================
Injection Date  : 7/16/2009 12:31:47 PM          Seq. Line :  19
Sample Name     : cvs-PCB-1000                    Location : Vial 19
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                           Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

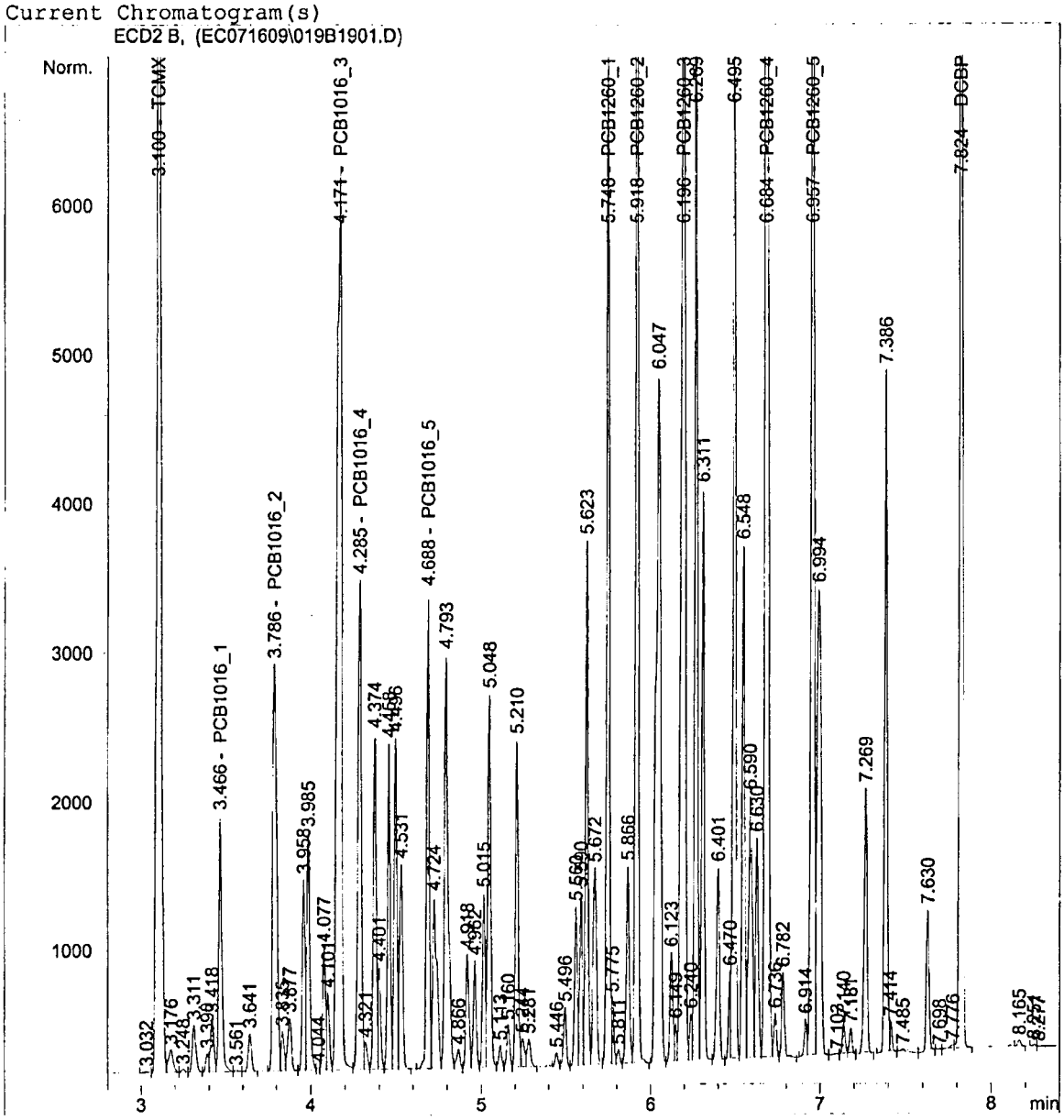
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	VV	1.53068e4	6.95894e-3	106.51909		TCMX
3.466	VV	2403.27539	4.50213e-1	1081.98516		PCB1016_1
3.786	VV	4834.04883	2.16791e-1	1047.98034		PCB1016_2
4.171	FM	7909.45068	1.44322e-1	1141.50928		PCB1016_3
4.285	VV	4454.00098	2.39492e-1	1066.69706		PCB1016_4
4.688	VV	3608.09961	2.99479e-1	1080.54991		PCB1016_5
5.748	VV	7415.53076	1.49558e-1	1109.05128		PCB1260_1
5.918	VB	1.04749e4	1.06463e-1	1115.18626		PCB1260_2
6.196	VV	1.31422e4	8.53333e-2	1121.46483		PCB1260_3
6.684	VV	2.05656e4	5.53539e-2	1138.38531		PCB1260_4
6.891		-	-	-		DBC
6.957	VV	1.32662e4	8.57851e-2	1138.03960		PCB1260_5
7.824	VB	1.60217e4	6.99437e-3	112.06168		DCBP

Totals : 1.12594e4

BWS
7.16.09

Print of all graphic windows
Current Chromatogram(s)

ECD2 B, (EC071609\019B1901.D)



BWS
7.16.09

8082 QC, Blanks Raw Data

Paradigm Analytical Laboratories, INC.

4C

8082 METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB14646

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: PB14646 Extraction: (Type) 3541

Matrix: (soil/water) SOIL Date Extracted: 2009-07-15

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID
01	GYD-CS-10	G368-73-1G
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
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28		
29		
30		
31		
32		
33		

COMMENTS: _____

Results for PCBs
by EPA 8082

Client Sample ID:	Method Blank	Analyzed By:	BWS
Client Project ID:		Date Collected:	
Lab Sample ID:	PB14646	Date Received:	
Lab Project ID:		Date Extracted:	7/15/2009
Initial Wt/Vol:	32.0 g	Matrix:	SOIL
Final Volume:	10 mL	%SOLIDS:	100.0
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	31.2	1.78	1	07/16/09	
Aroclor-1221	BQL	31.2	7.78	1	07/16/09	
Aroclor-1232	BQL	31.2	4.31	1	07/16/09	
Aroclor-1242	BQL	31.2	2.85	1	07/16/09	
Aroclor-1248	BQL	31.2	1.39	1	07/16/09	
Aroclor-1254	BQL	31.2	9.22	1	07/16/09	
Aroclor-1260	BQL	31.2	2.58	1	07/16/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	86.0	86.0
DCBP	100	94.6	94.6

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

QC Results for PCBs
by EPA 8082

Client Sample ID: Batch QC
Lab Sample ID: G185-419-1K
MS Lab ID: G185-419-1L
MSD Lab ID: G185-419-1M

Analyzed By: BWS
Matrix: SOIL
Solids: 80.1

Matrix Spike / Matrix Spike Duplicate Summary Results

Analyte	Sample ug/KG	Spiked ug/KG	MS ug/KG	%REC (Limit 40.8-116	Spiked ug/KG	MSD ug/KG	%REC (Limit 40.8-116)	RPD (Limit 24.7)
Aroclor-1254	BQL	358	355	99.2	374	354	94.6	4.75

Surrogate Standards	Spike Added	Result ug/L	REC %		Result ug/L	REC %	Limits
TCMX	100	78	78		80.7	80.7	40 - 120
DCBP	100	78.4	78.4		81.6	82	40 - 120

Sample Preparation and Analysis Summary

Sample Analysis Date/Time: 7/16/09 12:58
Batch/Filename: 020B0101.D 020B0101.D
MS Analysis Date/Time: 7/16/09 13:10
MS Batch/Filename: EC071609 021B0201.D
MSD Analysis Date/Time: 7/16/09 13:23
MSD Batch/Filename: EC071609 022B0301.D

Prep Batch ID: 14646
Extraction Date: 07/15/09
Prep method: 3541
Sample Initial Amount: 32.05 G
MS Initial Amount: 34.90 G
MSD Initial Amount: 33.35 G
Final Extract Volume: 10.0 ML

Laboratory Control Spike Summary Results

Analyte	Spiked ug/KG	Result ug/KG	REC %		Limits Lower	Limits Upper
Aroclor-1254	313	354	113	#	75	107

Surrogate Standards	Spike Added	Result ug/L	REC %	Limits Lower	Limits Upper
TCMX	100	100	100	40	120
DCBP	100	104	104	40	120

Preparation and Analysis Summary

LCS Labid: LCS14646
LCS Analyst: BWS
Analysis Date/Time: 7/16/09 11:14
Filename: 013B1301.D
Analytical Batch: EC071609

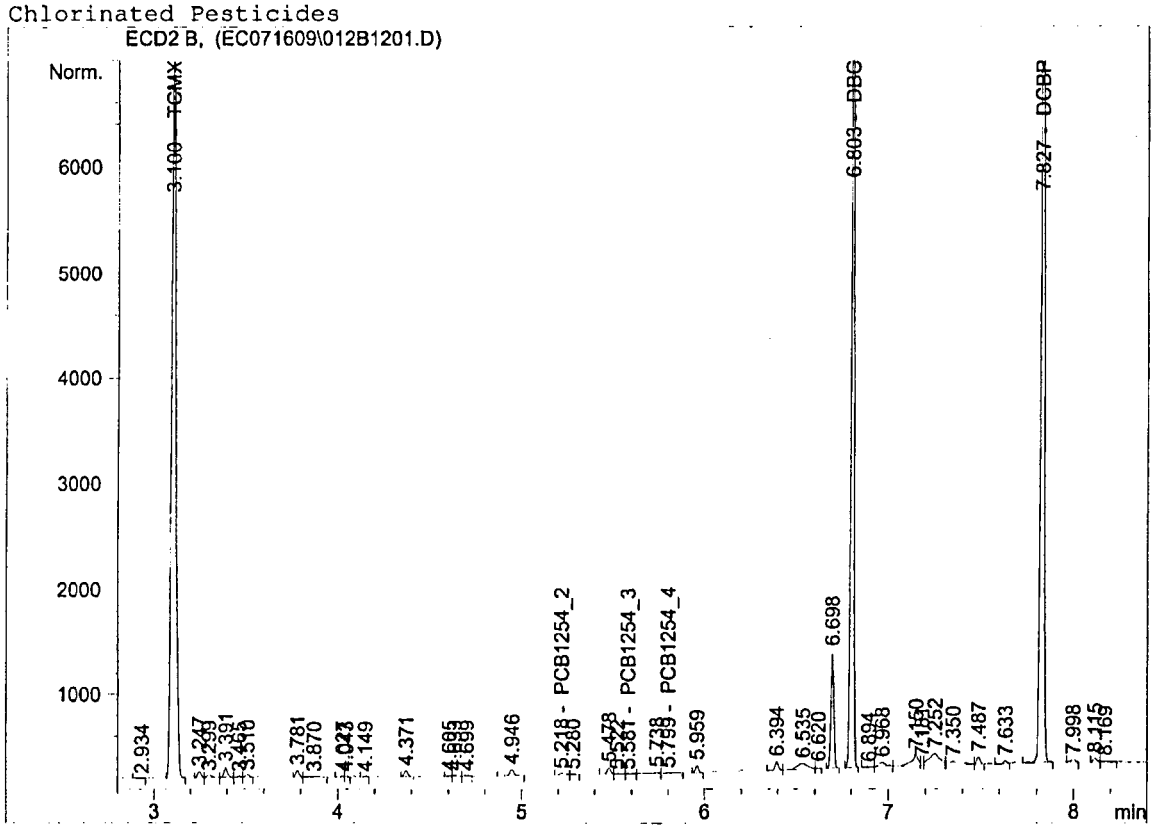
Prep Batch ID: 14646
Extraction Date: 07/15/09
Prep method: 3541
Initial Weight / Volume: 32.0 G
Final Extract Volume: 10.0 ML

Comments:

= Outside Control Limits
LCS exceeds in-house control limits, but meets method specified limits of 70-130.

Reviewed by: CBA

```
==================================================================
Injection Date  : 7/16/2009 11:01:58 AM          Seq. Line :  12
Sample Name     : PB14646 x1                      Location : Vial 12
Acq. Operator   : BWS                                  Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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                      External Standard Report
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Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

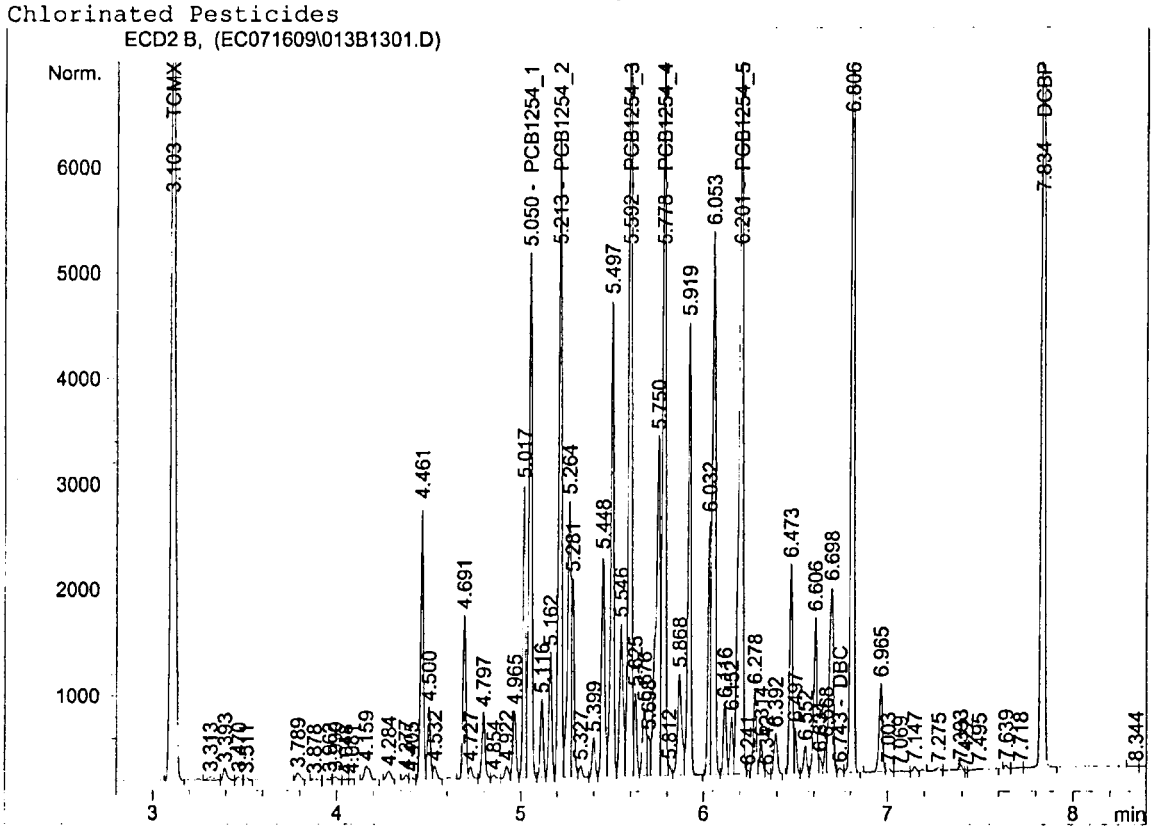
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	PB	1.19486e4	7.20125e-3	86.04453	✓	TCMX
5.059		-	-	-		PCB1254_1
5.218	BV	38.89265	0.00000	0.00000		PCB1254_2
5.581	VP	12.53571	1.79506	22.50230		PCB1254_3
5.799	VB	11.75897	1.39688	16.42592		PCB1254_4
6.208		-	-	-		PCB1254_5
6.803	BV	9178.99609	0.00000	0.00000		DBC
7.827	VB	1.32659e4	7.12799e-3	94.55932	✓	DCBP

Totals : 219.53207

BWS 7-16-09

```
==================================================================
Injection Date  : 7/16/2009 11:14:56 AM          Seq. Line :  13
Sample Name     : LCS14646 x1                     Location : Vial 13
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                           Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.103	VB	1.39642e4	7.16971e-3	100.11938		TCMX
5.050	VV	5876.24512	1.88466e-1	1107.47335		PCB1254_1
5.213	VV	6765.25244	1.78861e-1	1210.03851		PCB1254_2
5.592	VV	9731.95703	1.11961e-1	1089.59618		PCB1254_3
5.778	VV	7853.98535	1.39524e-1	1095.81625		PCB1254_4
6.201	VV	1.02130e4	1.12932e-1	1153.37046		PCB1254_5
6.743	VV	59.36626	0.00000	0.00000		DBC
7.834	VB	1.46054e4	7.11246e-3	103.88019		DCBP

Totals : 5860.29431

BWS 7-16-09

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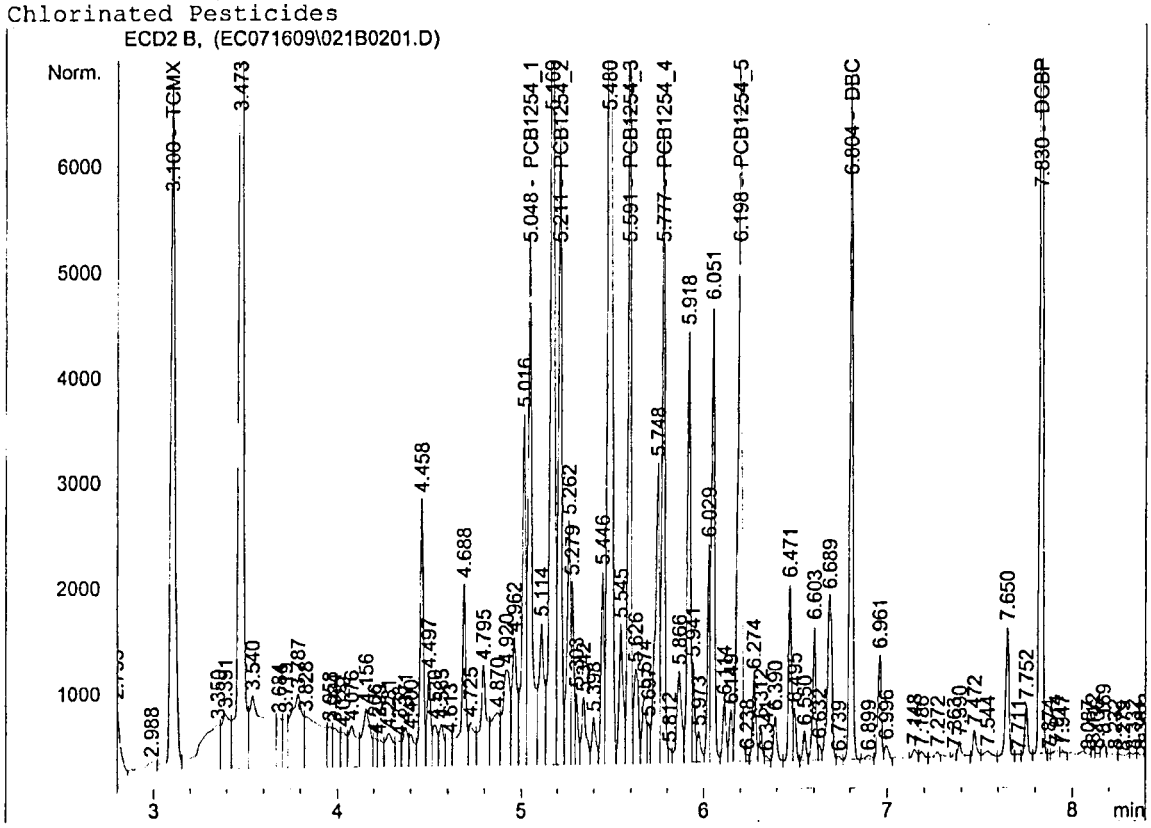
Injection Date : 7/16/2009 1:10:55 PM Seq. Line : 2
Sample Name : 632281 MS x1 Location : Vial 21
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

G185-419-1L
MS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	VV	1.08015e4	7.22445e-3	78.03503	✓	TCMX
5.048	VV	7751.53271	1.87958e-1	1456.96336		~~PCB1254_1~~
5.211	VV	7384.71191	1.79047e-1	1322.20982		~~PCB1254_2~~
5.591	VV	8561.53223	1.12257e-1	961.09541		PCB1254_3
5.777	VV	6795.36279	1.39817e-1	950.10929		PCB1254_4
6.198	VV	9469.63281	1.12968e-1	1069.76712		PCB1254_5
6.804	VBA	7129.62109	0.00000	0.00000		DBC
7.830	VV	1.09470e4	7.16386e-3	78.42299	✓	DCBP

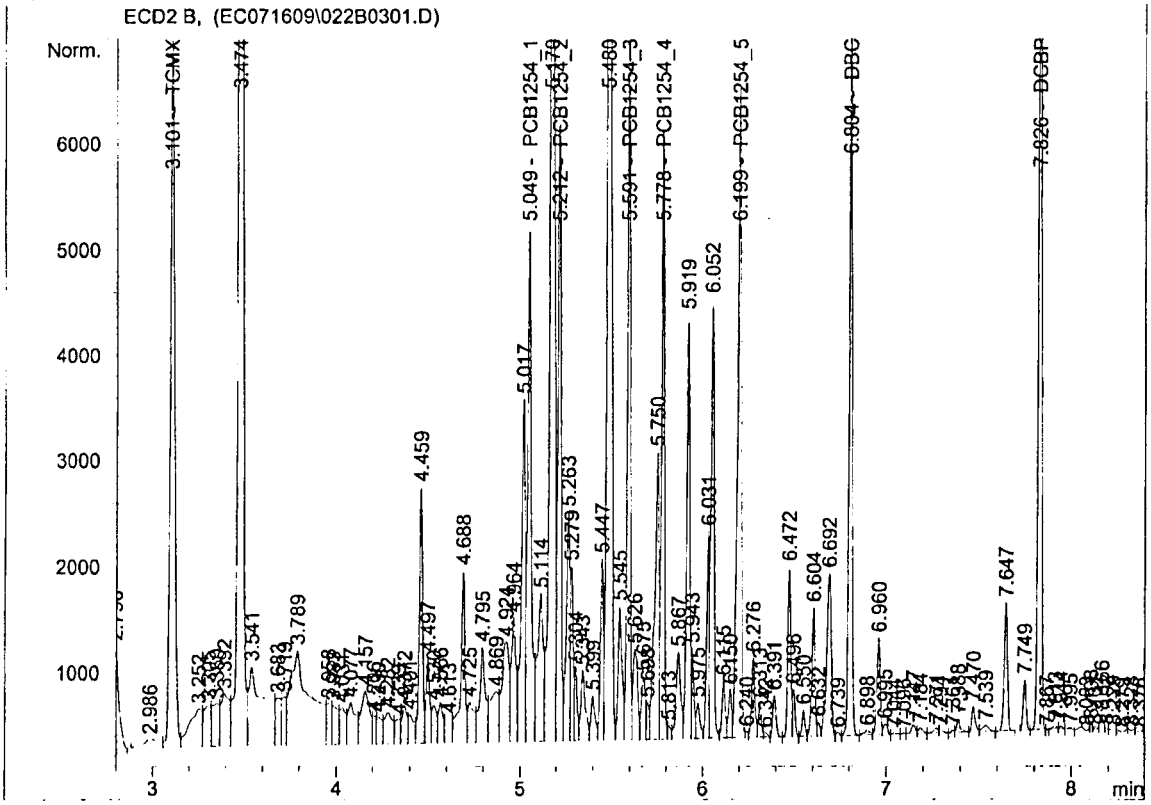
Totals : 5916.60302

3 Peaks
BWS
7-17-09

==========

Injection Date : 7/16/2009 1:23:44 PM Seq. Line : 3
Sample Name : 632282 MSD x1 Location : Vial 22
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

6185-419-1AA
MSD



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.101	VV	1.11785e4	7.21630e-3	80.66729	✓	TCMX
5.049	VV	7422.98730	1.88029e-1	1395.73364		~~PCB1254_1~~
5.212	VV	7302.49316	1.79024e-1	1307.32170		~~PCB1254_2~~
5.591	VV	8158.13721	1.12379e-1	916.80673		PCB1254_3
5.778	VV	6476.40381	1.39925e-1	906.20834		PCB1254_4
6.199	VV	9005.54395	1.12994e-1	1017.57035		PCB1254_5
6.804	VBA	7471.85400	0.00000	0.00000		DBC
7.826	VV	1.14072e4	7.15558e-3	81.62511	✓	DCBP

Totals : 5705.93315

3 Peaks
BWS
7-17-09

Paradigm Analytical Laboratories, INC.

II

SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	S1 (TCMX) #	S2 (DCBP) #	QC LIMITS	TOT OUT
01	GYD-CS-10	G368-73-1G	75.6	83.8	40 - 140	
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
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39						
40						

S1 (TCMX) = Tetrachloro-m-xylene
S2 (DBCP) = Decachlorobiphenyl

8082 Sample Raw Data

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-10	Analyzed By:	BWS
Client Project ID:	Goodyear Dump Site	Date Collected:	7/14/2009 13:28
Lab Sample ID:	G368-73-1G	Date Received:	7/15/2009
Lab Project ID:	G368-73	Date Extracted:	7/15/2009
Initial Wt/Vol:	31.65 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	72.8
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	86.8	4.95	2	07/16/09	
Aroclor-1221	BQL	86.8	21.6	2	07/16/09	
Aroclor-1232	BQL	86.8	12.0	2	07/16/09	
Aroclor-1242	BQL	86.8	7.92	2	07/16/09	
Aroclor-1248	**1270**	86.8	3.86	2	07/16/09	
Aroclor-1254	BQL	86.8	25.6	2	07/16/09	
Aroclor-1260	BQL	86.8	7.17	2	07/16/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	75.6	75.6
DCBP	100	83.8	83.8

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

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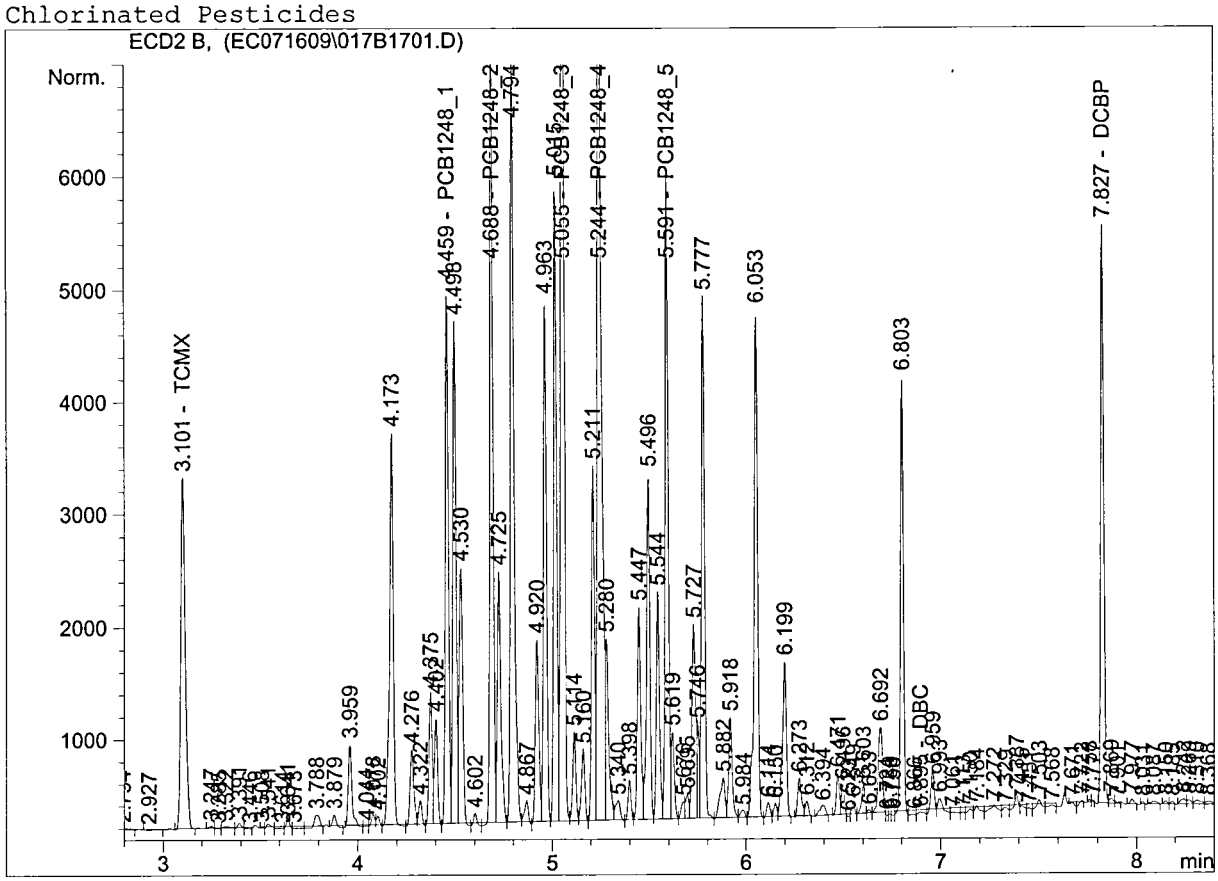
Injection Date : 7/16/2009 12:06:29 PM Seq. Line : 17
Sample Name : G368-73-1G x2 Location : Vial 17
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.101	VB	5034.24707	7.50991e-3	37.80673		TCMX
4.459	VV	5244.40967	2.32833e-1	1221.06923		PCB1248_1
4.688	VV	7641.24951	1.73740e-1	1327.58747		PCB1248_2
5.055	VV	1.26174e4	1.18761e-1	1498.44889		PCB1248_3
5.244	VV	1.26935e4	1.19129e-1	1512.16402		PCB1248_4
5.591	VV	6226.73096	2.86258e-1	1782.45304		PCB1248_5
6.895	PV N	91.70603	1.69942e-2	1.55847		DBC
7.827	PV	5695.92090	7.35813e-3	41.91133		DCBP

Totals : 7422.99917

1274.538

BWS 7.16.09

```
==================================================================
Injection Date  : 7/16/2009 11:53:31 AM          Seq. Line :  17
Sample Name     : G368-73-1G x2                   Location : Vial 17
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 7/16/2009 2:04:11 PM by BWS
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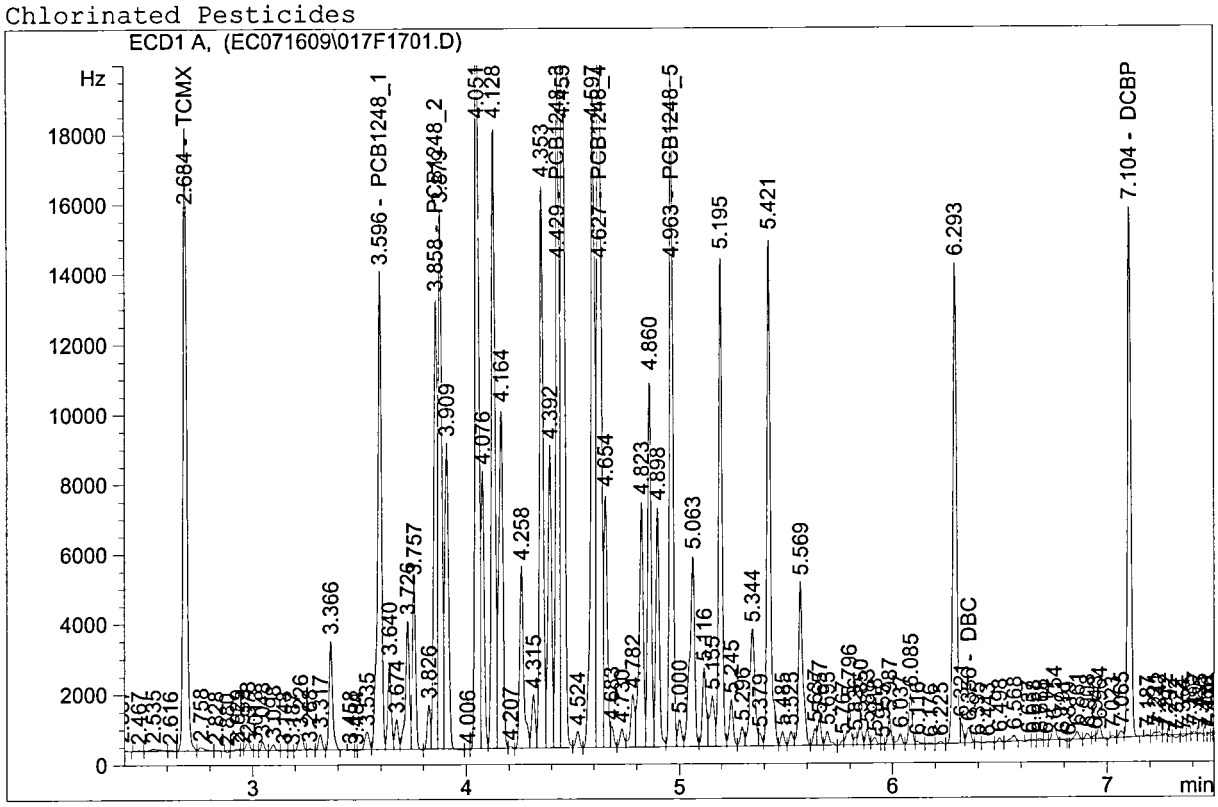
Chlorinated Pesticides

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                    External Standard Report
==================================================================
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Sorted By : Signal
Calib. Data Modified : 7/16/2009 2:04:11 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Confirmation Only

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2.09732e4	1.79312e-3	37.60751		TCMX
3.596	VV	1.68383e4	5.64727e-2	950.90640		PCB1248_1
3.858	VV	1.37666e4	6.62850e-2	912.52092		PCB1248_2
4.429	VV	2.17583e4	3.61464e-2	786.48349		PCB1248_3
4.627	VV	3.22576e4	4.57504e-2	1475.80047		PCB1248_4
4.963	VV	2.09326e4	7.53199e-2	1576.63823		PCB1248_5
6.356	VV	607.50104	2.58448e-1	157.00753		DBC
7.104	VV	1.63424e4	2.24683e-3	36.71867		DCBP

Totals : 5933.68322

BWS 7-16-09

Results obtained with enhanced integrator!

```
==================================================================
```

CASE NARRATIVE
Tetra Tech
Project: Goodyear Dump Site
SGS Laboratory Number: G368-73

DATE: July 23rd, 2009

METALS REPORT:

The sample was analyzed for Lead according to the guidelines of Method SW6010B.

The initial calibration verifications met acceptance criteria.

The continuing calibration verifications met acceptance criteria.

The initial and continuing calibration blanks met acceptance criteria.

The method blank was free of interference at the report limit.

The laboratory control sample and duplicate were acceptable.

The matrix spike and matrix spike duplicate both recovered high outside of the method's QC limit as did the %RPD. This may be a result of matrix interferences.

The interference check samples met acceptance criteria for analytes of interest.

The Quantitation Limits (RL) are adjusted for percent solids, sample volumes and dilution factors as applicable.

The sampling to digestion and digestion to analysis holding times were met for the samples.

Results for Metals

Client Sample ID:	GYD-CS-10			Analyzed By:	PSW
Client Project ID:	Goodyear Dump Site			Date Collected:	7/14/2009 13:28
Lab Sample ID:	G368-73-1			Date Received:	7/15/2009
Lab Project ID:	G368-73			Matrix:	SOIL
ICP InitWt/Vol:	0.56 g	Final Vol:	50 mL	Solids	72.78
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14642				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**71.6**	1.23	0.759	1	MG/KG	6010B	7/15/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services Initial Cal Source Environmental Express

Batch ID: 071509a OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	1000	1064	106.4	2500	2549	102.0	2500	2654	106.2	90-110
Antimony	1000	1002	100.2	500	522	104.4	500	537	107.4	90-110
Arsenic	1000	1043	104.3	500	522	104.5	500	537	107.4	90-110
Barium	1000	1010	101.0	2500	2561	102.5	2500	2569	102.8	90-110
Beryllium	1000	1014	101.4	500	512	102.5	500	503	100.6	90-110
Boron	500			500			500			90-110
Cadmium	1000	1011	101.1	500	513	102.5	500	526	105.2	90-110
Calcium	1000	1015	101.5	2500	2588	103.5	2500	2695	107.8	90-110
Chromium	1000	1025	102.5	500	506	101.2	500	510	101.9	90-110
Cobalt	1000	1055	105.5	500	524	104.8	500	526	105.3	90-110
Copper	1000	980	98.0	500	487	97.3	500	495	98.9	90-110
Iron	1000	1050	105.0	2500	2604	104.2	2500	2660	106.4	90-110
Lead	1000	1021	102.1	500	505	101.0	500	517	103.5	90-110
Magnesium	1000	1021	102.1	2500	2592	103.7	2500	2708	108.3	90-110
Manganese	1000	1036	103.6	500	511	102.1	500	519	103.9	90-110
Molybdenum	1000			500			500			90-110
Nickel	1000	1061	106.1	500	518	103.5	500	525	105.1	90-110
Potassium	1000	1044	104.4	2500	2535	101.4	2500	2634	105.3	90-110
Selenium	1000	1035	103.5	500	517	103.3	500	528	105.6	90-110
Silver	500	501	100.1	500	503	100.6	500	509	101.7	90-110
Sodium	1000	1042	104.2	2500	2521	100.9	2500	2549	101.9	90-110
Thallium	1000	1024	102.4	500	513	102.6	500	526	105.2	90-110
Tin	500			500			500			90-110
Vanadium	1000	1034	103.4	500	514	102.8	500	524	104.7	90-110
Zinc	1000	1009	100.9	500	500	100.1	500	505	100.9	90-110

Comments:

FORM IIA - METALS

Form 2B
CRDL

Lab Name: SGS Environmental Services

Batch ID: 071509a

Concentration Units: ug/L

Analyte	Initial			QC
	True	Found	%R	Limit Range
Aluminum	100	145	145	50-150
Antimony	40.0	40.7	102	50-150
Arsenic	10.0	14.5	145	50-150
Barium	100	117	117	50-150
Beryllium	10.0	9.70	97.0	50-150
Boron	10.0			50-150
Cadmium	5.00	8.10	162*	50-150
Calcium	100	194	194*	50-150
Chromium	10.0	13.9	139	50-150
Cobalt	10.0	9.92	99.2	50-150
Copper	10.0	18.9	189*	50-150
Iron	100	125	125	50-150
Lead	10.0	11.7	117	50-150
Magnesium	100	124	124	50-150
Manganese	10.0	11.1	111	50-150
Molybdenum	10.0			50-150
Nickel	10.0	10.1	101	50-150
Potassium	200	212	106	50-150
Selenium	20.0	22.4	112	50-150
Silver	10.0	11.3	113	50-150
Sodium	200	202	101	50-150
Thallium	10.0	13.3	133	50-150
Tin	10.0			50-150
Vanadium	50.0	52.7	105	50-150
Zinc	20.0	25.4	127	50-150

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 071509a OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C		C		C		
Aluminum	100	U	100	U						
Antimony	40	U	40	U						
Arsenic	10	U	10	U						
Barium	100	U	100	U						
Beryllium	10	U	10	U						
Boron										
Cadmium	10	U	10	U						
Calcium	100	U	100	U						
Chromium	10	U	10	U						
Cobalt	10	U	10	U						
Copper	10	U	10	U						
Iron	100	U	100	U						
Lead	10	U	10	U						
Magnesium	100	U	100	U						
Manganese	10	U	10	U						
Molybdenum										
Mercury										
Nickel	10	U	10	U						
Potassium	200	U	200	U						
Selenium	20	U	20	U						
Silver	10	U	10	U						
Sodium	200	U	200	U						
Thallium	10	U	10	U						
Tin										
Vanadium	50	U	50	U						
Zinc	20	U	20	U						

Comments:

FORM III - METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SGS Environmental Services ICS Source: Environmental Express

Batch ID: 071509a ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R	QC Limit Range %
Aluminum	100000	100000	100235	98196.8	98.2	107717	104245	104.2	80 - 120
Antimony	0	300	20.07	314.14	104.7	1.27	318.39	106.1	80 - 120
Arsenic	0	300	10.5	316.4	105.5	7.04	328.55	109.5	80 - 120
Barium	0	1000	12.39	1011.61	101.2	11.65	1020.47	102.0	80 - 120
Beryllium	0	300	-2.71	295.13	98.4	3.5	302.58	100.9	80 - 120
Cadmium	0	300	-0.11	288.98	96.3	0.54	298.23	99.4	80 - 120
Calcium	40000	40000	41361.1	40861.3	102.2	45141.7	43877.4	109.7	80 - 120
Chromium	0	300	6.01	295.03	98.3	6.41	305.12	101.7	80 - 120
Cobalt	0	300	-2.24	286.8	95.6	-2.2	290.81	96.9	80 - 120
Copper	0	300	9.7	301.54	100.5	10.78	309	103.0	80 - 120
Iron	100000	100000	99608.7	98694.5	98.7	106298	104977	105.0	80 - 120
Lead	0	300	1.5	286.28	95.4	-2.28	299.37	99.8	80 - 120
Magnesium	40000	40000	40578.5	39685	99.2	43723.7	42621.6	106.6	80 - 120
Manganese	0	300	0	294	98.0	0.19	300.08	100.0	80 - 120
Nickel	0	300	-0.55	282.77	94.3	0.17	290.29	96.8	80 - 120
Potassium	0	0	-4.37	-3.1	n/a	-7.08	18.1	n/a	80 - 120
Selenium	0	300	27.06	324.02	108.0	29.39	343.28	114.4	80 - 120
Silver	0	300	1.96	294.21	98.1	1.62	299.42	99.8	80 - 120
Sodium	0	0	-5.93	-6.73	n/a	-11.36	-13.72	n/a	80 - 120
Thallium	0	300	0.85	304.49	101.5	6.14	310.49	103.5	80 - 120
Vanadium	0	300	-0.9	299.64	99.9	1.16	309.02	103.0	80 - 120
Zinc	0	300	4.09	297.41	99.1	3.45	301.55	100.5	80 - 120

FORM IV - METALS

Results for Metals

Client Sample ID:	Lab Blank			Analyzed By:	PSW
Client Project ID:				Date Collected:	
Lab Sample ID:	pb14642			Date Received:	
Lab Project ID:				Matrix:	SOIL
ICP InitWt/Vol:	0.54 g	Final Vol:	50 mL	Solids	100.00
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14642				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	0.926	0.573	1	MG/KG	6010B	7/15/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

METALS Results for LCS/LCD

ICP Batch: 14642
HG Batch:
Other:

Matrix: SOIL
Units: MG/KG

Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	40.0	40.1	100		38.7	96.8		80	120	3.55		20

Reviewed By: _____

MS/MSD Results for METALS

Lab ID: G368-73-1
MS Lab ID: G368-73-1
MSD Lab ID: G368-73-1
ICP Batch: 14642
HG Batch:
Other:

Analyzed By: PSW
Matrix: Soil
Units: MG/KG
Solids: 72.78

Analyte	Sample Result	SA MS	MS Result	MS %REC		SA MSD	MSD Result	MSD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	71.6	55.0	172	182.678	*	47.4	93.5	46.2	*	75	125	59.134	*	20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

10 - MOD
Instrument Detection Limits

Lab Name: SGS Environmental Services

Instrument ID: ICP Date: 09/04/08

Analyte	Wavelength (nm)	CRDL ug/L	IDL ug/L	Method
Aluminum	308.214	100	59.3	6010B
Antimony	206.833	60	2.98	6010B
Arsenic	188.978	10	4.87	6010B
Barium	233.523	100	1.82	6010B
Beryllium	313.100	10	7.12	6010B
Cadmium	214.437	10	0.819	6010B
Calcium	317.931	100	8.44	6010B
Chromium	267.708	10	1.32	6010B
Cobalt	228.615	10	2.22	6010B
Copper	324.754	10	0.762	6010B
Iron	259.936	100	47.8	6010B
Lead	220.352	10	4.74	6010B
Magnesium	279.073	100	35.4	6010B
Manganese	257.609	10	0.725	6010B
Mercury	253.700	0.2		7470
Nickel	231.602	10	3.72	6010B
Potassium	766.429	100	18.1	6010B
Selenium	196.028	20	5.72	6010B
Silver	328.071	10	0.525	6010B
Sodium	589.550	200	5.79	6010B
Thallium	190.796	10	9.18	6010B
Vanadium	292.399	50	4.04	6010B
Zinc	213.859	20	1.74	6010B

FORM X - METALS

Prep Report for Batch 14642 (METALS/3050/SOIL) on 2009-07-15 by crn

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time	Balance
G368-73-1C (632131)		0.56			50	R-1703	R-1700		HB2	1330	pb3002-sb
G368-73-1D (632132)	ms	0.50	0623-752,0709-753,06	.5,.5,.25	50	R-1703	R-1700		HB2	1330	pb3002-sb
G368-73-1E (632133)	msd	0.58	0623-752,0709-753,06	.5,.5,.25	50	R-1703	R-1700		HB2	1330	pb3002-sb
G368-73-1F (632134)	dup	0.59			50	R-1703	R-1700		HB2	1330	pb3002-sb
lcd14642	lcd	0.54	0623-752,0709-753,06	.5,.5,.25	50	R-1703	R-1700		HB2	1330	pb3002-sb
lcs14642	lcs	0.50	0623-752,0709-753,06	.5,.5,.25	50	R-1703	R-1700		HB2	1330	pb3002-sb
pb14642	pb	0.54			50	R-1703	R-1700		HB2	1330	pb3002-sb

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 071509a

Case No: G368-73

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/15/2009 End Date: 7/15/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
1	CalBlank	1	16:25		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2	Std3-	1	16:32		X	X	X	X	X		X	X		X					X	
3	Std4-	1	16:36							X			X					X		
4	Std5-	1	16:40												X	X	X			
5	Std2-	1	16:43		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6	Std1-	1	16:49		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7	icv	1	16:56		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8	icsA1	1	17:03		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
9	icsB1	1	17:10		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10	lowstd	1	17:17		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11	ccv1	1	17:23		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12	ccb1	1	17:30		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13	pb14642	1	17:37		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14	lcs14642	1	17:44		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15	lcd14642	1	17:51		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16	**GYD-CS-10**	1	17:58		X	X	X	X	X	X		X	X	X	X	X	X	X		
17	**GYD-CS-10**	1	18:04		X	X	X	X	X	X			X	X	X	X	X	X		
18	**GYD-CS-10**	1	18:11		X	X	X	X	X	X		X	X	X	X	X	X	X		
19	**GYD-CS-10**	1	18:18		X	X	X	X	X	X		X	X	X	X	X	X	X		
20	**GYD-CS-10**	5	18:25		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21	icsA2	1	18:32		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22	icsB2	1	18:39		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23	ccv2	1	18:45		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
24	ccb2	1	18:52		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Analytical Sequence

Method : TALmethod_new

CN
071509a

Seq.	Loc.	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3- High	Applied
3	5	Std4- High	Applied
4	6	Std5- High	Applied
5	3	Std2- Mid	Applied
6	2	Std1- Low	Applied
7	7	icv	Analyzed
8	8	icsA1	Analyzed
9	9	icsB1	Analyzed
10	2	lowstd	Analyzed
11	3	ccv1	Analyzed
12	1	ccb1	Analyzed
13	100	pb14642	Analyzed
14	101	lcs14642	Analyzed
15	102	lcd14642	Analyzed
16	103	G368-73-1C	Analyzed
17	104	G368-73-1D ms	Analyzed
18	105	G368-73-1E msd	Analyzed
19	106	G368-73-1F dup	Analyzed
20	107	G368-73-1F dup SDx5	Analyzed
21	8	icsA2	Analyzed
22	9	icsB2	Analyzed
23	3	ccv2	Analyzed
24	1	ccb2	Analyzed

7/16/09

==========

Analysis Begun

Start Time: 7/15/2009 04:25:08 PM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 7/15/2009 08:05:17 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\071509a.sif
Batch ID:
Results Data Set: 071509a
Results Library: C:\pe\Anyone\Results\Results.mdb

==========

Method Loaded
Method Name: TALmethod_new
IEC File: 091406.iec
Method Description: TAL with interference correction

Method Last Saved: 4/14/2009 04:46:02 PM
MSF File:

==========

Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/15/2009 04:25:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	301.8	14.12	4.68%	[0.00]	mg/L
Tl 191	-726.8	25.00	3.44%	[0.00]	mg/L
Se 196	-134.3	3.10	2.31%	[0.00]	mg/L
Sb 207	679.8	10.47	1.54%	[0.00]	mg/L
Zn 214	-2107.9	50.91	2.42%	[0.00]	mg/L
Cd 214	4075.9	300.02	7.36%	[0.00]	mg/L
Pb 220	1069.5	23.37	2.18%	[0.00]	mg/L
Co 229	-1864.8	32.43	1.74%	[0.00]	mg/L
Ni 232	1072.0	110.60	10.32%	[0.00]	mg/L
Ba 234	-2704.3	250.65	9.27%	[0.00]	mg/L
Mn 258	5166.7	532.16	10.30%	[0.00]	mg/L
Fe 260	6879.7	607.28	8.83%	[0.00]	mg/L
Cr 268	1991.7	68.46	3.44%	[0.00]	mg/L
Mg 279	-434.7	5.50	1.27%	[0.00]	mg/L
V 292	8919.3	205.38	2.30%	[0.00]	mg/L
Al 308	1515.9	216.31	14.27%	[0.00]	mg/L
Be 313	1032.4	132.70	12.85%	[0.00]	mg/L
Ca 318	2461.7	258.67	10.51%	[0.00]	mg/L
Cu 325	34925.4	410.76	1.18%	[0.00]	mg/L
Ag 328	-1609.7	34.94	2.17%	[0.00]	mg/L
Na 590	4079.2	388.17	9.52%	[0.00]	mg/L
K 766	724.9	48.11	6.64%	[0.00]	mg/L

==========

Sequence No.: 2
Sample ID: Std3- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/15/2009 04:32:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3- High

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std3- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	18550.6	16.04	0.09%	[1]	mg/L
Se 196	14760.7	79.89	0.54%	[1]	mg/L
Zn 214	546098.1	4139.05	0.76%	[1]	mg/L
Cd 214	816591.8	542.71	0.07%	[1]	mg/L
Pb 220	44858.2	173.97	0.39%	[1]	mg/L
Ba 234	4151825.9	25290.37	0.61%	[5]	mg/L
Cr 268	605865.9	4863.13	0.80%	[1]	mg/L
Be 313	151911.8	2123.14	1.40%	[1]	mg/L
Cu 325	1287864.0	3462.61	0.27%	[1]	mg/L

==========

Sequence No.: 3 **Autosampler Location: 5**
Sample ID: Std4- High **Date Collected: 7/15/2009 04:36:15 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: Std4- High

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std4- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Co 229	254686.9	2524.62	0.99%	[1]	mg/L
Ni 232	247916.7	2917.75	1.18%	[1]	mg/L
Mn 258	3915921.3	6494.39	0.17%	[1]	mg/L
Fe 260	456178.8	1821.85	0.40%	[5]	mg/L
Mg 279	43233.3	600.78	1.39%	[5]	mg/L
V 292	405825.8	2132.94	0.53%	[1]	mg/L
Al 308	83926.1	56.01	0.07%	[5]	mg/L
Ca 318	416176.2	5978.06	1.44%	[5]	mg/L
Na 590	712502.9	13039.46	1.83%	[5]	mg/L
K 766	186712.8	1438.18	0.77%	[5]	mg/L

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Sequence No.: 4 **Autosampler Location: 6**
Sample ID: Std5- High **Date Collected: 7/15/2009 04:40:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: Std5- High

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std5- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Tl 191	21016.6	266.28	1.27%	[1]	mg/L
Sb 207	24963.3	67.85	0.27%	[1]	mg/L
Ag 328	880332.0	1818.43	0.21%	[1]	mg/L

==========

Sequence No.: 5 **Autosampler Location: 3**
Sample ID: Std2- Mid **Date Collected: 7/15/2009 04:43:04 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: Std2- Mid

Analyte	Back Pressure	Flow
All	257.0 kPa	0.70 L/min

Mean Data: Std2- Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	9147.6	43.46	0.48%	[0.5]	mg/L
Tl 191	10331.0	22.16	0.21%	[0.5]	mg/L
Se 196	7219.2	19.16	0.27%	[0.5]	mg/L
Sb 207	12977.0	81.65	0.63%	[0.5]	mg/L
Zn 214	265093.4	1592.36	0.60%	[0.5]	mg/L
Cd 214	396998.7	1292.02	0.33%	[0.5]	mg/L
Pb 220	21505.0	33.62	0.16%	[0.5]	mg/L
Co 229	128680.1	51.87	0.04%	[0.5]	mg/L
Ni 232	125909.2	704.74	0.56%	[0.5]	mg/L
Ba 234	2017050.0	32186.29	1.60%	[2.5]	mg/L
Mn 258	1945803.4	6496.56	0.33%	[0.5]	mg/L
Fe 260	225228.1	910.93	0.40%	[2.5]	mg/L
Cr 268	292187.1	342.30	0.12%	[0.5]	mg/L
Mg 279	21805.2	396.91	1.82%	[2.5]	mg/L
V 292	201993.9	821.52	0.41%	[0.5]	mg/L
Al 308	41631.4	68.46	0.16%	[2.5]	mg/L
Be 313	72624.8	928.98	1.28%	[0.5]	mg/L
Ca 318	207664.5	2633.07	1.27%	[2.5]	mg/L
Cu 325	594976.9	9065.58	1.52%	[0.5]	mg/L
Ag 328	432338.7	3506.80	0.81%	[0.5]	mg/L
Na 590	352458.0	2118.44	0.60%	[2.5]	mg/L
K 766	91534.9	415.25	0.45%	[2.5]	mg/L

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Sequence No.: 6
Sample ID: Std1- Low
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/15/2009 04:49:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std1- Low

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: Std1- Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	164.8	25.92	15.73%	[0.01]	mg/L
Tl 191	132.5	72.17	54.46%	[0.01]	mg/L
Se 196	347.5	16.93	4.87%	[0.02]	mg/L
Sb 207	1147.2	15.65	1.36%	[0.04]	mg/L
Zn 214	12291.8	398.09	3.24%	[0.02]	mg/L
Cd 214	3969.5	63.49	1.60%	[0.005]	mg/L
Pb 220	439.9	147.79	33.60%	[0.01]	mg/L
Co 229	2605.9	252.90	9.70%	[0.01]	mg/L
Ni 232	2846.2	96.94	3.41%	[0.01]	mg/L
Ba 234	86054.8	100.83	0.12%	[0.1]	mg/L
Mn 258	38792.2	1016.28	2.62%	[0.01]	mg/L
Fe 260	9876.5	0.00	0.00%	[0.1]	mg/L
Cr 268	5665.5	545.21	9.62%	[0.01]	mg/L
Mg 279	1105.1	118.81	10.75%	[0.1]	mg/L
V 292	22375.4	301.66	1.35%	[0.05]	mg/L
Al 308	1504.5	142.39	9.46%	[0.1]	mg/L
Be 313	1688.8	398.09	23.57%	[0.01]	mg/L
Ca 318	19238.7	199.40	1.04%	[0.1]	mg/L
Cu 325	14183.7	695.35	4.90%	[0.01]	mg/L
Ag 328	8605.7	312.70	3.63%	[0.01]	mg/L
Na 590	28318.4	440.44	1.56%	[0.2]	mg/L
K 766	7341.5	60.54	0.82%	[0.2]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
As 189	3	Lin, Calc Int	-32.7	18540	0.00000	0.999976	
Tl 191	3	Lin, Calc Int	-67.5	21030	0.00000	0.999965	
Se 196	3	Lin, Calc Int	-5.7	14700	0.00000	0.999919	

Sb 207	3	Lin, Calc Int	157.7	24970	0.00000	0.999801
Zn 214	3	Lin, Calc Int	-828.7	543900	0.00000	0.999871
Cd 214	3	Lin, Calc Int	-2106.6	814600	0.00000	0.999898
Pb 220	3	Lin, Calc Int	-172.1	44700	0.00000	0.999772
Co 229	3	Lin, Calc Int	270.1	254900	0.00000	0.999986
Ni 232	3	Lin, Calc Int	521.7	248100	0.00000	0.999969
Ba 234	3	Lin, Calc Int	-9357.9	827900	0.00000	0.999887
Mn 258	3	Lin, Calc Int	-2379.3	3914000	0.00000	0.999995
Fe 260	3	Lin, Calc Int	-180.0	91050	0.00000	0.999975
Cr 268	3	Lin, Calc Int	-2134.2	604100	0.00000	0.999834
Mg 279	3	Lin, Calc Int	143.4	8628	0.00000	0.999984
V 292	3	Lin, Calc Int	770.8	404600	0.00000	0.999982
Al 308	3	Lin, Calc Int	-139.3	16790	0.00000	0.999992
Be 313	3	Lin, Calc Int	-529.2	151200	0.00000	0.999733
Ca 318	3	Lin, Calc Int	4871.0	82050	0.00000	0.999699
Cu 325	3	Lin, Calc Int	-8317.4	1278000	0.00000	0.999205
Ag 328	3	Lin, Calc Int	-1514.3	879000	0.00000	0.999958
Na 590	3	Lin, Calc Int	-775.5	142400	0.00000	0.999985
K 766	3	Lin, Calc Int	-390.3	37290	0.00000	0.999949

Sequence No.: 7
Sample ID: icv
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/15/2009 04:56:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	19143.2	1.04	mg/L	0.007	1.04	mg/L	0.007	0.71%
Tl 191	21426.0	1.02	mg/L	0.009	1.02	mg/L	0.009	0.84%
Se 196	15208.2	1.04	mg/L	0.005	1.04	mg/L	0.005	0.46%
Sb 207	25459.1	1.00	mg/L	0.002	1.00	mg/L	0.002	0.19%
Zn 214	550414.3	1.01	mg/L	0.003	1.01	mg/L	0.003	0.27%
Cd 214	821235.5	1.01	mg/L	0.007	1.01	mg/L	0.007	0.74%
Pb 220	45473.4	1.02	mg/L	0.003	1.02	mg/L	0.003	0.27%
Co 229	269185.5	1.06	mg/L	0.017	1.06	mg/L	0.017	1.64%
Ni 232	263720.7	1.06	mg/L	0.004	1.06	mg/L	0.004	0.35%
Ba 234	826577.3	1.01	mg/L	0.004	1.01	mg/L	0.004	0.44%
Mn 258	4052328.5	1.04	mg/L	0.002	1.04	mg/L	0.002	0.24%
Fe 260	95400.2	1.05	mg/L	0.001	1.05	mg/L	0.001	0.10%
Cr 268	617143.4	1.03	mg/L	0.002	1.03	mg/L	0.002	0.20%
Mg 279	8955.6	1.02	mg/L	0.001	1.02	mg/L	0.001	0.11%
V 292	418994.4	1.03	mg/L	0.006	1.03	mg/L	0.006	0.54%
Al 308	17735.1	1.06	mg/L	0.004	1.06	mg/L	0.004	0.38%
Be 313	152756.2	1.01	mg/L	0.011	1.01	mg/L	0.011	1.13%
Ca 318	88177.0	1.02	mg/L	0.023	1.02	mg/L	0.023	2.28%
Cu 325	1244502.7	0.980	mg/L	0.0048	0.980	mg/L	0.0048	0.49%
Ag 328	438608.6	0.501	mg/L	0.0040	0.501	mg/L	0.0040	0.79%
Na 590	147557.7	1.04	mg/L	0.012	1.04	mg/L	0.012	1.17%
K 766	38535.6	1.04	mg/L	0.001	1.04	mg/L	0.001	0.05%

Sequence No.: 8
Sample ID: icsA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/15/2009 05:03:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: icsA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	161.0	0.0105	mg/L	0.00051	0.0105	mg/L	0.00051	4.86%
Tl 191	-49.6	0.0009	mg/L	0.00259	0.0009	mg/L	0.00259	304.75%
Se 196	-341.4	0.0271	mg/L	0.00038	0.0271	mg/L	0.00038	1.39%
Sb 207	660.5	0.0201	mg/L	0.00050	0.0201	mg/L	0.00050	2.51%
Zn 214	8217.3	0.0041	mg/L	0.00014	0.0041	mg/L	0.00014	3.36%
Cd 214	2022.6	-0.0001	mg/L	0.00038	-0.0001	mg/L	0.00038	358.05%
Pb 220	-104.9	0.0015	mg/L	0.00284	0.0015	mg/L	0.00284	188.70%
Co 229	-301.1	-0.0022	mg/L	0.00172	-0.0022	mg/L	0.00172	76.82%
Ni 232	386.2	-0.0005	mg/L	0.00115	-0.0005	mg/L	0.00115	211.16%
Ba 234	900.0	0.0124	mg/L	0.00016	0.0124	mg/L	0.00016	1.29%
Mn 258	-2747.8	-0.0001	mg/L	0.00014	-0.0001	mg/L	0.00014	144.39%
Fe 260	9069500.6	99.6	mg/L	1.18	99.6	mg/L	1.18	1.18%
Cr 268	1497.2	0.0060	mg/L	0.00091	0.0060	mg/L	0.00091	15.08%
Mg 279	350241.1	40.6	mg/L	0.78	40.6	mg/L	0.78	1.93%
V 292	406.9	-0.0009	mg/L	0.00044	-0.0009	mg/L	0.00044	48.80%
Al 308	1683003.1	100	mg/L	0.3	100	mg/L	0.3	0.33%
Be 313	-938.3	-0.0027	mg/L	0.00088	-0.0027	mg/L	0.00088	32.44%
Ca 318	3398632.5	41.4	mg/L	0.99	41.4	mg/L	0.99	2.40%
Cu 325	4086.7	0.0097	mg/L	0.00051	0.0097	mg/L	0.00051	5.29%
Ag 328	206.1	0.0020	mg/L	0.00016	0.0020	mg/L	0.00016	8.10%
Na 590	-1619.1	-0.0059	mg/L	0.00379	-0.0059	mg/L	0.00379	64.01%
K 766	-553.2	-0.0044	mg/L	0.00367	-0.0044	mg/L	0.00367	84.04%

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Sequence No.: 9
Sample ID: icsB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/15/2009 05:10:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5788.0	0.316	mg/L	0.0030	0.316	mg/L	0.0030	0.94%
Tl 191	6321.8	0.304	mg/L	0.0002	0.304	mg/L	0.0002	0.07%
Se 196	4031.9	0.324	mg/L	0.0010	0.324	mg/L	0.0010	0.31%
Sb 207	8085.2	0.314	mg/L	0.0053	0.314	mg/L	0.0053	1.70%
Zn 214	168368.2	0.297	mg/L	0.0005	0.297	mg/L	0.0005	0.18%
Cd 214	237478.4	0.289	mg/L	0.0023	0.289	mg/L	0.0023	0.79%
Pb 220	12623.5	0.286	mg/L	0.0015	0.286	mg/L	0.0015	0.52%
Co 229	73374.5	0.287	mg/L	0.0014	0.287	mg/L	0.0014	0.49%
Ni 232	70667.8	0.283	mg/L	0.0002	0.283	mg/L	0.0002	0.06%
Ba 234	828196.7	1.01	mg/L	0.002	1.01	mg/L	0.002	0.22%
Mn 258	1148332.5	0.294	mg/L	0.0010	0.294	mg/L	0.0010	0.32%
Fe 260	8986264.2	98.7	mg/L	0.33	98.7	mg/L	0.33	0.33%
Cr 268	176108.6	0.295	mg/L	0.0001	0.295	mg/L	0.0001	0.04%
Mg 279	342531.8	39.7	mg/L	0.16	39.7	mg/L	0.16	0.40%
V 292	122003.2	0.300	mg/L	0.0014	0.300	mg/L	0.0014	0.47%
Al 308	1648782.1	98.2	mg/L	0.79	98.2	mg/L	0.79	0.81%
Be 313	44100.4	0.295	mg/L	0.0061	0.295	mg/L	0.0061	2.08%
Ca 318	3357623.4	40.9	mg/L	0.26	40.9	mg/L	0.26	0.64%
Cu 325	377151.2	0.302	mg/L	0.0033	0.302	mg/L	0.0033	1.10%
Ag 328	257105.8	0.294	mg/L	0.0034	0.294	mg/L	0.0034	1.15%
Na 590	-1733.3	-0.0067	mg/L	0.00100	-0.0067	mg/L	0.00100	14.88%
K 766	-505.9	-0.0031	mg/L	0.00259	-0.0031	mg/L	0.00259	83.45%

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Sequence No.: 10
Sample ID: lowstd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/15/2009 05:17:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	233.8	0.0145	mg/L	0.00069	0.0145	mg/L	0.00069	4.78%
Tl 191	212.4	0.0133	mg/L	0.00047	0.0133	mg/L	0.00047	3.49%
Se 196	322.8	0.0224	mg/L	0.00052	0.0224	mg/L	0.00052	2.33%
Sb 207	1176.8	0.0407	mg/L	0.00113	0.0407	mg/L	0.00113	2.77%
Zn 214	13020.6	0.0254	mg/L	0.00048	0.0254	mg/L	0.00048	1.91%
Cd 214	4498.5	0.0081	mg/L	0.00000	0.0081	mg/L	0.00000	0.00%
Pb 220	350.8	0.0117	mg/L	0.00062	0.0117	mg/L	0.00062	5.34%
Co 229	2798.5	0.0099	mg/L	0.00011	0.0099	mg/L	0.00011	1.11%
Ni 232	3024.1	0.0101	mg/L	0.00069	0.0101	mg/L	0.00069	6.85%
Ba 234	87778.4	0.117	mg/L	0.0011	0.117	mg/L	0.0011	0.97%
Mn 258	41016.0	0.0111	mg/L	0.00054	0.0111	mg/L	0.00054	4.91%
Fe 260	11164.8	0.125	mg/L	0.0000	0.125	mg/L	0.0000	0.00%
Cr 268	6243.0	0.0139	mg/L	0.00000	0.0139	mg/L	0.00000	0.03%
Mg 279	1211.0	0.124	mg/L	0.0134	0.124	mg/L	0.0134	10.81%
V 292	22084.9	0.0527	mg/L	0.00142	0.0527	mg/L	0.00142	2.70%
Al 308	2291.7	0.145	mg/L	0.0156	0.145	mg/L	0.0156	10.75%
Be 313	938.3	0.0097	mg/L	0.00088	0.0097	mg/L	0.00088	9.04%
Ca 318	20830.4	0.195	mg/L	0.0066	0.195	mg/L	0.0066	3.37%
Cu 325	15850.0	0.0189	mg/L	0.00014	0.0189	mg/L	0.00014	0.73%
Ag 328	8423.8	0.0113	mg/L	0.00024	0.0113	mg/L	0.00024	2.16%
Na 590	28069.0	0.203	mg/L	0.0067	0.203	mg/L	0.0067	3.29%
K 766	7515.1	0.212	mg/L	0.0001	0.212	mg/L	0.0001	0.05%

Sequence No.: 11
Sample ID: ccv1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 7/15/2009 05:23:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	9576.0	0.522	mg/L	0.0024	0.522	mg/L	0.0024	0.45%
Tl 191	10693.1	0.513	mg/L	0.0057	0.513	mg/L	0.0057	1.12%
Se 196	7570.2	0.517	mg/L	0.0003	0.517	mg/L	0.0003	0.06%
Sb 207	13339.9	0.522	mg/L	0.0002	0.522	mg/L	0.0002	0.03%
Zn 214	272765.7	0.500	mg/L	0.0056	0.500	mg/L	0.0056	1.12%
Cd 214	415562.0	0.513	mg/L	0.0060	0.513	mg/L	0.0060	1.16%
Pb 220	22401.8	0.505	mg/L	0.0004	0.505	mg/L	0.0004	0.08%
Co 229	133823.9	0.524	mg/L	0.0124	0.524	mg/L	0.0124	2.36%
Ni 232	128929.8	0.518	mg/L	0.0017	0.518	mg/L	0.0017	0.34%
Ba 234	2111384.5	2.56	mg/L	0.046	2.56	mg/L	0.046	1.78%
Mn 258	1995806.2	0.511	mg/L	0.0012	0.511	mg/L	0.0012	0.24%
Fe 260	236962.4	2.60	mg/L	0.017	2.60	mg/L	0.017	0.64%
Cr 268	303561.4	0.506	mg/L	0.0016	0.506	mg/L	0.0016	0.31%
Mg 279	22505.0	2.59	mg/L	0.013	2.59	mg/L	0.013	0.48%
V 292	208703.0	0.514	mg/L	0.0045	0.514	mg/L	0.0045	0.88%
Al 308	42671.0	2.55	mg/L	0.037	2.55	mg/L	0.037	1.44%
Be 313	76941.0	0.512	mg/L	0.0009	0.512	mg/L	0.0009	0.17%
Ca 318	217259.5	2.59	mg/L	0.010	2.59	mg/L	0.010	0.37%
Cu 325	613711.0	0.487	mg/L	0.0009	0.487	mg/L	0.0009	0.18%
Ag 328	440547.3	0.503	mg/L	0.0026	0.503	mg/L	0.0026	0.52%
Na 590	358222.0	2.52	mg/L	0.003	2.52	mg/L	0.003	0.12%
K 766	94140.0	2.53	mg/L	0.009	2.53	mg/L	0.009	0.35%

Sequence No.: 12
Sample ID: ccb1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/15/2009 05:30:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: ccb1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-10.2	0.0012	mg/L	0.00201	0.0012	mg/L	0.00201	161.95%
Tl 191	-44.1	0.0011	mg/L	0.00284	0.0011	mg/L	0.00284	254.92%
Se 196	-9.5	-0.0003	mg/L	0.00368	-0.0003	mg/L	0.00368	>999.9%
Sb 207	99.0	-0.0024	mg/L	0.00052	-0.0024	mg/L	0.00052	21.85%
Zn 214	-339.3	0.0009	mg/L	0.00000	0.0009	mg/L	0.00000	0.09%
Cd 214	-45.8	0.0025	mg/L	0.00041	0.0025	mg/L	0.00041	16.36%
Pb 220	-132.8	0.0009	mg/L	0.00135	0.0009	mg/L	0.00135	153.67%
Co 229	-136.0	-0.0016	mg/L	0.00059	-0.0016	mg/L	0.00059	37.25%
Ni 232	280.8	-0.0010	mg/L	0.00028	-0.0010	mg/L	0.00028	28.42%
Ba 234	-59.2	0.0112	mg/L	0.00056	0.0112	mg/L	0.00056	4.97%
Mn 258	-3010.3	-0.0002	mg/L	0.00014	-0.0002	mg/L	0.00014	84.32%
Fe 260	-1503.0	-0.0145	mg/L	0.00333	-0.0145	mg/L	0.00333	22.95%
Cr 268	-145.2	0.0033	mg/L	0.00000	0.0033	mg/L	0.00000	0.00%
Mg 279	107.2	-0.0042	mg/L	0.01092	-0.0042	mg/L	0.01092	260.74%
V 292	406.9	-0.0009	mg/L	0.00010	-0.0009	mg/L	0.00010	11.17%
Al 308	245.9	0.0229	mg/L	0.01728	0.0229	mg/L	0.01728	75.34%
Be 313	-469.2	0.0004	mg/L	0.00176	0.0004	mg/L	0.00176	441.80%
Ca 318	-540.1	-0.0659	mg/L	0.00048	-0.0659	mg/L	0.00048	0.72%
Cu 325	2614.1	0.0086	mg/L	0.00017	0.0086	mg/L	0.00017	1.98%
Ag 328	-229.3	0.0015	mg/L	0.00010	0.0015	mg/L	0.00010	6.65%
Na 590	-2473.1	-0.0119	mg/L	0.00141	-0.0119	mg/L	0.00141	11.85%
K 766	-509.3	-0.0032	mg/L	0.00383	-0.0032	mg/L	0.00383	120.17%

Sequence No.: 13
Sample ID: pb14642
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 100
Date Collected: 7/15/2009 05:37:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14642

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: pb14642

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-15.2	0.0010	mg/L	0.00031	0.0010	mg/L	0.00031	31.93%
Tl 191	241.8	0.0148	mg/L	0.00282	0.0148	mg/L	0.00282	19.11%
Se 196	12.9	0.0013	mg/L	0.00022	0.0013	mg/L	0.00022	17.06%
Sb 207	172.2	0.0005	mg/L	0.00009	0.0005	mg/L	0.00009	16.02%
Zn 214	19101.6	0.0366	mg/L	0.00020	0.0366	mg/L	0.00020	0.54%
Cd 214	274.6	0.0029	mg/L	0.00008	0.0029	mg/L	0.00008	2.87%
Pb 220	51.1	0.0050	mg/L	0.00294	0.0050	mg/L	0.00294	58.84%
Co 229	-29.1	-0.0012	mg/L	0.00003	-0.0012	mg/L	0.00003	2.90%
Ni 232	586.6	0.0003	mg/L	0.00009	0.0003	mg/L	0.00009	33.90%
Ba 234	-436.2	0.0108	mg/L	0.00028	0.0108	mg/L	0.00028	2.56%
Mn 258	85828.9	0.0225	mg/L	0.00040	0.0225	mg/L	0.00040	1.76%
Fe 260	214.7	0.0043	mg/L	0.00333	0.0043	mg/L	0.00333	76.92%
Cr 268	191.9	0.0039	mg/L	0.00011	0.0039	mg/L	0.00011	2.84%
Mg 279	165.9	0.0026	mg/L	0.00375	0.0026	mg/L	0.00375	143.87%
V 292	455.3	-0.0008	mg/L	0.00041	-0.0008	mg/L	0.00041	52.22%
Al 308	12820.5	0.772	mg/L	0.0245	0.772	mg/L	0.0245	3.17%
Be 313	-1313.6	-0.0052	mg/L	0.00088	-0.0052	mg/L	0.00088	16.92%
Ca 318	16514.2	0.142	mg/L	0.0032	0.142	mg/L	0.0032	2.22%

Cu 325	5615.4	0.0109 mg/L	0.00000	0.0109 mg/L	0.00000	0.00%
Ag 328	-740.3	0.0009 mg/L	0.00011	0.0009 mg/L	0.00011	12.09%
Na 590	7177.1	0.0559 mg/L	0.00101	0.0559 mg/L	0.00101	1.80%
K 766	1098.4	0.0399 mg/L	0.02497	0.0399 mg/L	0.02497	62.55%

Sequence No.: 14 **Autosampler Location: 101**
Sample ID: lcs14642 **Date Collected: 7/15/2009 05:44:28 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: lcs14642

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: lcs14642

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	7386.0	0.403	mg/L	0.0016	0.403	mg/L	0.0016	0.39%
Tl 191	7960.0	0.383	mg/L	0.0026	0.383	mg/L	0.0026	0.67%
Se 196	5707.7	0.390	mg/L	0.0000	0.390	mg/L	0.0000	0.00%
Sb 207	10352.7	0.404	mg/L	0.0030	0.404	mg/L	0.0030	0.75%
Zn 214	211342.6	0.388	mg/L	0.0010	0.388	mg/L	0.0010	0.25%
Cd 214	319286.2	0.394	mg/L	0.0034	0.394	mg/L	0.0034	0.87%
Pb 220	17767.4	0.401	mg/L	0.0077	0.401	mg/L	0.0077	1.91%
Co 229	107861.6	0.422	mg/L	0.0036	0.422	mg/L	0.0036	0.85%
Ni 232	103643.7	0.416	mg/L	0.0011	0.416	mg/L	0.0011	0.27%
Ba 234	1681449.5	2.04	mg/L	0.007	2.04	mg/L	0.007	0.34%
Mn 258	1600664.0	0.410	mg/L	0.0029	0.410	mg/L	0.0029	0.70%
Fe 260	192877.4	2.12	mg/L	0.048	2.12	mg/L	0.048	2.25%
Cr 268	241601.9	0.403	mg/L	0.0004	0.403	mg/L	0.0004	0.11%
Mg 279	18446.5	2.12	mg/L	0.025	2.12	mg/L	0.025	1.16%
V 292	167582.9	0.412	mg/L	0.0006	0.412	mg/L	0.0006	0.15%
Al 308	33980.0	2.03	mg/L	0.027	2.03	mg/L	0.027	1.35%
Be 313	60426.9	0.403	mg/L	0.0114	0.403	mg/L	0.0114	2.83%
Ca 318	178413.6	2.12	mg/L	0.010	2.12	mg/L	0.010	0.46%
Cu 325	513421.3	0.408	mg/L	0.0013	0.408	mg/L	0.0013	0.31%
Ag 328	338395.6	0.387	mg/L	0.0013	0.387	mg/L	0.0013	0.33%
Na 590	291013.9	2.05	mg/L	0.000	2.05	mg/L	0.000	0.02%
K 766	77047.1	2.08	mg/L	0.011	2.08	mg/L	0.011	0.54%

Sequence No.: 15 **Autosampler Location: 102**
Sample ID: lcd14642 **Date Collected: 7/15/2009 05:51:14 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: lcd14642

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: lcd14642

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	7202.7	0.394	mg/L	0.0031	0.394	mg/L	0.0031	0.79%
Tl 191	7896.0	0.380	mg/L	0.0031	0.380	mg/L	0.0031	0.82%
Se 196	5492.8	0.375	mg/L	0.0012	0.375	mg/L	0.0012	0.33%
Sb 207	10028.3	0.391	mg/L	0.0017	0.391	mg/L	0.0017	0.44%
Zn 214	203049.5	0.373	mg/L	0.0039	0.373	mg/L	0.0039	1.05%
Cd 214	306026.6	0.378	mg/L	0.0005	0.378	mg/L	0.0005	0.13%
Pb 220	17103.9	0.387	mg/L	0.0027	0.387	mg/L	0.0027	0.69%
Co 229	105027.9	0.411	mg/L	0.0026	0.411	mg/L	0.0026	0.64%
Ni 232	101219.3	0.406	mg/L	0.0023	0.406	mg/L	0.0023	0.58%
Ba 234	1630447.6	1.98	mg/L	0.006	1.98	mg/L	0.006	0.30%
Mn 258	1555132.5	0.398	mg/L	0.0019	0.398	mg/L	0.0019	0.48%
Fe 260	186865.5	2.05	mg/L	0.008	2.05	mg/L	0.008	0.38%

Cr 268	235158.3	0.393	mg/L	0.0046	0.393	mg/L	0.0046	1.18%
Mg 279	18090.2	2.08	mg/L	0.030	2.08	mg/L	0.030	1.45%
V 292	162782.9	0.400	mg/L	0.0012	0.400	mg/L	0.0012	0.30%
Al 308	33406.8	2.00	mg/L	0.004	2.00	mg/L	0.004	0.22%
Be 313	58456.4	0.390	mg/L	0.0070	0.390	mg/L	0.0070	1.80%
Ca 318	175138.5	2.08	mg/L	0.006	2.08	mg/L	0.006	0.31%
Cu 325	498317.8	0.396	mg/L	0.0002	0.396	mg/L	0.0002	0.04%
Ag 328	321244.1	0.367	mg/L	0.0002	0.367	mg/L	0.0002	0.06%
Na 590	285820.2	2.01	mg/L	0.017	2.01	mg/L	0.017	0.87%
K 766	75941.8	2.05	mg/L	0.015	2.05	mg/L	0.015	0.74%

Sequence No.: 16 **Autosampler Location: 103**
Sample ID: G368-73-1C **Date Collected: 7/15/2009 05:58:06 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-73-1C

Analyte	Back Pressure	Flow
All	262.0 kPa	0.70 L/min

Mean Data: G368-73-1C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	1451.8	0.0816	mg/L	0.00146	0.0816	mg/L	0.00146	1.79%
Tl 191	-159.9	0.0155	mg/L	0.00049	0.0155	mg/L	0.00049	3.19%
Se 196	-822.3	0.0744	mg/L	0.00353	0.0744	mg/L	0.00353	4.74%
Sb 207	517.5	0.0123	mg/L	0.00135	0.0123	mg/L	0.00135	11.03%
Zn 214	1718241.9	3.13	mg/L	0.009	3.13	mg/L	0.009	0.29%
Cd 214	10674.7	0.0022	mg/L	0.00027	0.0022	mg/L	0.00027	12.39%
Pb 220	25921.3	0.584	mg/L	0.0014	0.584	mg/L	0.0014	0.25%
Co 229	43393.1	0.169	mg/L	0.0007	0.169	mg/L	0.0007	0.41%
Ni 232	72241.8	0.289	mg/L	0.0023	0.289	mg/L	0.0023	0.79%
Ba 234	512496.9	0.630	mg/L	0.0073	0.630	mg/L	0.0073	1.16%
Mn 258	36926280.2	9.44	mg/L	0.007	9.44	mg/L	0.007	0.08%
Fe 260	23614877.6	259	mg/L	2.2	259	mg/L	2.2	0.83%
Cr 268	113312.2	0.191	mg/L	0.0011	0.191	mg/L	0.0011	0.60%
Mg 279	300983.7	34.9	mg/L	0.43	34.9	mg/L	0.43	1.24%
V 292	98270.9	0.241	mg/L	0.0018	0.241	mg/L	0.0018	0.74%
Al 308	2085612.4	124	mg/L	1.6	124	mg/L	1.6	1.31%
Be 313	187.7	0.0047	mg/L	0.00263	0.0047	mg/L	0.00263	55.53%
Ca 318	3182283.2	38.7	mg/L	0.23	38.7	mg/L	0.23	0.60%
Cu 325	2736347.5	2.15	mg/L	0.022	2.15	mg/L	0.022	1.03%
Ag 328	1053.9	0.0029	mg/L	0.00044	0.0029	mg/L	0.00044	15.10%
Na 590	83073.7	0.589	mg/L	0.0020	0.589	mg/L	0.0020	0.34%
K 766	734180.4	19.7	mg/L	0.00	19.7	mg/L	0.00	0.00%

Sequence No.: 17 **Autosampler Location: 104**
Sample ID: G368-73-1D ms **Date Collected: 7/15/2009 06:04:55 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-73-1D ms

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: G368-73-1D ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	8112.7	0.444	mg/L	0.0027	0.444	mg/L	0.0027	0.60%
Tl 191	7168.1	0.355	mg/L	0.0003	0.355	mg/L	0.0003	0.08%
Se 196	4626.2	0.434	mg/L	0.0063	0.434	mg/L	0.0063	1.46%
Sb 207	4583.2	0.171	mg/L	0.0025	0.171	mg/L	0.0025	1.46%
Zn 214	2073225.0	3.78	mg/L	0.017	3.78	mg/L	0.017	0.45%
Cd 214	313373.4	0.375	mg/L	0.0052	0.375	mg/L	0.0052	1.38%

Pb 220	55795.1	1.25 mg/L	0.008	1.25 mg/L	0.008	0.68%
Co 229	134825.8	0.528 mg/L	0.0006	0.528 mg/L	0.0006	0.10%
Ni 232	176943.7	0.711 mg/L	0.0063	0.711 mg/L	0.0063	0.88%
Ba 234	2097131.0	2.54 mg/L	0.014	2.54 mg/L	0.014	0.56%
Mn 258	20541896.6	5.25 mg/L	0.018	5.25 mg/L	0.018	0.34%
Fe 260	21545676.3	237 mg/L	0.4	237 mg/L	0.4	0.18%
Cr 268	340685.5	0.567 mg/L	0.0010	0.567 mg/L	0.0010	0.18%
Mg 279	378736.2	43.9 mg/L	0.02	43.9 mg/L	0.02	0.05%
V 292	245755.2	0.606 mg/L	0.0066	0.606 mg/L	0.0066	1.10%
Al 308	2094048.1	125 mg/L	0.9	125 mg/L	0.9	0.72%
Be 313	59676.1	0.398 mg/L	0.0114	0.398 mg/L	0.0114	2.87%
Ca 318	4149661.1	50.5 mg/L	0.01	50.5 mg/L	0.01	0.02%
Cu 325	5583515.1	4.37 mg/L	0.051	4.37 mg/L	0.051	1.16%
Ag 328	338905.4	0.387 mg/L	0.0047	0.387 mg/L	0.0047	1.22%
Na 590	365628.5	2.57 mg/L	0.028	2.57 mg/L	0.028	1.10%
K 766	837011.3	22.5 mg/L	0.04	22.5 mg/L	0.04	0.18%

Sequence No.: 18
Sample ID: G368-73-1E msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 105
Date Collected: 7/15/2009 06:11:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-73-1E msd

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: G368-73-1E msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	8057.4	0.441	mg/L	0.0024	0.441	mg/L	0.0024	0.54%
Tl 191	7183.6	0.357	mg/L	0.0002	0.357	mg/L	0.0002	0.05%
Se 196	4583.9	0.428	mg/L	0.0146	0.428	mg/L	0.0146	3.40%
Sb 207	4125.4	0.153	mg/L	0.0021	0.153	mg/L	0.0021	1.34%
Zn 214	1480958.4	2.69	mg/L	0.015	2.69	mg/L	0.015	0.56%
Cd 214	306516.1	0.367	mg/L	0.0001	0.367	mg/L	0.0001	0.03%
Pb 220	35096.8	0.789	mg/L	0.0050	0.789	mg/L	0.0050	0.64%
Co 229	133546.5	0.523	mg/L	0.0167	0.523	mg/L	0.0167	3.19%
Ni 232	168884.0	0.679	mg/L	0.0083	0.679	mg/L	0.0083	1.22%
Ba 234	2089925.2	2.54	mg/L	0.017	2.54	mg/L	0.017	0.69%
Mn 258	22446554.3	5.74	mg/L	0.006	5.74	mg/L	0.006	0.11%
Fe 260	21129433.1	232	mg/L	1.4	232	mg/L	1.4	0.61%
Cr 268	329356.2	0.549	mg/L	0.0003	0.549	mg/L	0.0003	0.06%
Mg 279	380267.0	44.1	mg/L	0.43	44.1	mg/L	0.43	0.97%
V 292	244458.8	0.602	mg/L	0.0077	0.602	mg/L	0.0077	1.28%
Al 308	2075705.2	124	mg/L	0.8	124	mg/L	0.8	0.63%
Be 313	57893.5	0.386	mg/L	0.0018	0.386	mg/L	0.0018	0.45%
Ca 318	3340762.4	40.7	mg/L	0.36	40.7	mg/L	0.36	0.89%
Cu 325	2463626.5	1.93	mg/L	0.024	1.93	mg/L	0.024	1.26%
Ag 328	327704.2	0.375	mg/L	0.0009	0.375	mg/L	0.0009	0.25%
Na 590	359208.1	2.53	mg/L	0.003	2.53	mg/L	0.003	0.11%
K 766	776479.7	20.8	mg/L	0.18	20.8	mg/L	0.18	0.84%

Sequence No.: 19
Sample ID: G368-73-1F dup
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 106
Date Collected: 7/15/2009 06:18:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-73-1F dup

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: G368-73-1F dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

As 189	1237.9	0.0703	mg/L	0.00076	0.0703	mg/L	0.00076	1.08%
Tl 191	-93.2	0.0110	mg/L	0.00063	0.0110	mg/L	0.00063	5.73%
Se 196	-842.8	0.0670	mg/L	0.00180	0.0670	mg/L	0.00180	2.69%
Sb 207	495.6	0.0111	mg/L	0.00222	0.0111	mg/L	0.00222	19.99%
Zn 214	1854783.5	3.38	mg/L	0.009	3.38	mg/L	0.009	0.28%
Cd 214	8999.7	0.0008	mg/L	0.00030	0.0008	mg/L	0.00030	38.31%
Pb 220	27072.4	0.610	mg/L	0.0013	0.610	mg/L	0.0013	0.21%
Co 229	38548.0	0.150	mg/L	0.0018	0.150	mg/L	0.0018	1.19%
Ni 232	72035.7	0.288	mg/L	0.0017	0.288	mg/L	0.0017	0.57%
Ba 234	487995.0	0.601	mg/L	0.0063	0.601	mg/L	0.0063	1.04%
Mn 258	22758300.9	5.82	mg/L	0.020	5.82	mg/L	0.020	0.35%
Fe 260	22532471.8	247	mg/L	0.7	247	mg/L	0.7	0.30%
Cr 268	128607.6	0.216	mg/L	0.0007	0.216	mg/L	0.0007	0.32%
Mg 279	293733.5	34.0	mg/L	0.19	34.0	mg/L	0.19	0.55%
V 292	103170.8	0.253	mg/L	0.0019	0.253	mg/L	0.0019	0.74%
Al 308	2229549.6	133	mg/L	0.1	133	mg/L	0.1	0.06%
Be 313	469.1	0.0066	mg/L	0.00526	0.0066	mg/L	0.00526	79.74%
Ca 318	2753700.6	33.5	mg/L	0.51	33.5	mg/L	0.51	1.53%
Cu 325	2159592.7	1.70	mg/L	0.001	1.70	mg/L	0.001	0.07%
Ag 328	103.3	0.0018	mg/L	0.00028	0.0018	mg/L	0.00028	15.41%
Na 590	79071.1	0.561	mg/L	0.0004	0.561	mg/L	0.0004	0.08%
K 766	744456.8	20.0	mg/L	0.03	20.0	mg/L	0.03	0.15%

Sequence No.: 20
Sample ID: G368-73-1F dup SDx5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 107
Date Collected: 7/15/2009 06:25:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-73-1F dup SDx5

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: G368-73-1F dup SDx5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	246.7	0.0155	mg/L	0.00140	0.0155	mg/L	0.00140	9.06%
Tl 191	22.9	0.0069	mg/L	0.00275	0.0069	mg/L	0.00275	40.11%
Se 196	-169.8	0.0157	mg/L	0.00051	0.0157	mg/L	0.00051	3.27%
Sb 207	162.1	-0.0004	mg/L	0.00111	-0.0004	mg/L	0.00111	296.92%
Zn 214	389361.1	0.710	mg/L	0.0079	0.710	mg/L	0.0079	1.11%
Cd 214	2078.1	0.0024	mg/L	0.00004	0.0024	mg/L	0.00004	1.49%
Pb 220	5514.5	0.127	mg/L	0.0007	0.127	mg/L	0.0007	0.58%
Co 229	7909.5	0.0300	mg/L	0.00075	0.0300	mg/L	0.00075	2.52%
Ni 232	15351.2	0.0598	mg/L	0.00036	0.0598	mg/L	0.00036	0.61%
Ba 234	106740.9	0.140	mg/L	0.0006	0.140	mg/L	0.0006	0.40%
Mn 258	4766211.8	1.22	mg/L	0.010	1.22	mg/L	0.010	0.78%
Fe 260	4880067.7	53.6	mg/L	0.38	53.6	mg/L	0.38	0.72%
Cr 268	27591.1	0.0492	mg/L	0.00125	0.0492	mg/L	0.00125	2.54%
Mg 279	62594.2	7.24	mg/L	0.046	7.24	mg/L	0.046	0.64%
V 292	22423.8	0.0535	mg/L	0.00044	0.0535	mg/L	0.00044	0.82%
Al 308	491303.1	29.3	mg/L	0.03	29.3	mg/L	0.03	0.09%
Be 313	375.2	0.0060	mg/L	0.00439	0.0060	mg/L	0.00439	73.34%
Ca 318	569655.1	6.88	mg/L	0.039	6.88	mg/L	0.039	0.57%
Cu 325	413839.7	0.330	mg/L	0.0009	0.330	mg/L	0.0009	0.28%
Ag 328	-179.7	0.0015	mg/L	0.00017	0.0015	mg/L	0.00017	11.49%
Na 590	18786.6	0.137	mg/L	0.0026	0.137	mg/L	0.0026	1.90%
K 766	175242.8	4.71	mg/L	0.048	4.71	mg/L	0.048	1.02%

Sequence No.: 21
Sample ID: icsA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/15/2009 06:32:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow

All	261.0 kPa	0.70 L/min

Mean Data: icsA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	96.9	0.0070	mg/L	0.00003	0.0070	mg/L	0.00003	0.36%
Tl 191	61.5	0.0061	mg/L	0.00189	0.0061	mg/L	0.00189	30.78%
Se 196	-356.3	0.0294	mg/L	0.00161	0.0294	mg/L	0.00161	5.46%
Sb 207	191.2	0.0013	mg/L	0.00040	0.0013	mg/L	0.00040	31.81%
Zn 214	8329.1	0.0035	mg/L	0.00056	0.0035	mg/L	0.00056	16.21%
Cd 214	2835.0	0.0005	mg/L	0.00003	0.0005	mg/L	0.00003	5.86%
Pb 220	-274.3	-0.0023	mg/L	0.00145	-0.0023	mg/L	0.00145	63.66%
Co 229	-290.4	-0.0022	mg/L	0.00134	-0.0022	mg/L	0.00134	60.93%
Ni 232	564.0	0.0002	mg/L	0.00010	0.0002	mg/L	0.00010	61.50%
Ba 234	286.5	0.0116	mg/L	0.00004	0.0116	mg/L	0.00004	0.33%
Mn 258	-1618.9	0.0002	mg/L	0.00027	0.0002	mg/L	0.00027	139.98%
Fe 260	9678621.1	106	mg/L	0.6	106	mg/L	0.6	0.53%
Cr 268	1739.2	0.0064	mg/L	0.00011	0.0064	mg/L	0.00011	1.77%
Mg 279	377376.4	43.7	mg/L	0.29	43.7	mg/L	0.29	0.67%
V 292	1239.0	0.0012	mg/L	0.00024	0.0012	mg/L	0.00024	20.57%
Al 308	1808644.1	108	mg/L	0.1	108	mg/L	0.1	0.08%
Be 313	-0.1	0.0035	mg/L	0.00088	0.0035	mg/L	0.00088	25.08%
Ca 318	3708839.3	45.1	mg/L	0.07	45.1	mg/L	0.07	0.15%
Cu 325	5462.6	0.0108	mg/L	0.00054	0.0108	mg/L	0.00054	4.97%
Ag 328	-86.3	0.0016	mg/L	0.00008	0.0016	mg/L	0.00008	4.75%
Na 590	-2393.6	-0.0114	mg/L	0.00068	-0.0114	mg/L	0.00068	6.01%
K 766	-654.5	-0.0071	mg/L	0.00017	-0.0071	mg/L	0.00017	2.40%

Sequence No.: 22
Sample ID: icsB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/15/2009 06:39:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: icsB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6011.7	0.329	mg/L	0.0074	0.329	mg/L	0.0074	2.24%
Tl 191	6447.8	0.310	mg/L	0.0036	0.310	mg/L	0.0036	1.16%
Se 196	4268.8	0.343	mg/L	0.0026	0.343	mg/L	0.0026	0.77%
Sb 207	8194.0	0.318	mg/L	0.0015	0.318	mg/L	0.0015	0.49%
Zn 214	171071.2	0.302	mg/L	0.0015	0.302	mg/L	0.0015	0.50%
Cd 214	245274.8	0.298	mg/L	0.0061	0.298	mg/L	0.0061	2.04%
Pb 220	13208.5	0.299	mg/L	0.0051	0.299	mg/L	0.0051	1.72%
Co 229	74396.2	0.291	mg/L	0.0055	0.291	mg/L	0.0055	1.90%
Ni 232	72532.7	0.290	mg/L	0.0029	0.290	mg/L	0.0029	1.00%
Ba 234	835534.6	1.02	mg/L	0.018	1.02	mg/L	0.018	1.80%
Mn 258	1172105.4	0.300	mg/L	0.0033	0.300	mg/L	0.0033	1.09%
Fe 260	9558314.9	105	mg/L	1.1	105	mg/L	1.1	1.07%
Cr 268	182204.6	0.305	mg/L	0.0017	0.305	mg/L	0.0017	0.56%
Mg 279	367867.8	42.6	mg/L	0.24	42.6	mg/L	0.24	0.57%
V 292	125795.7	0.309	mg/L	0.0020	0.309	mg/L	0.0020	0.66%
Al 308	1750341.6	104	mg/L	0.5	104	mg/L	0.5	0.45%
Be 313	45226.2	0.303	mg/L	0.0044	0.303	mg/L	0.0044	1.45%
Ca 318	3605096.6	43.9	mg/L	0.22	43.9	mg/L	0.22	0.51%
Cu 325	386687.6	0.309	mg/L	0.0020	0.309	mg/L	0.0020	0.64%
Ag 328	261681.4	0.299	mg/L	0.0023	0.299	mg/L	0.0023	0.76%
Na 590	-2729.6	-0.0137	mg/L	0.00195	-0.0137	mg/L	0.00195	14.21%
K 766	284.9	0.0181	mg/L	0.01351	0.0181	mg/L	0.01351	74.62%

Sequence No.: 23
Sample ID: ccv2
Analyst:

Autosampler Location: 3
Date Collected: 7/15/2009 06:45:46 PM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: ccv2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9844.2	0.537	mg/L	0.0031	0.537	mg/L	0.0031	0.57%
Tl 191	10973.7	0.526	mg/L	0.0046	0.526	mg/L	0.0046	0.87%
Se 196	7734.9	0.528	mg/L	0.0065	0.528	mg/L	0.0065	1.23%
Sb 207	13710.5	0.537	mg/L	0.0018	0.537	mg/L	0.0018	0.33%
Zn 214	275111.4	0.505	mg/L	0.0015	0.505	mg/L	0.0015	0.29%
Cd 214	426527.9	0.526	mg/L	0.0043	0.526	mg/L	0.0043	0.81%
Pb 220	22950.1	0.517	mg/L	0.0042	0.517	mg/L	0.0042	0.81%
Co 229	134420.0	0.526	mg/L	0.0014	0.526	mg/L	0.0014	0.26%
Ni 232	130840.9	0.525	mg/L	0.0033	0.525	mg/L	0.0033	0.63%
Ba 234	2117827.5	2.57	mg/L	0.051	2.57	mg/L	0.051	2.00%
Mn 258	2030391.2	0.519	mg/L	0.0061	0.519	mg/L	0.0061	1.18%
Fe 260	241975.3	2.66	mg/L	0.003	2.66	mg/L	0.003	0.13%
Cr 268	305689.6	0.510	mg/L	0.0009	0.510	mg/L	0.0009	0.18%
Mg 279	23510.5	2.71	mg/L	0.050	2.71	mg/L	0.050	1.84%
V 292	212633.1	0.524	mg/L	0.0036	0.524	mg/L	0.0036	0.69%
Al 308	44431.3	2.65	mg/L	0.004	2.65	mg/L	0.004	0.15%
Be 313	75533.7	0.503	mg/L	0.0105	0.503	mg/L	0.0105	2.09%
Ca 318	226013.4	2.70	mg/L	0.009	2.70	mg/L	0.009	0.32%
Cu 325	623986.4	0.495	mg/L	0.0055	0.495	mg/L	0.0055	1.10%
Ag 328	445469.8	0.508	mg/L	0.0006	0.508	mg/L	0.0006	0.12%
Na 590	362098.0	2.55	mg/L	0.013	2.55	mg/L	0.013	0.52%
K 766	97823.6	2.63	mg/L	0.020	2.63	mg/L	0.020	0.76%

==========

Sequence No.: 24 Autosampler Location: 1
Sample ID: ccb2 Date Collected: 7/15/2009 06:52:29 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	69.1	0.0055	mg/L	0.00088	0.0055	mg/L	0.00088	16.03%
Tl 191	-53.2	0.0007	mg/L	0.00044	0.0007	mg/L	0.00044	64.24%
Se 196	-23.9	-0.0012	mg/L	0.00078	-0.0012	mg/L	0.00078	63.54%
Sb 207	74.8	-0.0034	mg/L	0.00304	-0.0034	mg/L	0.00304	90.74%
Zn 214	-285.3	0.0010	mg/L	0.00004	0.0010	mg/L	0.00004	4.45%
Cd 214	9.7	0.0026	mg/L	0.00040	0.0026	mg/L	0.00040	15.30%
Pb 220	26.5	0.0044	mg/L	0.00036	0.0044	mg/L	0.00036	8.03%
Co 229	-71.9	-0.0013	mg/L	0.00024	-0.0013	mg/L	0.00024	17.70%
Ni 232	493.9	-0.0001	mg/L	0.00055	-0.0001	mg/L	0.00055	493.46%
Ba 234	-458.7	0.0107	mg/L	0.00016	0.0107	mg/L	0.00016	1.49%
Mn 258	-2004.0	0.0001	mg/L	0.00026	0.0001	mg/L	0.00026	270.81%
Fe 260	1288.2	0.0161	mg/L	0.00000	0.0161	mg/L	0.00000	0.00%
Cr 268	-342.4	0.0030	mg/L	0.00023	0.0030	mg/L	0.00023	7.64%
Mg 279	47.6	-0.0111	mg/L	0.00083	-0.0111	mg/L	0.00083	7.50%
V 292	919.8	0.0004	mg/L	0.00034	0.0004	mg/L	0.00034	91.93%
Al 308	447.3	0.0349	mg/L	0.02330	0.0349	mg/L	0.02330	66.71%
Be 313	-281.6	0.0016	mg/L	0.00176	0.0016	mg/L	0.00176	107.19%
Ca 318	238.2	-0.0565	mg/L	0.00970	-0.0565	mg/L	0.00970	17.19%
Cu 325	2884.1	0.0088	mg/L	0.00013	0.0088	mg/L	0.00013	1.48%
Ag 328	176.3	0.0019	mg/L	0.00011	0.0019	mg/L	0.00011	5.75%
Na 590	-2826.6	-0.0144	mg/L	0.00057	-0.0144	mg/L	0.00057	3.99%

K 766	-230.3	0.0043 mg/L	0.00014	0.0043 mg/L	0.00014	3.30%

SGS

Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Boulevard
Duluth, GA 30096

Report Number: G368-74

Client Project: Goodyear Dump Site

Dear Jessica Vickers,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Linda McWhirter at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

7/20/09

Project Manager
Linda McWhirter

Date

5500 Business Dr. Wilmington, NC 28405 t (910) 350-1903 f (910) 350-1557 www.us.sgs.com

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are 10% < %R < LCL; # of MEs are allowable and compounds are not detected in the sample.

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:
1) Metals and mercury samples are digested with a hot block; see the standard operating procedure document for details.
2) Uncertainty for all reported data is less than or equal to 30 percent.

Anchorage
2[illegible] International Airport Road
S[illegible] A[illegible]
Anchorage, AK [illegible]9502
phone 907.563.9200 fax 907.563.9210

SGS

Chain of Custody Record

G368-74

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: SHERRY WEEDMAN	Site Contact: TODD CURTIS	Date: 7-16-09	COC No:
Your Company Name here TETRA TECH	Tel/Fax: 502-568-6688	Lab Contact:	Carrier:	1 of 1 COCs
Address 1955 EVERGREEN BLVD BLDG 200 STE 300	Analysis Turnaround Time			Job No.
City/State/Zip ~~Louisville, KY~~ DULUTH, GA 30096	Calendar (C) or Work Days (W)			
(xxx) xxx-xxxx Phone 678 983 6655	TAT if different from Below 24 HR			SDG No.
(xxx) xxx-xxxx FAX 678 775 3138	☐ 2 weeks			
Project Name: GOODYEAR DUMP SITE	☐ 1 week			
Site: 05-001-0098	☐ 2 days			
PO#	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Total Lead	PCBs	Sample Specific Notes:
✓ GYD-CS-11	7-16-09	1738	COMP	S	2		X	X	
✓ GYD-CS-12	↓	1745	↓	↓	2		X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

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

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

Special Instructions/QC Requirements & Comments: INVOICE TO: TETRA TECH
1955 EVERGREEN BLVD BLDG 200 STE 300
DULUTH, GA 30096

REPORTS TO: JESSICA VICKERS
JESSICA.VICKERS@TTEMI.COM

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TT	7-16-09 2100	[signature]	SGS	7/17/09 1010
Relinquished by:	Company:	Date/Time:	Received by: No Custody Seal	Company: 4.2° C	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

SGS Environmental Services, Inc.

Cust Proj ID: Goodyear Dump Site
Client Name: Tetra Tech EM, Inc. PO:

G368-74

Due Date: 2009-07-20 17:00:00
Login Date: 2009-07-17 10:16:46

Sample ID		Cust Sample ID	PRI	Date Collected	Date Received	Date Due	Matrix	LOC	Report	Analysis	Status
G368-74-1	A	GYD-CS-11	**RUSH**	2009-07-15 17:30:00	2009-07-17	2009-07-20	Soil	L1	Full + J's	8082-Soil	LG::REVW
						2009-07-20	Soil	L1	Full + J's	Pb	LG::REVW
	B					2009-07-20	Soil	W1D	Full + J's	8082-Soil	LG::REVW
						2009-07-20	Soil	W1D	Full + J's	Pb	LG::REVW
G368-74-2	A	GYD-CS-12	**RUSH**	2009-07-15 17:45:00	2009-07-17	2009-07-20	Soil	L1	Full + J's	8082-Soil	LG::REVW
						2009-07-20	Soil	L1	Full + J's	Pb	LG::REVW
	B					2009-07-20	Soil	W1D	Full + J's	8082-Soil	LG::REVW
						2009-07-20	Soil	W1D	Full + J's	Pb	LG::REVW

Sample Receipt Checklist (SRC)

SGS Environmetal Services Inc.

Client: **Tetra Tech EM, Inc.** Lab Proj. ID: **G368-74**

Client Proj. ID: **Goodyear Dump Site**

1. X Shipped
__ Hand Delivered

Notes:

2. X Proper, full, and complete documentation
(unique sample identification on durable label with indelible ink, location of collection, date/time of collection, collector's name, preservation type, sample type (method/matrix))
__ Acceptable documentation (but, incomplete)
__ Unacceptable documentation

Notes:

3. __ Custody Tape on Container
X No Custody Tape

Notes:

4. X Samples Intact*
(are in appropriate container, are not damaged, and do not show signs of contamination)
__ Samples Broken / Leaking
__ VOA Vials Checked for Air Bubbles

Notes:

5. X Chilled on Receipt* Actual Temp.(s) in °C: 4.2
__ Ambient on Receipt
__ Walk-in on Ice; Coming down to temp.
__ Received out of temperature protocol

Notes:

6. X Sufficient Sample Submitted
__ Insufficient Sample Submitted

Notes:

7. X Samples Preserved Correctly*
(see preservative checklist where applicable)
__ Improper Preservative(s)
__ None recommended (N/A)

Notes:

8. X Received Within Holding Time
__ Not Received Within Holding Time
__ N/A

Notes:

9. X No Discrepancies Noted
__ Discrepancies Noted

Notes:

Comments:

* = Rejection of sample is required when not marked; Contact client services immediately for a resolution.

Inspected and Logged in by:

DC27.091503.3

Date / Time: Fri-7/17/09 10:15

Results for Metals

Client Sample ID:	GYD-CS-11			Analyzed By:	PSW
Client Project ID:	Goodyear Dump Site			Date Collected:	7/15/2009 17:30
Lab Sample ID:	G368-74-1			Date Received:	7/17/2009
Lab Project ID:	G368-74			Matrix:	SOIL
ICP InitWt/Vol:	0.6 g	Final Vol:	50 mL	Solids	78.62
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14665				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**87.4**	1.06	0.656	1	MG/KG	6010B	7/17/2009	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: METALS.XLS

Results for Metals

Client Sample ID:	GYD-CS-12	Analyzed By:	PSW
Client Project ID:	Goodyear Dump Site	Date Collected:	7/15/2009 17:45
Lab Sample ID:	G368-74-2	Date Received:	7/17/2009
Lab Project ID:	G368-74	Matrix:	SOIL
ICP InitWt/Vol:	0.54 g Final Vol: 50 mL	Solids	74.60
Hg InitWt/Vol:	Final Vol:	Report Basis:	Dry
Prep Batch:	14665		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**415**	12.4	7.68	10	MG/KG	6010B	7/20/2009	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 071709a OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	1056	105.6	2500	2451	98.0	2500	2503	100.1	90-110
Antimony	1000			500			500			90-110
Arsenic	1000	1043	104.3	500	496	99.1	500	499	99.7	90-110
Barium	1000	1013	101.3	2500	2433	97.3	2500	2429	97.2	90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000	1013	101.3	500	493	98.6	500	479	95.8	90-110
Calcium	1000	1003	100.3	2500	2405	96.2	2500	2478	99.1	90-110
Chromium	1000	1026	102.6	500	485	96.9	500	483	96.6	90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	1059	105.9	2500	2473	98.9	2500	2482	99.3	90-110
Lead	1000	1016	101.6	500	484	96.9	500	486	97.1	90-110
Magnesium	1000	1033	103.3	2500	2462	98.5	2500	2497	99.9	90-110
Manganese	1000			500			500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000	1010	101.0	500	489	97.8	500	488	97.6	90-110
Silver	500	500	100.1	500	492	98.4	500	493	98.6	90-110
Sodium	1000			2500			2500			90-110
Thallium	1000			500			500			90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 071709a OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV (4)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	1056	105.6	2500	2530	101.2	2500	2607	104.3	90-110
Antimony	1000			500			500			90-110
Arsenic	1000	1043	104.3	500	517	103.5	500	528	105.5	90-110
Barium	1000	1013	101.3	2500	2461	98.4	2500	2492	99.7	90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000	1013	101.3	500	505	101.0	500	511	102.1	90-110
Calcium	1000	1003	100.3	2500	2503	100.1	2500	2580	103.2	90-110
Chromium	1000	1026	102.6	500	491	98.1	500	502	100.5	90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	1059	105.9	2500	2535	101.4	2500	2593	103.7	90-110
Lead	1000	1016	101.6	500	494	98.8	500	510	102.1	90-110
Magnesium	1000	1033	103.3	2500	2556	102.2	2500	2608	104.3	90-110
Manganese	1000			500			500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000	1010	101.0	500	501	100.1	500	512	102.4	90-110
Silver	500	500	100.1	500	490	98.1	500	496	99.3	90-110
Sodium	1000			2500			2500			90-110
Thallium	1000			500			500			90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 071709a OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (5)			CCV (6)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	1056	105.6	2500	2606	104.3	2500	2592	103.7	90-110
Antimony	1000			500			500			90-110
Arsenic	1000	1043	104.3	500	519	103.7	500	513	102.6	90-110
Barium	1000	1013	101.3	2500	2478	99.1	2500	2462	98.5	90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000	1013	101.3	500	510	101.9	500	507	101.5	90-110
Calcium	1000	1003	100.3	2500	2541	101.7	2500	2574	103.0	90-110
Chromium	1000	1026	102.6	500	500	100.1	500	500	99.9	90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	1059	105.9	2500	2534	101.3	2500	2503	100.1	90-110
Lead	1000	1016	101.6	500	497	99.5	500	500	100.0	90-110
Magnesium	1000	1033	103.3	2500	2584	103.4	2500	2562	102.5	90-110
Manganese	1000			500			500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000	1010	101.0	500	507	101.4	500	501	100.1	90-110
Silver	500	500	100.1	500	495	99.1	500	496	99.2	90-110
Sodium	1000			2500			2500			90-110
Thallium	1000			500			500			90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 072009a OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	977	97.7	2500	2727	109.1	2500	2764	110.546*	90-110
Antimony	1000			500			500			90-110
Arsenic	1000			500			500			90-110
Barium	1000			2500			2500			90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000			500			500			90-110
Calcium	1000	977	97.7	2500	2608	104.3	2500	2603	104.1	90-110
Chromium	1000			500			500			90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	965	96.5	2500	2713	108.5	2500	2786	111.4216	90-110
Lead	1000	998	99.8	500	501	100.2	500	506	101.1	90-110
Magnesium	1000	996	99.6	2500	2592	103.7	2500	2597	103.9	90-110
Manganese	1000			500			500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000			500			500			90-110
Silver	500			500			500			90-110
Sodium	1000			2500			2500			90-110
Thallium	1000			500			500			90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 072009b OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	1000	958	95.8	2500	2712	108.5	2500	2695	107.8	90-110
Antimony	1000			500			500			90-110
Arsenic	1000			500			500			90-110
Barium	1000			2500			2500			90-110
Beryllium	1000			500			500			90-110
Boron	500			500			500			90-110
Cadmium	1000			500			500			90-110
Calcium	1000	972	97.2	2500	2546	101.8	2500	2516	100.6	90-110
Chromium	1000			500			500			90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	950	95.0	2500	2723	108.9	2500	2726	109.0	90-110
Lead	1000	1004	100.4	500	495	99.0	500	502	100.3	90-110
Magnesium	1000	997	99.7	2500	2555	102.2	2500	2506	100.2	90-110
Manganese	1000			500			500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000			500			500			90-110
Silver	500			500			500			90-110
Sodium	1000			2500			2500			90-110
Thallium	1000			500			500			90-110
Tin	500			500			500			90-110
Vanadium	1000			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

Form 2B
CRDL

Lab Name: SGS Environmental Services

Batch ID: 071709a

Concentration Units: ug/L

Analyte	Initial			QC Limit Range
	True	Found	%R	
Aluminum	100	119	119	50-150
Antimony	40.0			50-150
Arsenic	10.0	13.0	130	50-150
Barium	100	126	126	50-150
Beryllium	10.0			50-150
Boron	10.0			50-150
Cadmium	5.00	8.08	162*	50-150
Calcium	100	241	241*	50-150
Chromium	10.0	14.1	141	50-150
Cobalt	10.0			50-150
Copper	10.0			50-150
Iron	100	109	109	50-150
Lead	10.0	12.2	122	50-150
Magnesium	100	137	137	50-150
Manganese	10.0			50-150
Molybdenum	10.0			50-150
Nickel	10.0			50-150
Potassium	200			50-150
Selenium	20.0	22.6	113	50-150
Silver	10.0	12.4	124	50-150
Sodium	200			50-150
Thallium	10.0			50-150
Tin	10.0			50-150
Vanadium	50.0			50-150
Zinc	20.0			50-150

Form 2B
CRDL

Lab Name: SGS Environmental Services

Batch ID: 072009a

Concentration Units: ug/L

Analyte	Initial			QC Limit Range
	True	Found	%R	
Aluminum	100	29.0	29.0*	50-150
Antimony	40.0			50-150
Arsenic	10.0			50-150
Barium	100			50-150
Beryllium	10.0			50-150
Boron	10.0			50-150
Cadmium	5.00			50-150
Calcium	100	78.3	78.3	50-150
Chromium	10.0			50-150
Cobalt	10.0			50-150
Copper	10.0			50-150
Iron	100	32.3	32.3*	50-150
Lead	10.0	8.69	86.9	50-150
Magnesium	100	95.2	95.2	50-150
Manganese	10.0			50-150
Molybdenum	10.0			50-150
Nickel	10.0			50-150
Potassium	200			50-150
Selenium	20.0			50-150
Silver	10.0			50-150
Sodium	200			50-150
Thallium	10.0			50-150
Tin	10.0			50-150
Vanadium	50.0			50-150
Zinc	20.0			50-150

Form 2B
CRDL

Lab Name: SGS Environmental Services

Batch ID: 072009b

Concentration Units: ug/L

Analyte	Initial			QC Limit Range
	True	Found	%R	
Aluminum	100	46.8	46.8*	50-150
Antimony	40.0			50-150
Arsenic	10.0			50-150
Barium	100			50-150
Beryllium	10.0			50-150
Boron	10.0			50-150
Cadmium	5.00			50-150
Calcium	100	83.0	83.0	50-150
Chromium	10.0			50-150
Cobalt	10.0			50-150
Copper	10.0			50-150
Iron	100	41.4	41.4*	50-150
Lead	10.0	9.57	95.7	50-150
Magnesium	100	102	102	50-150
Manganese	10.0			50-150
Molybdenum	10.0			50-150
Nickel	10.0			50-150
Potassium	200			50-150
Selenium	20.0			50-150
Silver	10.0			50-150
Sodium	200			50-150
Thallium	10.0			50-150
Tin	10.0			50-150
Vanadium	50.0			50-150
Zinc	20.0			50-150

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 071709a OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C	4	C		
Aluminum	100	U	100	U	100	U	100	U		
Antimony										
Arsenic	10	U	10	U	10	U	10	U		
Barium	100	U	100	U	100	U	100	U		
Beryllium										
Boron										
Cadmium	10	U	10	U	10	U	10	U		
Calcium	100	U	100	U	100	U	100	U		
Chromium	10	U	10	U	10	U	10	U		
Cobalt										
Copper										
Iron	100	U	100	U	100	U	100	U		
Lead	10	U	10	U	10	U	10	U		
Magnesium	100	U	100	U	100	U	100	U		
Manganese										
Molybdenum										
Mercury										
Nickel										
Potassium										
Selenium	20	U	20	U	20	U	20	U		
Silver	10	U	10	U	10	U	10	U		
Sodium										
Thallium										
Tin										
Vanadium										
Zinc										

Comments:

FORM III - METALS

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 071709a OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	5	C	6	C		C		
Aluminum	100	U	100	U	100	U				
Antimony										
Arsenic	10	U	10	U	10	U				
Barium	100	U	100	U	100	U				
Beryllium										
Boron										
Cadmium	10	U	10	U	10	U				
Calcium	100	U	100	U	100	U				
Chromium	10	U	10	U	10	U				
Cobalt										
Copper										
Iron	100	U	100	U	100	U				
Lead	10	U	10	U	10	U				
Magnesium	100	U	100	U	100	U				
Manganese										
Molybdenum										
Mercury										
Nickel										
Potassium										
Selenium	20	U	20	U	20	U				
Silver	10	U	10	U	10	U				
Sodium										
Thallium										
Tin										
Vanadium										
Zinc										

Comments:

FORM III - METALS

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 072009a OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C		C		C		
Aluminum	100	U	100	U						
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium	100	U	100	U						
Chromium										
Cobalt										
Copper										
Iron	100	U	100	U						
Lead	10	U	10	U						
Magnesium	100	U	100	U						
Manganese										
Molybdenum										
Mercury										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Thallium										
Tin										
Vanadium										
Zinc										

Comments:

FORM III - METALS

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 072009b OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C		C		C		
Aluminum	100	U	100	U						
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium	100	U	100	U						
Chromium										
Cobalt										
Copper										
Iron	100	U	100	U						
Lead	10	U	10	U						
Magnesium	100	U	100	U						
Manganese										
Molybdenum										
Mercury										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Thallium										
Tin										
Vanadium										
Zinc										

Comments:

FORM III - METALS

Results for Metals

Client Sample ID:	Lab Blank			Analyzed By:	PSW
Client Project ID:				Date Collected:	
Lab Sample ID:	pb14665			Date Received:	
Lab Project ID:				Matrix:	SOIL
ICP InitWt/Vol:	0.5 g	Final Vol:	50 mL	Solids	100.00
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14665				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**0.871**	1.00	0.619	1	MG/KG	6010B	7/17/2009	JB

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SGS Environmental Services ICS Source: Environmental Express

Batch ID: 071709a ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R	QC Limit Range %
Aluminum	100000	100000	101351	96491.4	96.5	105618	100132	100.1	80 - 120
Antimony	0	300	0	0	0*	0	0	0*	80 - 120
Arsenic	0	300	12.8	296	98.7	4.77	305.84	101.9	80 - 120
Barium	0	1000	23.66	955.05	95.5	23.75	959.9	96.0	80 - 120
Beryllium	0	300	0	0	0*	0	0	0*	80 - 120
Cadmium	0	300	-0.02	269.8	89.9	0.79	285.55	95.2	80 - 120
Calcium	40000	40000	40710.8	38285.1	95.7	43735.8	40118.2	100.3	80 - 120
Chromium	0	300	6.02	281.98	94.0	6.74	290.45	96.8	80 - 120
Cobalt	0	300	0	0	0*	0	0	0*	80 - 120
Copper	0	300	0	0	0*	0	0	0*	80 - 120
Iron	100000	100000	100404	96000.7	96.0	101916	97490.6	97.5	80 - 120
Lead	0	300	2.66	274.07	91.4	3.62	283.33	94.4	80 - 120
Magnesium	40000	40000	39656.3	36994.7	92.5	41618	38621.6	96.6	80 - 120
Manganese	0	300	0	0	0*	0	0	0*	80 - 120
Nickel	0	300	0	0	0*	0	0	0*	80 - 120
Potassium	0	0	0	0	n/a	0	0	n/a	80 - 120
Selenium	0	300	26.21	310.21	103.4	37.51	321.94	107.3	80 - 120
Silver	0	300	2.71	279.53	93.2	2.75	285.74	95.2	80 - 120
Sodium	0	0	0	0	n/a	0	0	n/a	80 - 120
Thallium	0	300	0	0	0*	0	0	0*	80 - 120
Vanadium	0	300	0	0	0*	0	0	0*	80 - 120
Zinc	0	300	0	0	0*	0	0	0*	80 - 120

FORM IV - METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SGS Environmental Services ICS Source: Environmental Express

Batch ID: 072009a ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R	QC Limit Range %
Aluminum	100000	100000	98722.1	99474.7	99.5	100495	100376	100.4	80 - 120
Antimony	0	300	0	0	0*	0	0	0*	80 - 120
Arsenic	0	300	0	0	0*	0	0	0*	80 - 120
Barium	0	1000	0	0	0*	0	0	0*	80 - 120
Beryllium	0	300	0	0	0*	0	0	0*	80 - 120
Cadmium	0	300	0	0	0*	0	0	0*	80 - 120
Calcium	40000	40000	39649.4	39486.3	98.7	40652.3	39976.2	99.9	80 - 120
Chromium	0	300	0	0	0*	0	0	0*	80 - 120
Cobalt	0	300	0	0	0*	0	0	0*	80 - 120
Copper	0	300	0	0	0*	0	0	0*	80 - 120
Iron	100000	100000	98006.3	98690.9	98.7	99092.5	100030	100.0	80 - 120
Lead	0	300	0.89	285.32	95.1	1.83	290.66	96.9	80 - 120
Magnesium	40000	40000	39260.3	39236.5	98.1	39997.2	39875.1	99.7	80 - 120
Manganese	0	300	0	0	0*	0	0	0*	80 - 120
Nickel	0	300	0	0	0*	0	0	0*	80 - 120
Potassium	0	0	0	0	n/a	0	0	n/a	80 - 120
Selenium	0	300	0	0	0*	0	0	0*	80 - 120
Silver	0	300	0	0	0*	0	0	0*	80 - 120
Sodium	0	0	0	0	n/a	0	0	n/a	80 - 120
Thallium	0	300	0	0	0*	0	0	0*	80 - 120
Vanadium	0	300	0	0	0*	0	0	0*	80 - 120
Zinc	0	300	0	0	0*	0	0	0*	80 - 120

FORM IV - METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SGS Environmental Services ICS Source: Environmental Express

Batch ID: 072009b ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R	QC Limit Range %
Aluminum	100000	100000	98693.7	97873.1	97.9	98957.2	97673.1	97.7	80 - 120
Antimony	0	300	0	0	0*	0	0	0*	80 - 120
Arsenic	0	300	0	0	0*	0	0	0*	80 - 120
Barium	0	1000	0	0	0*	0	0	0*	80 - 120
Beryllium	0	300	0	0	0*	0	0	0*	80 - 120
Cadmium	0	300	0	0	0*	0	0	0*	80 - 120
Calcium	40000	40000	39884	38485.7	96.2	39581.8	38460.3	96.2	80 - 120
Chromium	0	300	0	0	0*	0	0	0*	80 - 120
Cobalt	0	300	0	0	0*	0	0	0*	80 - 120
Copper	0	300	0	0	0*	0	0	0*	80 - 120
Iron	100000	100000	97315.3	97630.6	97.6	96780.5	96259.8	96.3	80 - 120
Lead	0	300	5.07	285.51	95.2	-2.25	286.25	95.4	80 - 120
Magnesium	40000	40000	38959	38445.6	96.1	38873.6	38379.8	95.9	80 - 120
Manganese	0	300	0	0	0*	0	0	0*	80 - 120
Nickel	0	300	0	0	0*	0	0	0*	80 - 120
Potassium	0	0	0	0	n/a	0	0	n/a	80 - 120
Selenium	0	300	0	0	0*	0	0	0*	80 - 120
Silver	0	300	0	0	0*	0	0	0*	80 - 120
Sodium	0	0	0	0	n/a	0	0	n/a	80 - 120
Thallium	0	300	0	0	0*	0	0	0*	80 - 120
Vanadium	0	300	0	0	0*	0	0	0*	80 - 120
Zinc	0	300	0	0	0*	0	0	0*	80 - 120

FORM IV - METALS

METALS Results for LCS/LCD

ICP Batch: 14665
HG Batch:
Other:

Matrix: SOIL
Units: MG/KG

Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	39.2	37.2	94.9		36.0	91.8		80	120	3.28		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

MS/MSD Results for METALS

Lab ID: G368-74-1
MS Lab ID: G368-74-1
MSD Lab ID: G368-74-1
ICP Batch: 14665
HG Batch:
Other:

Analyzed By: PSW
Matrix: Soil
Units: MG/KG
Solids: 78.62

Analyte	Sample Result	SA MS	MS Result	MS %REC		SA MSD	MSD Result	MSD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	87.4	47.1	204	248	*	43.1	153	152	*	75	125	28.6	*	20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

10 - MOD
Instrument Detection Limits

Lab Name: SGS Environmental Services

Instrument ID: ICP Date: 09/04/08

Analyte	Wavelength (nm)	CRDL ug/L	IDL ug/L	Method
Aluminum	308.214	100	59.3	6010B
Antimony	206.833	60	2.98	6010B
Arsenic	188.978	10	4.87	6010B
Barium	233.523	100	1.82	6010B
Beryllium	313.100	10	7.12	6010B
Cadmium	214.437	10	0.819	6010B
Calcium	317.931	100	8.44	6010B
Chromium	267.708	10	1.32	6010B
Cobalt	228.615	10	2.22	6010B
Copper	324.754	10	0.762	6010B
Iron	259.936	100	47.8	6010B
Lead	220.352	10	4.74	6010B
Magnesium	279.073	100	35.4	6010B
Manganese	257.609	10	0.725	6010B
Mercury	253.700	0.2		7470
Nickel	231.602	10	3.72	6010B
Potassium	766.429	100	18.1	6010B
Selenium	196.028	20	5.72	6010B
Silver	328.071	10	0.525	6010B
Sodium	589.550	200	5.79	6010B
Thallium	190.796	10	9.18	6010B
Vanadium	292.399	50	4.04	6010B
Zinc	213.859	20	1.74	6010B

FORM X - METALS

Prep Report for Batch 14665 (METALS/3050/SOIL) on 2009-07-17 by crn

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time	Balance
G368-74-1C (632988)		0.60			50	R-1717	R-1714		HB 2	1300	pb3002-sb
G368-74-1D (632989)	ms	0.54	0623-752,0709-753,06	.5,.5,.25	50	R-1717	R-1714		HB 2	1300	pb3002-sb
G368-74-1E (632990)	msd	0.59	0623-752,0709-753,06	.5,.5,.25	50	R-1717	R-1714		HB 2	1300	pb3002-sb
G368-74-1F (632991)	dup	0.53			50	R-1717	R-1714		HB 2	1300	pb3002-sb
G368-74-2C (632996)		0.54			50	R-1717	R-1714		HB 2	1300	pb3002-sb
lcd14665	lcd	0.59	0623-752,0709-753,06	.5,.5,.25	50	R-1717	R-1714		HB 2	1300	pb3002-sb
lcs14665	lcs	0.51	0623-752,0709-753,06	.5,.5,.25	50	R-1717	R-1714		HB 2	1300	pb3002-sb
pb14665	pb	0.50			50	R-1717	R-1714		HB 2	1300	pb3002-sb

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 071709a

Case No: G368-74

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/17/2009 End Date: 7/17/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
1	CalBlank	1	15:20		X	X		X	X			X		X	X					
2	Std3-	1	15:25		X	X		X	X			X		X						
3	Std4-	1	15:28																	
4	Std5-	1	15:31												X					
5	Std2-	1	15:33		X	X		X	X			X		X	X					
6	Std1-	1	15:37		X	X		X	X			X		X	X					
7	icv	1	15:41		X	X		X	X			X		X	X					
8	icsA1	1	15:46		X	X		X	X			X		X	X					
9	icsB1	1	15:50		X	X		X	X			X		X	X					
10	lowstd	1	15:54		X	X		X	X			X		X	X					
11	ccv1	1	15:58		X	X		X	X			X		X	X					
12	ccb1	1	16:03		X	X		X	X			X		X	X					
13	pb14637	1	16:07		X	X		X	X			X		X	X					
14	lcs14637	1	16:11		X	X		X	X			X		X	X					
15	lcd14637	1	16:16		X	X		X	X			X		X	X					
16	G734-124-4B	1	16:20		X	X		X	X			X		X	X					
17	G734-124-4B	1	16:24		X	X		X	X			X		X	X					
18	G734-124-4C	1	16:29		X	X		X	X			X		X	X					
19	G734-124-4D	1	16:33		X	X		X	X			X		X	X					
20	G734-124-3B	1	16:37		X	X		X	X			X		X	X					
21	G734-124-3B	1	16:41		X	X		X	X			X		X	X					
22	G734-124-3C	1	16:46		X	X		X	X			X		X	X					
23	ccv2	1	16:50		X	X		X	X			X		X	X					
24	ccb2	1	16:54		X	X		X	X			X		X	X					
25	G734-124-3C	1	16:59		X	X		X	X			X		X	X					
26	tblk071309b	1	17:03		X	X		X	X			X		X	X					
27	G734-124-3C	5	17:07		X	X		X	X			X		X	X					
28	pb14636	1	17:11		X	X		X	X			X		X	X					
29	lcs14636	1	17:16		X	X		X	X			X		X	X					
30	lcd14636	1	17:20		X	X		X	X			X		X	X					
31	G582-399-3B	1	17:24		X	X		X	X			X		X	X					
32	G582-399-3B	1	17:29		X	X		X	X			X		X	X					
33	G582-399-3C	1	17:33		X	X		X	X			X		X	X					
34	G582-399-3D	1	17:37		X	X		X	X			X		X	X					
35	ccv3	1	17:42		X	X		X	X			X		X	X					

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 071709a

Case No: G368-74

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/17/2009 End Date: 7/17/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
36	ccb3	1	17:46		X	X		X	X			X		X	X					
37	G582-398-3B	1	17:50		X	X		X	X					X	X					
38	G582-398-3B	1	17:54		X	X		X	X					X	X					
39	G582-400-3B	1	17:59		X	X		X	X			X		X	X					
40	G582-400-3B	1	18:03		X	X		X	X			X		X	X					
41	G582-401-3B	1	18:07		X	X		X	X			X		X	X					
42	G582-401-3B	1	18:12		X	X		X	X			X		X	X					
43	G239-900-3C	1	18:16		X	X		X	X			X		X	X					
44	G239-900-3C	1	18:20		X	X		X	X			X		X	X					
45	G239-901-3C	1	18:24		X	X		X	X			X		X	X					
46	G239-901-3C	1	18:29		X	X		X	X			X		X	X					
47	ccv4	1	18:33		X	X		X	X			X		X	X					
48	ccb4	1	18:37		X	X		X	X			X		X	X					
49	G239-901-3D	1	18:41		X	X		X	X			X		X	X					
50	G239-901-3D	1	18:46		X	X		X	X			X		X	X					
51	tblk071309a	1	18:50		X	X		X	X			X		X	X					
52	G239-901-3D	5	18:54		X	X		X	X			X		X	X					
53	pb14665	1	18:59		X	X		X	X			X		X	X					
54	lcs14665	1	19:03		X	X		X	X			X		X	X					
55	lcd14665	1	19:07		X	X		X	X			X		X	X					
56	**GYD-CS-11**	1	19:11		X	X		X	X			X		X	X					
57	**GYD-CS-11**	1	19:16		X	X		X	X					X	X					
58	**GYD-CS-11**	1	19:20		X	X		X	X					X	X					
59	ccv5	1	19:24		X	X		X	X			X		X	X					
60	ccb5	1	19:29		X	X		X	X			X		X	X					
61	**GYD-CS-11**	1	19:33		X	X		X	X			X		X	X					
62	**GYD-CS-11**	5	19:37		X	X		X	X			X		X	X					
63	**GYD-CS-12**	1	19:42		X	X		X	X					X	X					
64	icsA2	1	19:46		X	X		X	X			X		X	X					
65	icsB2	1	19:50		X	X		X	X			X		X	X					
66	ccv6	1	19:54		X	X		X	X			X		X	X					
67	ccb6	1	19:59		X	X		X	X			X		X	X					

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 072009a

Case No: G368-74

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/20/2009 End Date: 7/20/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
1	CalBlank	1	09:27									X								
2	Std3-	1	09:30									X								
3	Std4-	1	09:32																	
4	Std2-	1	09:35									X								
5	Std1-	1	09:38									X								
6	icv	1	09:41									X								
7	icsA1	1	09:44									X								
8	icsB1	1	09:47									X								
9	lowstd	1	09:50									X								
10	ccv1	1	09:53									X								
11	ccb1	1	09:56									X								
12	G582-398-3B	10	09:58									X								
13	G582-398-3B	10	10:01									X								
14	**GYD-CS-12**	10	10:04									X								
15	icsA2	1	10:07									X								
16	icsB2	1	10:10									X								
17	ccv2	1	10:13									X								
18	ccb2	1	10:16									X								

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 072009b

Case No: G368-74

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/20/2009 End Date: 7/20/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
1	CalBlank	1	11:13									X								
2	Std3-	1	11:16									X								
3	Std4-	1	11:18																	
4	Std2-	1	11:21									X								
5	Std1-	1	11:23									X								
6	icv	1	11:26									X								
7	icsA1	1	11:29									X								
8	icsB1	1	11:32									X								
9	lowstd	1	11:35									X								
10	ccv1	1	11:38									X								
11	ccb1	1	11:41									X								
12	**GYD-CS-11**	10	11:44									X								
13	**GYD-CS-11**	10	11:47									X								
14	icsA2	1	11:50									X								
15	icsB2	1	11:53									X								
16	ccv2	1	11:56									X								
17	ccb2	1	11:59									X								

Analytical Sequence

Method : TALmethod_new

CN

0720096

Seq.	Loc.	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3- High	Applied
3	5	Std4- High	Applied
4	6	Std5- High 0ES072009-1	Skipped
5	3	Std2- Mid	Applied
6	2	Std1- Low	Applied
7	7	icv	Analyzed
8	8	icsA1	Analyzed
9	9	icsB1	Analyzed
10	2	lowstd	Analyzed
11	3	ccv1	Analyzed
12	1	ccb1	Analyzed
13	70	G368-74-1D ms x10 Fe Al	Analyzed
14	71	G368-74-1E msd x10 "	Analyzed
15	8	icsA2	Analyzed
16	9	icsB2	Analyzed
17	3	ccv2	Analyzed
18	1	ccb2	Analyzed

SGS

Home Login Prep Samples Reports Reference Audit

Procedure Pass One - Looking for Global Failures ...

Checking ICV for failures...

Checking CCB1 for failures...

Checking ICSA1 for failures ...

Checking ICSB1 for failures ...

Flagging additional CCV/CCB/CVS pairs ...

Flagging additional ICSA/ICSB pairs ...

QC Pass 2 ...
Error Guide: G - Global CCV/ICS - Batch SD - Needs Dilution SAT - Saturated
H - High L - Low IS - Internal Standard

G368-74-1D - SD: Al Fe
G368-74-1E - SD: Al Fe

Return to Upload

Return to PALims

Analysis Begun

Start Time: 7/20/2009 11:13:31 AM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 7/20/2009 08:07:20 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\072009b.sif
Batch ID:
Results Data Set: 072009b
Results Library: C:\pe\Anyone\Results\Results.mdb

Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/20/2009 11:13:31 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Pb 220	966.1	42.30	4.38%	[0.00]	mg/L
Fe 260	-2212.6	910.93	41.17%	[0.00]	mg/L
Mg 279	-195.9	96.21	49.11%	[0.00]	mg/L
Al 308	1980.8	302.68	15.28%	[0.00]	mg/L
Ca 318	357.8	0.00	0.00%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Std3- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/20/2009 11:16:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3- High

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: Std3- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Pb 220	43640.1	303.93	0.70%	[1]	mg/L

Sequence No.: 3
Sample ID: Std4- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 7/20/2009 11:18:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std4- High

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: Std4- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Fe 260	451599.8	3544.64	0.78%	[5]	mg/L
Mg 279	44039.5	757.31	1.72%	[5]	mg/L
Al 308	84010.2	261.39	0.31%	[5]	mg/L

Ca 318	422506.9	1386.95	0.33%	[5] mg/L

Sequence No.: 5
Sample ID: Std2- Mid
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/20/2009 11:21:04 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std2- Mid

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: Std2- Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Pb 220	21498.9	246.28	1.15%	[0.5]	mg/L
Fe 260	251562.5	4250.99	1.69%	[2.5]	mg/L
Mg 279	22349.1	177.76	0.80%	[2.5]	mg/L
Al 308	46694.9	228.76	0.49%	[2.5]	mg/L
Ca 318	214112.5	1725.06	0.81%	[2.5]	mg/L

Sequence No.: 6
Sample ID: Std1- Low
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/20/2009 11:23:57 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std1- Low

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: Std1- Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Pb 220	505.2	42.79	8.47%	[0.01]	mg/L
Fe 260	8803.0	0.00	0.00%	[0.1]	mg/L
Mg 279	815.2	101.25	12.42%	[0.1]	mg/L
Al 308	1448.4	149.37	10.31%	[0.1]	mg/L
Ca 318	6451.4	100.30	1.55%	[0.1]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Pb 220	3	Lin, Calc Int	-27.2	43550	0.00000	0.999967	
Fe 260	3	Lin, Calc Int	4590.7	91260	0.00000	0.998271	
Mg 279	3	Lin, Calc Int	30.3	8827	0.00000	0.999966	
Al 308	3	Lin, Calc Int	749.5	16990	0.00000	0.998310	
Ca 318	3	Lin, Calc Int	-385.1	84820	0.00000	0.999957	

Sequence No.: 7
Sample ID: icv
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/20/2009 11:26:53 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD

Pb 220	43688.3	1.00	mg/L	0.007	1.00	mg/L	0.007	0.66%
Fe 260	91320.7	0.950	mg/L	0.0122	0.950	mg/L	0.0122	1.29%
Mg 279	8828.5	0.997	mg/L	0.0159	0.997	mg/L	0.0159	1.60%
Al 308	17033.2	0.958	mg/L	0.0084	0.958	mg/L	0.0084	0.87%
Ca 318	82092.8	0.972	mg/L	0.0125	0.972	mg/L	0.0125	1.29%

Sequence No.: 8
Sample ID: icsA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/20/2009 11:29:47 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: icsA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	193.5	0.0051	mg/L	0.00395	0.0051	mg/L	0.00395	77.91%
Fe 260	8885921.2	97.3	mg/L	1.51	97.3	mg/L	1.51	1.55%
Mg 279	343908.4	39.0	mg/L	0.14	39.0	mg/L	0.14	0.36%
Al 308	1677965.3	98.7	mg/L	0.59	98.7	mg/L	0.59	0.60%
Ca 318	3382465.6	39.9	mg/L	0.18	39.9	mg/L	0.18	0.45%

Sequence No.: 9
Sample ID: icsB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/20/2009 11:32:45 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	12405.5	0.286	mg/L	0.0044	0.286	mg/L	0.0044	1.53%
Fe 260	8914696.6	97.6	mg/L	0.36	97.6	mg/L	0.36	0.37%
Mg 279	339376.9	38.4	mg/L	0.18	38.4	mg/L	0.18	0.47%
Al 308	1664018.7	97.9	mg/L	1.50	97.9	mg/L	1.50	1.54%
Ca 318	3263867.1	38.5	mg/L	0.15	38.5	mg/L	0.15	0.39%

Sequence No.: 10
Sample ID: lowstd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/20/2009 11:35:41 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	389.5	0.0096	mg/L	0.00098	0.0096	mg/L	0.00098	10.26%
Fe 260	8373.6	0.0414	mg/L	0.00665	0.0414	mg/L	0.00665	16.05%
Mg 279	934.0	0.102	mg/L	0.0133	0.102	mg/L	0.0133	13.00%
Al 308	1545.2	0.0468	mg/L	0.03214	0.0468	mg/L	0.03214	68.64%
Ca 318	6653.0	0.0830	mg/L	0.00000	0.0830	mg/L	0.00000	0.00%

Sequence No.: 11
Sample ID: ccv1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/20/2009 11:38:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	21524.2	0.495	mg/L	0.0010	0.495	mg/L	0.0010	0.21%
Fe 260	253140.1	2.72	mg/L	0.033	2.72	mg/L	0.033	1.22%
Mg 279	22580.7	2.55	mg/L	0.054	2.55	mg/L	0.054	2.10%
Al 308	46840.2	2.71	mg/L	0.015	2.71	mg/L	0.015	0.57%
Ca 318	215520.0	2.55	mg/L	0.019	2.55	mg/L	0.019	0.74%

Sequence No.: 12
Sample ID: ccb1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/20/2009 11:41:34 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: ccb1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	92.1	0.0027	mg/L	0.00038	0.0027	mg/L	0.00038	13.89%
Fe 260	429.4	-0.0456	mg/L	0.00333	-0.0456	mg/L	0.00333	7.30%
Mg 279	-45.2	-0.0086	mg/L	0.00939	-0.0086	mg/L	0.00939	109.79%
Al 308	-100.7	-0.0500	mg/L	0.00879	-0.0500	mg/L	0.00879	17.57%
Ca 318	511.6	0.0106	mg/L	0.00399	0.0106	mg/L	0.00399	37.71%

Sequence No.: 13
Sample ID: G368-74-1D ms x10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 7/20/2009 11:44:30 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-74-1D ms x10

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G368-74-1D ms x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	7508.4	0.173	mg/L	0.0006	0.173	mg/L	0.0006	0.37%
Fe 260	2063689.0	22.6	mg/L	0.20	22.6	mg/L	0.20	0.89%
Mg 279	27222.7	3.08	mg/L	0.007	3.08	mg/L	0.007	0.22%
Al 308	242582.2	14.2	mg/L	0.17	14.2	mg/L	0.17	1.17%
Ca 318	326935.1	3.86	mg/L	0.012	3.86	mg/L	0.012	0.30%

Sequence No.: 14
Sample ID: G368-74-1E msd x10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 71
Date Collected: 7/20/2009 11:47:29 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-74-1E msd x10

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G368-74-1E msd x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	6139.4	0.142	mg/L	0.0017	0.142	mg/L	0.0017	1.22%
Fe 260	2326850.3	25.4	mg/L	0.06	25.4	mg/L	0.06	0.25%
Mg 279	31917.9	3.61	mg/L	0.002	3.61	mg/L	0.002	0.07%
Al 308	240642.0	14.1	mg/L	0.10	14.1	mg/L	0.10	0.72%
Ca 318	421638.7	4.98	mg/L	0.054	4.98	mg/L	0.054	1.08%

Sequence No.: 15
Sample ID: icsA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/20/2009 11:50:27 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: icsA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-125.4	-0.0023	mg/L	0.00157	-0.0023	mg/L	0.00157	69.78%
Fe 260	8837117.1	96.8	mg/L	0.12	96.8	mg/L	0.12	0.12%
Mg 279	343154.4	38.9	mg/L	0.32	38.9	mg/L	0.32	0.82%
Al 308	1682442.5	99.0	mg/L	0.03	99.0	mg/L	0.03	0.03%
Ca 318	3356836.0	39.6	mg/L	0.39	39.6	mg/L	0.39	0.99%

Sequence No.: 16
Sample ID: icsB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/20/2009 11:53:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: icsB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	12437.5	0.286	mg/L	0.0043	0.286	mg/L	0.0043	1.51%
Fe 260	8789592.2	96.3	mg/L	0.23	96.3	mg/L	0.23	0.24%
Mg 279	338796.0	38.4	mg/L	0.36	38.4	mg/L	0.36	0.94%
Al 308	1660620.8	97.7	mg/L	0.25	97.7	mg/L	0.25	0.26%
Ca 318	3261715.8	38.5	mg/L	0.31	38.5	mg/L	0.31	0.80%

Sequence No.: 17
Sample ID: ccv2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/20/2009 11:56:17 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: ccv2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	21817.7	0.502	mg/L	0.0027	0.502	mg/L	0.0027	0.54%
Fe 260	253354.8	2.73	mg/L	0.037	2.73	mg/L	0.037	1.34%
Mg 279	22150.6	2.51	mg/L	0.004	2.51	mg/L	0.004	0.15%
Al 308	46548.6	2.69	mg/L	0.008	2.69	mg/L	0.008	0.30%
Ca 318	213015.0	2.52	mg/L	0.036	2.52	mg/L	0.036	1.42%

Sequence No.: 18
Sample ID: ccb2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/20/2009 11:59:17 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-146.2	-0.0027	mg/L	0.00231	-0.0027	mg/L	0.00231	84.64%
Fe 260	-429.4	-0.0550	mg/L	0.02994	-0.0550	mg/L	0.02994	54.44%
Mg 279	-59.5	-0.0102	mg/L	0.00407	-0.0102	mg/L	0.00407	39.97%
Al 308	-16.5	-0.0451	mg/L	0.01644	-0.0451	mg/L	0.01644	36.46%
Ca 318	488.7	0.0103	mg/L	0.00032	0.0103	mg/L	0.00032	3.08%

Analytical Sequence

Method : TALmethod_new

CN 072009a

Seq.	Loc.	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3- High	Applied
3	5	Std4- High	Applied
4	6	Std5- High	Skipped
5	3	Std2- Mid	Applied
6	2	Std1- Low	Applied
7	7	icv	Analyzed
8	8	icsA1	Analyzed
9	9	icsB1	Analyzed
10	2	lowstd	Analyzed
11	3	ccv1	Analyzed
12	1	ccb1	Analyzed
13	60	G582-398-3B x10	Analyzed
14	61	G582-398-3B as x10	Analyzed
15	62	G368-74-2C x10	Analyzed
16	8	icsA2	Analyzed
17	9	icsB2	Analyzed
18	3	ccv2 Fe Al	Analyzed
19	1	ccb2	Analyzed

OES072009-1

SGS Laboratory Information Management System

Home Login Prep Samples Reports Reference Audit

Procedure Pass One - Looking for Global Failures ...

Checking ICV for failures...

Checking CCB1 for failures...

Checking ICSA1 for failures ...

Checking ICSB1 for failures ...

Flagging additional CCV/CCB/CVS pairs ...
ccv2 Al - FAIL High
ccv2 Fe - FAIL High

Flagging additional ICSA/ICSB pairs ...

QC Pass 2 ...
Error Guide: G - Global CCV/ICS - Batch SD - Needs Dilution SAT - Saturated
H - High L - Low IS - Internal Standard

G582-398-3B - CCV: Al Fe
G582-398-3B - CCV: Al Fe
G368-74-2C - CCV: Al Fe

Return to Upload

Return to PALims

==========

Analysis Begun

Start Time: 7/20/2009 09:27:16 AM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 7/20/2009 08:07:20 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\072009a.sif
Batch ID:
Results Data Set: 072009a
Results Library: C:\pe\Anyone\Results\Results.mdb

==========

Method Loaded

Method Name: TALmethod_new
IEC File: 091406.iec
Method Description: TAL with interference correction

Method Last Saved: 4/14/2009 04:46:02 PM
MSF File:

==========

Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/20/2009 09:27:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Pb 220	1021.2	104.12	10.20%	[0.00]	mg/L
Fe 260	-1997.9	607.28	30.40%	[0.00]	mg/L
Mg 279	-172.0	83.53	48.56%	[0.00]	mg/L
Al 308	1880.1	149.37	7.94%	[0.00]	mg/L
Ca 318	639.2	132.70	20.76%	[0.00]	mg/L

==========

Sequence No.: 2
Sample ID: Std3- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/20/2009 09:30:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3- High

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: Std3- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Pb 220	43944.9	337.07	0.77%	[1]	mg/L

==========

Sequence No.: 3
Sample ID: Std4- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 7/20/2009 09:32:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std4- High

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: Std4- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Fe 260	450596.4	1821.85	0.40%	[5]	mg/L
Mg 279	43615.1	803.59	1.84%	[5]	mg/L
Al 308	84001.4	405.30	0.48%	[5]	mg/L
Ca 318	419029.6	2521.23	0.60%	[5]	mg/L

==========

Sequence No.: 5
Sample ID: Std2- Mid
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/20/2009 09:35:25 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std2- Mid

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: Std2- Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Pb 220	21398.9	179.14	0.84%	[0.5]	mg/L
Fe 260	253569.5	3947.35	1.56%	[2.5]	mg/L
Mg 279	22316.7	592.69	2.66%	[2.5]	mg/L
Al 308	47328.1	149.37	0.32%	[2.5]	mg/L
Ca 318	212475.0	2581.22	1.21%	[2.5]	mg/L

==========

Sequence No.: 6
Sample ID: Std1- Low
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/20/2009 09:38:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std1- Low

Analyte	Back Pressure	Flow
All	258.0 kPa	0.70 L/min

Mean Data: Std1- Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Pb 220	389.7	37.79	9.70%	[0.01]	mg/L
Fe 260	7729.5	0.00	0.00%	[0.1]	mg/L
Mg 279	713.1	27.34	3.83%	[0.1]	mg/L
Al 308	1540.3	284.77	18.49%	[0.1]	mg/L
Ca 318	6474.3	0.00	0.00%	[0.1]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Pb 220	3	Lin, Calc Int	-127.0	43870	0.00000	0.999912	
Fe 260	3	Lin, Calc Int	4570.3	91270	0.00000	0.997877	
Mg 279	3	Lin, Calc Int	20.6	8758	0.00000	0.999910	
Al 308	3	Lin, Calc Int	907.4	17010	0.00000	0.997852	
Ca 318	3	Lin, Calc Int	-324.8	84120	0.00000	0.999956	

==========

Sequence No.: 7
Sample ID: icv
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/20/2009 09:41:13 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow

All	259.0 kPa	0.70 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	43635.3	0.998	mg/L	0.0028	0.998	mg/L	0.0028	0.29%
Fe 260	92609.0	0.965	mg/L	0.0089	0.965	mg/L	0.0089	0.92%
Mg 279	8743.0	0.996	mg/L	0.0042	0.996	mg/L	0.0042	0.42%
Al 308	17520.0	0.977	mg/L	0.0070	0.977	mg/L	0.0070	0.72%
Ca 318	81867.5	0.977	mg/L	0.0008	0.977	mg/L	0.0008	0.08%

Sequence No.: 8
Sample ID: icsA1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 8
Date Collected: 7/20/2009 09:44:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: icsA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-88.1	0.0009	mg/L	0.00226	0.0009	mg/L	0.00226	255.06%
Fe 260	8949119.8	98.0	mg/L	0.71	98.0	mg/L	0.71	0.73%
Mg 279	343870.5	39.3	mg/L	0.20	39.3	mg/L	0.20	0.50%
Al 308	1679704.2	98.7	mg/L	0.46	98.7	mg/L	0.46	0.47%
Ca 318	3334803.1	39.6	mg/L	0.69	39.6	mg/L	0.69	1.75%

Sequence No.: 9
Sample ID: icsB1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 7/20/2009 09:47:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	12389.7	0.285	mg/L	0.0056	0.285	mg/L	0.0056	1.96%
Fe 260	9011599.7	98.7	mg/L	0.52	98.7	mg/L	0.52	0.52%
Mg 279	343662.1	39.2	mg/L	0.50	39.2	mg/L	0.50	1.28%
Al 308	1692501.7	99.5	mg/L	0.20	99.5	mg/L	0.20	0.20%
Ca 318	3321081.7	39.5	mg/L	0.23	39.5	mg/L	0.23	0.58%

Sequence No.: 10
Sample ID: lowstd
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 7/20/2009 09:50:03 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Pb 220	254.2	0.0087 mg/L	0.00011	0.0087 mg/L	0.00011	1.22%
Fe 260	7514.8	0.0323 mg/L	0.00333	0.0323 mg/L	0.00333	10.31%
Mg 279	854.1	0.0952 mg/L	0.00401	0.0952 mg/L	0.00401	4.21%
Al 308	1400.0	0.0290 mg/L	0.01102	0.0290 mg/L	0.01102	38.06%
Ca 318	6259.0	0.0783 mg/L	0.00362	0.0783 mg/L	0.00362	4.63%

Sequence No.: 11
Sample ID: ccv1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/20/2009 09:53:03 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	21860.4	0.501	mg/L	0.0012	0.501	mg/L	0.0012	0.25%
Fe 260	252206.7	2.71	mg/L	0.033	2.71	mg/L	0.033	1.23%
Mg 279	22721.2	2.59	mg/L	0.013	2.59	mg/L	0.013	0.50%
Al 308	47274.8	2.73	mg/L	0.012	2.73	mg/L	0.012	0.45%
Ca 318	219062.6	2.61	mg/L	0.018	2.61	mg/L	0.018	0.68%

Sequence No.: 12
Sample ID: ccb1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/20/2009 09:56:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: ccb1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-88.9	0.0009	mg/L	0.00060	0.0009	mg/L	0.00060	68.73%
Fe 260	-1432.9	-0.0658	mg/L	0.00441	-0.0658	mg/L	0.00441	6.71%
Mg 279	73.1	0.0060	mg/L	0.00725	0.0060	mg/L	0.00725	121.08%
Al 308	93.0	-0.0479	mg/L	0.00105	-0.0479	mg/L	0.00105	2.20%
Ca 318	347.7	0.0080	mg/L	0.00111	0.0080	mg/L	0.00111	13.92%

Sequence No.: 13
Sample ID: G582-398-3B x10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 7/20/2009 09:58:57 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-398-3B x10

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: G582-398-3B x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	5772.8	0.134	mg/L	0.0021	0.134	mg/L	0.0021	1.54%
Fe 260	61835.7	0.627	mg/L	0.0067	0.627	mg/L	0.0067	1.06%
Mg 279	449.4	0.0490	mg/L	0.00274	0.0490	mg/L	0.00274	5.59%
Al 308	168.3	-0.0435	mg/L	0.00878	-0.0435	mg/L	0.00878	20.21%
Ca 318	121431.6	1.45	mg/L	0.002	1.45	mg/L	0.002	0.14%

Sequence No.: 14
Sample ID: G582-398-3B as x10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 7/20/2009 10:01:54 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-398-3B as x10

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: G582-398-3B as x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	15099.3	0.347	mg/L	0.0094	0.347	mg/L	0.0094	2.70%
Fe 260	166683.0	1.78	mg/L	0.026	1.78	mg/L	0.026	1.44%
Mg 279	487.7	0.0533	mg/L	0.00312	0.0533	mg/L	0.00312	5.85%
Al 308	229.4	-0.0399	mg/L	0.00435	-0.0399	mg/L	0.00435	10.90%
Ca 318	121014.4	1.44	mg/L	0.013	1.44	mg/L	0.013	0.91%

Sequence No.: 15
Sample ID: G368-74-2C x10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 7/20/2009 10:04:52 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-74-2C x10

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: G368-74-2C x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	14557.2	0.335	mg/L	0.0000	0.335	mg/L	0.0000	0.01%
Fe 260	3965992.5	43.4	mg/L	0.24	43.4	mg/L	0.24	0.54%
Mg 279	21089.4	2.41	mg/L	0.029	2.41	mg/L	0.029	1.20%
Al 308	200569.1	11.7	mg/L	0.00	11.7	mg/L	0.00	0.03%
Ca 318	162815.7	1.94	mg/L	0.000	1.94	mg/L	0.000	0.02%

Sequence No.: 16
Sample ID: icsA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/20/2009 10:07:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: icsA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-46.8	0.0018	mg/L	0.00014	0.0018	mg/L	0.00014	7.45%
Fe 260	9048244.6	99.1	mg/L	0.01	99.1	mg/L	0.01	0.01%
Mg 279	350324.5	40.0	mg/L	0.65	40.0	mg/L	0.65	1.63%
Al 308	1709851.6	100	mg/L	0.9	100	mg/L	0.9	0.88%
Ca 318	3419167.3	40.7	mg/L	0.10	40.7	mg/L	0.10	0.23%

Sequence No.: 17
Sample ID: icsB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/20/2009 10:10:47 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: icsB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	12623.8	0.291	mg/L	0.0023	0.291	mg/L	0.0023	0.80%
Fe 260	9133838.3	100	mg/L	0.0	100	mg/L	0.0	0.01%
Mg 279	349255.0	39.9	mg/L	0.66	39.9	mg/L	0.66	1.64%
Al 308	1707822.9	100	mg/L	0.7	100	mg/L	0.7	0.71%
Ca 318	3362297.2	40.0	mg/L	0.34	40.0	mg/L	0.34	0.84%

Sequence No.: 18
Sample ID: ccv2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/20/2009 10:13:46 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: ccv2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	22051.3	0.506	mg/L	0.0050	0.506	mg/L	0.0050	0.99%
Fe 260	258792.5	2.79	mg/L	0.004	2.79	mg/L	0.004	0.16%
Mg 279	22770.0	2.60	mg/L	0.007	2.60	mg/L	0.007	0.29%
Al 308	47904.1	2.76	mg/L	0.008	2.76	mg/L	0.008	0.28%
Ca 318	218621.1	2.60	mg/L	0.006	2.60	mg/L	0.006	0.24%

Sequence No.: 19
Sample ID: ccb2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/20/2009 10:16:43 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Pb 220	-59.3	0.0015	mg/L	0.00109	0.0015	mg/L	0.00109	70.74%
Fe 260	-214.7	-0.0524	mg/L	0.00333	-0.0524	mg/L	0.00333	6.35%
Mg 279	-66.5	-0.0100	mg/L	0.01501	-0.0100	mg/L	0.01501	150.87%
Al 308	249.8	-0.0387	mg/L	0.00476	-0.0387	mg/L	0.00476	12.30%
Ca 318	112.8	0.0052	mg/L	0.00679	0.0052	mg/L	0.00679	130.51%

Analytical Sequence

Method : TALmethod_new

071709a

CN
072009a

Seq.	Loc.	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3- High	Applied
3	5	Std4- High, OES 071709-1	Applied
4	6	Std5- High	Applied
5	3	Std2- Mid	Applied
6	2	Std1- Low	Applied
7	7	icv ✓	Analyzed
8	8	icsA1 ✓	Analyzed
9	9	icsB1 ✓	Analyzed
10	2	lowstd	Analyzed
11	3	ccv1 ✓	Analyzed
12	1	ccb1 ✓	Analyzed
13	10	pb14637 - Ca	Analyzed
14	11	lcs14637 ✓	Analyzed
15	12	lcd14637 ✓	Analyzed
16	13	G734-124-4B - Ca	Analyzed
17	14	G734-124-4B as - "	Analyzed
18	15	G734-124-4C ms - "	Analyzed
19	16	G734-124-4D msd - "	Analyzed
20	17	G734-124-3B - "	Analyzed
21	18	G734-124-3B as - "	Analyzed
22	19	G734-124-3C dup - "	Analyzed
23	3	ccv2 ✓	Analyzed
24	1	ccb2 ✓	Analyzed
25	20	G734-124-3C dup as - Ca	Analyzed
26	21	tblk071309b - Ca	Analyzed
27	22	G734-124-3C dup SDx5 - Ca	Analyzed
28	23	pb14636 ✓	Analyzed
29	24	lcs14636 ✓	Analyzed
30	25	lcd14636 ✓	Analyzed
31	26	G582-399-3B - Ca	Analyzed
32	27	G582-399-3B as - "	Analyzed
33	28	G582-399-3C ms - "	Analyzed
34	29	G582-399-3D msd - "	Analyzed
35	3	ccv3 ✓	Analyzed
36	1	ccb3 ✓	Analyzed
37	30	pb 107 G582-398-3B - Pb Fe Ca	Analyzed
38	31	G582-398-3B as - "	Analyzed
39	32	G582-400-3B - Ca	Analyzed
40	33	G582-400-3B as - Ca	Analyzed
41	34	G582-401-3B - Ca	Analyzed
42	35	G582-401-3B as - Ca	Analyzed
43	36	G239-900-3C - Mg Ca	Analyzed
44	37	G239-900-3C as - "	Analyzed
45	38	G239-901-3C - Ca	Analyzed
46	39	G239-901-3C as - Ca	Analyzed
47	3	ccv4 ✓	Analyzed
48	1	ccb4 ✓	Analyzed
49	40	G239-901-3D dup - Ca	Analyzed
50	41	G239-901-3D dup as - Ca	Analyzed
51	42	tblk071309a ✓	Analyzed
52	43	G239-901-3D dup SDx5	Analyzed
53	44	pb14665 ✓	Analyzed
54	45	lcs14665 ✓	Analyzed
55	46	lcd14665 ✓	Analyzed
56	47	G368-74-1C - Fe Mg Al Ca	Analyzed

Analytical Sequence

Method : TALmethod_new

Seq.	Loc.	Sample ID	Status
57	48	Pb 10X G368-74-1D ms - Pb FeMgAlCa	Analyzed
58	49	G368-74-1E msd - "	Analyzed
59	3	ccv5 ✓	Analyzed
60	1	ccb5 ✓	Analyzed
61	50	G368-74-1F dup - FeMgAlCa	Analyzed
62	51	G368-74-1F dup SDx5 - FeAl	Analyzed
63	52	Pb 10X - G368-74-2C - Pb FeMgAlCa	Analyzed
64	8	icsA2 ✓	Analyzed
65	9	icsB2 ✓	Analyzed
66	3	ccv6 ✓	Analyzed
67	1	ccb6 ✓	Analyzed

SGS

Home Login Prep Samples Reports Reference Audit

Procedure Pass One - Looking for Global Failures ...

Checking ICV for failures...

Checking CCB1 for failures...

Checking ICSA1 for failures ...

Checking ICSB1 for failures ...

Flagging additional CCV/CCB/CVS pairs ...

Flagging additional ICSA/ICSB pairs ...

QC Pass 2 ...
Error Guide: G - Global CCV/ICS - Batch SD - Needs Dilution SAT - Saturated
H - High L - Low IS - Internal Standard

pb14637 - PASS
lcs14637 - PASS
lcd14637 - PASS
G734-124-4B - SD: Ca
G734-124-4B - SD: Ca
G734-124-4C - SD: Ca
G734-124-4D - SD: Ca
G734-124-3B - SD: Ca
G734-124-3B - SD: Ca
G734-124-3C - SD: Ca
G734-124-3C - SD: Ca
tblk071309b - PASS
G734-124-3C - SD: Ca
pb14636 - PASS
lcs14636 - PASS
lcd14636 - PASS
G582-399-3B - SD: Ca
G582-399-3B - SD: Ca
G582-399-3C - SD: Ca

G582-399-3D - SD: Ca
G582-398-3B - SD: Ca Fe Pb
G582-398-3B - SD: Ca Fe Pb
G582-400-3B - SD: Ca
G582-400-3B - SD: Ca
G582-401-3B - SD: Ca
G582-401-3B - SD: Ca
G239-900-3C - SD: Ca Mg
G239-900-3C - SD: Ca Mg
G239-901-3C - SD: Ca
G239-901-3C - SD: Ca
G239-901-3D - SD: Ca
G239-901-3D - SD: Ca
tblk071309a - PASS
G239-901-3D - PASS
pb14665 - PASS
lcs14665 - PASS
lcd14665 - PASS
G368-74-1C - SD: Al Ca Fe Mg
G368-74-1D - SD: Al Ca Fe Mg Pb
G368-74-1E - SD: Al Ca Fe Mg Pb
G368-74-1F - SD: Al Ca Fe Mg
G368-74-1F - SD: Al Fe
G368-74-2C - SD: Al Ca Fe Mg Pb

Return to Upload

Return to PALims

==========

Analysis Begun

Start Time: 7/17/2009 03:20:28 PM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 7/17/2009 08:34:15 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\071709a.sif
Batch ID:
Results Data Set: 071709a
Results Library: C:\pe\Anyone\Results\Results.mdb

==========

Method Loaded

Method Name: TALmethod_new
IEC File: 091406.iec
Method Description: TAL with interference correction

Method Last Saved: 4/14/2009 04:46:02 PM
MSF File:

==========

Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/17/2009 03:20:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	243.3	58.10	23.88%	[0.00]	mg/L
Se 196	-108.5	9.70	8.94%	[0.00]	mg/L
Cd 214	5312.6	136.92	2.58%	[0.00]	mg/L
Pb 220	1014.7	15.02	1.48%	[0.00]	mg/L
Ba 234	-120.1	710.10	591.47%	[0.00]	mg/L
Fe 260	15608.1	1214.57	7.78%	[0.00]	mg/L
Cr 268	4118.2	68.46	1.66%	[0.00]	mg/L
Mg 279	-237.2	96.97	40.88%	[0.00]	mg/L
Al 308	3962.8	0.00	0.00%	[0.00]	mg/L
Ca 318	2934.9	132.70	4.52%	[0.00]	mg/L
Ag 328	-1218.2	352.45	28.93%	[0.00]	mg/L

==========

Sequence No.: 2
Sample ID: Std3- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/17/2009 03:25:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3- High

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: Std3- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	18549.2	94.67	0.51%	[1]	mg/L
Se 196	14972.8	11.12	0.07%	[1]	mg/L
Cd 214	811068.9	4884.29	0.60%	[1]	mg/L
Pb 220	44862.0	698.31	1.56%	[1]	mg/L
Ba 234	4216756.7	41153.06	0.98%	[5]	mg/L
Cr 268	608139.4	4787.26	0.79%	[1]	mg/L

==========

Sequence No.: 3

Autosampler Location: 5

Sample ID: Std4- High
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 7/17/2009 03:28:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std4- High

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: Std4- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Fe 260	461546.4	303.64	0.07%	[5]	mg/L
Mg 279	45083.5	193.03	0.43%	[5]	mg/L
Al 308	85796.4	628.59	0.73%	[5]	mg/L
Ca 318	436247.8	4578.38	1.05%	[5]	mg/L

==========

Sequence No.: 4
Sample ID: Std5- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 7/17/2009 03:31:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std5- High

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: Std5- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328	883469.9	3599.14	0.41%	[1]	mg/L

==========

Sequence No.: 5
Sample ID: Std2- Mid
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/17/2009 03:33:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std2- Mid

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: Std2- Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	9132.0	55.59	0.61%	[0.5]	mg/L
Se 196	7151.7	52.96	0.74%	[0.5]	mg/L
Cd 214	392241.4	3373.20	0.86%	[0.5]	mg/L
Pb 220	21582.5	41.34	0.19%	[0.5]	mg/L
Ba 234	1999698.4	2887.46	0.14%	[2.5]	mg/L
Fe 260	231669.4	303.64	0.13%	[2.5]	mg/L
Cr 268	290491.1	1508.59	0.52%	[0.5]	mg/L
Mg 279	21844.8	215.78	0.99%	[2.5]	mg/L
Al 308	42148.4	490.15	1.16%	[2.5]	mg/L
Ca 318	214089.6	1359.37	0.63%	[2.5]	mg/L
Ag 328	431734.4	470.48	0.11%	[0.5]	mg/L

==========

Sequence No.: 6
Sample ID: Std1- Low
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/17/2009 03:37:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std1- Low

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: Std1- Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	230.2	16.41	7.13%	[0.01]	mg/L
Se 196	325.2	34.69	10.67%	[0.02]	mg/L
Cd 214	4032.9	273.84	6.79%	[0.005]	mg/L
Pb 220	517.4	2.40	0.46%	[0.01]	mg/L
Ba 234	86473.5	233.52	0.27%	[0.1]	mg/L
Fe 260	10735.4	1821.85	16.97%	[0.1]	mg/L
Cr 268	6051.1	136.92	2.26%	[0.01]	mg/L
Mg 279	1264.2	134.08	10.61%	[0.1]	mg/L
Al 308	2279.1	210.85	9.25%	[0.1]	mg/L
Ca 318	28735.9	286.26	1.00%	[0.1]	mg/L
Ag 328	8377.5	51.39	0.61%	[0.01]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
As 189	3	Lin, Calc Int	-5.7	18500	0.00000	0.999961	
Se 196	3	Lin, Calc Int	-49.3	14900	0.00000	0.999715	
Cd 214	3	Lin, Calc Int	-2428.3	808700	0.00000	0.999856	
Pb 220	3	Lin, Calc Int	-123.2	44670	0.00000	0.999798	
Ba 234	3	Lin, Calc Int	-18834.7	839200	0.00000	0.999633	
Fe 260	3	Lin, Calc Int	845.3	92180	0.00000	0.999995	
Cr 268	3	Lin, Calc Int	-2485.1	605700	0.00000	0.999731	
Mg 279	3	Lin, Calc Int	37.4	8953	0.00000	0.999807	
Al 308	3	Lin, Calc Int	118.7	17070	0.00000	0.999924	
Ca 318	3	Lin, Calc Int	8336.4	84960	0.00000	0.998910	
Ag 328	3	Lin, Calc Int	-2027.7	881900	0.00000	0.999933	

Sequence No.: 7
Sample ID: icv
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 7
Date Collected: 7/17/2009 03:41:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	19126.1	1.04	mg/L	0.005	1.04	mg/L	0.005	0.51%
Se 196	14988.1	1.01	mg/L	0.016	1.01	mg/L	0.016	1.54%
Cd 214	816407.0	1.01	mg/L	0.016	1.01	mg/L	0.016	1.57%
Pb 220	45246.8	1.02	mg/L	0.007	1.02	mg/L	0.007	0.67%
Ba 234	831281.0	1.01	mg/L	0.014	1.01	mg/L	0.014	1.38%
Fe 260	98476.1	1.06	mg/L	0.007	1.06	mg/L	0.007	0.62%
Cr 268	619036.5	1.03	mg/L	0.003	1.03	mg/L	0.003	0.30%
Mg 279	9285.6	1.03	mg/L	0.000	1.03	mg/L	0.000	0.04%
Al 308	18150.4	1.06	mg/L	0.012	1.06	mg/L	0.012	1.10%
Ca 318	93591.6	1.00	mg/L	0.004	1.00	mg/L	0.004	0.38%
Ag 328	439146.8	0.500	mg/L	0.0029	0.500	mg/L	0.0029	0.59%

Sequence No.: 8
Sample ID: icsA1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 8
Date Collected: 7/17/2009 03:46:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: icsA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	230.3	0.0128	mg/L	0.00021	0.0128	mg/L	0.00021	1.62%
Se 196	-408.0	0.0262	mg/L	0.00004	0.0262	mg/L	0.00004	0.17%
Cd 214	1772.7	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	453.67%
Pb 220	-4.2	0.0027	mg/L	0.00161	0.0027	mg/L	0.00161	60.45%
Ba 234	1025.1	0.0237	mg/L	0.00042	0.0237	mg/L	0.00042	1.77%
Fe 260	9256151.5	100	mg/L	0.6	100	mg/L	0.6	0.58%
Cr 268	1161.8	0.0060	mg/L	0.00011	0.0060	mg/L	0.00011	1.88%
Mg 279	355081.9	39.7	mg/L	0.12	39.7	mg/L	0.12	0.30%
Al 308	1730413.2	101	mg/L	0.2	101	mg/L	0.2	0.23%
Ca 318	3467293.6	40.7	mg/L	0.64	40.7	mg/L	0.64	1.58%
Ag 328	362.7	0.0027	mg/L	0.00002	0.0027	mg/L	0.00002	0.74%

Sequence No.: 9
Sample ID: icsB1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 7/17/2009 03:50:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5427.2	0.296	mg/L	0.0050	0.296	mg/L	0.0050	1.70%
Se 196	3856.3	0.310	mg/L	0.0036	0.310	mg/L	0.0036	1.17%
Cd 214	219782.9	0.270	mg/L	0.0006	0.270	mg/L	0.0006	0.21%
Pb 220	12120.2	0.274	mg/L	0.0007	0.274	mg/L	0.0007	0.26%
Ba 234	782687.1	0.955	mg/L	0.0028	0.955	mg/L	0.0028	0.29%
Fe 260	8850214.3	96.0	mg/L	0.25	96.0	mg/L	0.25	0.26%
Cr 268	168311.4	0.282	mg/L	0.0041	0.282	mg/L	0.0041	1.44%
Mg 279	331251.9	37.0	mg/L	0.15	37.0	mg/L	0.15	0.41%
Al 308	1647445.4	96.5	mg/L	0.26	96.5	mg/L	0.26	0.27%
Ca 318	3261199.5	38.3	mg/L	0.11	38.3	mg/L	0.11	0.28%
Ag 328	244497.8	0.280	mg/L	0.0017	0.280	mg/L	0.0017	0.61%

Sequence No.: 10
Sample ID: lowstd
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 7/17/2009 03:54:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	232.5	0.0130	mg/L	0.00247	0.0130	mg/L	0.00247	19.05%
Se 196	287.4	0.0227	mg/L	0.00205	0.0227	mg/L	0.00205	9.04%
Cd 214	4106.9	0.0081	mg/L	0.00030	0.0081	mg/L	0.00030	3.70%
Pb 220	424.1	0.0123	mg/L	0.00041	0.0123	mg/L	0.00041	3.37%
Ba 234	87059.0	0.126	mg/L	0.0013	0.126	mg/L	0.0013	1.00%
Fe 260	10875.5	0.109	mg/L	0.0066	0.109	mg/L	0.0066	6.05%
Cr 268	6049.3	0.0141	mg/L	0.00067	0.0141	mg/L	0.00067	4.78%

Mg 279	1266.2	0.137	mg/L	0.0051	0.137	mg/L	0.0051	3.72%
Al 308	2151.4	0.119	mg/L	0.0244	0.119	mg/L	0.0244	20.48%
Ca 318	28806.0	0.241	mg/L	0.0062	0.241	mg/L	0.0062	2.59%
Ag 328	8870.2	0.0124	mg/L	0.00008	0.0124	mg/L	0.00008	0.63%

Sequence No.: 11
Sample ID: ccv1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 7/17/2009 03:58:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9090.0	0.496	mg/L	0.0031	0.496	mg/L	0.0031	0.64%
Se 196	7215.3	0.489	mg/L	0.0003	0.489	mg/L	0.0003	0.07%
Cd 214	396485.5	0.493	mg/L	0.0023	0.493	mg/L	0.0023	0.47%
Pb 220	21516.3	0.484	mg/L	0.0031	0.484	mg/L	0.0031	0.64%
Ba 234	2022950.9	2.43	mg/L	0.044	2.43	mg/L	0.044	1.80%
Fe 260	228803.6	2.47	mg/L	0.016	2.47	mg/L	0.016	0.67%
Cr 268	291025.3	0.485	mg/L	0.0037	0.485	mg/L	0.0037	0.77%
Mg 279	22082.0	2.46	mg/L	0.029	2.46	mg/L	0.029	1.18%
Al 308	41958.6	2.45	mg/L	0.012	2.45	mg/L	0.012	0.50%
Ca 318	212635.0	2.40	mg/L	0.004	2.40	mg/L	0.004	0.15%
Ag 328	431883.7	0.492	mg/L	0.0014	0.492	mg/L	0.0014	0.29%

Sequence No.: 12
Sample ID: ccb1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 7/17/2009 04:03:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: ccb1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	18.0	0.0013	mg/L	0.00182	0.0013	mg/L	0.00182	137.88%
Se 196	16.2	0.0044	mg/L	0.00396	0.0044	mg/L	0.00396	90.08%
Cd 214	264.1	0.0033	mg/L	0.00014	0.0033	mg/L	0.00014	4.09%
Pb 220	47.2	0.0038	mg/L	0.00127	0.0038	mg/L	0.00127	33.38%
Ba 234	922.5	0.0235	mg/L	0.00032	0.0235	mg/L	0.00032	1.34%
Fe 260	214.7	-0.0068	mg/L	0.01647	-0.0068	mg/L	0.01647	240.76%
Cr 268	238.5	0.0045	mg/L	0.00000	0.0045	mg/L	0.00000	0.00%
Mg 279	45.7	0.0009	mg/L	0.00235	0.0009	mg/L	0.00235	253.08%
Al 308	202.4	0.0049	mg/L	0.00729	0.0049	mg/L	0.00729	148.57%
Ca 318	206.7	-0.0957	mg/L	0.00657	-0.0957	mg/L	0.00657	6.87%
Ag 328	42.3	0.0023	mg/L	0.00024	0.0023	mg/L	0.00024	10.30%

Sequence No.: 13
Sample ID: pb14637
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 10
Date Collected: 7/17/2009 04:07:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14637

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: pb14637

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	21.9	0.0015	mg/L	0.00142	0.0015	mg/L	0.00142	93.18%
Se 196	15.2	0.0043	mg/L	0.00179	0.0043	mg/L	0.00179	41.28%
Cd 214	208.6	0.0033	mg/L	0.00008	0.0033	mg/L	0.00008	2.60%
Pb 220	141.2	0.0059	mg/L	0.00111	0.0059	mg/L	0.00111	18.82%
Ba 234	689.8	0.0233	mg/L	0.00039	0.0233	mg/L	0.00039	1.69%
Fe 260	2361.8	0.0165	mg/L	0.00329	0.0165	mg/L	0.00329	20.02%
Cr 268	1.7	0.0041	mg/L	0.00011	0.0041	mg/L	0.00011	2.65%
Mg 279	73.0	0.0040	mg/L	0.01155	0.0040	mg/L	0.01155	290.03%
Al 308	-60.0	-0.0105	mg/L	0.01235	-0.0105	mg/L	0.01235	118.02%
Ca 318	17706.3	0.110	mg/L	0.0036	0.110	mg/L	0.0036	3.25%
Ag 328	-412.2	0.0018	mg/L	0.00001	0.0018	mg/L	0.00001	0.80%

Sequence No.: 14
Sample ID: lcs14637
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 7/17/2009 04:11:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs14637

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: lcs14637

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6889.6	0.376	mg/L	0.0026	0.376	mg/L	0.0026	0.70%
Se 196	5386.5	0.366	mg/L	0.0009	0.366	mg/L	0.0009	0.24%
Cd 214	292032.2	0.364	mg/L	0.0012	0.364	mg/L	0.0012	0.33%
Pb 220	16412.3	0.370	mg/L	0.0023	0.370	mg/L	0.0023	0.62%
Ba 234	1585911.0	1.91	mg/L	0.011	1.91	mg/L	0.011	0.55%
Fe 260	182286.6	1.97	mg/L	0.043	1.97	mg/L	0.043	2.18%
Cr 268	226254.7	0.378	mg/L	0.0058	0.378	mg/L	0.0058	1.53%
Mg 279	17356.4	1.93	mg/L	0.012	1.93	mg/L	0.012	0.61%
Al 308	33205.5	1.94	mg/L	0.008	1.94	mg/L	0.008	0.39%
Ca 318	184579.6	2.07	mg/L	0.014	2.07	mg/L	0.014	0.70%
Ag 328	325008.7	0.371	mg/L	0.0014	0.371	mg/L	0.0014	0.38%

Sequence No.: 15
Sample ID: lcd14637
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 7/17/2009 04:16:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd14637

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: lcd14637

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6855.6	0.374	mg/L	0.0020	0.374	mg/L	0.0020	0.54%
Se 196	5418.9	0.368	mg/L	0.0012	0.368	mg/L	0.0012	0.32%
Cd 214	293472.1	0.366	mg/L	0.0004	0.366	mg/L	0.0004	0.12%
Pb 220	16349.2	0.369	mg/L	0.0006	0.369	mg/L	0.0006	0.15%
Ba 234	1550735.0	1.87	mg/L	0.020	1.87	mg/L	0.020	1.09%
Fe 260	184718.5	1.99	mg/L	0.001	1.99	mg/L	0.001	0.05%
Cr 268	225092.9	0.376	mg/L	0.0058	0.376	mg/L	0.0058	1.53%
Mg 279	17499.1	1.95	mg/L	0.024	1.95	mg/L	0.024	1.24%
Al 308	33442.6	1.95	mg/L	0.020	1.95	mg/L	0.020	1.03%
Ca 318	189858.4	2.14	mg/L	0.006	2.14	mg/L	0.006	0.29%
Ag 328	324096.4	0.370	mg/L	0.0004	0.370	mg/L	0.0004	0.11%

Sequence No.: 16
Sample ID: G734-124-4B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 7/17/2009 04:20:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G734-124-4B

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: G734-124-4B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-25.3	-0.0006	mg/L	0.00033	-0.0006	mg/L	0.00033	51.74%
Se 196	18.1	0.0045	mg/L	0.00161	0.0045	mg/L	0.00161	35.49%
Cd 214	225.3	0.0033	mg/L	0.00022	0.0033	mg/L	0.00022	6.85%
Pb 220	51.7	0.0039	mg/L	0.00065	0.0039	mg/L	0.00065	16.65%
Ba 234	80103.5	0.118	mg/L	0.0007	0.118	mg/L	0.0007	0.58%
Fe 260	2147.1	0.0141	mg/L	0.00000	0.0141	mg/L	0.00000	0.00%
Cr 268	29140.2	0.0522	mg/L	0.00056	0.0522	mg/L	0.00056	1.07%
Mg 279	715.3	0.0757	mg/L	0.00469	0.0757	mg/L	0.00469	6.19%
Al 308	1505.6	0.0812	mg/L	0.01308	0.0812	mg/L	0.01308	16.10%
Ca 318	16252332.3	191	mg/L	1.8	191	mg/L	1.8	0.92%
Ag 328	-448.8	0.0018	mg/L	0.00013	0.0018	mg/L	0.00013	7.35%

Sequence No.: 17
Sample ID: G734-124-4B as
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 7/17/2009 04:24:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G734-124-4B as

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: G734-124-4B as

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3337.8	0.183	mg/L	0.0004	0.183	mg/L	0.0004	0.20%
Se 196	2595.8	0.178	mg/L	0.0020	0.178	mg/L	0.0020	1.10%
Cd 214	137608.9	0.173	mg/L	0.0010	0.173	mg/L	0.0010	0.57%
Pb 220	7964.3	0.181	mg/L	0.0006	0.181	mg/L	0.0006	0.35%
Ba 234	816817.2	0.996	mg/L	0.0076	0.996	mg/L	0.0076	0.76%
Fe 260	91465.4	0.983	mg/L	0.0198	0.983	mg/L	0.0198	2.01%
Cr 268	136944.3	0.230	mg/L	0.0011	0.230	mg/L	0.0011	0.49%
Mg 279	826.1	0.0881	mg/L	0.02393	0.0881	mg/L	0.02393	27.16%
Al 308	1356.5	0.0725	mg/L	0.00939	0.0725	mg/L	0.00939	12.95%
Ca 318	16119968.0	190	mg/L	1.4	190	mg/L	1.4	0.76%
Ag 328	160736.0	0.185	mg/L	0.0007	0.185	mg/L	0.0007	0.37%

Sequence No.: 18
Sample ID: G734-124-4C ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 7/17/2009 04:29:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G734-124-4C ms

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: G734-124-4C ms

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	6874.0	0.375	mg/L	0.0028	0.375	mg/L	0.0028	0.74%
Se 196	5364.5	0.364	mg/L	0.0047	0.364	mg/L	0.0047	1.30%
Cd 214	277515.8	0.346	mg/L	0.0007	0.346	mg/L	0.0007	0.20%
Pb 220	15880.3	0.358	mg/L	0.0020	0.358	mg/L	0.0020	0.55%
Ba 234	1587450.7	1.91	mg/L	0.050	1.91	mg/L	0.050	2.61%
Fe 260	177847.8	1.92	mg/L	0.038	1.92	mg/L	0.038	2.00%
Cr 268	249636.0	0.416	mg/L	0.0047	0.416	mg/L	0.0047	1.14%
Mg 279	17634.7	1.97	mg/L	0.011	1.97	mg/L	0.011	0.58%
Al 308	33927.8	1.98	mg/L	0.013	1.98	mg/L	0.013	0.64%
Ca 318	17207438.9	202	mg/L	1.1	202	mg/L	1.1	0.57%
Ag 328	327486.4	0.374	mg/L	0.0024	0.374	mg/L	0.0024	0.63%

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Sequence No.: 19
Sample ID: G734-124-4D msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 7/17/2009 04:33:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G734-124-4D msd

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: G734-124-4D msd

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	6852.6	0.374	mg/L	0.0001	0.374	mg/L	0.0001	0.02%
Se 196	5326.3	0.362	mg/L	0.0030	0.362	mg/L	0.0030	0.83%
Cd 214	275024.9	0.343	mg/L	0.0027	0.343	mg/L	0.0027	0.78%
Pb 220	15502.4	0.350	mg/L	0.0004	0.350	mg/L	0.0004	0.12%
Ba 234	1584213.3	1.91	mg/L	0.005	1.91	mg/L	0.005	0.24%
Fe 260	173339.0	1.87	mg/L	0.009	1.87	mg/L	0.009	0.47%
Cr 268	246150.6	0.410	mg/L	0.0027	0.410	mg/L	0.0027	0.66%
Mg 279	17130.0	1.91	mg/L	0.016	1.91	mg/L	0.016	0.86%
Al 308	33636.2	1.96	mg/L	0.012	1.96	mg/L	0.012	0.61%
Ca 318	17516059.7	206	mg/L	0.8	206	mg/L	0.8	0.39%
Ag 328	327723.2	0.374	mg/L	0.0024	0.374	mg/L	0.0024	0.65%

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Sequence No.: 20
Sample ID: G734-124-3B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 7/17/2009 04:37:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G734-124-3B

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: G734-124-3B

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	41.3	0.0034	mg/L	0.00161	0.0034	mg/L	0.00161	47.57%
Se 196	43.9	0.0063	mg/L	0.00044	0.0063	mg/L	0.00044	7.06%
Cd 214	232.4	0.0033	mg/L	0.00000	0.0033	mg/L	0.00000	0.01%
Pb 220	39.7	0.0036	mg/L	0.00184	0.0036	mg/L	0.00184	50.42%
Ba 234	238008.0	0.306	mg/L	0.0009	0.306	mg/L	0.0009	0.31%
Fe 260	354.8	-0.0053	mg/L	0.00329	-0.0053	mg/L	0.00329	61.91%
Cr 268	60168.4	0.103	mg/L	0.0005	0.103	mg/L	0.0005	0.44%
Mg 279	472.4	0.0486	mg/L	0.00699	0.0486	mg/L	0.00699	14.39%
Al 308	3543.7	0.201	mg/L	0.0120	0.201	mg/L	0.0120	6.00%
Ca 318	18821148.6	221	mg/L	1.1	221	mg/L	1.1	0.49%
Ag 328	-643.2	0.0016	mg/L	0.00052	0.0016	mg/L	0.00052	32.99%

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Sequence No.: 21
Sample ID: G734-124-3B as

Autosampler Location: 18
Date Collected: 7/17/2009 04:41:53 PM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G734-124-3B as

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: G734-124-3B as

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3448.1	0.189	mg/L	0.0020	0.189	mg/L	0.0020	1.06%
Se 196	2737.1	0.188	mg/L	0.0008	0.188	mg/L	0.0008	0.41%
Cd 214	140600.5	0.177	mg/L	0.0004	0.177	mg/L	0.0004	0.24%
Pb 220	8078.8	0.184	mg/L	0.0013	0.184	mg/L	0.0013	0.73%
Ba 234	1001748.4	1.22	mg/L	0.012	1.22	mg/L	0.012	1.00%
Fe 260	90821.3	0.976	mg/L	0.0099	0.976	mg/L	0.0099	1.01%
Cr 268	169716.9	0.284	mg/L	0.0006	0.284	mg/L	0.0006	0.20%
Mg 279	533.6	0.0554	mg/L	0.00815	0.0554	mg/L	0.00815	14.71%
Al 308	3594.9	0.204	mg/L	0.0076	0.204	mg/L	0.0076	3.74%
Ca 318	18651628.9	219	mg/L	2.2	219	mg/L	2.2	1.02%
Ag 328	164117.2	0.188	mg/L	0.0002	0.188	mg/L	0.0002	0.09%

Sequence No.: 22
Sample ID: G734-124-3C dup
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 7/17/2009 04:46:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G734-124-3C dup

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: G734-124-3C dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	0.1	0.0012	mg/L	0.00054	0.0012	mg/L	0.00054	46.32%
Se 196	11.7	0.0041	mg/L	0.00278	0.0041	mg/L	0.00278	68.00%
Cd 214	293.1	0.0034	mg/L	0.00015	0.0034	mg/L	0.00015	4.51%
Pb 220	123.4	0.0055	mg/L	0.00819	0.0055	mg/L	0.00819	148.41%
Ba 234	240247.8	0.309	mg/L	0.0015	0.309	mg/L	0.0015	0.49%
Fe 260	499.5	-0.0038	mg/L	0.01425	-0.0038	mg/L	0.01425	379.84%
Cr 268	60460.6	0.104	mg/L	0.0011	0.104	mg/L	0.0011	1.08%
Mg 279	484.9	0.0500	mg/L	0.00595	0.0500	mg/L	0.00595	11.91%
Al 308	3832.0	0.218	mg/L	0.0040	0.218	mg/L	0.0040	1.84%
Ca 318	18814555.2	221	mg/L	3.1	221	mg/L	3.1	1.42%
Ag 328	-36.3	0.0023	mg/L	0.00008	0.0023	mg/L	0.00008	3.59%

Sequence No.: 23
Sample ID: ccv2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/17/2009 04:50:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: ccv2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9142.7	0.498	mg/L	0.0010	0.498	mg/L	0.0010	0.20%
Se 196	7201.8	0.488	mg/L	0.0055	0.488	mg/L	0.0055	1.14%
Cd 214	385034.7	0.479	mg/L	0.0002	0.479	mg/L	0.0002	0.04%

Pb 220	21569.6	0.486 mg/L	0.0013	0.486 mg/L	0.0013	0.28%
Ba 234	2020101.4	2.43 mg/L	0.023	2.43 mg/L	0.023	0.93%
Fe 260	229592.3	2.48 mg/L	0.011	2.48 mg/L	0.011	0.44%
Cr 268	289958.6	0.483 mg/L	0.0001	0.483 mg/L	0.0001	0.02%
Mg 279	22392.5	2.50 mg/L	0.023	2.50 mg/L	0.023	0.91%
Al 308	42843.7	2.50 mg/L	0.029	2.50 mg/L	0.029	1.15%
Ca 318	218870.2	2.48 mg/L	0.004	2.48 mg/L	0.004	0.17%
Ag 328	432537.4	0.493 mg/L	0.0047	0.493 mg/L	0.0047	0.96%

Sequence No.: 24
Sample ID: ccb2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/17/2009 04:54:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	53.4	0.0032	mg/L	0.00128	0.0032	mg/L	0.00128	39.88%
Se 196	23.6	0.0049	mg/L	0.00199	0.0049	mg/L	0.00199	40.67%
Cd 214	-240.2	0.0027	mg/L	0.00002	0.0027	mg/L	0.00002	0.84%
Pb 220	75.2	0.0044	mg/L	0.00071	0.0044	mg/L	0.00071	16.04%
Ba 234	257.3	0.0227	mg/L	0.00129	0.0227	mg/L	0.00129	5.65%
Fe 260	858.8	0.0001	mg/L	0.00659	0.0001	mg/L	0.00659	>999.9%
Cr 268	-385.5	0.0035	mg/L	0.00079	0.0035	mg/L	0.00079	22.71%
Mg 279	178.4	0.0158	mg/L	0.00056	0.0158	mg/L	0.00056	3.57%
Al 308	93.0	-0.0015	mg/L	0.01636	-0.0015	mg/L	0.01636	>999.9%
Ca 318	1219.8	-0.0838	mg/L	0.00000	-0.0838	mg/L	0.00000	0.00%
Ag 328	-212.6	0.0021	mg/L	0.00012	0.0021	mg/L	0.00012	5.68%

Sequence No.: 25
Sample ID: G734-124-3C dup as
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 7/17/2009 04:59:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G734-124-3C dup as

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: G734-124-3C dup as

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3412.4	0.187	mg/L	0.0017	0.187	mg/L	0.0017	0.93%
Se 196	2658.2	0.182	mg/L	0.0033	0.182	mg/L	0.0033	1.82%
Cd 214	136853.7	0.172	mg/L	0.0013	0.172	mg/L	0.0013	0.77%
Pb 220	7768.5	0.177	mg/L	0.0009	0.177	mg/L	0.0009	0.53%
Ba 234	968978.9	1.18	mg/L	0.011	1.18	mg/L	0.011	0.97%
Fe 260	87815.4	0.943	mg/L	0.0099	0.943	mg/L	0.0099	1.05%
Cr 268	167778.9	0.281	mg/L	0.0015	0.281	mg/L	0.0015	0.52%
Mg 279	508.3	0.0526	mg/L	0.01655	0.0526	mg/L	0.01655	31.45%
Al 308	3639.4	0.206	mg/L	0.0047	0.206	mg/L	0.0047	2.30%
Ca 318	18843172.6	222	mg/L	1.0	222	mg/L	1.0	0.46%
Ag 328	160218.5	0.184	mg/L	0.0012	0.184	mg/L	0.0012	0.63%

Sequence No.: 26
Sample ID: tblk071309b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 7/17/2009 05:03:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: tblk071309b

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: tblk071309b

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-13.1	-0.0004	mg/L	0.00080	-0.0004	mg/L	0.00080	220.76%
Se 196	-14.7	0.0023	mg/L	0.00097	0.0023	mg/L	0.00097	41.76%
Cd 214	-103.8	0.0029	mg/L	0.00017	0.0029	mg/L	0.00017	5.86%
Pb 220	-110.1	0.0003	mg/L	0.00186	0.0003	mg/L	0.00186	634.91%
Ba 234	981.7	0.0236	mg/L	0.00049	0.0236	mg/L	0.00049	2.08%
Fe 260	1288.2	0.0048	mg/L	0.01976	0.0048	mg/L	0.01976	411.31%
Cr 268	242.0	0.0045	mg/L	0.00068	0.0045	mg/L	0.00068	15.06%
Mg 279	91.8	0.0061	mg/L	0.00196	0.0061	mg/L	0.00196	32.26%
Al 308	299.3	0.0106	mg/L	0.01595	0.0106	mg/L	0.01595	150.79%
Ca 318	19587.2	0.132	mg/L	0.0043	0.132	mg/L	0.0043	3.25%
Ag 328	-503.3	0.0017	mg/L	0.00041	0.0017	mg/L	0.00041	23.73%

Sequence No.: 27
Sample ID: G734-124-3C dup SDx5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 7/17/2009 05:07:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G734-124-3C dup SDx5

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: G734-124-3C dup SDx5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	30.7	0.0022	mg/L	0.00080	0.0022	mg/L	0.00080	36.85%
Se 196	0.6	0.0033	mg/L	0.00116	0.0033	mg/L	0.00116	34.72%
Cd 214	-178.6	0.0028	mg/L	0.00009	0.0028	mg/L	0.00009	3.08%
Pb 220	66.4	0.0042	mg/L	0.00529	0.0042	mg/L	0.00529	124.69%
Ba 234	52600.7	0.0851	mg/L	0.00051	0.0851	mg/L	0.00051	0.60%
Fe 260	1003.5	0.0017	mg/L	0.02198	0.0017	mg/L	0.02198	>999.9%
Cr 268	12778.1	0.0252	mg/L	0.00056	0.0252	mg/L	0.00056	2.23%
Mg 279	109.3	0.0080	mg/L	0.00329	0.0080	mg/L	0.00329	40.98%
Al 308	819.1	0.0410	mg/L	0.00369	0.0410	mg/L	0.00369	8.99%
Ca 318	4012556.0	47.1	mg/L	0.01	47.1	mg/L	0.01	0.03%
Ag 328	-256.6	0.0020	mg/L	0.00020	0.0020	mg/L	0.00020	10.11%

Sequence No.: 28
Sample ID: pb14636
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 7/17/2009 05:11:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14636

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: pb14636

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	29.1	0.0019	mg/L	0.00193	0.0019	mg/L	0.00193	101.12%
Se 196	-3.9	0.0030	mg/L	0.00198	0.0030	mg/L	0.00198	65.04%
Cd 214	347.7	0.0034	mg/L	0.00042	0.0034	mg/L	0.00042	12.13%
Pb 220	34.0	0.0035	mg/L	0.00177	0.0035	mg/L	0.00177	50.42%
Ba 234	61995.8	0.0963	mg/L	0.00060	0.0963	mg/L	0.00060	0.63%
Fe 260	644.1	-0.0022	mg/L	0.01647	-0.0022	mg/L	0.01647	754.64%
Cr 268	-242.0	0.0037	mg/L	0.00023	0.0037	mg/L	0.00023	6.10%

Mg 279	169.8	0.0148 mg/L	0.00878	0.0148 mg/L	0.00878	59.40%
Al 308	96.8	-0.0013 mg/L	0.00000	-0.0013 mg/L	0.00000	0.00%
Ca 318	2608.6	-0.0674 mg/L	0.00266	-0.0674 mg/L	0.00266	3.95%
Ag 328	-473.5	0.0018 mg/L	0.00012	0.0018 mg/L	0.00012	6.71%

Sequence No.: 29
Sample ID: lcs14636
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 7/17/2009 05:16:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs14636

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: lcs14636

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7085.8	0.386	mg/L	0.0007	0.386	mg/L	0.0007	0.18%
Se 196	5530.9	0.375	mg/L	0.0002	0.375	mg/L	0.0002	0.05%
Cd 214	299512.6	0.373	mg/L	0.0019	0.373	mg/L	0.0019	0.51%
Pb 220	16556.7	0.373	mg/L	0.0011	0.373	mg/L	0.0011	0.29%
Ba 234	1592734.8	1.92	mg/L	0.034	1.92	mg/L	0.034	1.78%
Fe 260	176918.9	1.91	mg/L	0.013	1.91	mg/L	0.013	0.69%
Cr 268	222771.0	0.372	mg/L	0.0008	0.372	mg/L	0.0008	0.21%
Mg 279	16847.3	1.88	mg/L	0.005	1.88	mg/L	0.005	0.26%
Al 308	32350.7	1.89	mg/L	0.000	1.89	mg/L	0.000	0.02%
Ca 318	170712.2	1.91	mg/L	0.016	1.91	mg/L	0.016	0.82%
Ag 328	326045.9	0.372	mg/L	0.0020	0.372	mg/L	0.0020	0.55%

Sequence No.: 30
Sample ID: lcd14636
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 7/17/2009 05:20:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd14636

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: lcd14636

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7051.1	0.385	mg/L	0.0008	0.385	mg/L	0.0008	0.21%
Se 196	5617.5	0.381	mg/L	0.0012	0.381	mg/L	0.0012	0.31%
Cd 214	302536.8	0.377	mg/L	0.0004	0.377	mg/L	0.0004	0.11%
Pb 220	16629.0	0.375	mg/L	0.0048	0.375	mg/L	0.0048	1.28%
Ba 234	1602200.9	1.93	mg/L	0.017	1.93	mg/L	0.017	0.87%
Fe 260	179565.5	1.94	mg/L	0.025	1.94	mg/L	0.025	1.30%
Cr 268	224800.7	0.375	mg/L	0.0033	0.375	mg/L	0.0033	0.87%
Mg 279	16990.9	1.89	mg/L	0.016	1.89	mg/L	0.016	0.84%
Al 308	32325.3	1.89	mg/L	0.000	1.89	mg/L	0.000	0.02%
Ca 318	172095.9	1.93	mg/L	0.028	1.93	mg/L	0.028	1.48%
Ag 328	324601.1	0.370	mg/L	0.0015	0.370	mg/L	0.0015	0.41%

Sequence No.: 31
Sample ID: G582-399-3B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 7/17/2009 05:24:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-399-3B

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G582-399-3B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	17.9	0.0013	mg/L	0.00114	0.0013	mg/L	0.00114	86.48%
Se 196	2.9	0.0035	mg/L	0.00267	0.0035	mg/L	0.00267	76.25%
Cd 214	605.6	0.0038	mg/L	0.00006	0.0038	mg/L	0.00006	1.47%
Pb 220	53.3	0.0040	mg/L	0.00069	0.0040	mg/L	0.00069	17.38%
Ba 234	58501.6	0.0921	mg/L	0.00034	0.0921	mg/L	0.00034	0.37%
Fe 260	1932.4	0.0118	mg/L	0.00329	0.0118	mg/L	0.00329	27.93%
Cr 268	579.2	0.0051	mg/L	0.00033	0.0051	mg/L	0.00033	6.62%
Mg 279	6825.8	0.758	mg/L	0.0038	0.758	mg/L	0.0038	0.51%
Al 308	396.1	0.0162	mg/L	0.00875	0.0162	mg/L	0.00875	53.84%
Ca 318	8033512.3	94.5	mg/L	0.20	94.5	mg/L	0.20	0.22%
Ag 328	-693.7	0.0015	mg/L	0.00020	0.0015	mg/L	0.00020	13.42%

Sequence No.: 32
Sample ID: G582-399-3B as
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 7/17/2009 05:29:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-399-3B as

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G582-399-3B as

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3436.1	0.188	mg/L	0.0034	0.188	mg/L	0.0034	1.83%
Se 196	2693.1	0.185	mg/L	0.0008	0.185	mg/L	0.0008	0.43%
Cd 214	143834.2	0.181	mg/L	0.0032	0.181	mg/L	0.0032	1.77%
Pb 220	8198.9	0.186	mg/L	0.0014	0.186	mg/L	0.0014	0.78%
Ba 234	801672.2	0.978	mg/L	0.0057	0.978	mg/L	0.0057	0.59%
Fe 260	87600.6	0.941	mg/L	0.0066	0.941	mg/L	0.0066	0.70%
Cr 268	109012.6	0.184	mg/L	0.0017	0.184	mg/L	0.0017	0.92%
Mg 279	6845.2	0.760	mg/L	0.0177	0.760	mg/L	0.0177	2.33%
Al 308	290.5	0.0101	mg/L	0.00000	0.0101	mg/L	0.00000	0.00%
Ca 318	8103804.9	95.3	mg/L	1.21	95.3	mg/L	1.21	1.27%
Ag 328	159343.4	0.183	mg/L	0.0013	0.183	mg/L	0.0013	0.69%

Sequence No.: 33
Sample ID: G582-399-3C ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 7/17/2009 05:33:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-399-3C ms

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G582-399-3C ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7116.3	0.388	mg/L	0.0025	0.388	mg/L	0.0025	0.65%
Se 196	5444.6	0.370	mg/L	0.0019	0.370	mg/L	0.0019	0.50%
Cd 214	294342.6	0.367	mg/L	0.0007	0.367	mg/L	0.0007	0.18%
Pb 220	16371.7	0.369	mg/L	0.0032	0.369	mg/L	0.0032	0.86%
Ba 234	1573773.9	1.90	mg/L	0.010	1.90	mg/L	0.010	0.53%
Fe 260	175915.5	1.90	mg/L	0.009	1.90	mg/L	0.009	0.46%
Cr 268	223979.5	0.374	mg/L	0.0057	0.374	mg/L	0.0057	1.51%
Mg 279	23184.3	2.59	mg/L	0.004	2.59	mg/L	0.004	0.16%
Al 308	32619.6	1.90	mg/L	0.000	1.90	mg/L	0.000	0.00%
Ca 318	8094115.9	95.2	mg/L	0.57	95.2	mg/L	0.57	0.59%
Ag 328	323175.6	0.369	mg/L	0.0023	0.369	mg/L	0.0023	0.62%

Sequence No.: 34
Sample ID: G582-399-3D msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 7/17/2009 05:37:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-399-3D msd

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G582-399-3D msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7238.1	0.395	mg/L	0.0008	0.395	mg/L	0.0008	0.21%
Se 196	5571.6	0.378	mg/L	0.0003	0.378	mg/L	0.0003	0.07%
Cd 214	295734.1	0.369	mg/L	0.0034	0.369	mg/L	0.0034	0.93%
Pb 220	16507.1	0.372	mg/L	0.0007	0.372	mg/L	0.0007	0.18%
Ba 234	1556917.4	1.88	mg/L	0.052	1.88	mg/L	0.052	2.77%
Fe 260	179350.8	1.94	mg/L	0.009	1.94	mg/L	0.009	0.45%
Cr 268	223059.7	0.372	mg/L	0.0019	0.372	mg/L	0.0019	0.52%
Mg 279	22752.0	2.54	mg/L	0.003	2.54	mg/L	0.003	0.10%
Al 308	32910.1	1.92	mg/L	0.024	1.92	mg/L	0.024	1.25%
Ca 318	6924902.7	81.4	mg/L	0.20	81.4	mg/L	0.20	0.25%
Ag 328	327313.3	0.373	mg/L	0.0022	0.373	mg/L	0.0022	0.59%

Sequence No.: 35
Sample ID: ccv3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/17/2009 05:42:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv3

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: ccv3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9492.6	0.517	mg/L	0.0027	0.517	mg/L	0.0027	0.51%
Se 196	7390.4	0.501	mg/L	0.0023	0.501	mg/L	0.0023	0.47%
Cd 214	406241.2	0.505	mg/L	0.0012	0.505	mg/L	0.0012	0.24%
Pb 220	21948.2	0.494	mg/L	0.0016	0.494	mg/L	0.0016	0.33%
Ba 234	2046533.7	2.46	mg/L	0.024	2.46	mg/L	0.024	1.00%
Fe 260	234530.6	2.54	mg/L	0.006	2.54	mg/L	0.006	0.22%
Cr 268	294702.6	0.491	mg/L	0.0012	0.491	mg/L	0.0012	0.25%
Mg 279	22920.8	2.56	mg/L	0.008	2.56	mg/L	0.008	0.33%
Al 308	43309.1	2.53	mg/L	0.013	2.53	mg/L	0.013	0.50%
Ca 318	220962.1	2.50	mg/L	0.008	2.50	mg/L	0.008	0.31%
Ag 328	430532.3	0.490	mg/L	0.0041	0.490	mg/L	0.0041	0.83%

Sequence No.: 36
Sample ID: ccb3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/17/2009 05:46:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb3

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: ccb3

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	65.5	0.0039	mg/L	0.00164	0.0039	mg/L	0.00164	42.37%
Se 196	17.4	0.0045	mg/L	0.00168	0.0045	mg/L	0.00168	37.54%
Cd 214	331.8	0.0034	mg/L	0.00025	0.0034	mg/L	0.00025	7.44%
Pb 220	17.6	0.0032	mg/L	0.00005	0.0032	mg/L	0.00005	1.70%
Ba 234	1357.0	0.0241	mg/L	0.00018	0.0241	mg/L	0.00018	0.73%
Fe 260	214.7	-0.0068	mg/L	0.00329	-0.0068	mg/L	0.00329	48.15%
Cr 268	-145.2	0.0039	mg/L	0.00023	0.0039	mg/L	0.00023	5.85%
Mg 279	47.2	0.0011	mg/L	0.01136	0.0011	mg/L	0.01136	>999.9%
Al 308	229.4	0.0065	mg/L	0.00360	0.0065	mg/L	0.00360	55.53%
Ca 318	320.0	-0.0944	mg/L	0.00156	-0.0944	mg/L	0.00156	1.66%
Ag 328	-26.4	0.0023	mg/L	0.00010	0.0023	mg/L	0.00010	4.39%

Sequence No.: 37
Sample ID: G582-398-3B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 7/17/2009 05:50:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-398-3B

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G582-398-3B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	54.0	0.0033	mg/L	0.00076	0.0033	mg/L	0.00076	23.28%
Se 196	-32.0	0.0040	mg/L	0.00081	0.0040	mg/L	0.00081	20.19%
Cd 214	8909.8	0.0137	mg/L	0.00011	0.0137	mg/L	0.00011	0.77%
Pb 220	52436.6	1.18	mg/L	0.017	1.18	mg/L	0.017	1.48%
Ba 234	106598.3	0.149	mg/L	0.0022	0.149	mg/L	0.0022	1.46%
Fe 260	524385.7	5.68	mg/L	0.019	5.68	mg/L	0.019	0.33%
Cr 268	1448.8	0.0065	mg/L	0.00034	0.0065	mg/L	0.00034	5.22%
Mg 279	4506.8	0.499	mg/L	0.0101	0.499	mg/L	0.0101	2.03%
Al 308	1545.2	0.0836	mg/L	0.00834	0.0836	mg/L	0.00834	9.98%
Ca 318	1112870.7	13.0	mg/L	0.03	13.0	mg/L	0.03	0.22%
Ag 328	-260.6	0.0020	mg/L	0.00032	0.0020	mg/L	0.00032	15.90%

Sequence No.: 38
Sample ID: G582-398-3B as
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 7/17/2009 05:54:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-398-3B as

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G582-398-3B as

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3649.4	0.199	mg/L	0.0041	0.199	mg/L	0.0041	2.05%
Se 196	2856.4	0.198	mg/L	0.0019	0.198	mg/L	0.0019	0.98%
Cd 214	164278.5	0.206	mg/L	0.0008	0.206	mg/L	0.0008	0.37%
Pb 220	60631.1	1.36	mg/L	0.008	1.36	mg/L	0.008	0.58%
Ba 234	894420.2	1.09	mg/L	0.009	1.09	mg/L	0.009	0.85%
Fe 260	617638.8	6.69	mg/L	0.007	6.69	mg/L	0.007	0.10%
Cr 268	116756.2	0.197	mg/L	0.0015	0.197	mg/L	0.0015	0.75%
Mg 279	4386.2	0.486	mg/L	0.0041	0.486	mg/L	0.0041	0.85%
Al 308	1883.0	0.103	mg/L	0.0030	0.103	mg/L	0.0030	2.86%
Ca 318	1098210.2	12.8	mg/L	0.01	12.8	mg/L	0.01	0.05%
Ag 328	164432.3	0.189	mg/L	0.0015	0.189	mg/L	0.0015	0.82%

Sequence No.: 39
Sample ID: G582-400-3B

Autosampler Location: 32
Date Collected: 7/17/2009 05:59:12 PM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-400-3B

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G582-400-3B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	43.3	0.0027	mg/L	0.00183	0.0027	mg/L	0.00183	68.39%
Se 196	-32.4	0.0013	mg/L	0.00123	0.0013	mg/L	0.00123	93.72%
Cd 214	8503.2	0.0135	mg/L	0.00012	0.0135	mg/L	0.00012	0.88%
Pb 220	-37.2	0.0019	mg/L	0.00062	0.0019	mg/L	0.00062	32.29%
Ba 234	49017.6	0.0808	mg/L	0.00195	0.0808	mg/L	0.00195	2.42%
Fe 260	34567.9	0.366	mg/L	0.0033	0.366	mg/L	0.0033	0.90%
Cr 268	-51.9	0.0040	mg/L	0.00023	0.0040	mg/L	0.00023	5.63%
Mg 279	8740.1	0.972	mg/L	0.0161	0.972	mg/L	0.0161	1.65%
Al 308	193.6	0.0044	mg/L	0.00802	0.0044	mg/L	0.00802	182.62%
Ca 318	1285351.7	15.0	mg/L	0.04	15.0	mg/L	0.04	0.29%
Ag 328	-268.8	0.0020	mg/L	0.00031	0.0020	mg/L	0.00031	15.31%

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Sequence No.: 40
Sample ID: G582-400-3B as
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 7/17/2009 06:03:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-400-3B as

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G582-400-3B as

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3573.2	0.195	mg/L	0.0015	0.195	mg/L	0.0015	0.75%
Se 196	2870.1	0.197	mg/L	0.0002	0.197	mg/L	0.0002	0.12%
Cd 214	162171.4	0.203	mg/L	0.0004	0.203	mg/L	0.0004	0.21%
Pb 220	8327.4	0.189	mg/L	0.0015	0.189	mg/L	0.0015	0.78%
Ba 234	827473.9	1.01	mg/L	0.017	1.01	mg/L	0.017	1.71%
Fe 260	124670.4	1.34	mg/L	0.007	1.34	mg/L	0.007	0.49%
Cr 268	114531.2	0.193	mg/L	0.0017	0.193	mg/L	0.0017	0.88%
Mg 279	8922.5	0.992	mg/L	0.0038	0.992	mg/L	0.0038	0.38%
Al 308	774.5	0.0384	mg/L	0.03272	0.0384	mg/L	0.03272	85.17%
Ca 318	1274958.6	14.9	mg/L	0.18	14.9	mg/L	0.18	1.18%
Ag 328	164476.5	0.189	mg/L	0.0017	0.189	mg/L	0.0017	0.90%

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Sequence No.: 41
Sample ID: G582-401-3B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 7/17/2009 06:07:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-401-3B

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G582-401-3B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	28.1	0.0019	mg/L	0.00167	0.0019	mg/L	0.00167	89.58%
Se 196	-20.5	0.0019	mg/L	0.00035	0.0019	mg/L	0.00035	18.27%
Cd 214	428.7	0.0035	mg/L	0.00008	0.0035	mg/L	0.00008	2.39%

Pb 220	76.0	0.0045 mg/L	0.00047	0.0045 mg/L	0.00047	10.47%
Ba 234	67458.9	0.103 mg/L	0.0005	0.103 mg/L	0.0005	0.48%
Fe 260	1073.5	0.0025 mg/L	0.00329	0.0025 mg/L	0.00329	133.04%
Cr 268	-48.4	0.0040 mg/L	0.00045	0.0040 mg/L	0.00045	11.24%
Mg 279	8645.2	0.961 mg/L	0.0118	0.961 mg/L	0.0118	1.22%
Al 308	96.8	-0.0013 mg/L	0.00656	-0.0013 mg/L	0.00656	512.94%
Ca 318	7115337.3	83.6 mg/L	1.49	83.6 mg/L	1.49	1.78%
Ag 328	-1025.0	0.0011 mg/L	0.00020	0.0011 mg/L	0.00020	17.41%

Sequence No.: 42
Sample ID: G582-401-3B as
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 7/17/2009 06:12:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-401-3B as

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G582-401-3B as

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3498.4	0.191	mg/L	0.0001	0.191	mg/L	0.0001	0.03%
Se 196	2706.2	0.185	mg/L	0.0030	0.185	mg/L	0.0030	1.62%
Cd 214	148232.4	0.186	mg/L	0.0016	0.186	mg/L	0.0016	0.87%
Pb 220	8185.8	0.186	mg/L	0.0003	0.186	mg/L	0.0003	0.17%
Ba 234	819823.2	0.999	mg/L	0.0058	0.999	mg/L	0.0058	0.58%
Fe 260	88244.8	0.948	mg/L	0.0099	0.948	mg/L	0.0099	1.04%
Cr 268	109010.9	0.184	mg/L	0.0010	0.184	mg/L	0.0010	0.55%
Mg 279	8899.1	0.990	mg/L	0.0046	0.990	mg/L	0.0046	0.47%
Al 308	44.5	-0.0043	mg/L	0.01235	-0.0043	mg/L	0.01235	284.49%
Ca 318	7152002.5	84.1	mg/L	0.16	84.1	mg/L	0.16	0.19%
Ag 328	160127.4	0.184	mg/L	0.0009	0.184	mg/L	0.0009	0.48%

Sequence No.: 43
Sample ID: G239-900-3C
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 7/17/2009 06:16:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G239-900-3C

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G239-900-3C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	23.6	0.0016	mg/L	0.00151	0.0016	mg/L	0.00151	92.67%
Se 196	-39.3	0.0007	mg/L	0.00060	0.0007	mg/L	0.00060	90.33%
Cd 214	593.2	0.0037	mg/L	0.00020	0.0037	mg/L	0.00020	5.44%
Pb 220	42.6	0.0037	mg/L	0.00090	0.0037	mg/L	0.00090	24.24%
Ba 234	222550.5	0.288	mg/L	0.0006	0.288	mg/L	0.0006	0.22%
Fe 260	284.8	-0.0061	mg/L	0.00437	-0.0061	mg/L	0.00437	71.84%
Cr 268	430.4	0.0048	mg/L	0.00045	0.0048	mg/L	0.00045	9.31%
Mg 279	74369.5	8.30	mg/L	0.007	8.30	mg/L	0.007	0.08%
Al 308	-3.9	-0.0072	mg/L	0.01636	-0.0072	mg/L	0.01636	227.96%
Ca 318	6259088.7	73.6	mg/L	0.39	73.6	mg/L	0.39	0.53%
Ag 328	-383.2	0.0019	mg/L	0.00010	0.0019	mg/L	0.00010	5.27%

Sequence No.: 44
Sample ID: G239-900-3C as
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 7/17/2009 06:20:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G239-900-3C as

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G239-900-3C as

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3662.2	0.200	mg/L	0.0008	0.200	mg/L	0.0008	0.39%
Se 196	2841.9	0.195	mg/L	0.0003	0.195	mg/L	0.0003	0.14%
Cd 214	147490.4	0.185	mg/L	0.0024	0.185	mg/L	0.0024	1.29%
Pb 220	8275.1	0.188	mg/L	0.0006	0.188	mg/L	0.0006	0.29%
Ba 234	968393.4	1.18	mg/L	0.001	1.18	mg/L	0.001	0.06%
Fe 260	94256.6	1.01	mg/L	0.010	1.01	mg/L	0.010	0.98%
Cr 268	112447.9	0.190	mg/L	0.0009	0.190	mg/L	0.0009	0.48%
Mg 279	74827.2	8.35	mg/L	0.045	8.35	mg/L	0.045	0.54%
Al 308	149.1	0.0018	mg/L	0.00287	0.0018	mg/L	0.00287	161.11%
Ca 318	6230177.0	73.2	mg/L	0.37	73.2	mg/L	0.37	0.51%
Ag 328	161351.1	0.185	mg/L	0.0006	0.185	mg/L	0.0006	0.30%

Sequence No.: 45
Sample ID: G239-901-3C
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 38
Date Collected: 7/17/2009 06:24:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G239-901-3C

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G239-901-3C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	65.7	0.0039	mg/L	0.00108	0.0039	mg/L	0.00108	27.65%
Se 196	-42.4	0.0005	mg/L	0.00179	0.0005	mg/L	0.00179	376.12%
Cd 214	305.5	0.0034	mg/L	0.00025	0.0034	mg/L	0.00025	7.51%
Pb 220	-7.4	0.0026	mg/L	0.00020	0.0026	mg/L	0.00020	7.88%
Ba 234	152973.2	0.205	mg/L	0.0064	0.205	mg/L	0.0064	3.13%
Fe 260	2791.2	0.0211	mg/L	0.00329	0.0211	mg/L	0.00329	15.60%
Cr 268	143.5	0.0043	mg/L	0.00067	0.0043	mg/L	0.00067	15.53%
Mg 279	8247.0	0.917	mg/L	0.0242	0.917	mg/L	0.0242	2.63%
Al 308	629.3	0.0299	mg/L	0.02807	0.0299	mg/L	0.02807	93.84%
Ca 318	1447157.3	16.9	mg/L	0.03	16.9	mg/L	0.03	0.16%
Ag 328	-470.3	0.0018	mg/L	0.00001	0.0018	mg/L	0.00001	0.39%

Sequence No.: 46
Sample ID: G239-901-3C as
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 39
Date Collected: 7/17/2009 06:29:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G239-901-3C as

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G239-901-3C as

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3746.2	0.204	mg/L	0.0002	0.204	mg/L	0.0002	0.08%
Se 196	2872.9	0.197	mg/L	0.0003	0.197	mg/L	0.0003	0.16%
Cd 214	155465.4	0.195	mg/L	0.0001	0.195	mg/L	0.0001	0.07%
Pb 220	8868.0	0.201	mg/L	0.0016	0.201	mg/L	0.0016	0.81%
Ba 234	965771.2	1.17	mg/L	0.001	1.17	mg/L	0.001	0.12%
Fe 260	95899.6	1.03	mg/L	0.026	1.03	mg/L	0.026	2.56%
Cr 268	118886.2	0.200	mg/L	0.0006	0.200	mg/L	0.0006	0.28%

Mg 279	8340.3	0.927 mg/L	0.0035	0.927 mg/L	0.0035	0.38%
Al 308	677.7	0.0327 mg/L	0.00000	0.0327 mg/L	0.00000	0.00%
Ca 318	1461939.6	17.1 mg/L	0.05	17.1 mg/L	0.05	0.28%
Ag 328	168354.2	0.193 mg/L	0.0009	0.193 mg/L	0.0009	0.46%

Sequence No.: 47
Sample ID: ccv4
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 7/17/2009 06:33:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv4

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: ccv4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9676.4	0.528	mg/L	0.0005	0.528	mg/L	0.0005	0.09%
Se 196	7560.4	0.512	mg/L	0.0044	0.512	mg/L	0.0044	0.87%
Cd 214	410549.6	0.511	mg/L	0.0001	0.511	mg/L	0.0001	0.03%
Pb 220	22681.0	0.510	mg/L	0.0005	0.510	mg/L	0.0005	0.09%
Ba 234	2072358.0	2.49	mg/L	0.011	2.49	mg/L	0.011	0.44%
Fe 260	239828.2	2.59	mg/L	0.003	2.59	mg/L	0.003	0.13%
Cr 268	301816.9	0.502	mg/L	0.0027	0.502	mg/L	0.0027	0.54%
Mg 279	23384.9	2.61	mg/L	0.007	2.61	mg/L	0.007	0.27%
Al 308	44625.0	2.61	mg/L	0.016	2.61	mg/L	0.016	0.62%
Ca 318	227530.3	2.58	mg/L	0.002	2.58	mg/L	0.002	0.06%
Ag 328	435756.5	0.496	mg/L	0.0002	0.496	mg/L	0.0002	0.03%

Sequence No.: 48
Sample ID: ccb4
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 7/17/2009 06:37:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb4

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: ccb4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	76.5	0.0045	mg/L	0.00012	0.0045	mg/L	0.00012	2.75%
Se 196	-11.4	0.0025	mg/L	0.00037	0.0025	mg/L	0.00037	14.57%
Cd 214	131.2	0.0032	mg/L	0.00031	0.0032	mg/L	0.00031	9.78%
Pb 220	126.3	0.0056	mg/L	0.00132	0.0056	mg/L	0.00132	23.56%
Ba 234	418.7	0.0229	mg/L	0.00046	0.0229	mg/L	0.00046	1.99%
Fe 260	1288.2	0.0048	mg/L	0.00000	0.0048	mg/L	0.00000	0.00%
Cr 268	-338.9	0.0035	mg/L	0.00023	0.0035	mg/L	0.00023	6.38%
Mg 279	129.9	0.0103	mg/L	0.02252	0.0103	mg/L	0.02252	217.80%
Al 308	93.0	-0.0015	mg/L	0.00770	-0.0015	mg/L	0.00770	511.41%
Ca 318	469.2	-0.0926	mg/L	0.00000	-0.0926	mg/L	0.00000	0.00%
Ag 328	-308.0	0.0019	mg/L	0.00032	0.0019	mg/L	0.00032	16.41%

Sequence No.: 49
Sample ID: G239-901-3D dup
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 40
Date Collected: 7/17/2009 06:41:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G239-901-3D dup

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G239-901-3D dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	45.1	0.0028	mg/L	0.00092	0.0028	mg/L	0.00092	33.05%
Se 196	24.6	0.0050	mg/L	0.00081	0.0050	mg/L	0.00081	16.25%
Cd 214	483.2	0.0036	mg/L	0.00001	0.0036	mg/L	0.00001	0.28%
Pb 220	31.9	0.0035	mg/L	0.00083	0.0035	mg/L	0.00083	23.84%
Ba 234	128410.4	0.175	mg/L	0.0017	0.175	mg/L	0.0017	0.94%
Fe 260	1073.5	0.0025	mg/L	0.01647	0.0025	mg/L	0.01647	665.20%
Cr 268	190.1	0.0044	mg/L	0.00011	0.0044	mg/L	0.00011	2.56%
Mg 279	7141.6	0.794	mg/L	0.0101	0.794	mg/L	0.0101	1.27%
Al 308	738.8	0.0363	mg/L	0.00296	0.0363	mg/L	0.00296	8.15%
Ca 318	1252467.7	14.6	mg/L	0.02	14.6	mg/L	0.02	0.13%
Ag 328	-384.1	0.0019	mg/L	0.00022	0.0019	mg/L	0.00022	12.04%

Sequence No.: 50
Sample ID: G239-901-3D dup as
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 41
Date Collected: 7/17/2009 06:46:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G239-901-3D dup as

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G239-901-3D dup as

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3713.4	0.203	mg/L	0.0001	0.203	mg/L	0.0001	0.05%
Se 196	2848.1	0.195	mg/L	0.0002	0.195	mg/L	0.0002	0.11%
Cd 214	155342.2	0.195	mg/L	0.0020	0.195	mg/L	0.0020	1.02%
Pb 220	8764.7	0.199	mg/L	0.0014	0.199	mg/L	0.0014	0.71%
Ba 234	942143.4	1.15	mg/L	0.018	1.15	mg/L	0.018	1.58%
Fe 260	96188.9	1.03	mg/L	0.007	1.03	mg/L	0.007	0.64%
Cr 268	119275.2	0.201	mg/L	0.0017	0.201	mg/L	0.0017	0.84%
Mg 279	7134.3	0.793	mg/L	0.0066	0.793	mg/L	0.0066	0.83%
Al 308	742.7	0.0366	mg/L	0.01194	0.0366	mg/L	0.01194	32.67%
Ca 318	1233444.7	14.4	mg/L	0.01	14.4	mg/L	0.01	0.07%
Ag 328	167907.1	0.193	mg/L	0.0020	0.193	mg/L	0.0020	1.05%

Sequence No.: 51
Sample ID: tblk071309a
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 42
Date Collected: 7/17/2009 06:50:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: tblk071309a

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: tblk071309a

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-0.7	0.0003	mg/L	0.00119	0.0003	mg/L	0.00119	383.50%
Se 196	-26.6	0.0015	mg/L	0.00230	0.0015	mg/L	0.00230	151.59%
Cd 214	477.1	0.0036	mg/L	0.00051	0.0036	mg/L	0.00051	14.12%
Pb 220	215.0	0.0076	mg/L	0.00065	0.0076	mg/L	0.00065	8.63%
Ba 234	54781.3	0.0877	mg/L	0.00063	0.0877	mg/L	0.00063	0.72%
Fe 260	429.4	-0.0045	mg/L	0.01318	-0.0045	mg/L	0.01318	292.04%
Cr 268	480.6	0.0049	mg/L	0.00057	0.0049	mg/L	0.00057	11.54%
Mg 279	77.1	0.0044	mg/L	0.00210	0.0044	mg/L	0.00210	47.26%
Al 308	197.5	0.0046	mg/L	0.00834	0.0046	mg/L	0.00834	180.60%
Ca 318	2632.0	-0.0671	mg/L	0.00305	-0.0671	mg/L	0.00305	4.55%
Ag 328	-451.0	0.0018	mg/L	0.00028	0.0018	mg/L	0.00028	15.61%

Sequence No.: 52
Sample ID: G239-901-3D dup SDx5
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 43
Date Collected: 7/17/2009 06:54:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G239-901-3D dup SDx5

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G239-901-3D dup SDx5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	86.0	0.0050	mg/L	0.00220	0.0050	mg/L	0.00220	44.11%
Se 196	-20.6	0.0019	mg/L	0.00065	0.0019	mg/L	0.00065	33.66%
Cd 214	412.8	0.0035	mg/L	0.00018	0.0035	mg/L	0.00018	5.13%
Pb 220	18.8	0.0032	mg/L	0.00110	0.0032	mg/L	0.00110	34.59%
Ba 234	25940.6	0.0534	mg/L	0.00120	0.0534	mg/L	0.00120	2.25%
Fe 260	499.5	-0.0038	mg/L	0.00551	-0.0038	mg/L	0.00551	146.95%
Cr 268	46.7	0.0042	mg/L	0.00023	0.0042	mg/L	0.00023	5.51%
Mg 279	1759.6	0.192	mg/L	0.0028	0.192	mg/L	0.0028	1.47%
Al 308	294.3	0.0103	mg/L	0.00032	0.0103	mg/L	0.00032	3.11%
Ca 318	280165.4	3.20	mg/L	0.004	3.20	mg/L	0.004	0.12%
Ag 328	-165.5	0.0021	mg/L	0.00025	0.0021	mg/L	0.00025	12.01%

Sequence No.: 53
Sample ID: pb14665
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 44
Date Collected: 7/17/2009 06:59:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14665

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: pb14665

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	16.0	0.0012	mg/L	0.00066	0.0012	mg/L	0.00066	54.34%
Se 196	-81.6	-0.0022	mg/L	0.00033	-0.0022	mg/L	0.00033	15.15%
Cd 214	764.0	0.0039	mg/L	0.00016	0.0039	mg/L	0.00016	4.16%
Pb 220	265.8	0.0087	mg/L	0.00055	0.0087	mg/L	0.00055	6.28%
Ba 234	-354.5	0.0220	mg/L	0.00018	0.0220	mg/L	0.00018	0.81%
Fe 260	1503.0	0.0071	mg/L	0.01647	0.0071	mg/L	0.01647	230.85%
Cr 268	46.7	0.0042	mg/L	0.00022	0.0042	mg/L	0.00022	5.31%
Mg 279	43.4	0.0007	mg/L	0.01782	0.0007	mg/L	0.01782	>999.9%
Al 308	242.0	0.0072	mg/L	0.00337	0.0072	mg/L	0.00337	46.63%
Ca 318	5063.4	-0.0385	mg/L	0.00086	-0.0385	mg/L	0.00086	2.22%
Ag 328	-685.5	0.0015	mg/L	0.00033	0.0015	mg/L	0.00033	21.38%

Sequence No.: 54
Sample ID: lcs14665
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 45
Date Collected: 7/17/2009 07:03:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs14665

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: lcs14665

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	7125.8	0.389	mg/L	0.0032	0.389	mg/L	0.0032	0.83%
Se 196	5418.5	0.368	mg/L	0.0006	0.368	mg/L	0.0006	0.15%
Cd 214	301384.7	0.376	mg/L	0.0008	0.376	mg/L	0.0008	0.21%
Pb 220	16813.5	0.379	mg/L	0.0056	0.379	mg/L	0.0056	1.47%
Ba 234	1587997.8	1.91	mg/L	0.021	1.91	mg/L	0.021	1.11%
Fe 260	185507.2	2.00	mg/L	0.053	2.00	mg/L	0.053	2.63%
Cr 268	234867.9	0.392	mg/L	0.0001	0.392	mg/L	0.0001	0.03%
Mg 279	17276.7	1.93	mg/L	0.010	1.93	mg/L	0.010	0.52%
Al 308	32966.2	1.92	mg/L	0.004	1.92	mg/L	0.004	0.21%
Ca 318	172217.7	1.93	mg/L	0.017	1.93	mg/L	0.017	0.89%
Ag 328	313056.2	0.357	mg/L	0.0041	0.357	mg/L	0.0041	1.16%

Sequence No.: 55
Sample ID: lcd14665
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 46
Date Collected: 7/17/2009 07:07:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd14665

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: lcd14665

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	6877.9	0.375	mg/L	0.0046	0.375	mg/L	0.0046	1.23%
Se 196	5212.7	0.354	mg/L	0.0016	0.354	mg/L	0.0016	0.46%
Cd 214	294378.7	0.367	mg/L	0.0025	0.367	mg/L	0.0025	0.68%
Pb 220	16289.1	0.367	mg/L	0.0016	0.367	mg/L	0.0016	0.43%
Ba 234	1558394.4	1.88	mg/L	0.003	1.88	mg/L	0.003	0.15%
Fe 260	180853.7	1.95	mg/L	0.014	1.95	mg/L	0.014	0.73%
Cr 268	228237.7	0.381	mg/L	0.0027	0.381	mg/L	0.0027	0.71%
Mg 279	16112.8	1.80	mg/L	0.015	1.80	mg/L	0.015	0.86%
Al 308	30973.8	1.81	mg/L	0.016	1.81	mg/L	0.016	0.89%
Ca 318	157505.0	1.76	mg/L	0.008	1.76	mg/L	0.008	0.47%
Ag 328	306987.2	0.350	mg/L	0.0005	0.350	mg/L	0.0005	0.13%

Sequence No.: 56
Sample ID: G368-74-1C
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 47
Date Collected: 7/17/2009 07:11:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-74-1C

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G368-74-1C

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	931.0	0.0522	mg/L	0.00068	0.0522	mg/L	0.00068	1.30%
Se 196	-629.5	0.0752	mg/L	0.00112	0.0752	mg/L	0.00112	1.49%
Cd 214	11622.6	0.0055	mg/L	0.00003	0.0055	mg/L	0.00003	0.54%
Pb 220	36722.6	0.825	mg/L	0.0018	0.825	mg/L	0.0018	0.22%
Ba 234	604615.7	0.743	mg/L	0.0067	0.743	mg/L	0.0067	0.91%
Fe 260	21010984.7	228	mg/L	1.7	228	mg/L	1.7	0.75%
Cr 268	109633.2	0.185	mg/L	0.0007	0.185	mg/L	0.0007	0.36%
Mg 279	198178.3	22.1	mg/L	0.06	22.1	mg/L	0.06	0.25%
Al 308	2044216.6	120	mg/L	0.7	120	mg/L	0.7	0.61%
Ca 318	2576418.9	30.2	mg/L	0.40	30.2	mg/L	0.40	1.32%
Ag 328	732.9	0.0031	mg/L	0.00039	0.0031	mg/L	0.00039	12.48%

Sequence No.: 57
Sample ID: G368-74-1D ms
Autosampler Location: 48
Date Collected: 7/17/2009 07:16:15 PM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-74-1D ms

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G368-74-1D ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7368.7	0.403	mg/L	0.0027	0.403	mg/L	0.0027	0.68%
Se 196	4803.6	0.410	mg/L	0.0023	0.410	mg/L	0.0023	0.56%
Cd 214	303189.1	0.369	mg/L	0.0044	0.369	mg/L	0.0044	1.20%
Pb 220	58942.2	1.32	mg/L	0.006	1.32	mg/L	0.006	0.47%
Ba 234	2034933.7	2.45	mg/L	0.020	2.45	mg/L	0.020	0.80%
Fe 260	15598153.2	169	mg/L	2.2	169	mg/L	2.2	1.32%
Cr 268	308780.8	0.514	mg/L	0.0016	0.514	mg/L	0.0016	0.31%
Mg 279	207969.1	23.2	mg/L	0.12	23.2	mg/L	0.12	0.50%
Al 308	1905934.4	112	mg/L	1.6	112	mg/L	1.6	1.45%
Ca 318	2586370.6	30.3	mg/L	0.01	30.3	mg/L	0.01	0.02%
Ag 328	309433.4	0.353	mg/L	0.0029	0.353	mg/L	0.0029	0.82%

Sequence No.: 58
Sample ID: G368-74-1E msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 7/17/2009 07:20:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-74-1E msd

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G368-74-1E msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7658.8	0.419	mg/L	0.0030	0.419	mg/L	0.0030	0.71%
Se 196	4766.3	0.422	mg/L	0.0029	0.422	mg/L	0.0029	0.69%
Cd 214	297675.9	0.361	mg/L	0.0004	0.361	mg/L	0.0004	0.10%
Pb 220	51530.5	1.16	mg/L	0.002	1.16	mg/L	0.002	0.14%
Ba 234	2099226.5	2.52	mg/L	0.047	2.52	mg/L	0.047	1.85%
Fe 260	18256866.6	198	mg/L	1.2	198	mg/L	1.2	0.62%
Cr 268	325630.5	0.542	mg/L	0.0000	0.542	mg/L	0.0000	0.00%
Mg 279	261032.4	29.2	mg/L	0.21	29.2	mg/L	0.21	0.71%
Al 308	2048507.4	120	mg/L	1.7	120	mg/L	1.7	1.40%
Ca 318	3611163.2	42.4	mg/L	0.16	42.4	mg/L	0.16	0.39%
Ag 328	307664.2	0.351	mg/L	0.0031	0.351	mg/L	0.0031	0.87%

Sequence No.: 59
Sample ID: ccv5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/17/2009 07:24:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv5

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: ccv5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9513.3	0.519	mg/L	0.0001	0.519	mg/L	0.0001	0.02%
Se 196	7488.8	0.507	mg/L	0.0000	0.507	mg/L	0.0000	0.00%
Cd 214	409745.1	0.510	mg/L	0.0006	0.510	mg/L	0.0006	0.11%

Pb 220	22094.3	0.497 mg/L	0.0015	0.497 mg/L	0.0015	0.30%
Ba 234	2060843.0	2.48 mg/L	0.059	2.48 mg/L	0.059	2.39%
Fe 260	234385.9	2.53 mg/L	0.010	2.53 mg/L	0.010	0.39%
Cr 268	300556.6	0.500 mg/L	0.0027	0.500 mg/L	0.0027	0.54%
Mg 279	23171.4	2.58 mg/L	0.032	2.58 mg/L	0.032	1.24%
Al 308	44617.2	2.61 mg/L	0.008	2.61 mg/L	0.008	0.31%
Ca 318	224255.2	2.54 mg/L	0.033	2.54 mg/L	0.033	1.29%
Ag 328	434848.2	0.495 mg/L	0.0003	0.495 mg/L	0.0003	0.05%

Sequence No.: 60
Sample ID: ccb5
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 7/17/2009 07:29:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb5

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: ccb5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	67.1	0.0040	mg/L	0.00141	0.0040	mg/L	0.00141	35.42%
Se 196	-58.7	-0.0006	mg/L	0.00311	-0.0006	mg/L	0.00311	495.37%
Cd 214	551.9	0.0037	mg/L	0.00029	0.0037	mg/L	0.00029	7.82%
Pb 220	154.4	0.0062	mg/L	0.00037	0.0062	mg/L	0.00037	5.88%
Ba 234	429.1	0.0230	mg/L	0.00016	0.0230	mg/L	0.00016	0.69%
Fe 260	1503.0	0.0071	mg/L	0.00329	0.0071	mg/L	0.00329	46.17%
Cr 268	-51.9	0.0040	mg/L	0.00000	0.0040	mg/L	0.00000	0.00%
Mg 279	113.9	0.0086	mg/L	0.00996	0.0086	mg/L	0.00996	116.47%
Al 308	290.5	0.0101	mg/L	0.00000	0.0101	mg/L	0.00000	0.00%
Ca 318	262.0	-0.0950	mg/L	0.00204	-0.0950	mg/L	0.00204	2.14%
Ag 328	56.5	0.0024	mg/L	0.00038	0.0024	mg/L	0.00038	16.24%

Sequence No.: 61
Sample ID: G368-74-1F dup
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 50
Date Collected: 7/17/2009 07:33:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-74-1F dup

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G368-74-1F dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	897.6	0.0501	mg/L	0.00189	0.0501	mg/L	0.00189	3.78%
Se 196	-629.7	0.0578	mg/L	0.00037	0.0578	mg/L	0.00037	0.64%
Cd 214	9852.6	0.0052	mg/L	0.00004	0.0052	mg/L	0.00004	0.81%
Pb 220	35208.7	0.791	mg/L	0.0035	0.791	mg/L	0.0035	0.45%
Ba 234	621107.4	0.763	mg/L	0.0052	0.763	mg/L	0.0052	0.69%
Fe 260	17807628.5	193	mg/L	2.5	193	mg/L	2.5	1.27%
Cr 268	88867.6	0.151	mg/L	0.0001	0.151	mg/L	0.0001	0.07%
Mg 279	183912.3	20.5	mg/L	0.25	20.5	mg/L	0.25	1.22%
Al 308	1822132.6	107	mg/L	0.5	107	mg/L	0.5	0.47%
Ca 318	1971219.0	23.1	mg/L	0.02	23.1	mg/L	0.02	0.10%
Ag 328	491.0	0.0029	mg/L	0.00003	0.0029	mg/L	0.00003	1.12%

Sequence No.: 62
Sample ID: G368-74-1F dup SDx5
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 51
Date Collected: 7/17/2009 07:37:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-74-1F dup SDx5

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G368-74-1F dup SDx5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	233.8	0.0132	mg/L	0.00180	0.0132	mg/L	0.00180	13.60%
Se 196	-170.8	0.0140	mg/L	0.00238	0.0140	mg/L	0.00238	16.95%
Cd 214	2555.1	0.0039	mg/L	0.00019	0.0039	mg/L	0.00019	4.96%
Pb 220	7176.7	0.163	mg/L	0.0003	0.163	mg/L	0.0003	0.16%
Ba 234	124822.3	0.171	mg/L	0.0023	0.171	mg/L	0.0023	1.32%
Fe 260	4086868.3	44.3	mg/L	0.02	44.3	mg/L	0.02	0.04%
Cr 268	18051.2	0.0339	mg/L	0.00045	0.0339	mg/L	0.00045	1.32%
Mg 279	41773.2	4.66	mg/L	0.087	4.66	mg/L	0.087	1.86%
Al 308	400195.5	23.4	mg/L	0.20	23.4	mg/L	0.20	0.86%
Ca 318	409506.9	4.72	mg/L	0.072	4.72	mg/L	0.072	1.52%
Ag 328	105.3	0.0024	mg/L	0.00031	0.0024	mg/L	0.00031	12.63%

Sequence No.: 63 **Autosampler Location: 52**
Sample ID: G368-74-2C **Date Collected: 7/17/2009 07:42:01 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-74-2C

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G368-74-2C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	829.9	0.0482	mg/L	0.00218	0.0482	mg/L	0.00218	4.53%
Se 196	-1183.6	0.111	mg/L	0.0004	0.111	mg/L	0.0004	0.39%
Cd 214	16419.5	0.0039	mg/L	0.00008	0.0039	mg/L	0.00008	2.15%
Pb 220	138539.7	3.10	mg/L	0.004	3.10	mg/L	0.004	0.13%
Ba 234	546821.4	0.674	mg/L	0.0083	0.674	mg/L	0.0083	1.23%
Fe 260	34495132.7	374	mg/L	2.5	374	mg/L	2.5	0.66%
Cr 268	216948.0	0.362	mg/L	0.0015	0.362	mg/L	0.0015	0.40%
Mg 279	191121.9	21.3	mg/L	0.01	21.3	mg/L	0.01	0.05%
Al 308	1909755.9	112	mg/L	0.6	112	mg/L	0.6	0.50%
Ca 318	1590627.2	18.6	mg/L	0.39	18.6	mg/L	0.39	2.12%
Ag 328	2784.3	0.0055	mg/L	0.00034	0.0055	mg/L	0.00034	6.18%

Sequence No.: 64 **Autosampler Location: 8**
Sample ID: icsA2 **Date Collected: 7/17/2009 07:46:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: icsA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	81.6	0.0048	mg/L	0.00079	0.0048	mg/L	0.00079	16.55%
Se 196	-251.0	0.0375	mg/L	0.00789	0.0375	mg/L	0.00789	21.04%
Cd 214	2495.3	0.0008	mg/L	0.00030	0.0008	mg/L	0.00030	37.44%
Pb 220	38.5	0.0036	mg/L	0.00036	0.0036	mg/L	0.00036	9.96%
Ba 234	1094.7	0.0237	mg/L	0.00006	0.0237	mg/L	0.00006	0.23%
Fe 260	9395492.1	102	mg/L	0.6	102	mg/L	0.6	0.58%
Cr 268	1595.7	0.0067	mg/L	0.00022	0.0067	mg/L	0.00022	3.29%

Mg 279	372644.7	41.6 mg/L	0.81	41.6 mg/L	0.81	1.95%
Al 308	1803257.1	106 mg/L	0.1	106 mg/L	0.1	0.10%
Ca 318	3724313.9	43.7 mg/L	0.65	43.7 mg/L	0.65	1.47%
Ag 328	393.4	0.0027 mg/L	0.00006	0.0027 mg/L	0.00006	2.32%

Sequence No.: 65 **Autosampler Location: 9**
Sample ID: icsB2 **Date Collected: 7/17/2009 07:50:38 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: icsB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5607.9	0.306	mg/L	0.0016	0.306	mg/L	0.0016	0.52%
Se 196	4019.9	0.322	mg/L	0.0021	0.322	mg/L	0.0021	0.66%
Cd 214	232581.2	0.286	mg/L	0.0030	0.286	mg/L	0.0030	1.04%
Pb 220	12533.8	0.283	mg/L	0.0009	0.283	mg/L	0.0009	0.33%
Ba 234	786756.5	0.960	mg/L	0.0015	0.960	mg/L	0.0015	0.16%
Fe 260	8987552.4	97.5	mg/L	0.19	97.5	mg/L	0.19	0.20%
Cr 268	173440.9	0.290	mg/L	0.0011	0.290	mg/L	0.0011	0.39%
Mg 279	345817.8	38.6	mg/L	0.88	38.6	mg/L	0.88	2.28%
Al 308	1709592.1	100	mg/L	0.1	100	mg/L	0.1	0.06%
Ca 318	3416949.0	40.1	mg/L	0.26	40.1	mg/L	0.26	0.65%
Ag 328	249970.4	0.286	mg/L	0.0026	0.286	mg/L	0.0026	0.91%

Sequence No.: 66 **Autosampler Location: 3**
Sample ID: ccv6 **Date Collected: 7/17/2009 07:54:54 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ccv6

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: ccv6

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9408.9	0.513	mg/L	0.0017	0.513	mg/L	0.0017	0.33%
Se 196	7392.0	0.501	mg/L	0.0038	0.501	mg/L	0.0038	0.76%
Cd 214	407957.5	0.507	mg/L	0.0026	0.507	mg/L	0.0026	0.51%
Pb 220	22215.5	0.500	mg/L	0.0050	0.500	mg/L	0.0050	1.01%
Ba 234	2047708.4	2.46	mg/L	0.026	2.46	mg/L	0.026	1.06%
Fe 260	231594.7	2.50	mg/L	0.007	2.50	mg/L	0.007	0.26%
Cr 268	300074.2	0.500	mg/L	0.0016	0.500	mg/L	0.0016	0.32%
Mg 279	22972.1	2.56	mg/L	0.038	2.56	mg/L	0.038	1.47%
Al 308	44375.2	2.59	mg/L	0.020	2.59	mg/L	0.020	0.77%
Ca 318	227061.1	2.57	mg/L	0.034	2.57	mg/L	0.034	1.33%
Ag 328	435440.1	0.496	mg/L	0.0014	0.496	mg/L	0.0014	0.28%

Sequence No.: 67 **Autosampler Location: 1**
Sample ID: ccb6 **Date Collected: 7/17/2009 07:59:14 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ccb6

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: ccb6

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	87.6	0.0051	mg/L	0.00088	0.0051	mg/L	0.00088	17.32%
Se 196	-19.9	0.0020	mg/L	0.00083	0.0020	mg/L	0.00083	42.37%
Cd 214	144.4	0.0032	mg/L	0.00013	0.0032	mg/L	0.00013	4.05%
Pb 220	67.4	0.0043	mg/L	0.00211	0.0043	mg/L	0.00211	49.36%
Ba 234	102.6	0.0226	mg/L	0.00000	0.0226	mg/L	0.00000	0.00%
Fe 260	-359.4	-0.0131	mg/L	0.00766	-0.0131	mg/L	0.00766	58.63%
Cr 268	191.9	0.0044	mg/L	0.00033	0.0044	mg/L	0.00033	7.58%
Mg 279	51.6	0.0016	mg/L	0.00643	0.0016	mg/L	0.00643	403.57%
Al 308	242.0	0.0072	mg/L	0.00401	0.0072	mg/L	0.00401	55.48%
Ca 318	464.4	-0.0927	mg/L	0.00633	-0.0927	mg/L	0.00633	6.83%
Ag 328	-388.3	0.0019	mg/L	0.00004	0.0019	mg/L	0.00004	2.01%

8082 Prep, Standard, Run Logs

Prep Report for Batch 14666 (8082/3541/SOIL) on 2009-07-17 by dtf

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot	HexaneLot	Balance
G368-74-1G (633201)		32.36			8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
G368-74-2D (633202)		32.56			8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
G368-74-2E (633203)	MS	32.90	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
G368-74-2F (633204)	MSD	31.77	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
LCS14666	LCS	32.0	8082QCSV03W67P	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
PB14666	PB	32.0			8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082 | Initial Cal. Curve: 06/16/09

Matrix: Soil/Water | Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	6/16/2009 12:07					BWS	
001B0102.D	b	6/16/2009 12:19					BWS	
001B0103.D	b	6/16/2009 12:32					BWS	
001B0104.D	b	6/16/2009 12:45					BWS	
001B0105.D	b	6/16/2009 12:58					BWS	
002B0201.D	PCB 2000	6/16/2009 13:11					BWS	
002B0202.D	PCB 2000	6/16/2009 13:24					BWS	
002B0203.D	PCB 2000	6/16/2009 13:37					BWS	
002B0204.D	PCB 2000	6/16/2009 13:50					BWS	
002B0205.D	PCB 2000	6/16/2009 14:02					BWS	
003B0301.D	b	6/16/2009 14:15					BWS	
003B0302.D	b	6/16/2009 14:28					BWS	
003B0303.D	b	6/16/2009 14:40					BWS	
003B0304.D	b	6/16/2009 14:53					BWS	
003B0305.D	b	6/16/2009 15:06					BWS	
004B0401.D	A1221 x2000 ICAL	6/16/2009 15:19	Good curve F+B	✓	✓		BWS	
005B0501.D	A1221 x1000 ICAL	6/16/2009 15:32	↓	↓	↓		BWS	
006B0601.D	A1221 x500 ICAL	6/16/2009 15:45	↓	↓	↓		BWS	
007B0701.D	A1221 x200 ICAL	6/16/2009 15:57	↓	↓	↓		BWS	
008B0801.D	A1221 x100 ICAL	6/16/2009 16:10	↓	↓	↓		BWS	
009B0901.D	A1221 x40 ICAL	6/16/2009 16:23	↓	↓	↓		BWS	
010B1001.D	A1232 x2000 ICAL	6/16/2009 16:36	Good curve F+B	✓	✓		BWS	
011B1101.D	A1232 x1000 ICAL	6/16/2009 16:49	↓	↓	↓		BWS	
012B1201.D	A1232 x500 ICAL	6/16/2009 17:02	↓	↓	↓		BWS	

Analyst: [illegible] Standards: Curve = ECD04-W9T QC = ECD04-W10A Page Number: 1

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
013B1301.D	A1232 x200 ICAL	6/16/2009 17:15	Good Curve F + B	✓	✓		BWS	
014B1401.D	A1232 x100 ICAL	6/16/2009 17:28		↓	↓		BWS	
015B1501.D	A1232 x40 ICAL	6/16/2009 17:40		↓	↓		BWS	
016B1601.D	A1242 x2000 ICAL	6/16/2009 17:53	Good Curve F+B	✓	✓		BWS	
017B1701.D	A1242 x1000 ICAL	6/16/2009 18:06		↓	↓		BWS	
018B1801.D	A1242 x500 ICAL	6/16/2009 18:19		↓	↓		BWS	
019B1901.D	A1242 x200 ICAL	6/16/2009 18:32		↓	↓		BWS	
020B2001.D	A1242 x100 ICAL	6/16/2009 18:45		↓	↓		BWS	
021B2101.D	A1242 x40 ICAL	6/16/2009 18:58		↓	↓		BWS	
022B2201.D	A1248 x2000 ICAL	6/16/2009 19:11	Good Curve F + B	✓	✓		BWS	
023B2301.D	A1248 x1000 ICAL	6/16/2009 19:24		↓	↓		BWS	
024B2401.D	A1248 x500 ICAL	6/16/2009 19:37		↓	↓		BWS	
025B2501.D	A1248 x200 ICAL	6/16/2009 19:49		↓	↓		BWS	
026B2601.D	A1248 x100 ICAL	6/16/2009 20:02		↓	↓		BWS	
027B2701.D	A1248 x40 ICAL	6/16/2009 20:15		↓	↓		BWS	
028B2801.D	A1254 x2000 ICAL	6/16/2009 20:28	Good Curve F + B	✓	✓		BWS	
029B2901.D	A1254 x1000 ICAL	6/16/2009 20:41		↓	↓		BWS	
030B3001.D	A1254 x500 ICAL	6/16/2009 20:54		↓	↓		BWS	
031B3101.D	A1254 x200 ICAL	6/16/2009 21:07		↓	↓		BWS	
032B3201.D	A1254 x100 ICAL	6/16/2009 21:20		↓	↓		BWS	
033B3301.D	A1254 x40 ICAL	6/16/2009 21:33		↓	↓		BWS	
034B3401.D	PCB x2000 ICAL	6/16/2009 21:46	Good Curve F+ B	✓	✓		BWS	
035B3501.D	PCB x1000 ICAL	6/16/2009 21:58		↓	↓		BWS	

Analyst: [illegible]

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 2

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
036B3601.D	PCB x500 ICAL	6/16/2009 22:11	Good Curve F + B	✓	✓		BWS	
037B3701.D	PCB x200 ICAL	6/16/2009 22:24		↓	↓		BWS	
038B3801.D	PCB x100 ICAL	6/16/2009 22:37		↓	↓		BWS	
039B3901.D	PCB x40 ICAL	6/16/2009 22:50	↓	↓	↓		BWS	
040B4001.D	cvs-1221-1000	6/16/2009 23:03			✓		BWS	
041B4101.D	cvs-1232-1000	6/16/2009 23:16			✓		BWS	
042B4201.D	cvs-1242-1000	6/16/2009 23:29			✓		BWS	
043B4301.D	cvs-1248-1000	6/16/2009 23:42			✓		BWS	
044B4401.D	cvs-1254-1000	6/16/2009 23:55			✓		BWS	
045B4501.D	cvs-PCB-1000	6/17/2009 0:07			✓		BWS	
046B4601.D	PB14434 x1	6/17/2009 0:20			✓		BWS	
047B4701.D	LCS14434 x1	6/17/2009 0:33			✓		BWS	
048B4801.D	LCSD14434 x1	6/17/2009 0:46			✓		BWS	
049B4901.D	G582-382-1O x100	6/17/2009 0:59	54-5; 60-3 (54,60)		~~X200~~ ✓		BWS	
050B5001.D	G582-386-1J x1	6/17/2009 1:12	54-5; 60-3 (54,60)		✓		BWS	
051B5101.D	G582-387-1I x1	6/17/2009 1:25			x5		BWS	
052B5201.D	G100-1090-6D x1	6/17/2009 1:38			✓		BWS	
044B5301.D	cvs-1254-1000	6/17/2009 1:50			✓		BWS	
045B5401.D	cvs-PCB-1000	6/17/2009 2:03			✓		BWS	
		BWS	6.17.09					

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 3

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec071709

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	7/17/2009 8:35					BWS	
002B0201.D	b	7/17/2009 8:47					BWS	
003B0301.D	b	7/17/2009 9:00					BWS	
004B0401.D	cvs-1221-1000	7/17/2009 9:13			✓		BWS	
005B0501.D	cvs-1232-1000	7/17/2009 9:26			✓		BWS	
006B0601.D	cvs-1242-1000	7/17/2009 9:39			NGH		BWS	
007B0701.D	cvs-1248-1000	7/17/2009 9:52			✓		BWS	
008B0801.D	cvs-1254-1000	7/17/2009 10:04			✓		BWS	
009B0901.D	cvs-PCB-1000	7/17/2009 10:17			✓		BWS	
010B1001.D	PB14~~569~~ 659 x1 BW	7/17/2009 10:30			✓		BWS	
011B1101.D	LCS14~~560~~ 657 x1 7-20-09	7/17/2009 10:43			✓		BWS	
012B1201.D	LCSD14~~569~~ 658 x1	7/17/2009 10:56			✓		BWS	
013B1301.D	G100-1095-5D x1	7/17/2009 11:09			✓		BWS	
014B1401.D	G100-1096-1D x1	7/17/2009 11:21			✓		BWS	
015B1501.D	G894-161-1O x1	7/17/2009 11:34			LU		BWS	
016B1601.D	G894-161-2O x1	7/17/2009 11:47			LU		BWS	
017B1701.D	G894-161-3O x1	7/17/2009 12:00	Tcmx NGH mx interference		✓		BWS	
018B1801.D	cvs-1254-1000	7/17/2009 12:13			✓		BWS	
019B1901.D	cvs-PCB-1000	7/17/2009 12:26			✓		BWS	
020B2001.D	PB14662 x1	7/17/2009 12:38			✓		BWS	
021B2101.D	LCS14662 x1	7/17/2009 12:51			✓		BWS	
022B2201.D	G1023-80-1N x1	7/17/2009 13:04			✓		BWS	
023B2301.D	G1023-80-2N x1	7/17/2009 13:17			✓		BWS	

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec071709

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
024B2401.D	G1023-80-3N x1	7/17/2009 13:30			✓		BWS	
025B2501.D	G1023-80-4N x1	7/17/2009 13:43			Cu		BWS	
026B2601.D	G1053-3-1B x1	7/17/2009 13:56	54-5;60-3,4 (54,60)		✓		BWS	
027B2701.D	G1053-3-2B x1	7/17/2009 14:08	54-5;60-3,4 (54,60)		✓		BWS	
028B2801.D	G1053-3-3I x1	7/17/2009 14:21	54-5;60-3,4 (54,60)		✓		BWS	
029B2901.D	G1053-3-4B x1	7/17/2009 14:34	54-5;60-3,4 (54,60)		✓		BWS	
030B3001.D	cvs-1254-1000	7/17/2009 14:47			✓		BWS	
031B3101.D	cvs-PCB-1000	7/17/2009 15:00			✓		BWS	
032B3201.D	G1053-3-5B x1	7/17/2009 15:13	54-5;60-3,4 (54,60)		✓		BWS	
033B3301.D	G1053-3-6I x1	7/17/2009 15:25	1260-4 (1260)		✓		BWS	
034B3401.D	G1053-3-5C MS x1	7/17/2009 15:38	Peak 5 cid= 632805		✓		BWS	
035B3501.D	G1053-3-5D MSD x1	7/17/2009 15:51	Peak 5 cid= 632806		✓		BWS	
036B3601.D	G368-74-1G x1	7/17/2009 16:04			X10		BWS	
037B3701.D	G368-74-2D x1	7/17/2009 16:17			X50		BWS	
038B3801.D	G894-161-1O x1	7/17/2009 16:30			✓		BWS	
039B3901.D	G894-161-2O x1	7/17/2009 16:43			✓		BWS	
040B4001.D	G1023-80-4N x1	7/17/2009 16:55			✓		BWS	
030B4101.D	cvs-1254-1000	7/17/2009 17:08			✓		BWS	
031B4201.D	cvs-PCB-1000	7/17/2009 17:21			✓		BWS	
041B4301.D	PB14666 x1	7/17/2009 17:34			✓		BWS	
042B4401.D	LCS14666 x1	7/17/2009 17:47			✓		BWS	
043B4501.D	G368-74-2E MS x50	7/17/2009 18:00	cid= 633203		✓		BWS	
044B4601.D	G368-74-2F MSD x50	7/17/2009 18:13	cid= 633204		✓		BWS	

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 2

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec071709

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
045B4701.D	G368-74-1G x10	7/17/2009 18:26	(1248)		X20		BWS	
046B4801.D	G368-74-2D x50	7/17/2009 18:39	(1248)		✓		BWS	
030B4901.D	cvs-1254-1000	7/17/2009 18:51			✓		BWS	
031B5001.D	cvs-PCB-1000	7/17/2009 19:04			✓		BWS	

BWS 7.20.09

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 3

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec072009

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	7/20/2009 7:37					BWS	
002B0201.D	b	7/20/2009 7:50					BWS	
003B0301.D	b	7/20/2009 8:03					BWS	
004B0401.D	cvs-1221-1000	7/20/2009 8:15			✓		BWS	
005B0501.D	cvs-1232-1000	7/20/2009 8:28			✓		BWS	
006B0601.D	cvs-1242-1000	7/20/2009 8:41			✓		BWS	
007B0701.D	cvs-1248-1000	7/20/2009 8:54			✓		BWS	
008B0801.D	cvs-1254-1000	7/20/2009 9:07			✓		BWS	
009B0901.D	cvs-PCB-1000	7/20/2009 9:19	wrong vial		RR		BWS	
010B0101.D	cvs-PCB-1000	7/20/2009 9:53			✓		BWS	
011B0201.D	G368-74-1G x20	7/20/2009 10:06	(1248)		✓		BWS	
012B0301.D	cvs-1254-1000	7/20/2009 10:19			✓		BWS	
013B0401.D	cvs-PCB-1000	7/20/2009 10:31			✓		BWS	
			7-20-09					

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

8082 Calibration Raw Data

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	245.3261566	2.81282
		2	155.8206329	2.9226999
		3	638.8563843	2.9537599
		4	0	0
		5	0	0
	100	1	500.9041748	2.8134401
		2	303.3854675	2.92314
		3	1263.362671	2.9544599
		4	0	0
		5	0	0
	200	1	1008.540039	2.8132801
		2	614.2987671	2.9228699
		3	2581.186279	2.9542
		4	0	0
		5	0	0
	500	1	2391.794678	2.8136101
		2	1448.612183	2.9233999
		3	5996.157715	2.9551401
		4	0	0
		5	0	0
	1000	1	5249.20459	2.8127799
		2	2938.137451	2.92238
		3	12695.41699	2.9535899
		4	0	0
		5	0	0
	2000	1	10792.90527	2.81248
		2	5933.97168	2.92207
		3	25705.44531	2.9533701
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	2.7831	2.8431
2	2.8928	2.9528
3	2.9241	2.9841
4		
5		

Peak	Correlation Coefficient (r)
1	0.999547291
2	0.99993285
3	0.999800257
4	
5	

Peak	Slope (y)
1	0.184846976
2	0.338626207
3	0.077910074
4	
5	

Peak	Intercept (b)
1	18.03074848
2	-3.063931603
3	5.287071647
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	128.4451447	3.47328
		2	130.5376434	3.7929001
		3	138.2742157	4.1808
		4	77.82170105	4.6981201
		5	96.44385529	5.0638099
	100	1	216.2887573	3.4734199
		2	200.2416382	3.79285
		3	210.9858551	4.1808701
		4	116.2147293	4.6984401
		5	142.0018921	5.0647101
	200	1	486.6502991	3.4735601
		2	427.340332	3.7934599
		3	469.4269409	4.1813598
		4	247.6925964	4.6983299
		5	301.9916687	5.0646
	500	1	1370.64856	3.4731901
		2	1150.080566	3.7936101
		3	1341.419922	4.1807799
		4	687.4240723	4.6979799
		5	817.4537964	5.0646801
	1000	1	2691.677979	3.4730201
		2	2218.20874	3.7932701
		3	2850.830322	4.1803799
		4	1341.828247	4.6978002
		5	1594.224243	5.0641999
	2000	1	5829.130859	3.4735501
		2	4788.60791	3.7937801
		3	7059.396484	4.1809101
		4	2918.447266	4.6979399
		5	3467.224609	5.06462

Peak	RT Window From	RT Window To
1	3.4433	3.5033
2	3.7633	3.8233
3	4.1508	4.2108
4	4.6681	4.7281
5	5.0344	5.0944

Peak	Correlation Coefficient (r)
1	0.999266493
2	0.999219182
3	0.995103716
4	0.999080518
5	0.999057834

✓

Peak	Slope (y)
1	0.342282466
2	0.419088189
3	0.280616234
4	0.686112548
5	0.578432121

Peak	Intercept (b)
1	28.29322338
2	17.30362431
3	75.4780663
4	23.70756688
5	21.14125161

PCB Initial Calibration Summary

Sample ID: A1242
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	113.9381485	3.47331
		2	252.1701965	3.7927699
		3	246.2476196	4.1816001
		4	149.9369507	4.69876
		5	173.3050385	5.0646601
	100	1	207.6104431	3.4740601
		2	414.2875061	3.7943499
		3	543.1567383	4.1816502
		4	276.8204651	4.6985002
		5	336.6770325	5.06496
	200	1	395.3930054	3.4739399
		2	780.1361694	3.79441
		3	1045.235474	4.18186
		4	536.1246948	4.6989398
		5	648.7318115	5.0650902
	500	1	960.0159912	3.47364
		2	1938.765625	3.79444
		3	2829.961426	4.1811299
		4	1360.825806	4.6981301
		5	1634.499023	5.06464
	1000	1	2033.830322	3.4737101
		2	4071.440674	3.7948501
		3	6488.691406	4.18156
		4	2958.269775	4.6987901
		5	3563.592041	5.0651002
	2000	1	3962.707275	3.4741099
		2	7946.291992	3.79532
		3	12468.87988	4.1816802
		4	5915.206055	4.6987801
		5	7151.570801	5.0652599

Peak	RT Window From	RT Window To
1	3.4438	3.5038
2	3.7644	3.8244
3	4.1516	4.2116
4	4.6687	4.7287
5	5.0350	5.0950

Peak	Correlation Coefficient (r)
1	0.999808258
2	0.999804811
3	0.999330689
4	0.999726656
5	0.999718569

✓

Peak	Slope (y)
1	0.504723015
2	0.251962874
3	0.157819658
4	0.336631004
5	0.278421794

Peak	Intercept (b)
1	-5.498271349
2	-6.834562602
3	18.65946912
4	11.78013154
5	13.16229906

PCB Initial Calibration Summary

Sample ID: A1248
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	180.3321991	4.46912
		2	266.9612122	4.6998501
		3	314.8575134	5.0650902
		4	283.4669495	5.2547898
		5	125.6370163	5.6012502
	100	1	311.6848145	4.4682598
		2	390.6215515	4.6981702
		3	563.4898682	5.0645099
		4	539.5948486	5.2544198
		5	232.8683472	5.6003799
	200	1	701.99823	4.4685998
		2	905.8077393	4.6981902
		3	1303.56958	5.0648398
		4	1268.165771	5.2543702
		5	535.5101318	5.6005902
	500	1	1901.684937	4.4695501
		2	2512.919678	4.69941
		3	3658.345947	5.0655298
		4	3585.534424	5.2551899
		5	1494.218994	5.6015201
	1000	1	4111.20459	4.4686298
		2	5394.391602	4.6985502
		3	7994.771484	5.0648599
		4	7896.041504	5.2544498
		5	3272.715576	5.60109
	2000	1	8806.677734	4.4691
		2	11836.07129	4.6990199
		3	17186.01758	5.0652699
		4	17175.9707	5.25488
		5	7110.137695	5.6010199

Peak	RT Window From	RT Window To
1	4.4389	4.4989
2	4.6689	4.7289
3	5.0350	5.0950
4	5.2247	5.2847
5	5.5710	5.6310

Peak	Correlation Coefficient (r)
1	0.999214642
2	0.998741491
3	0.9991701
4	0.99898148
5	0.998990615

✓

Peak	Slope (y)
1	0.225261722
2	0.167686467
3	0.115080361
4	0.114998218
5	0.278205875

Peak	Intercept (b)
1	38.79213832
2	44.52374958
3	45.01435743
4	50.65762646
5	47.83472661

PCB Initial Calibration Summary

Sample ID: A1254 Date: 16-Jun-09
Inst: ECD2 Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	229.1189117	5.0585999
		2	249.3790131	5.2213602
		3	330.6585693	5.60078
		4	261.4362183	5.7873101
		5	341.5723877	6.2081499
	100	1	447.2060547	5.0588102
		2	505.8791199	5.22156
		3	680.1452026	5.6012301
		4	629.8706055	5.7874298
		5	720.9144897	6.20858
	200	1	926.4535522	5.0589399
		2	987.8835449	5.2212801
		3	1473.576904	5.60076
		4	1242.702637	5.78721
		5	1477.556396	6.2087498
	500	1	2630.861328	5.0586801
		2	2990.208008	5.2210898
		3	4376.578613	5.6012101
		4	3507.077637	5.7876501
		5	4512.064941	6.20889
	1000	1	5308.978027	5.0584302
		2	6097.466797	5.2210202
		3	8935.365234	5.6009202
		4	7195.558105	5.7871099
		5	9338.537109	6.2082801
	2000	1	10664.68945	5.0589399
		2	10872.67285	5.2214198
		3	18025.05078	5.60109
		4	14417.08203	5.7869501
		5	17500.42969	6.2084498

Peak	RT Window From	RT Window To
1	5.0287	5.0887
2	5.1913	5.2513
3	5.5710	5.6310
4	5.7573	5.8173
5	6.1785	6.2385

Peak	Correlation Coefficient (r)
1	0.999915636
2	0.99777029
3	0.999890888
4	0.99993799
5	0.999128405

Peak	Slope (y)
1	0.186334645
2	0.180272726
3	0.1097659
4	0.137621182
5	0.112275523

Peak	Intercept (b)
1	12.44642635
2	-12.09119839
3	21.26104952
4	14.88497466
5	5.810303883

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	121.0674515	3.47349
		2	251.3697815	3.79391
		3	263.068573	4.1812401
		4	195.8108978	4.2961798
		5	160.0380554	4.6985602
	100	1	217.4214935	3.47403
		2	437.2928162	3.79476
		3	485.585144	4.1816101
		4	360.8550415	4.2965102
		5	295.4402771	4.69875
	200	1	459.3583984	3.47331
		2	925.944458	3.7941699
		3	1129.475098	4.18115
		4	785.0092773	4.2961998
		5	634.2442017	4.6986198
	500	1	1173.999146	3.4734199
		2	2337.430176	3.7948301
		3	3116.475342	4.1812501
		4	2094.157959	4.29603
		5	1677.998413	4.6981301
	1000	1	2033.769165	3.47434
		2	4170.358398	3.7955101
		3	5876.343262	4.1814098
		4	4022.451172	4.2962298
		5	3104.989746	4.6984301
	2000	1	4519.233398	3.4735301
		2	9469.867188	3.79459
		3	14670.11328	4.1814399
		4	8460.355469	4.2961302
		5	6825.107422	4.6985202

Peak	RT Window From	RT Window To
1	3.4437	3.5037
2	3.7646	3.8246
3	4.1513	4.2113
4	4.2662	4.3262
5	4.6685	4.7285

Peak	Correlation Coefficient (r)
1	0.998355568
2	0.997966813
3	0.995224524
4	0.999664696
5	0.99891501

Peak	Slope (y)
1	0.448394325
2	0.213628789
3	0.135993496
4	0.236777332
5	0.294674522

Peak	Intercept (b)
1	2.917677126
2	13.63103358
3	61.09697749
4	11.80448894
5	16.37941922

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	317.7681885	5.7591901
		2	382.4143982	5.9278698
		3	472.3563538	6.20647
		4	666.4926147	6.69345
		5	445.2432251	6.9662399
	100	1	561.5331421	5.75875
		2	743.8937378	5.9271998
		3	927.6226196	6.2058802
		4	1324.988892	6.6930399
		5	870.4468384	6.9654398
	200	1	1251.001831	5.7593498
		2	1690.699341	5.9280801
		3	2103.305664	6.20682
		4	3117.929688	6.6939502
		5	2021.848267	6.9668102
	500	1	3357.37085	5.7589998
		2	4654.072754	5.9275799
		3	5743.004883	6.2065001
		4	8792.444336	6.6933098
		5	5652.148438	6.96594
	1000	1	6291.233887	5.7596598
		2	9044.022461	5.9281502
		3	10616.62402	6.2068701
		4	17067.61328	6.6947699
		5	11121.81738	6.9676399
	2000	1	13629.30078	5.7596002
		2	19083.54102	5.9280601
		3	24213.02539	6.2066202
		4	36985.36719	6.6940398
		5	23803.99414	6.9664102

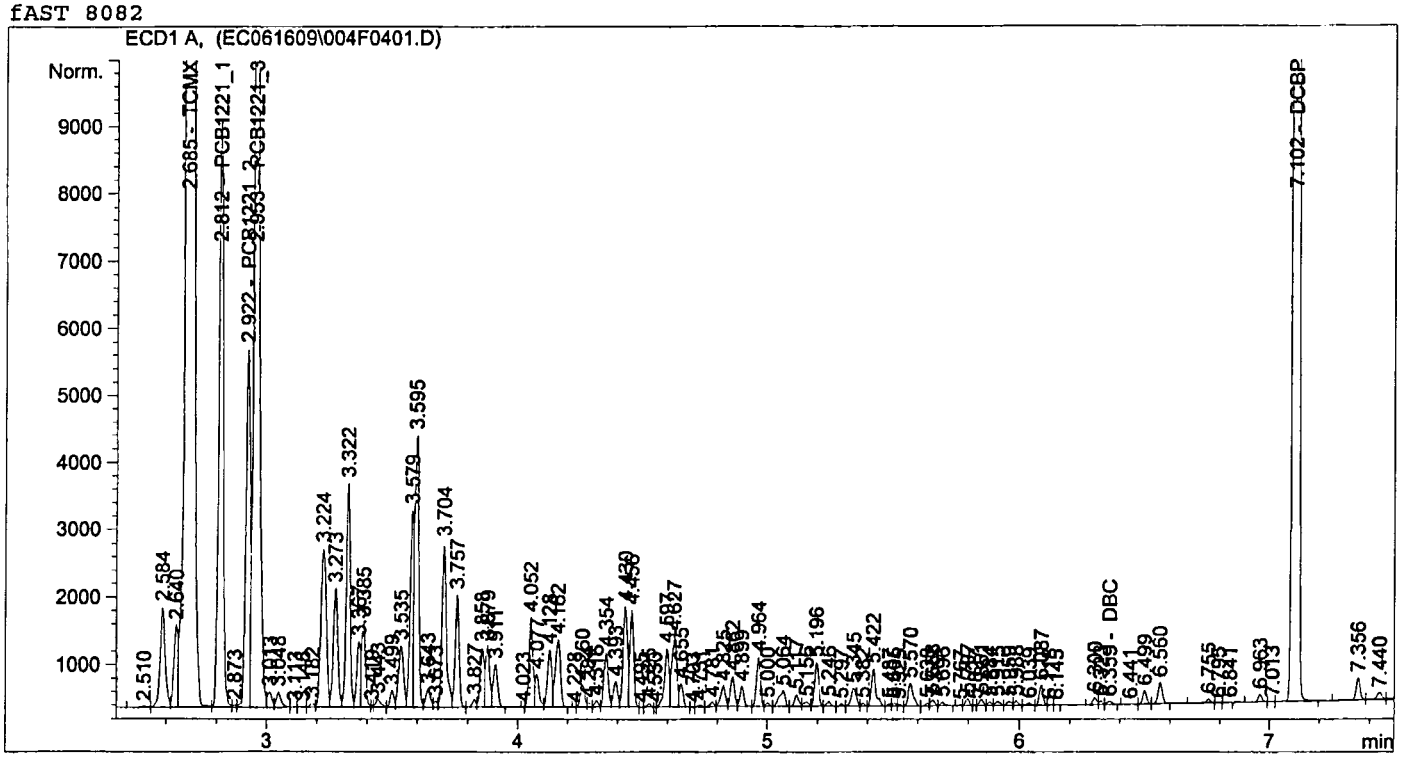
Peak	RT Window From	RT Window To
1	5.7293	5.7893
2	5.8978	5.9578
3	6.1765	6.2365
4	6.6638	6.7238
5	6.9364	6.9964

Peak	Correlation Coefficient (r)
1	0.999213429
2	0.999670366
3	0.99816869
4	0.999340639
5	0.999516287

Peak	Slope (y)
1	0.147230058
2	0.104555885
3	0.082761897
4	0.053867902
5	0.083666593

Peak	Intercept (b)
1	16.52465945
2	19.65871446
3	32.03194905
4	29.90259793
5	27.62331452

```
==================================================================
Injection Date  : 6/16/2009 2:53:36 PM          Seq. Line :   4
Sample Name     : A1221 x2000 ICAL               Location : Vial 4
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.25626e5	1.61557e-3	202.95710		TCMX
2.812	VV	1.07929e4	1.86633e-1	2014.31070		PCB1221_1
2.922	VV	5933.97168	3.38141e-1	2006.51791		PCB1221_2
2.953	VV	2.57054e4	7.81370e-2	2008.54689		PCB1221_3
6.359	VBA	68.02941	0.00000	0.00000		DBC
7.102	VB	1.02589e5	1.98494e-3	203.63239		DCBP

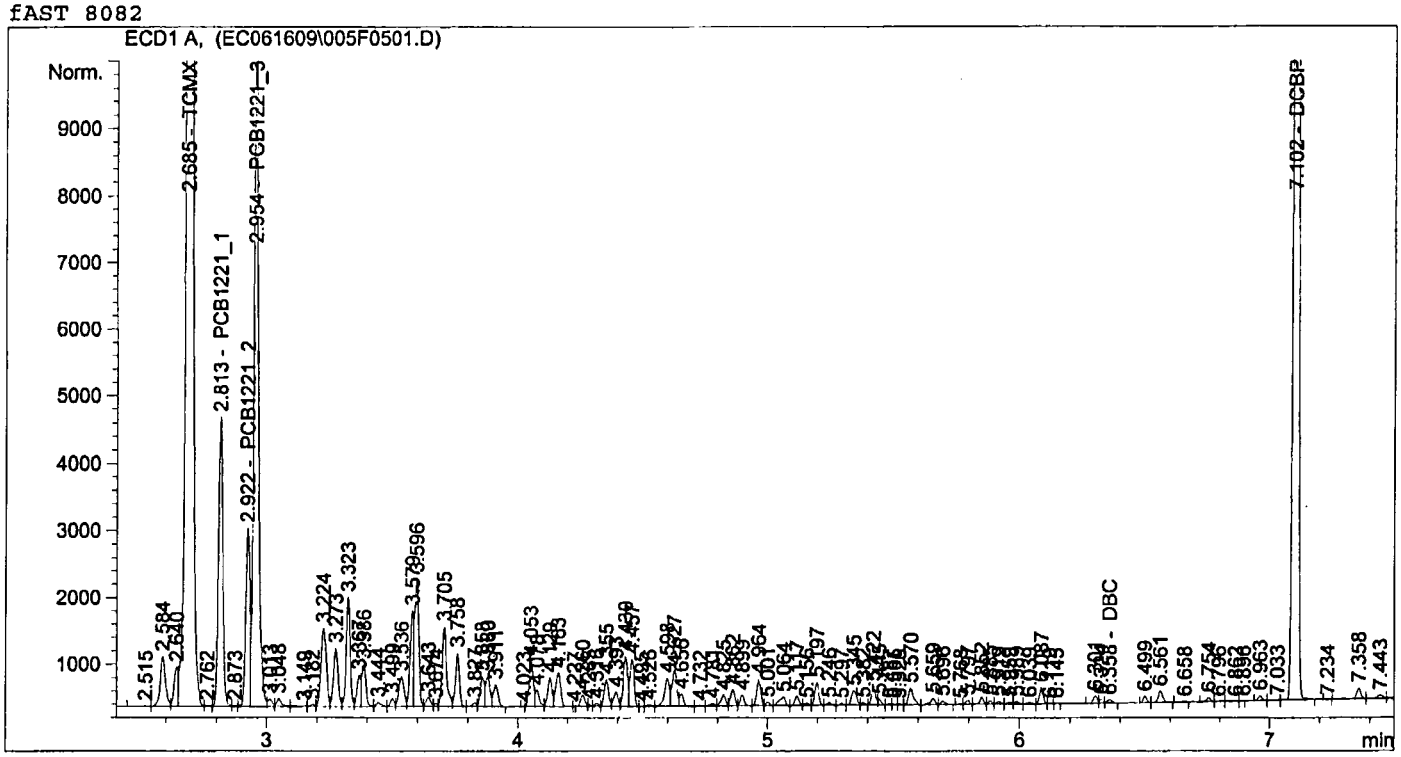
BWS
6.17.09

Totals : 6435.96498

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:06:27 PM          Seq. Line :   5
Sample Name     : A1221 x1000 ICAL               Location : Vial 5
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

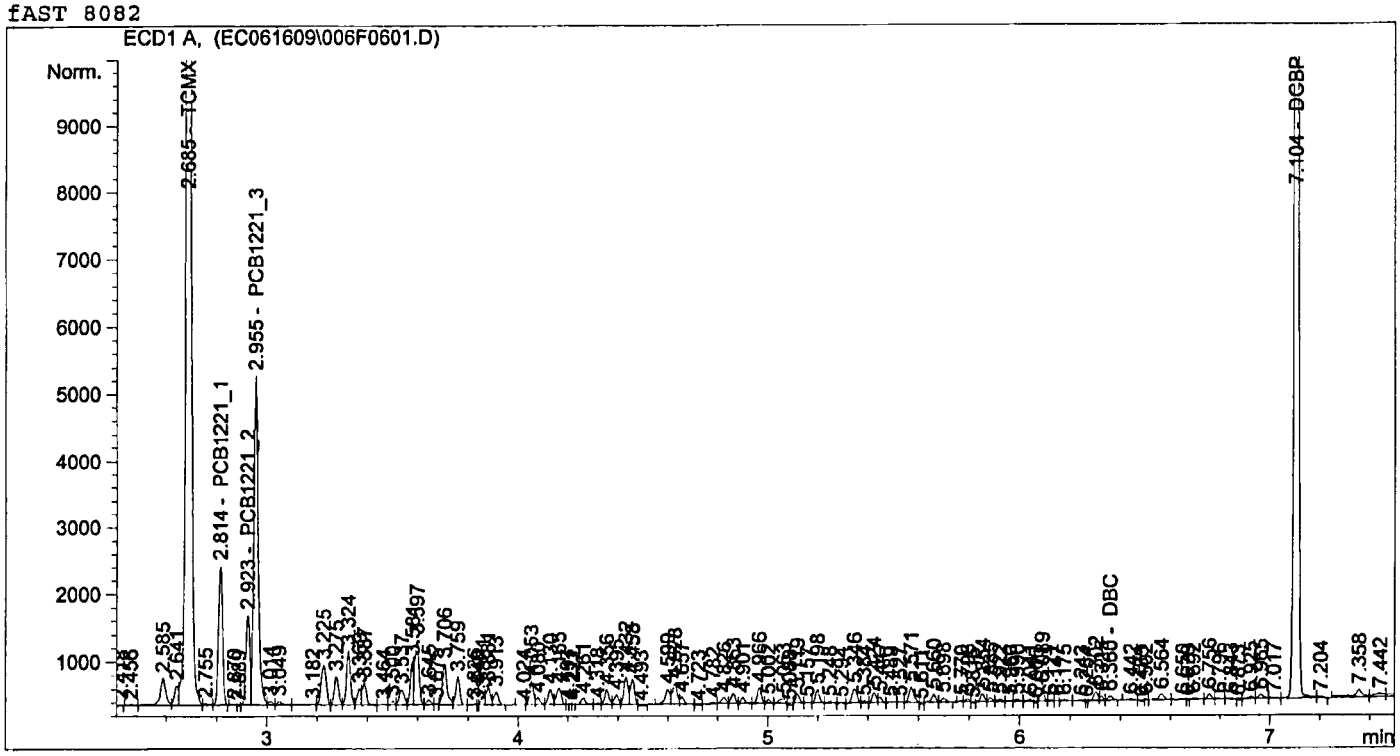
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85362e4	1.65228e-3	96.71822		TCMX
2.813	VV	5249.20459	1.88342e-1	988.64594		PCB1221_1
2.922	VV	2938.13745	3.37599e-1	991.91367		PCB1221_2
2.954	VV	1.26954e4	7.83377e-2	994.52957		PCB1221_3
6.358	VV	69.65521	0.00000	0.00000		DBC
7.102	VB	4.64764e4	2.03257e-3	94.46667		DCBP
Totals :				3166.27407		

JWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:19:26 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

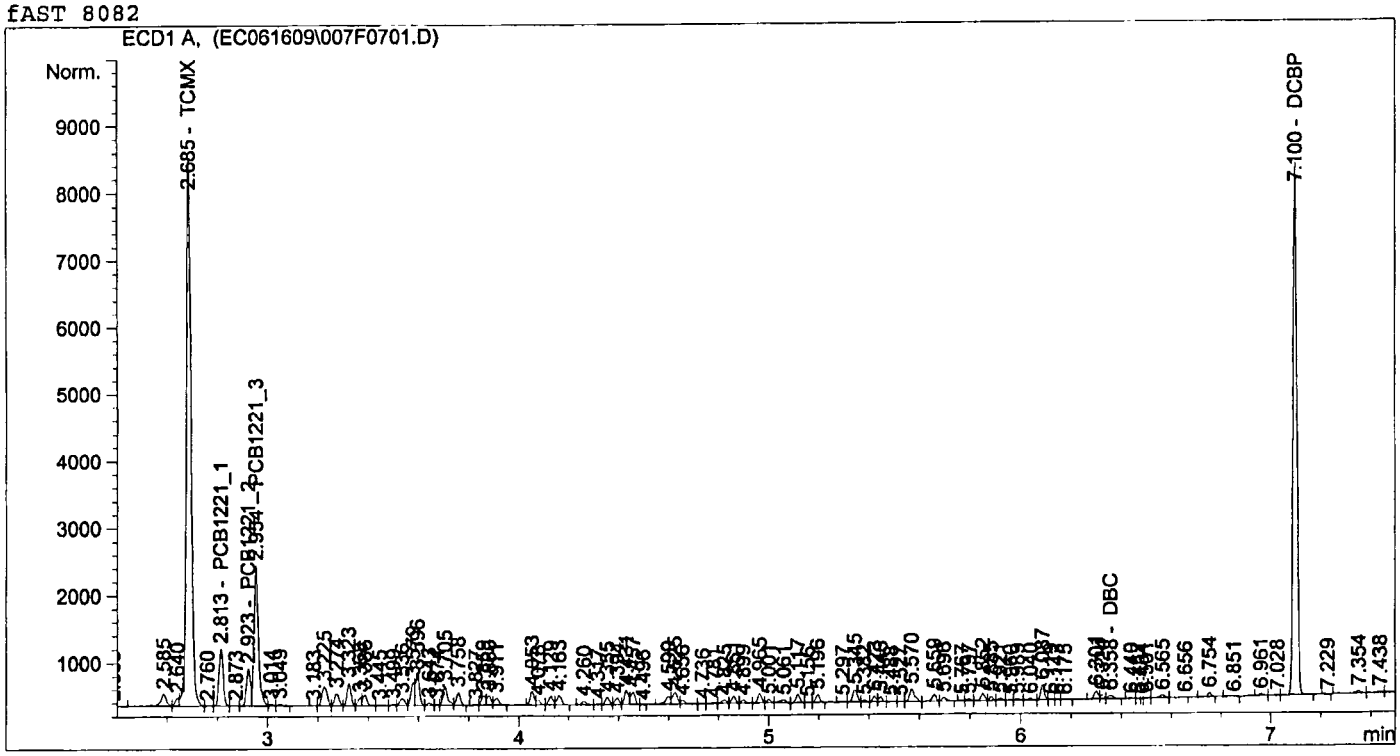
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2.50498e4	1.74417e-3	43.69111		TCMX
2.814	VP	2391.79468	1.92317e-1	459.98381		PCB1221_1
2.923	PV	1448.61218	3.36497e-1	487.45363		PCB1221_2
2.955	VV	5996.15771	7.87807e-2	472.38121		PCB1221_3
6.360	VBA	82.02856	0.00000	0.00000		DBC
7.104	VB	2.14117e4	2.13452e-3	45.70364		DCBP
Totals :				1509.21340		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:32:12 PM          Seq. Line :   7
Sample Name     : A1221 x200 ICAL                Location : Vial 7
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.06479e4	1.96144e-3	20.88517		TCMX
2.813	VV	1008.54004	2.02334e-1	204.06171		PCB1221_1
2.923	VV	614.29877	3.33543e-1	204.89530		PCB1221_2
2.954	VV	2581.18628	7.98913e-2	206.21421		PCB1221_3
6.358	VBA	75.88888	0.00000	0.00000		DBC
7.100	VB	8395.22266	2.42761e-3	20.38030		DCBP

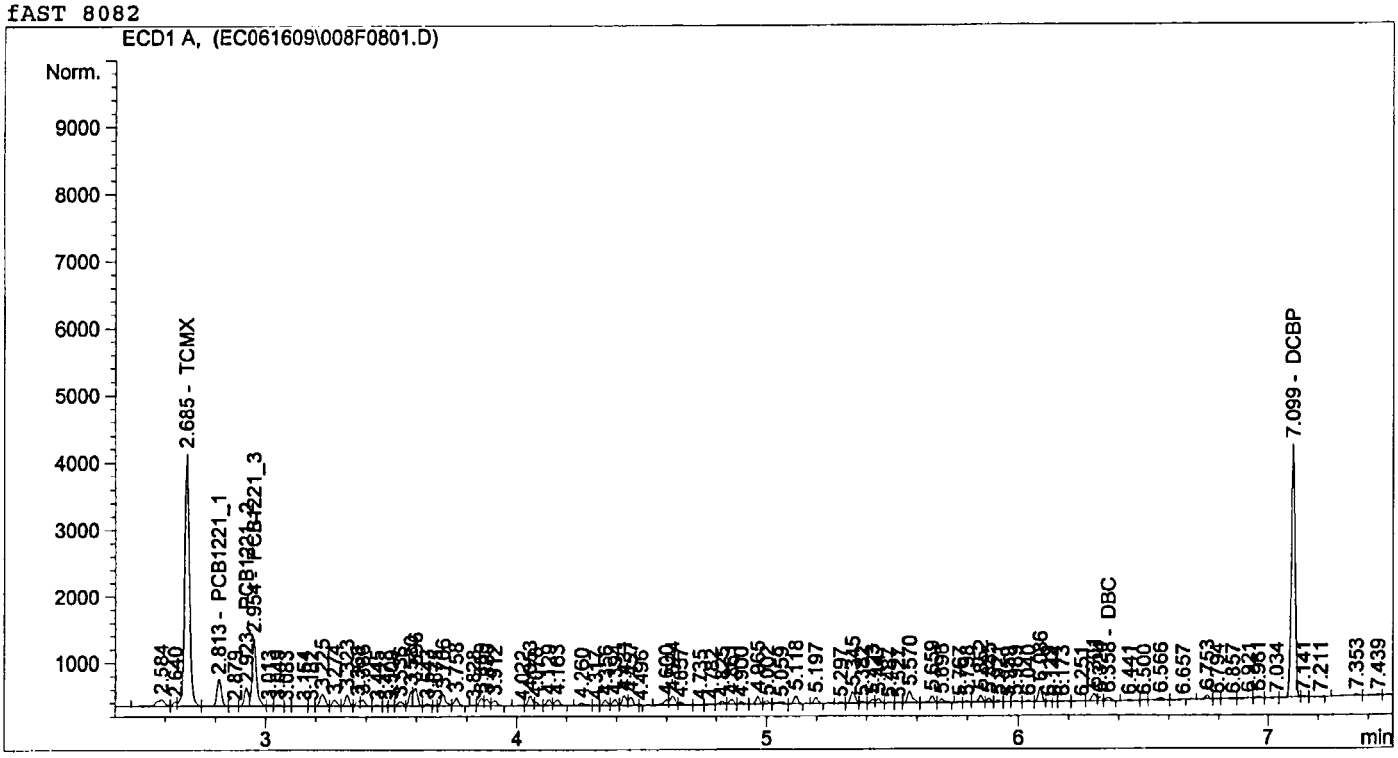
BWS
6.17.09

Totals : 656.43668

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

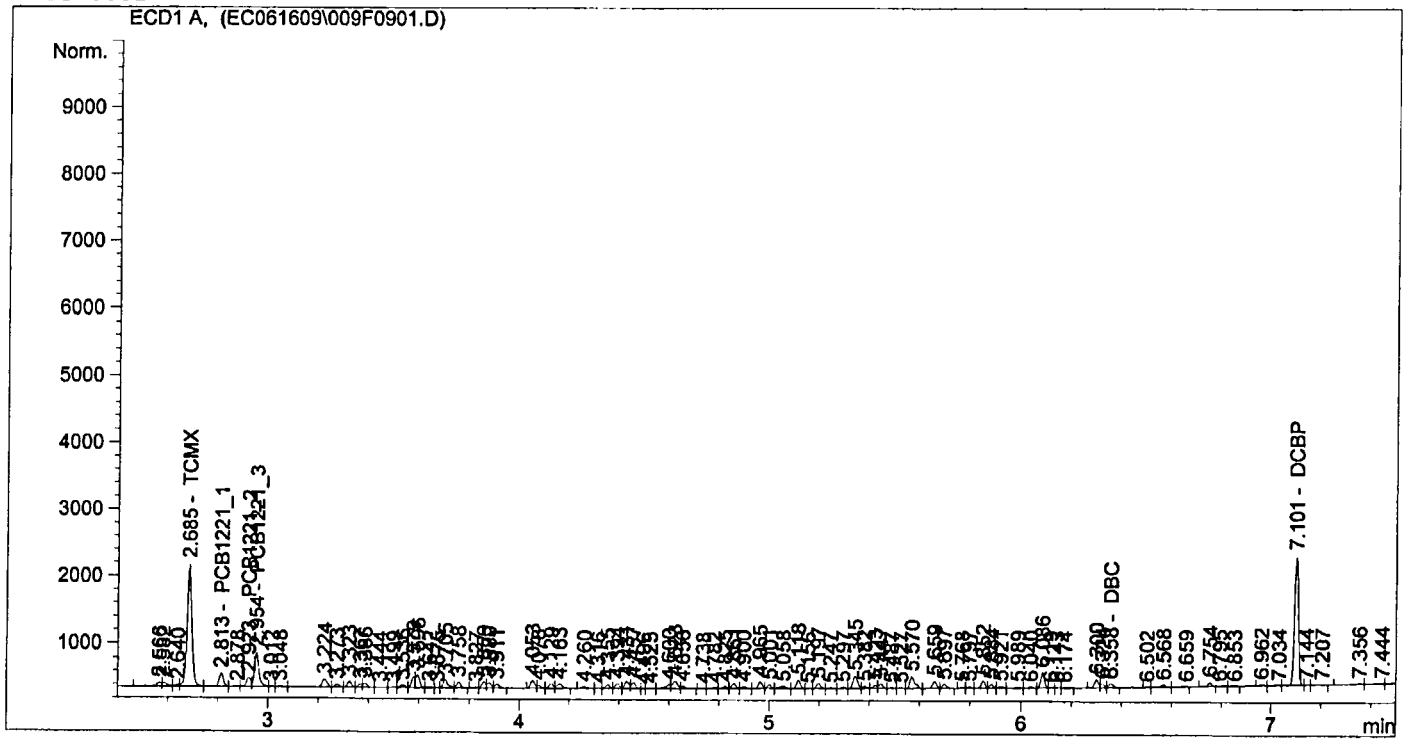
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	4984.73535	2.39078e-3	11.91740		TCMX
2.813	VB	500.90417	2.19886e-1	110.14174		PCB1221_1
2.923	VV	303.38547	3.28288e-1	99.59777		PCB1221_2
2.954	VV	1263.36267	8.19254e-2	103.50145		PCB1221_3
6.358	VBA	71.24101	0.00000	0.00000		DBC
7.099	VV	3984.79590	2.96122e-3	11.79987		DCBP
Totals :				336.95822		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   9
Sample Name     : A1221 x40 ICAL                 Location : Vial 9
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2404.18335	3.25724e-3	7.83100		TCMX
2.813	VV	245.32616	2.56214e-1	62.85611		PCB1221_1
2.923	VV	155.82063	3.18454e-1	49.62173		PCB1221_2
2.954	VV	638.85638	8.58200e-2	54.82667		PCB1221_3
6.358	VBA	75.09637	0.00000	0.00000		DBC
7.101	VV	2040.43359	3.92913e-3	8.01714		DCBP

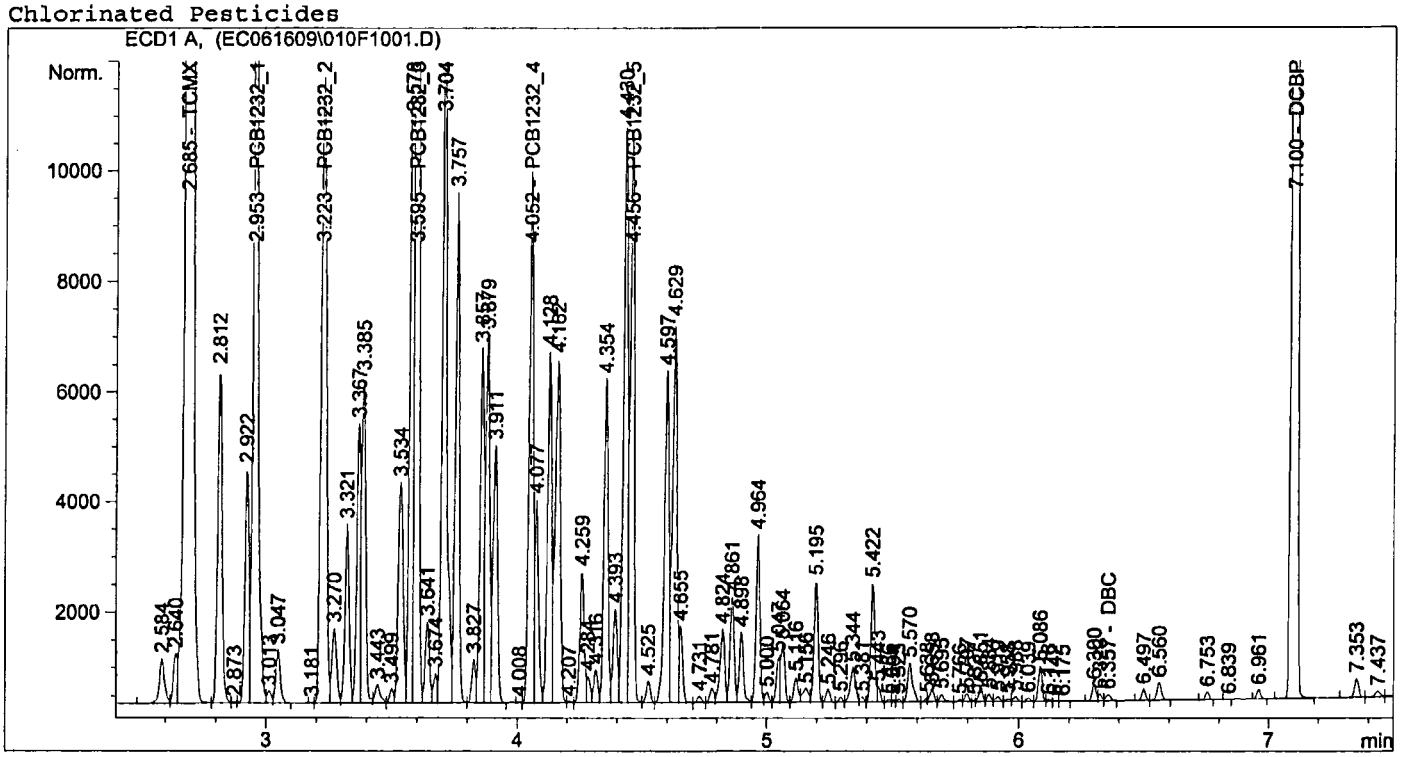
BWS
6.17.09

Totals : 183.15265

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 4:10:49 PM          Seq. Line :  10
Sample Name     : A1232 x2000 ICAL               Location : Vial 10
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

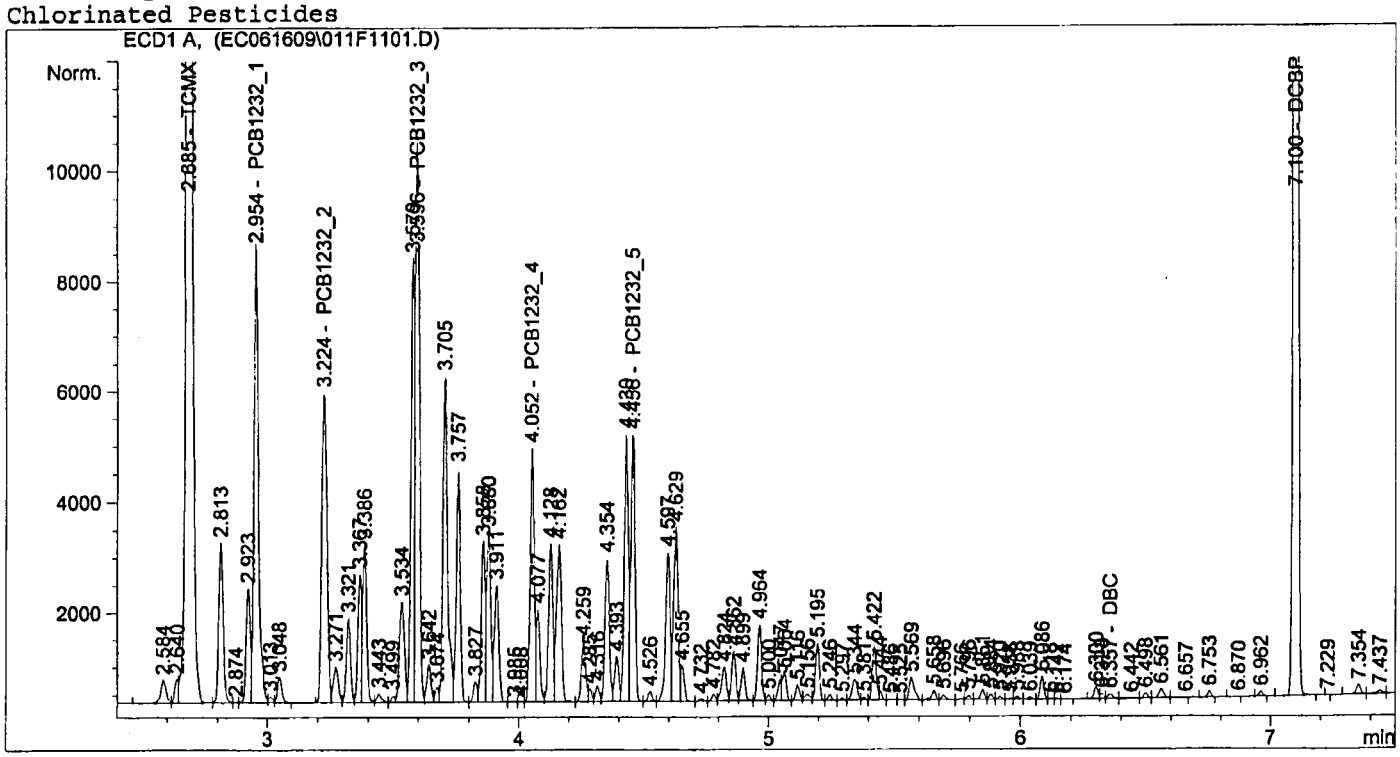
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.28585e5	1.57867e-3	202.99266		TCMX
2.953	VV	2.19295e4	9.15378e-2	2007.37971		PCB1232_1
3.223	VV	1.67455e4	1.20052e-1	2010.33401		PCB1232_2
3.595	VV	2.48887e4	8.13899e-2	2025.68521		PCB1232_3
4.052	VV	1.13965e4	1.77729e-1	2025.48786		PCB1232_4
4.456	VV	1.19353e4	1.69886e-1	2027.63778		PCB1232_5
6.357	VV	154.62846	1.31176	202.83508		DBC
7.100	PB	1.04339e5	1.95163e-3	203.63069		DCBP

Totals : 1.07060e4

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                    *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 4:23:47 PM          Seq. Line :  11
Sample Name     : A1232 x1000 ICAL               Location : Vial 11
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85306e4	1.62639e-3	95.19388		TCMX
2.954	VV	1.06422e4	9.22723e-2	981.98283		PCB1232_1
3.224	VV	8107.24463	1.21205e-1	982.63823		PCB1232_2
3.596	VV	1.14238e4	8.29473e-2	947.57043		PCB1232_3
4.052	VV	5312.27930	1.80420e-1	958.44117		PCB1232_4
4.456	VV	5470.34326	1.73471e-1	948.94532		PCB1232_5
6.357	VV	105.82750	8.70158e-1	92.08665		DBC
7.100	BB	4.64543e4	2.01128e-3	93.43272		DCBP

Totals : 5100.29123

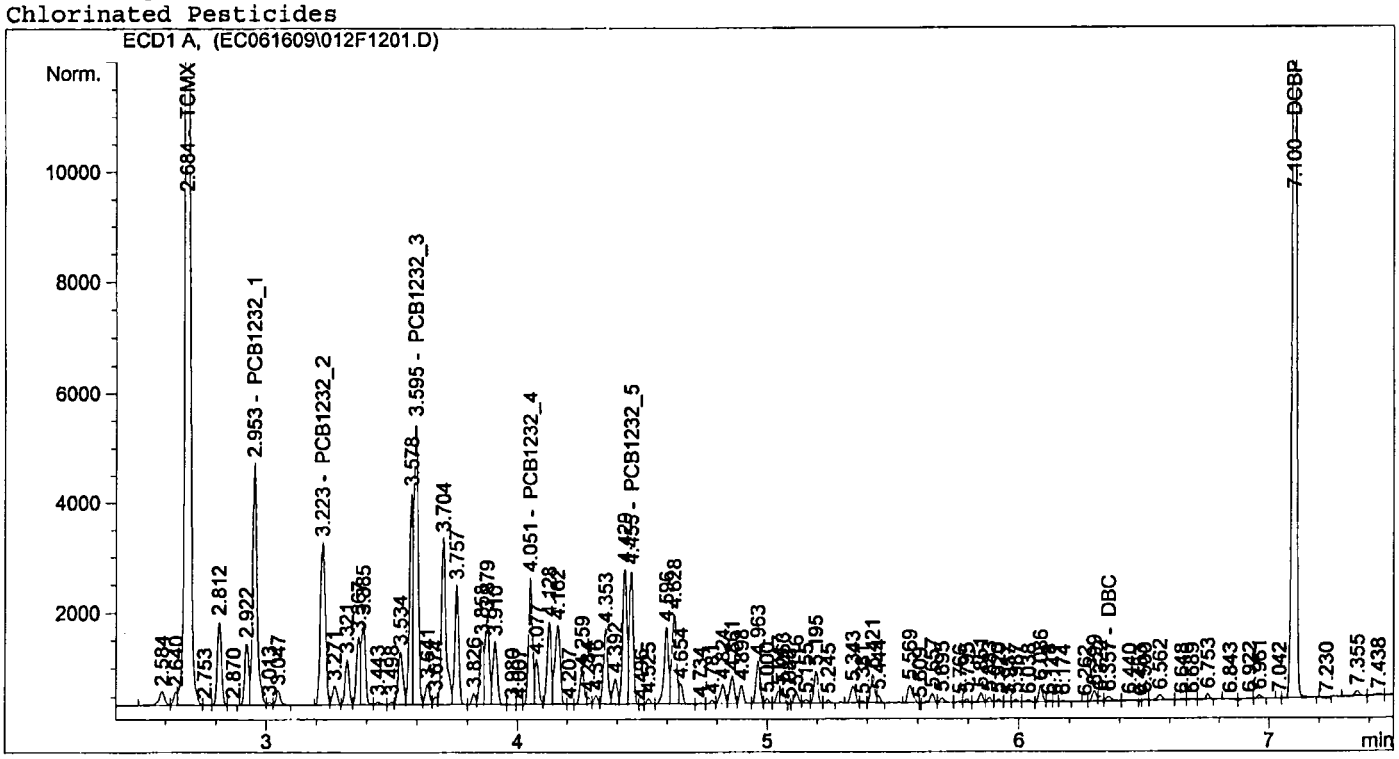
BWS
6.17.09

Results obtained with enhanced integrator!

==

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 4:36:37 PM          Seq. Line :  12
Sample Name     : A1232 x500 ICAL                Location : Vial 12
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                     External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:49:16 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2.74659e4	1.72547e-3	47.39165		TCMX
2.953	VV	5459.36719	9.36271e-2	511.14479		PCB1232_1
3.223	VV	4011.20239	1.23487e-1	495.33154		PCB1232_2
3.595	VV	5890.49268	8.56516e-2	504.53041		PCB1232_3
4.051	VV	2581.75781	1.85751e-1	479.56532		PCB1232_4
4.455	VP	2731.88257	1.80105e-1	492.02517		PCB1232_5
6.357	VB	88.85879	6.02957e-1	53.57802		DBC
7.100	PB	2.28398e4	2.12244e-3	48.47617		DCBP

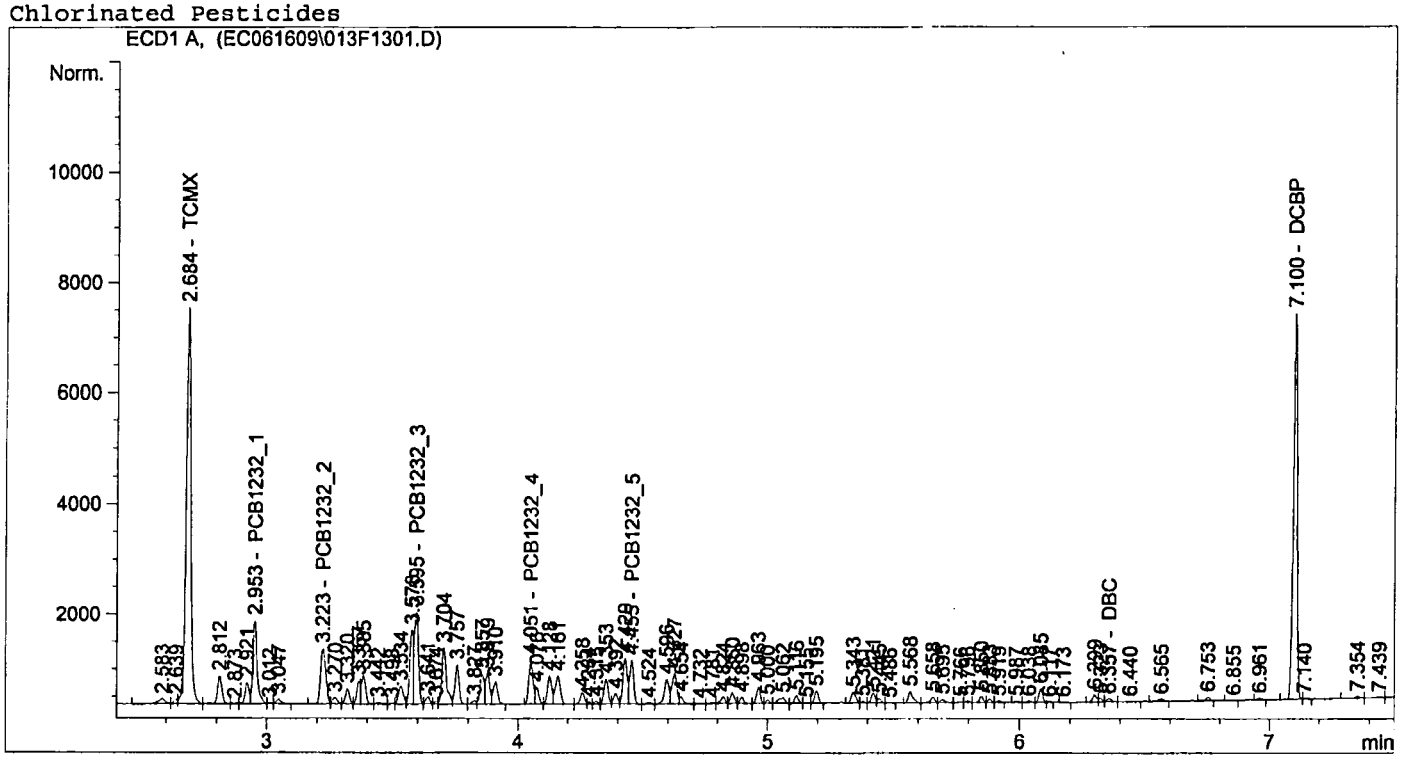
BWS
6.17.09

Totals : 2632.04306

Results obtained with enhanced integrator!

```
==================================================================
                    *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 4:49:25 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	9296.84180	2.09031e-3	19.43330		TCMX
2.953	VV	1918.33850	9.87621e-2	189.45923		PCB1232_1
3.223	VV	1475.92578	1.31246e-1	193.70935		PCB1232_2
3.595	VV	1920.76770	9.71906e-2	186.68064		PCB1232_3
4.051	PV	955.56946	2.03404e-1	194.36619		PCB1232_4
4.455	VV	916.82739	2.06340e-1	189.17791		PCB1232_5
6.357	VV	74.82659	2.90451e-1	21.73349		DBC
7.100	VV	7333.77930	2.58480e-3	18.95637		DCBP

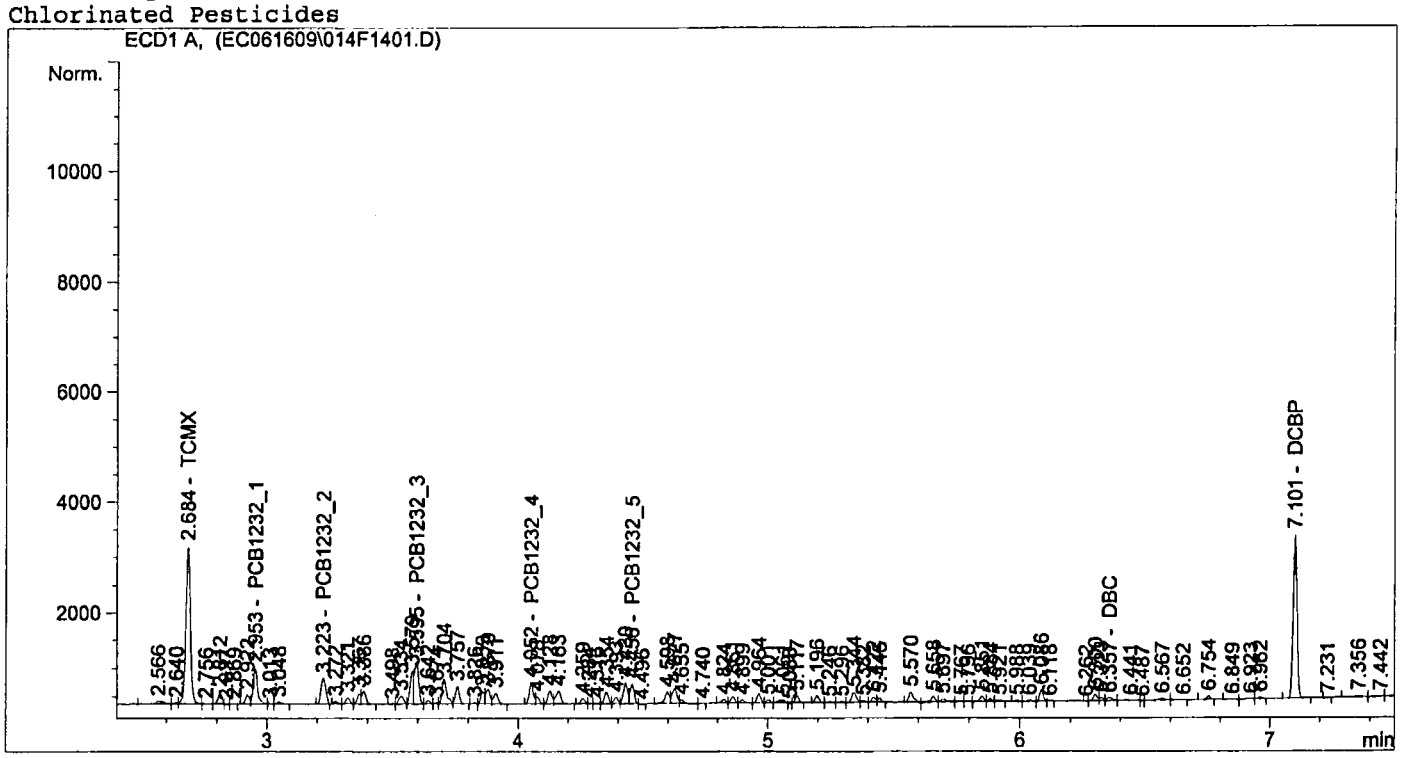
BWS
6.17.09

Totals : 1013.51648

Results obtained with enhanced integrator!

==
*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 5:02:18 PM          Seq. Line :  14
Sample Name     : A1232 x100 ICAL                Location : Vial 14
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	3586.46118	2.96844e-3	10.64621		TCMX
2.953	VV	822.08234	1.09319e-1	89.86959		PCB1232_1
3.223	BP	627.54523	1.47842e-1	92.77740		PCB1232_2
3.595	VV	845.77960	1.18953e-1	100.60800		PCB1232_3
4.052	PV	440.46237	2.36177e-1	104.02727		PCB1232_4
4.456	VP	406.56943	2.55897e-1	104.03988		PCB1232_5
6.357	VV	70.51414	1.69425e-1	11.94687		DBC
7.101	PB	3122.70605	3.50320e-3	10.93948		DCBP
Totals :				524.85470		

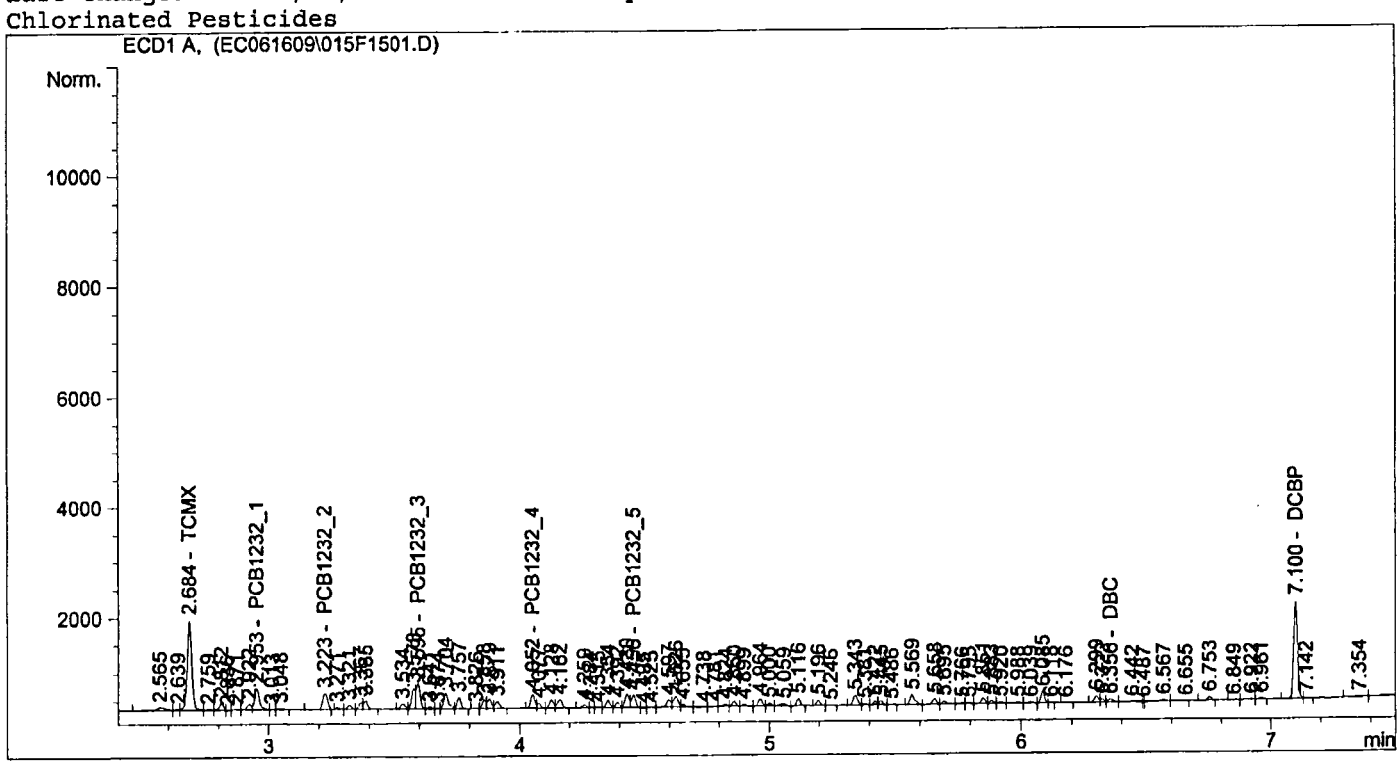
BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

==========

Injection Date : 6/16/2009 5:15:07 PM Seq. Line : 15
Sample Name : A1232 x40 ICAL Location : Vial 15
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:49:16 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2089.24365	3.99298e-3	8.34230		TCMX
2.953	VV	495.08936	1.21521e-1	60.16384		PCB1232_1
3.223	BP	395.82391	1.64744e-1	65.20948		PCB1232_2
3.595	VV	525.02045	1.42709e-1	74.92531		PCB1232_3
4.052	PV	292.69611	2.66871e-1	78.11219		PCB1232_4
4.456	VP	251.54694	3.10773e-1	78.17393		PCB1232_5
6.356	VV	66.05173	2.75526e-2	1.81990		DBC
7.100	VV	1875.22559	4.56722e-3	8.56457		DCBP

Totals : 375.31152

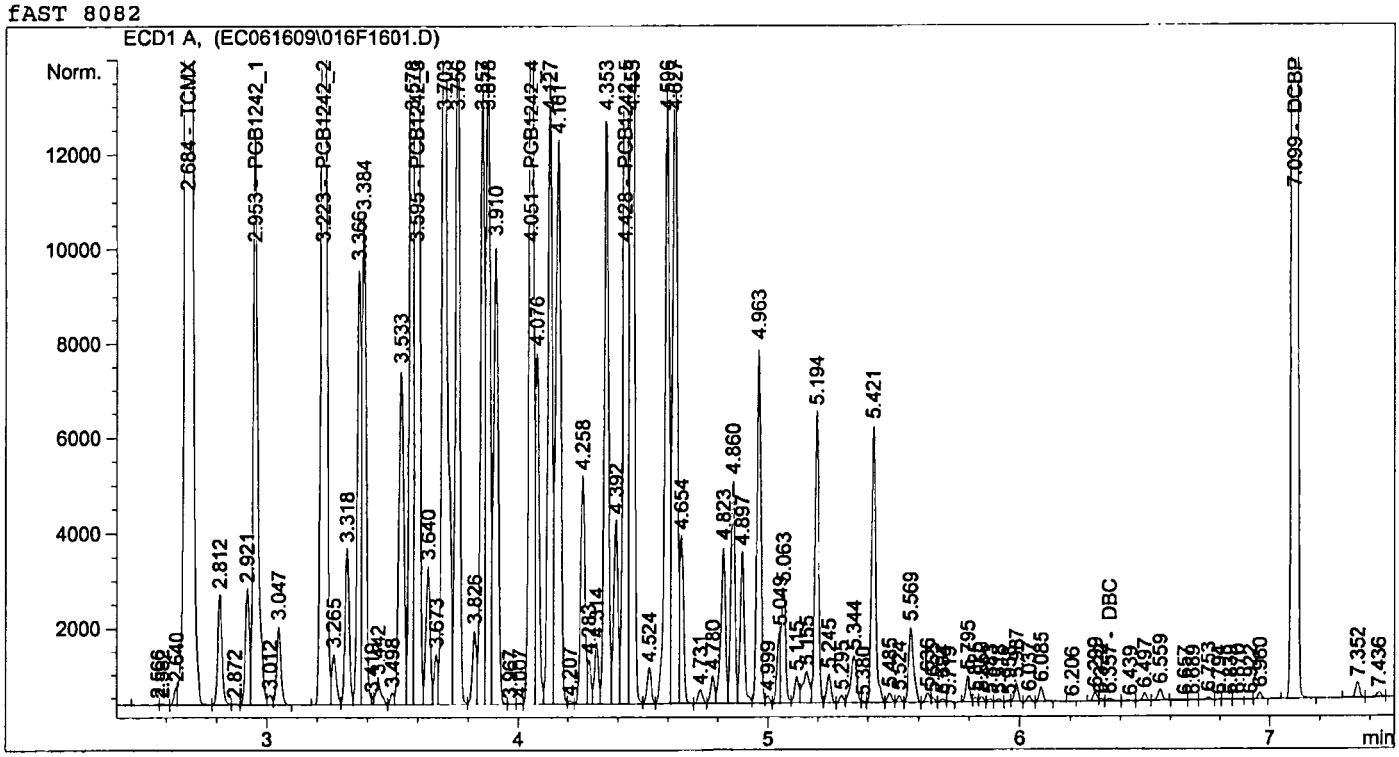
BWS
6.17.09

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  16
Sample Name     : A1242 x2000 ICAL               Location : Vial 16
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	1.24533e5	1.61574e-3	201.21328		TCMX
2.953	VV	1.58930e4	1.25320e-1	1991.70688		PCB1242_1
3.223	PV	2.95357e4	6.73104e-2	1988.06254		PCB1242_2
3.595	VV	4.49982e4	4.43743e-2	1996.76595		PCB1242_3
4.051	VV	2.33747e4	8.57256e-2	2003.81239		PCB1242_4
4.428	VV	2.53352e4	7.92151e-2	2006.93062		PCB1242_5
6.357	VV	46.07360	0.00000	0.00000		DBC
7.099	BV	1.01493e5	1.98905e-3	201.87401		DCBP

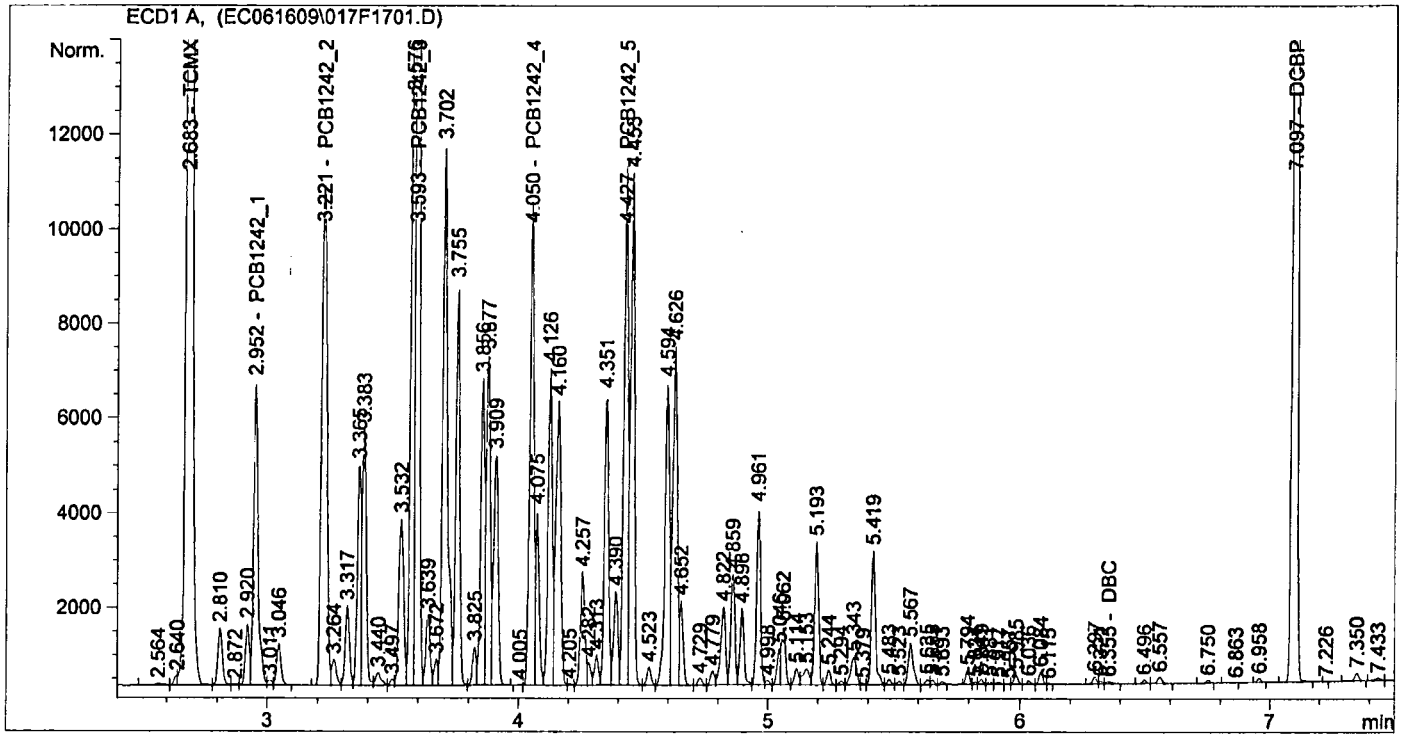
Totals : 1.03904e4

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  17
Sample Name     : A1242 x1000 ICAL               Location : Vial 17
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.683	VV	6.12233e4	1.64980e-3	101.00598		TCMX
2.952	VV	8266.91797	1.25530e-1	1037.74860		PCB1242_1
3.221	PV	1.55127e4	6.74188e-2	1045.84986		PCB1242_2
3.593	VV	2.27097e4	4.47441e-2	1016.12539		PCB1242_3
4.050	VV	1.17902e4	8.67780e-2	1023.13035		PCB1242_4
4.427	VV	1.25010e4	8.02404e-2	1003.08927		PCB1242_5
6.355	VB	69.59908	0.00000	0.00000		DBC
7.097	VB	4.86358e4	2.03100e-3	98.77927		DCBP

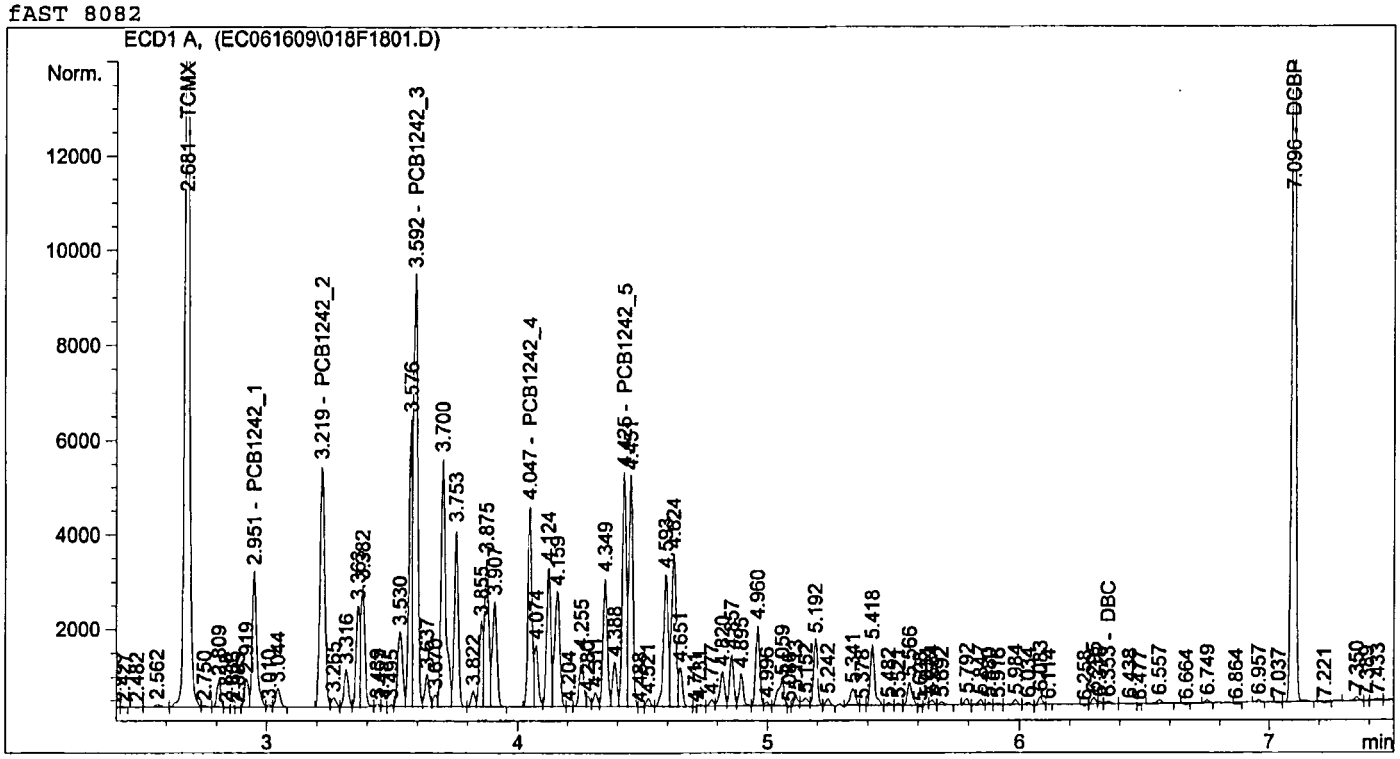
Totals : 5325.72872

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 5:53:51 PM          Seq. Line :  18
Sample Name     : A1242 x500 ICAL                Location : Vial 18
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	2.43234e4	1.75143e-3	42.60065		TCMX
2.951	VV	3628.71558	1.26091e-1	457.54749		PCB1242_1
3.219	PV	6743.10840	6.77157e-2	456.61398		PCB1242_2
3.592	VV	1.06319e4	4.55920e-2	484.72847		PCB1242_3
4.047	PV	4836.10059	8.98314e-2	434.43365		PCB1242_4
4.425	VV	5635.85596	8.27059e-2	466.11862		PCB1242_5
6.353	VV	69.22704	0.00000	0.00000		DBC
7.096	PB	2.08276e4	2.13856e-3	44.54098		DCBP

Totals : 2386.58383

BWS
6.17.09

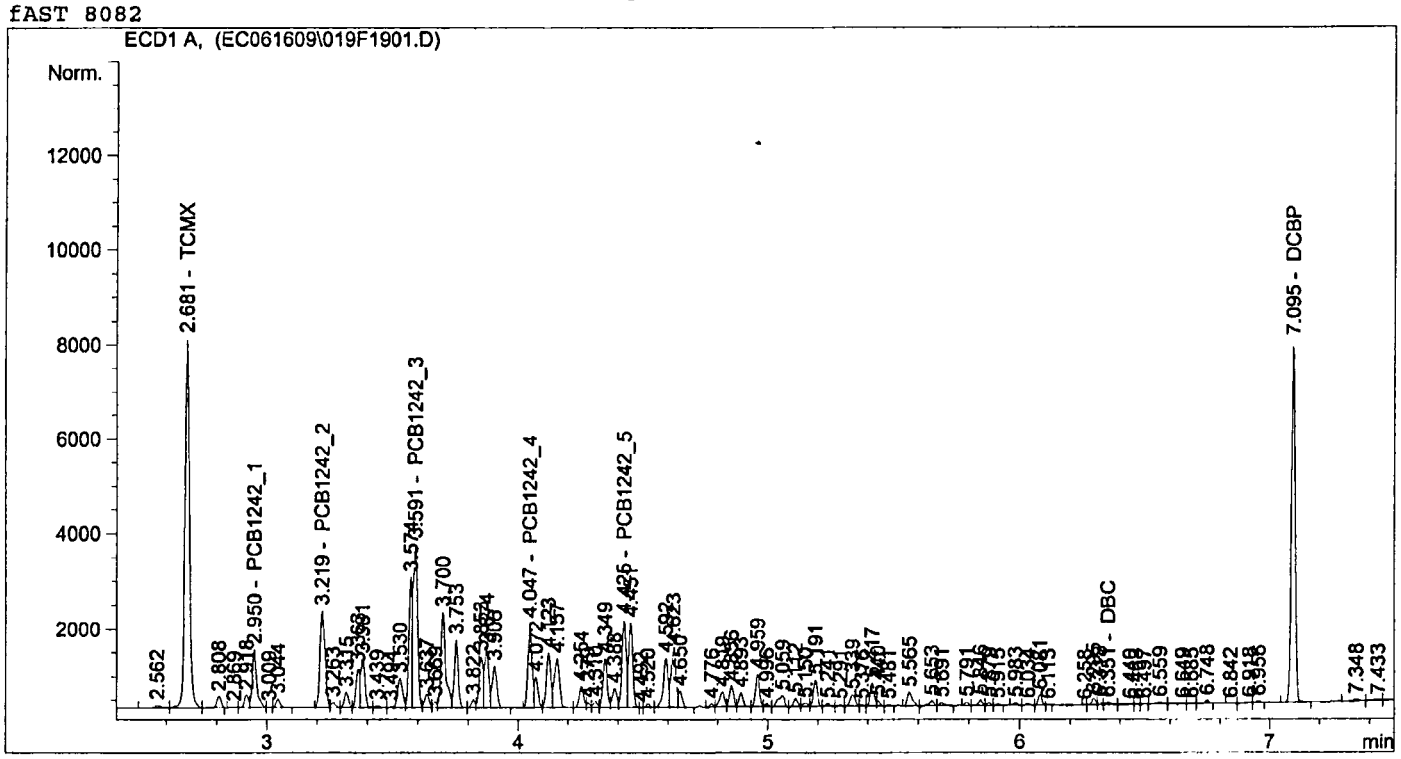
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 6:06:49 PM Seq. Line : 19
Sample Name : A1242 x200 ICAL Location : Vial 19
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed : 6/17/2009 10:55:31 AM by BWS
fAST 8082



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	9864.52441	1.99859e-3	19.71514		TCMX
2.950	VV	1538.38574	1.27448e-1	196.06436		PCB1242_1
3.219	BV	2850.61401	6.84328e-2	195.07536		PCB1242_2
3.591	VV	3870.94604	4.83767e-2	187.26378		PCB1242_3
4.047	PV	2049.92676	9.68676e-2	198.57148		PCB1242_4
4.425	VV	2122.51245	9.01373e-2	191.31744		PCB1242_5
6.351	VV	44.81857	0.00000	0.00000		DBC
7.095	PB	7972.79297	2.44186e-3	19.46847		DCBP

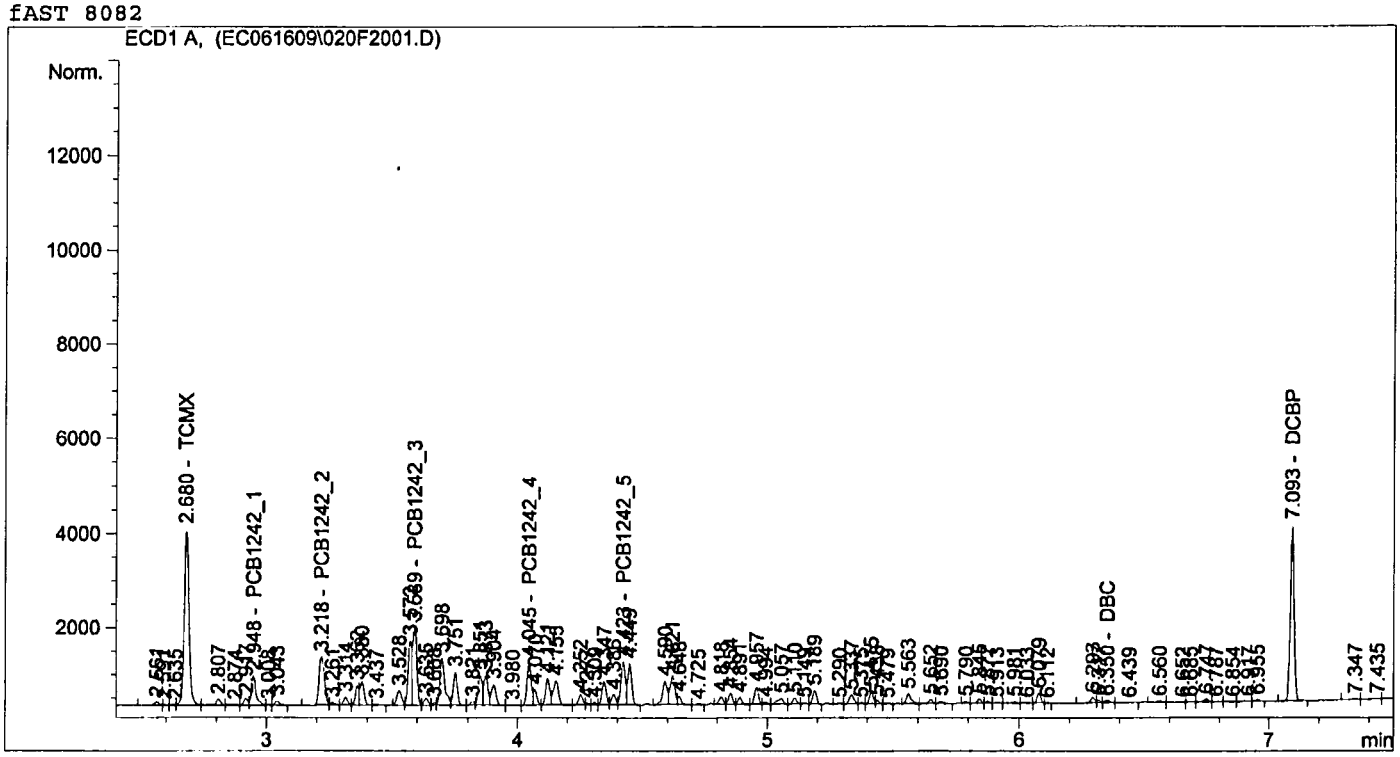
Totals : 1007.47603

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:19:35 PM          Seq. Line :  20
Sample Name     : A1242 x100 ICAL                Location : Vial 20
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	4837.55371	2.43066e-3	11.75844		TCMX
2.948	VV	793.58032	1.29660e-1	102.89531		PCB1242_1
3.218	BV	1467.12085	6.96042e-2	102.11777		PCB1242_2
3.589	VV	1857.66870	5.31227e-2	98.68435		PCB1242_3
4.045	VV	1025.63940	1.09065e-1	111.86094		PCB1242_4
4.423	VV	1045.56165	1.02416e-1	107.08219		PCB1242_5
6.350	VV	56.60671	0.00000	0.00000		DBC
7.093	VB	3930.30664	2.94731e-3	11.58384		DCBP

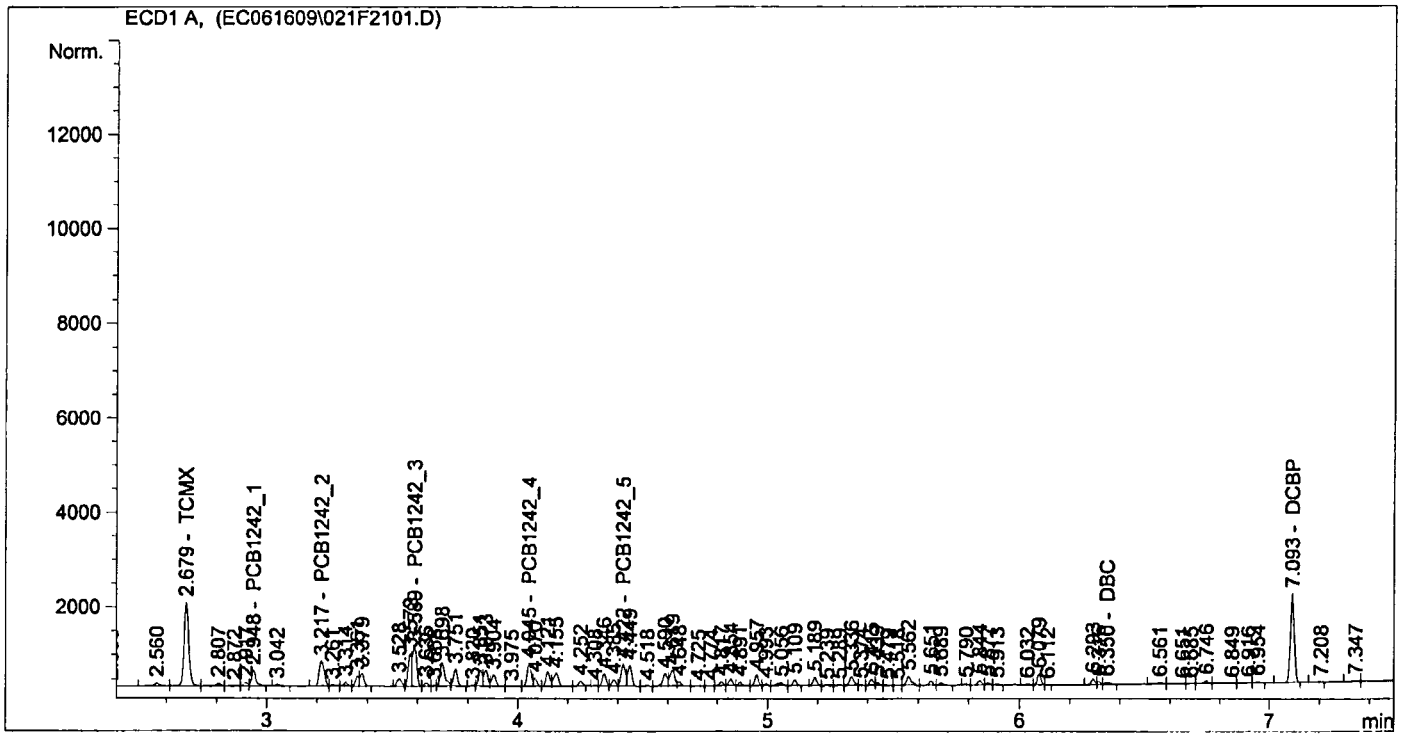
Totals : 545.98284

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:32:31 PM          Seq. Line :  21
Sample Name     : A1242 x40 ICAL                 Location : Vial 21
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2277.57568	3.38364e-3	7.70651		TCMX
2.948	VV	403.00357	1.34087e-1	54.03736		PCB1242_1
3.217	VV	725.38965	7.20723e-2	52.28049		PCB1242_2
3.589	VV	897.33759	6.28883e-2	56.43206		PCB1242_3
4.045	VV	509.78085	1.33766e-1	68.19119		PCB1242_4
4.422	VV	513.44421	1.27496e-1	65.46186		PCB1242_5
6.350	VV	56.95115	0.00000	0.00000		DBC
7.093	BV	1966.44092	3.94288e-3	7.75343		DCBP

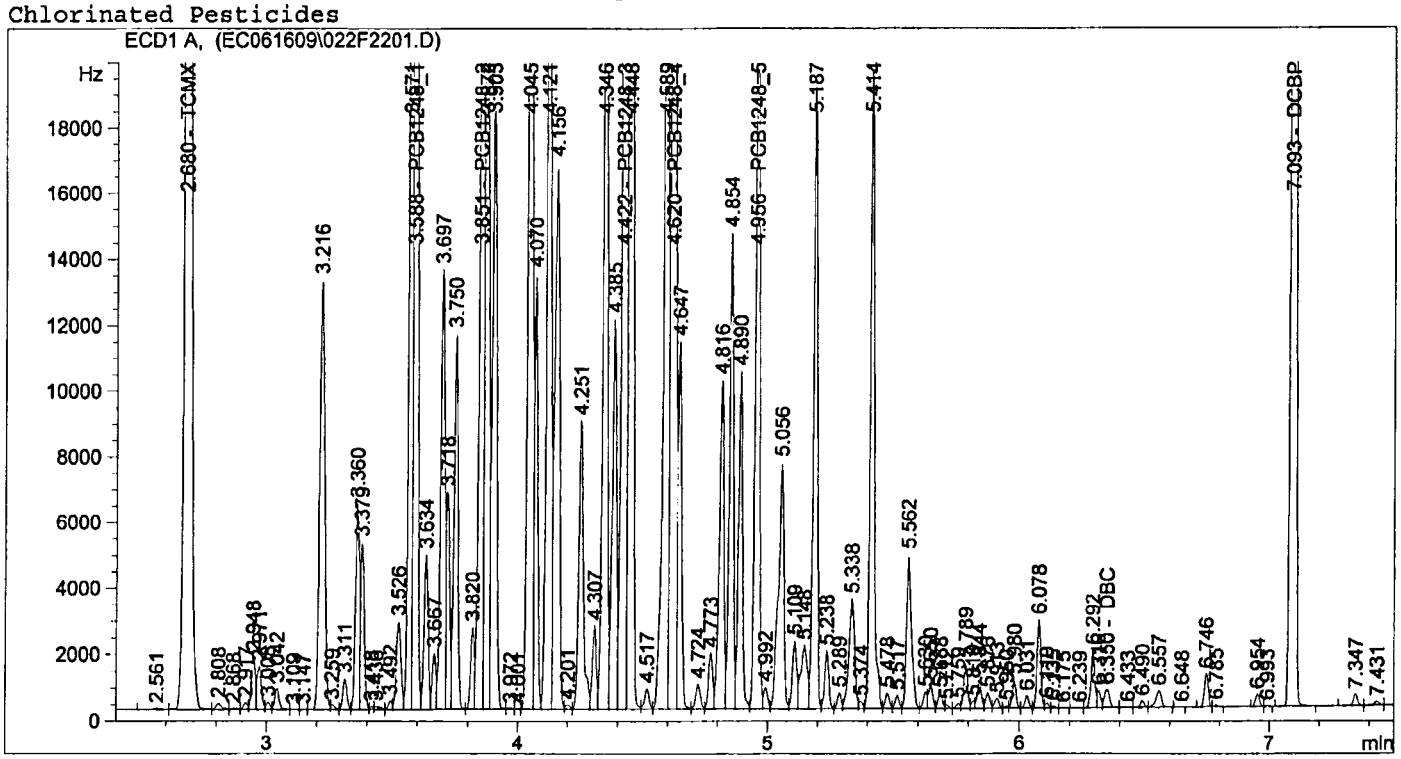
Totals : 311.86290

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:45:23 PM          Seq. Line :  22
Sample Name     : A1248 x2000 ICAL               Location : Vial 22
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

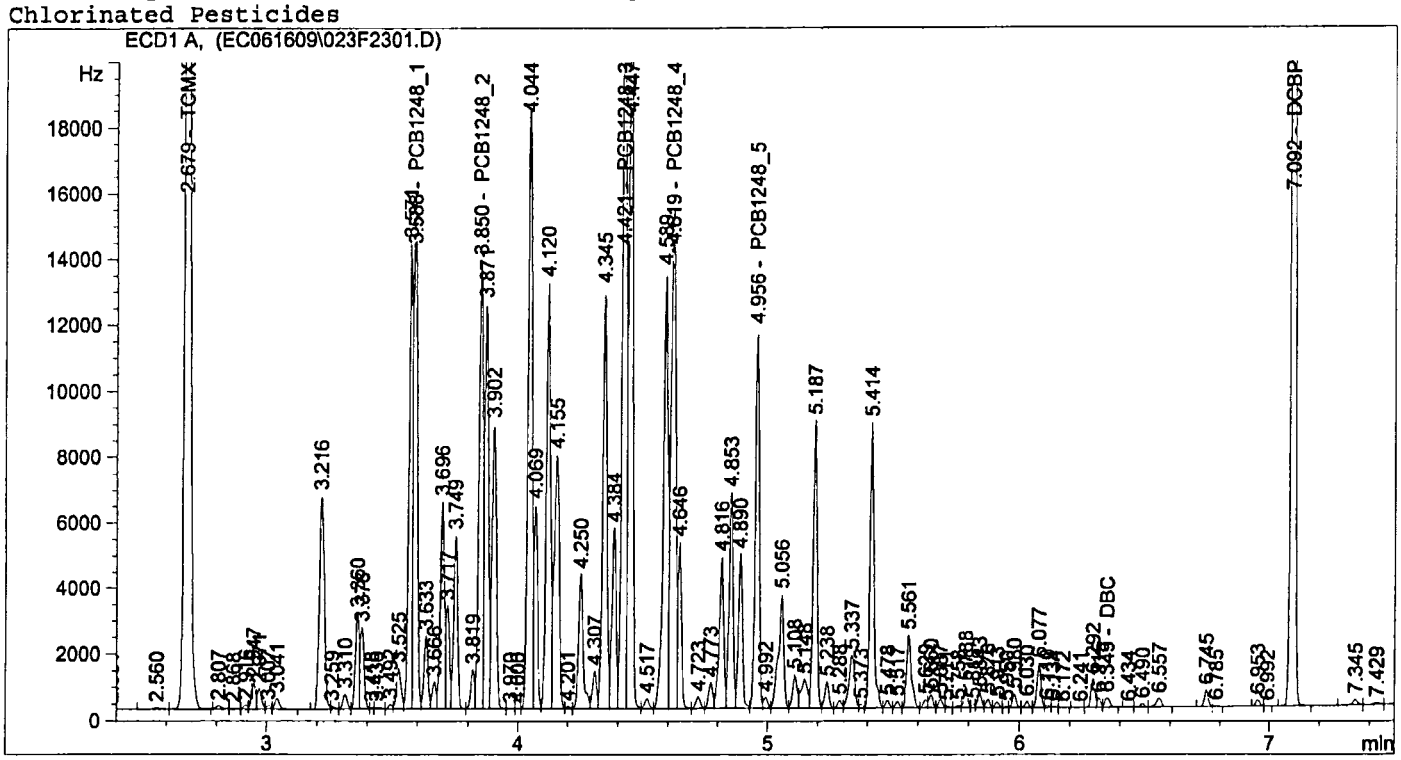
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	1.29592e5	1.56648e-3	203.00286		TCMX
3.588	VV	3.66658e4	5.51413e-2	2021.79814		PCB1248_1
3.851	VV	3.11485e4	6.45359e-2	2010.19920		PCB1248_2
4.422	VV	5.81616e4	3.48179e-2	2025.06568		PCB1248_3
4.620	VV	4.46546e4	4.53601e-2	2025.53551		PCB1248_4
4.956	VV	2.71306e4	7.47898e-2	2029.09034		PCB1248_5
6.350	VV	766.40961	2.61907e-1	200.72788		DBC
7.093	BV	1.04567e5	1.94984e-3	203.88982		DCBP
Totals :				1.07193e4		

BWS
6/17/09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 6:58:15 PM          Seq. Line :  23
Sample Name     : A1248 x1000 ICAL               Location : Vial 23
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	5.91737e4	1.61856e-3	95.77608		TCMX
3.588	VV	1.72012e4	5.64207e-2	970.50645		PCB1248_1
3.850	VV	1.50825e4	6.60115e-2	995.61554		PCB1248_2
4.421	VV	2.69915e4	3.57349e-2	964.53920		PCB1248_3
4.619	VV	2.07182e4	4.65335e-2	964.09235		PCB1248_4
4.956	VV	1.24627e4	7.68971e-2	958.34194		PCB1248_5
6.349	VB	400.58411	2.49832e-1	100.07870		DBC
7.092	VB	4.66681e4	2.01809e-3	94.18048		DCBP

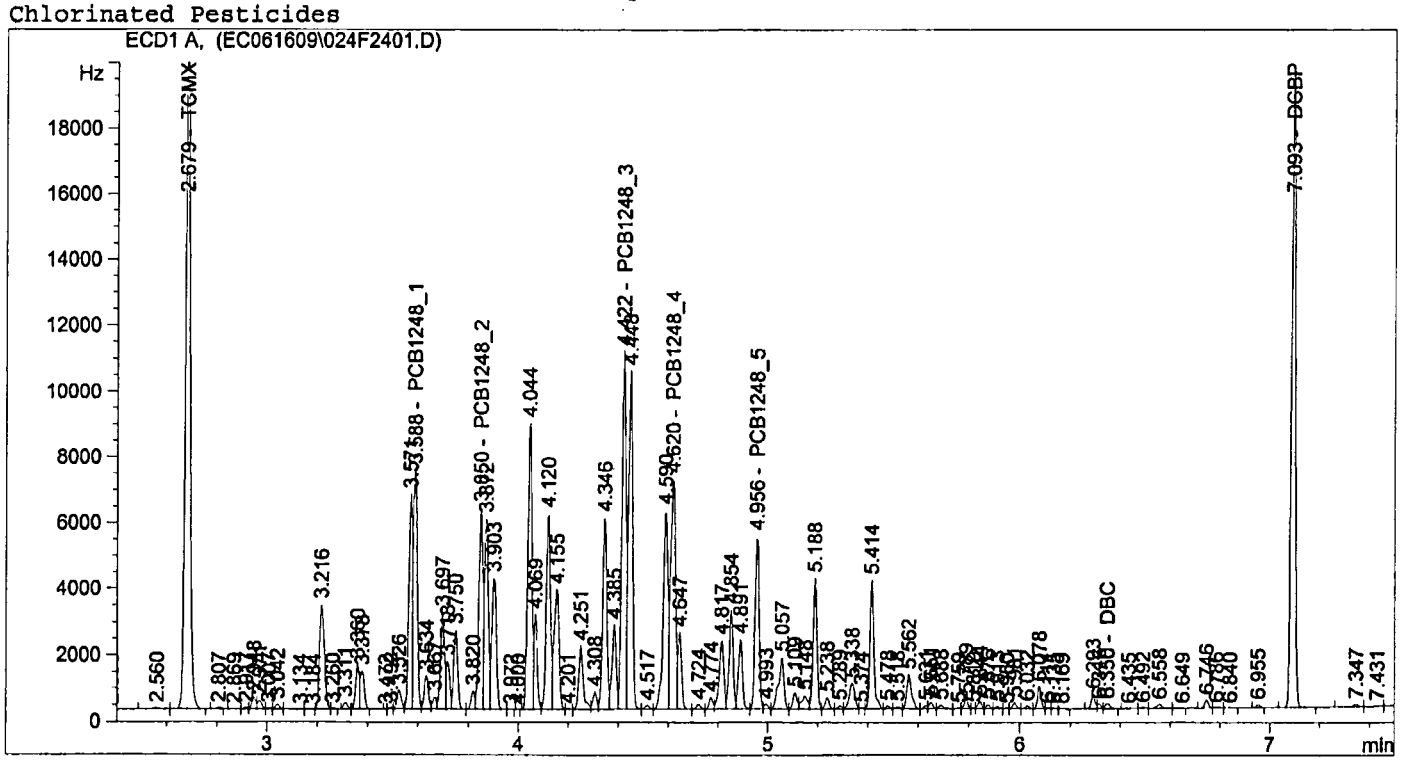
Totals : 5143.13073

BWS
6.17.09

Results obtained with enhanced integrator!

```
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:11:15 PM          Seq. Line :  24
Sample Name     : A1248 x500 ICAL                Location : Vial 24
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	2.65143e4	1.73661e-3	46.04496		TCMX
3.588	VV	7947.63037	5.92269e-2	470.71361		PCB1248_1
3.850	VV	6716.69434	6.95747e-2	467.31201		PCB1248_2
4.422	VV	1.24080e4	3.77458e-2	468.34971		PCB1248_3
4.620	VV	9514.63184	4.91111e-2	467.27423		PCB1248_4
4.956	VV	5683.82764	8.15457e-2	463.49196		PCB1248_5
6.350	VB	209.95770	2.26864e-1	47.63186		DBC
7.093	VB	2.09592e4	2.16929e-3	45.46662		DCBP

Totals : 2476.28497

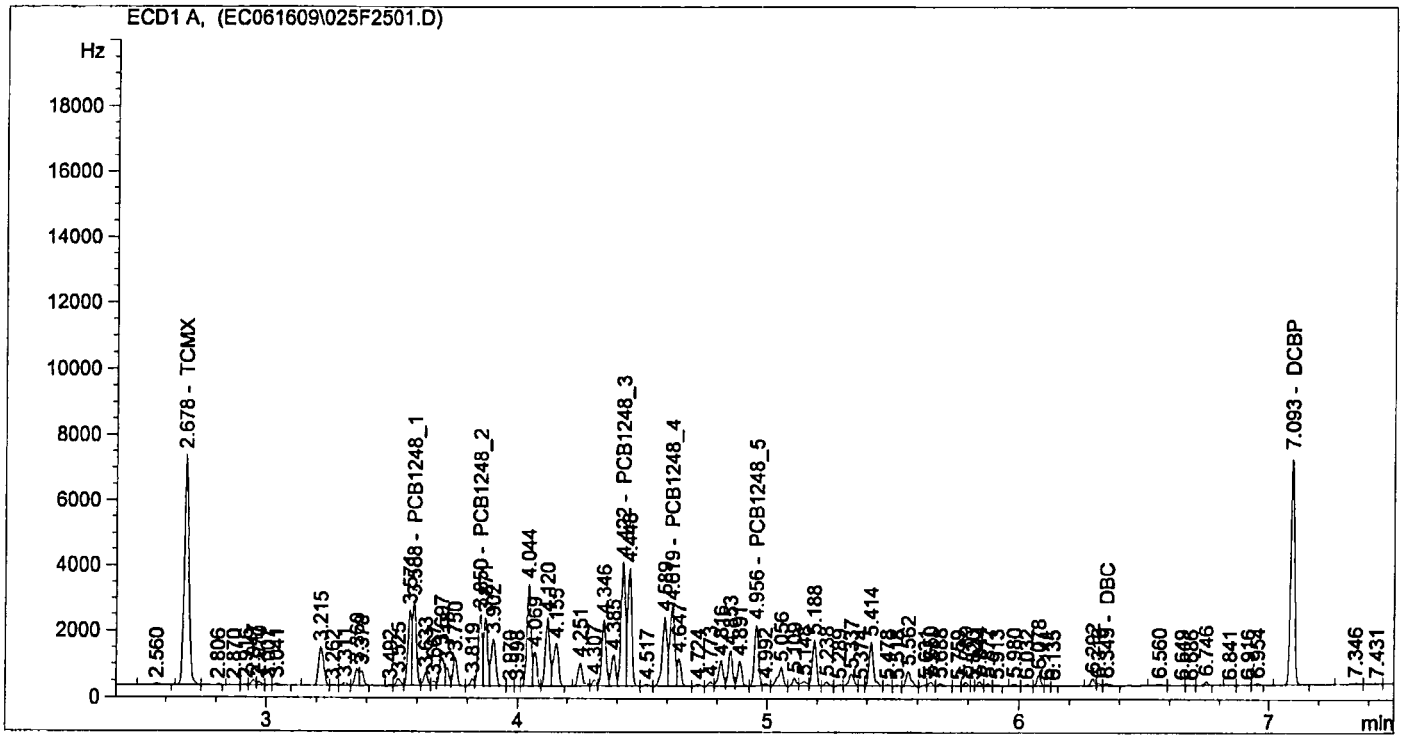
BWS
6.17.09

Results obtained with enhanced integrator!

==

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 7:24:05 PM          Seq. Line :  25
Sample Name     : A1248 x200 ICAL                Location : Vial 25
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

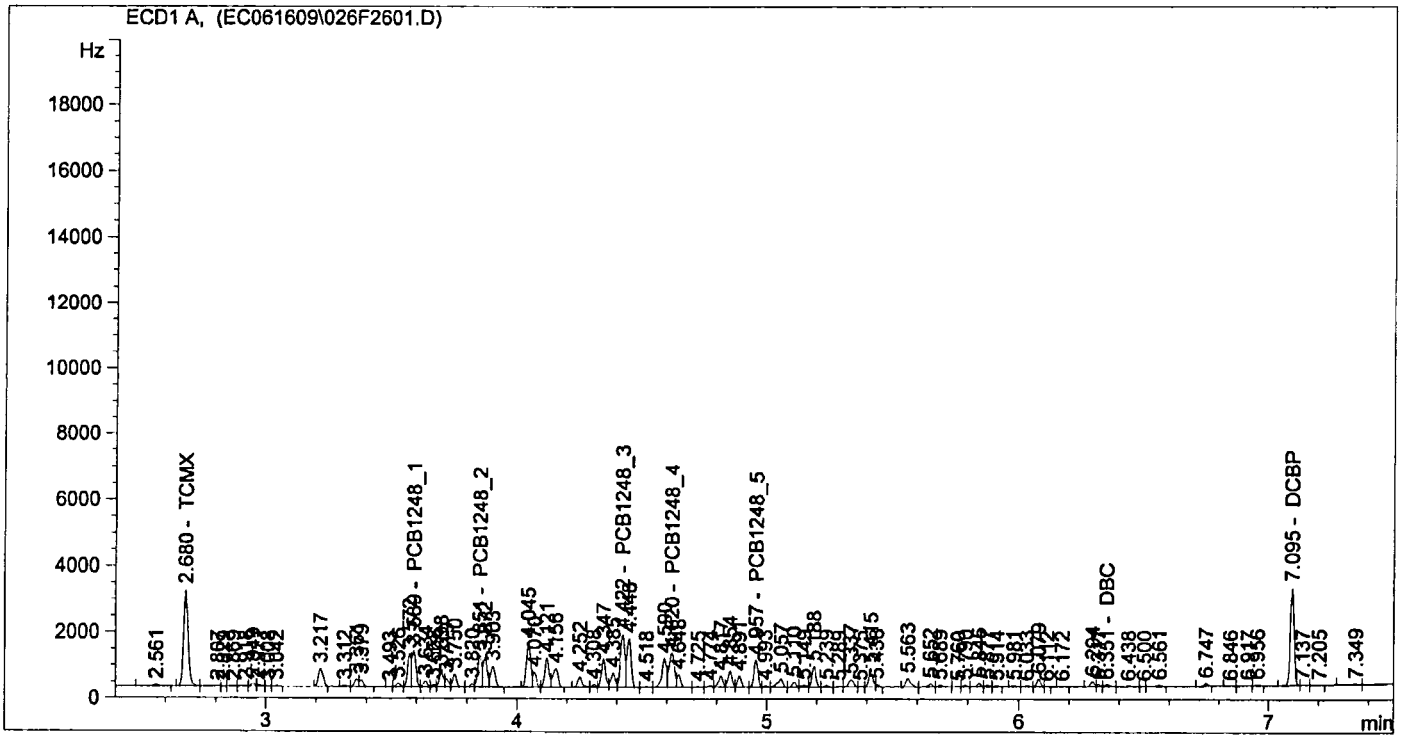
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	9037.30078	2.15025e-3	19.43242		TCMX
3.588	VV	2780.86670	6.89187e-2	191.65365		PCB1248_1
3.850	VV	2357.02759	8.14568e-2	191.99596		PCB1248_2
4.422	VV	4327.10547	4.46966e-2	193.40674		PCB1248_3
4.619	VV	3333.63086	5.79492e-2	193.18114		PCB1248_4
4.956	VV	1994.11768	9.73592e-2	194.14578		PCB1248_5
6.349	VB	100.45596	1.74253e-1	17.50476		DBC
7.093	BB	7328.20898	2.67982e-3	19.63826		DCBP

Totals : 1020.95871

BWS
6-17-09

```
Results obtained with enhanced integrator!
==================================================================
                    *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:37:02 PM          Seq. Line :  26
Sample Name     : A1248 x100 ICAL                Location : Vial 26
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

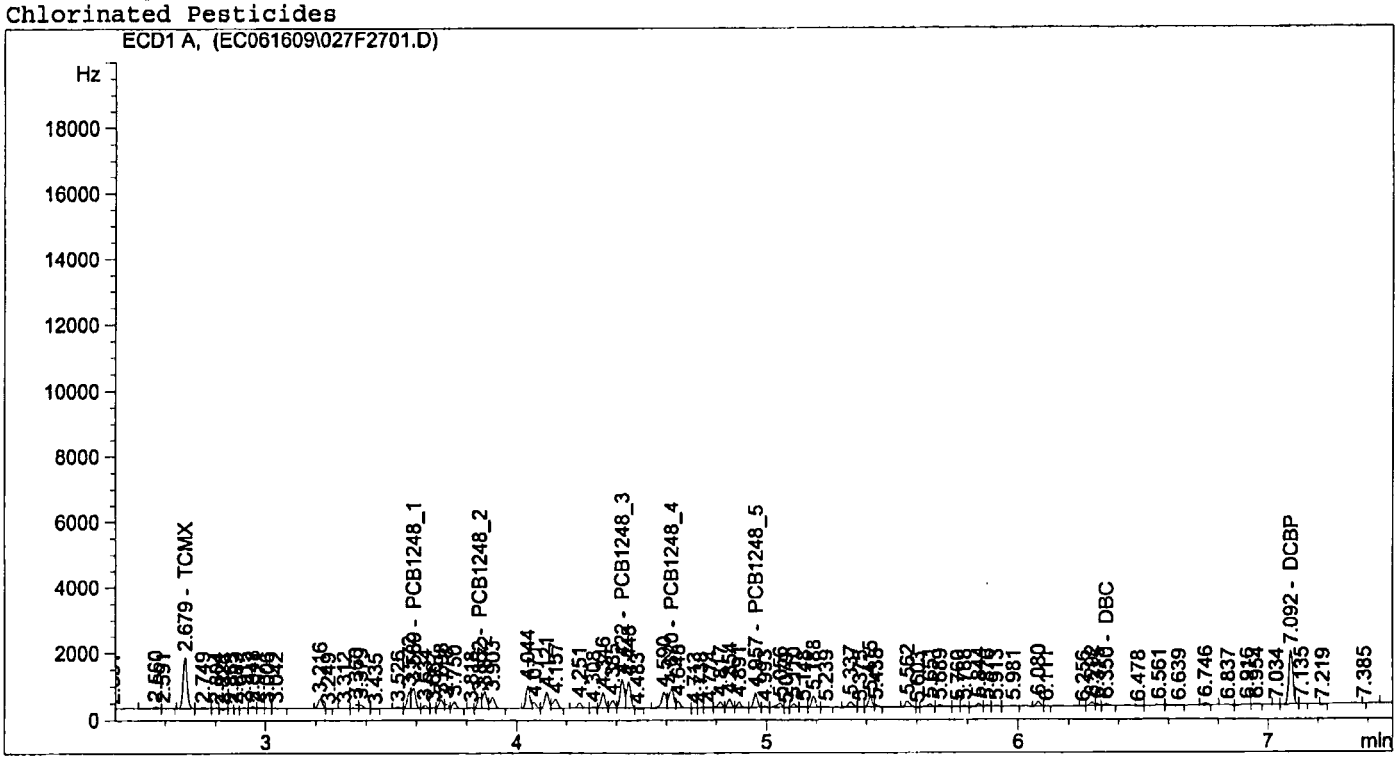
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	BV	3712.91650	3.05013e-3	11.32487		TCMX
3.589	VV	1206.29956	8.83780e-2	106.61035		PCB1248_1
3.851	VV	1041.66187	1.04573e-1	108.92969		PCB1248_2
4.422	VV	1840.27234	5.91190e-2	108.79501		PCB1248_3
4.620	VV	1445.28992	7.57244e-2	109.44370		PCB1248_4
4.957	VV	865.40601	1.29131e-1	111.75064		PCB1248_5
6.351	VV	72.35494	1.35075e-1	9.77336		DBC
7.095	VV	3173.20874	3.70768e-3	11.76526		DCBP
Totals :				578.39286		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:49:47 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

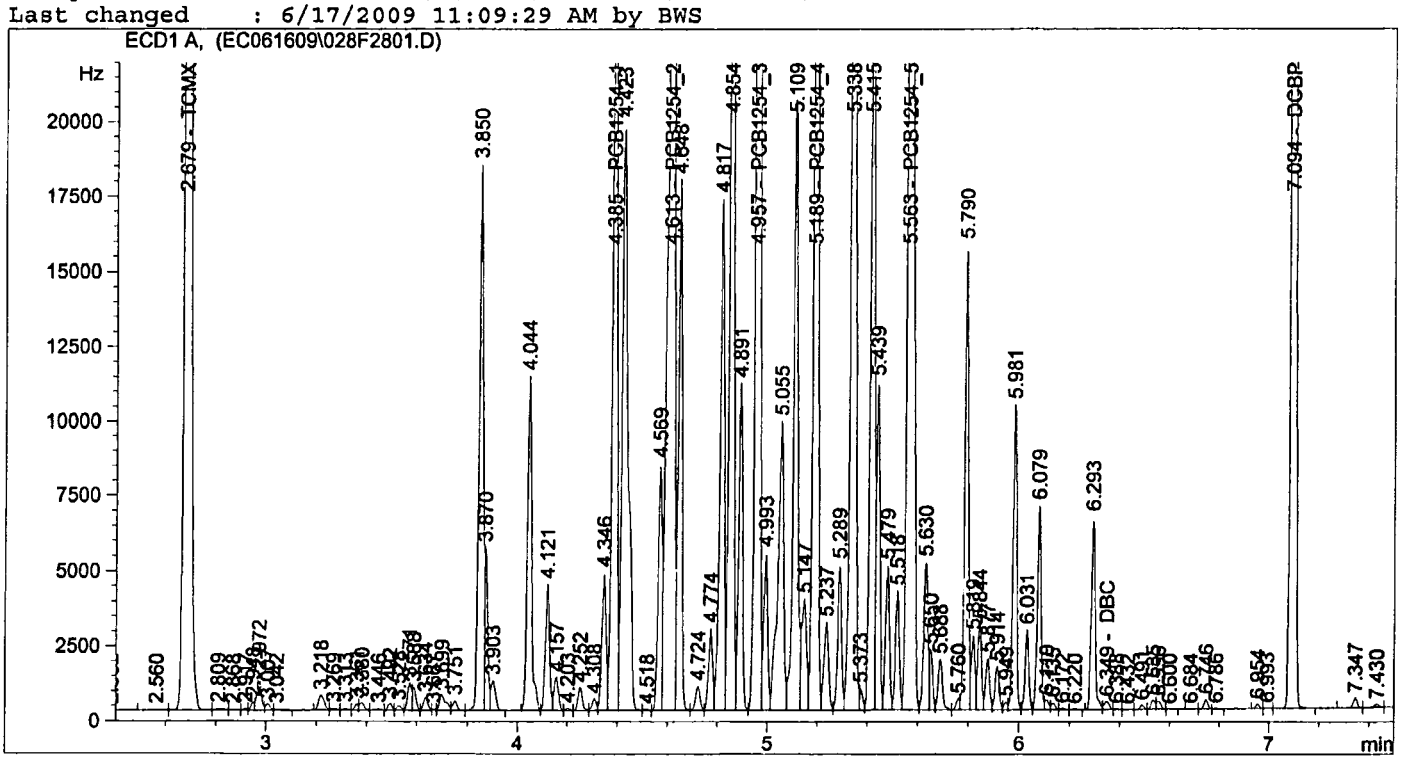
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	BV	1804.44470	4.66559e-3	8.41880		TCMX
3.589	VV	689.87244	1.14105e-1	78.71781		PCB1248_1
3.852	VV	361.03488	1.82663e-1	65.94761		PCB1248_2
4.422	VV	989.36005	8.07023e-2	79.84367		PCB1248_3
4.620	VV	791.98114	1.01610e-1	80.47308		PCB1248_4
4.957	VV	474.01437	1.75479e-1	83.17933		PCB1248_5
6.350	VV	66.93967	1.23745e-1	8.28346		DBC
7.092	PV	1745.26758	5.19093e-3	9.05955		DCBP
Totals :				413.92331		

BWS
6/17/09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 8:02:36 PM          Seq. Line :  28
Sample Name     : A1254 x2000 ICAL               Location : Vial 28
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.22053e5	1.64476e-3	200.74826		TCMX
4.385	VV	3.54882e4	5.61857e-2	1993.92745		PCB1254_1
4.613	VV	6.50329e4	3.06972e-2	1996.32766		PCB1254_2
4.957	VV	6.96113e4	2.87116e-2	1998.65055		PCB1254_3
5.189	VV	5.35099e4	3.74030e-2	2001.43030		PCB1254_4
5.563	VV	7.03196e4	2.84810e-2	2002.77366		PCB1254_5
6.349	VV	399.02768	9.50029e-1	379.08784		DBC
7.094	VB	9.78117e4	2.05768e-3	201.26552		DCBP

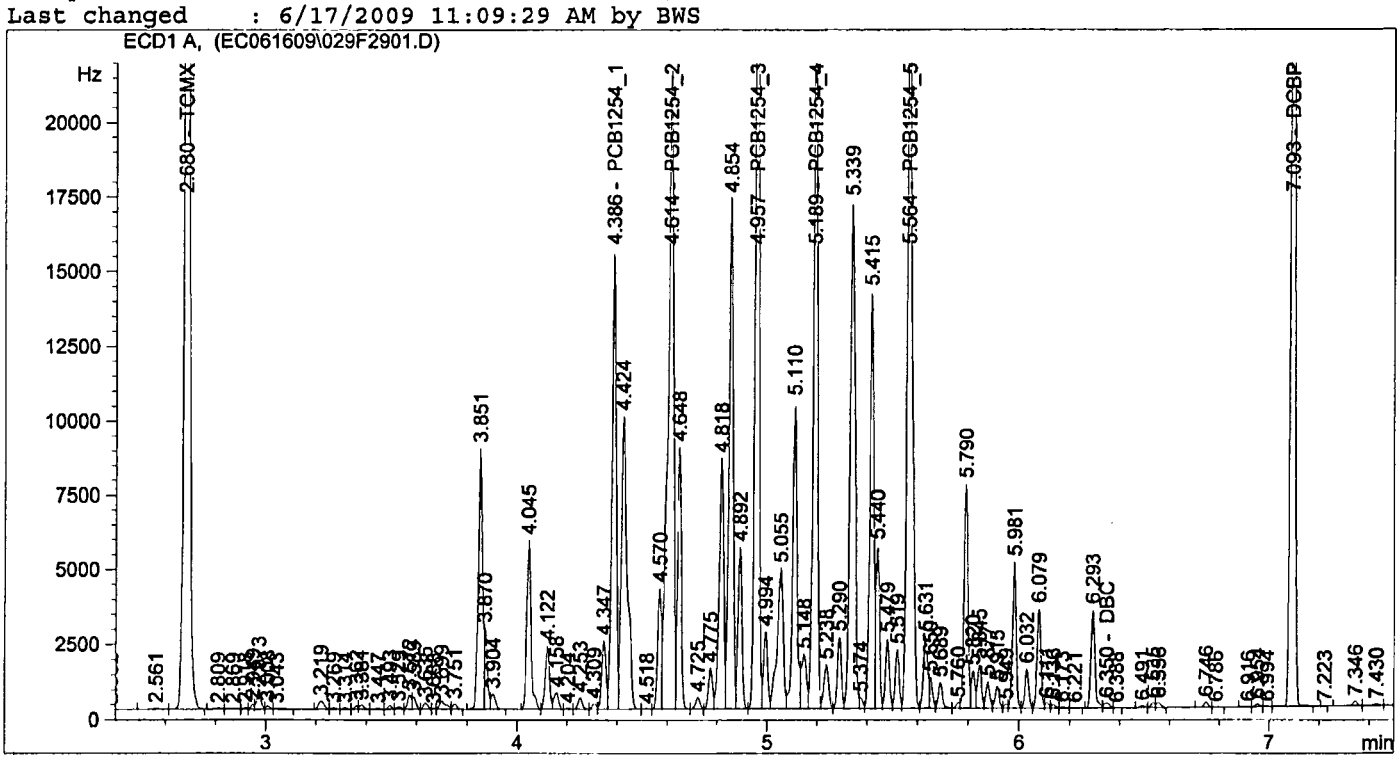
BWS
6.17.09

Totals : 1.07742e4

Results obtained with enhanced integrator!

==
*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 8:15:36 PM          Seq. Line :  29
Sample Name     : A1254 x1000 ICAL               Location : Vial 29
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```

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==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VB	5.90748e4	1.67583e-3	98.99900		TCMX
4.386	VV	1.79271e4	5.65267e-2	1013.35817		PCB1254_1
4.614	VV	3.26436e4	3.09336e-2	1009.78517		PCB1254_2
4.957	VV	3.46685e4	2.90225e-2	1006.16530		PCB1254_3
5.189	VV	2.64542e4	3.78543e-2	1001.40418		PCB1254_4
5.564	VV	3.46506e4	2.88480e-2	999.60283		PCB1254_5
6.350	VV	239.65477	0.00000	0.00000		DBC
7.093	VB	4.69330e4	2.09460e-3	98.30605		DCBP

Totals : 5227.62071

BWS
6.17.09

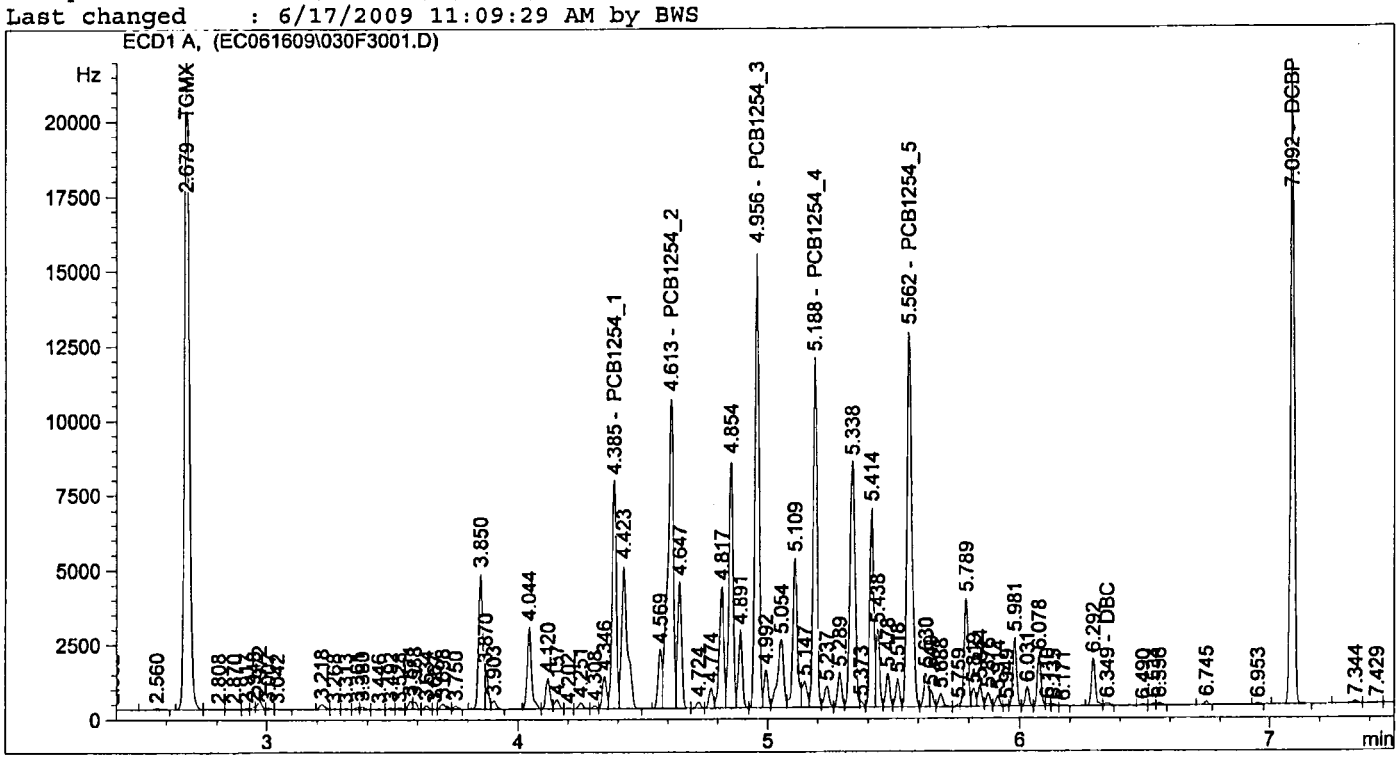
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

==========

Injection Date : 6/16/2009 8:28:31 PM Seq. Line : 30
Sample Name : A1254 x500 ICAL Location : Vial 30
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2.86009e4	1.73998e-3	49.76491		TCMX
4.385	VV	8812.30469	5.72395e-2	504.41229		PCB1254_1
4.613	VV	1.59512e4	3.14303e-2	501.35128		PCB1254_2
4.956	VV	1.68036e4	2.96809e-2	498.74692		PCB1254_3
5.188	VV	1.27868e4	3.88083e-2	496.23276		PCB1254_4
5.562	VV	1.67089e4	2.96250e-2	495.00058		PCB1254_5
6.349	VV	139.15649	0.00000	0.00000		DBC
7.092	VV	2.23516e4	2.17267e-3	48.56259		DCBP

Totals : 2594.07133

BWS
6.17.09

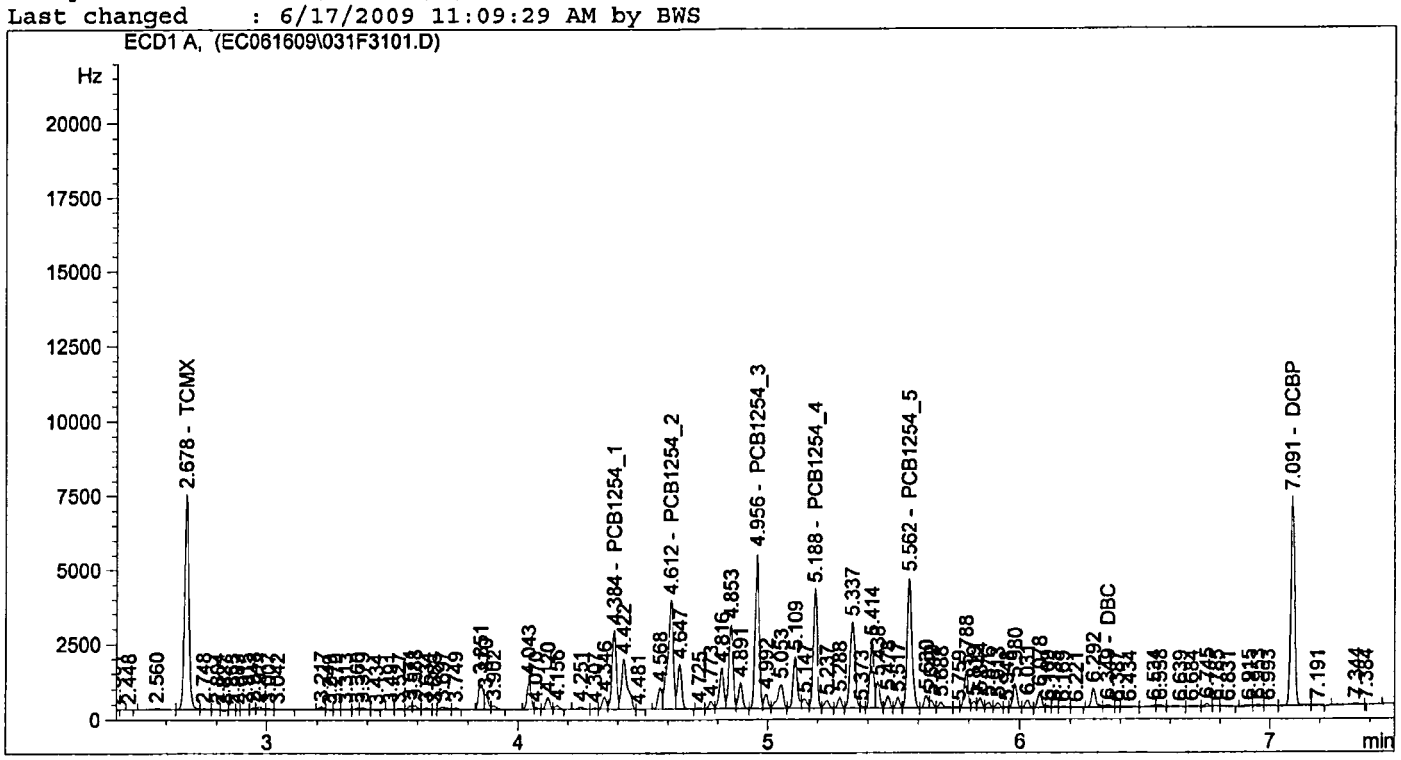
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

==========

Injection Date : 6/16/2009 8:41:32 PM Seq. Line : 31
Sample Name : A1254 x200 ICAL Location : Vial 31
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



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External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	8524.24609	2.03289e-3	17.32882		TCMX
4.384	VV	3080.65039	5.98480e-2	184.37073		PCB1254_1
4.612	VV	5549.41016	3.32512e-2	184.52429		PCB1254_2
4.956	VV	5754.39941	3.21343e-2	184.91339		PCB1254_3
5.188	VV	4395.10254	4.23342e-2	186.06293		PCB1254_4
5.562	VV	5617.83398	3.25875e-2	183.07117		PCB1254_5
6.349	VV	141.14275	0.00000	0.00000		DBC
7.091	VV	7539.11914	2.46550e-3	18.58767		DCBP

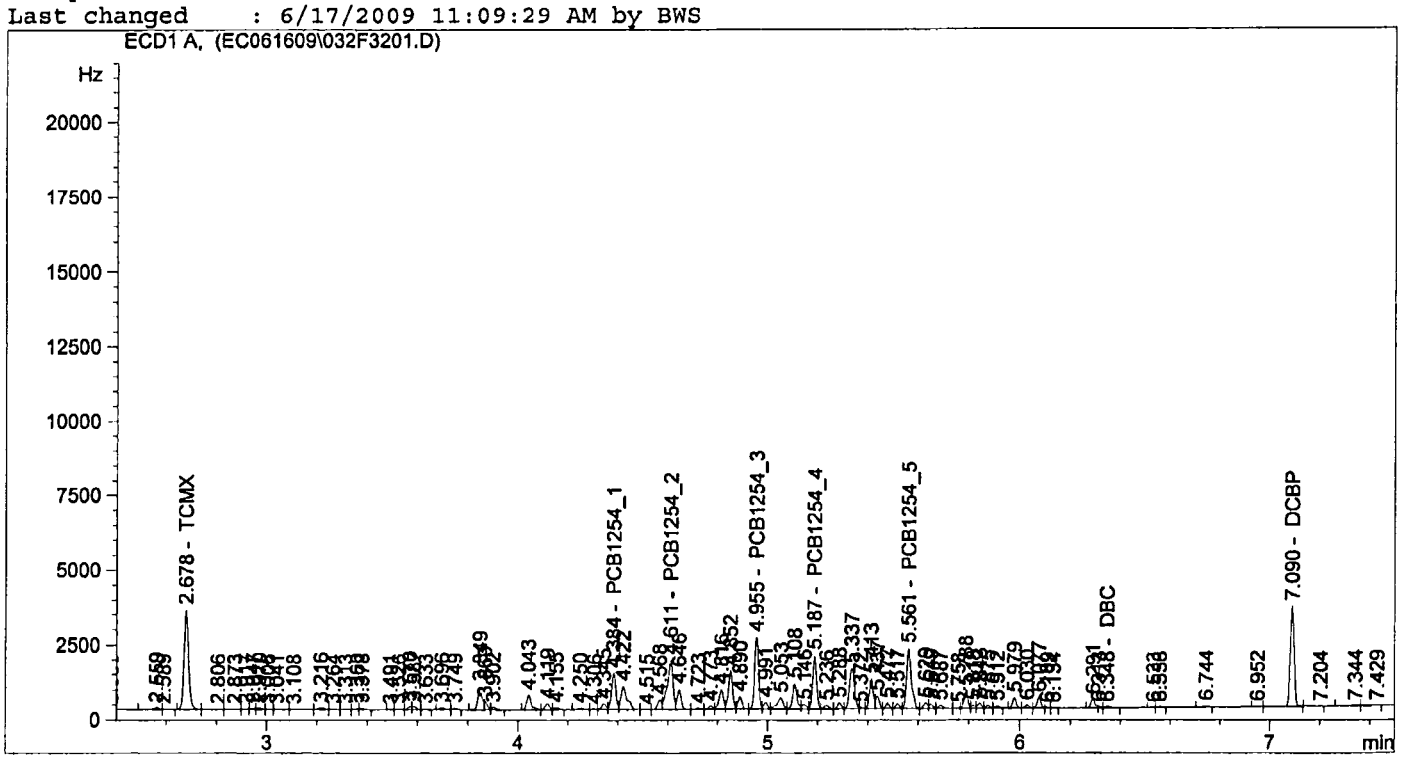
Totals : 958.85900

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:54:25 PM          Seq. Line :  32
Sample Name     : A1254 x100 ICAL                Location : Vial 32
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```

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==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	4296.46533	2.44349e-3	10.49836		TCMX
4.384	VV	1435.14307	6.44463e-2	92.48963		PCB1254_1
4.611	VV	2587.54272	3.64473e-2	94.30903		PCB1254_2
4.955	VV	2598.47339	3.66658e-2	95.27513		PCB1254_3
5.187	VV	1981.65430	4.88773e-2	96.85782		PCB1254_4
5.561	VV	2636.43701	3.76345e-2	99.22098		PCB1254_5
6.348	VB	43.90696	0.00000	0.00000		DBC
7.090	VB	3566.89917	2.95758e-3	10.54939		DCBP

Totals : 499.20033

BWS
6.17.09

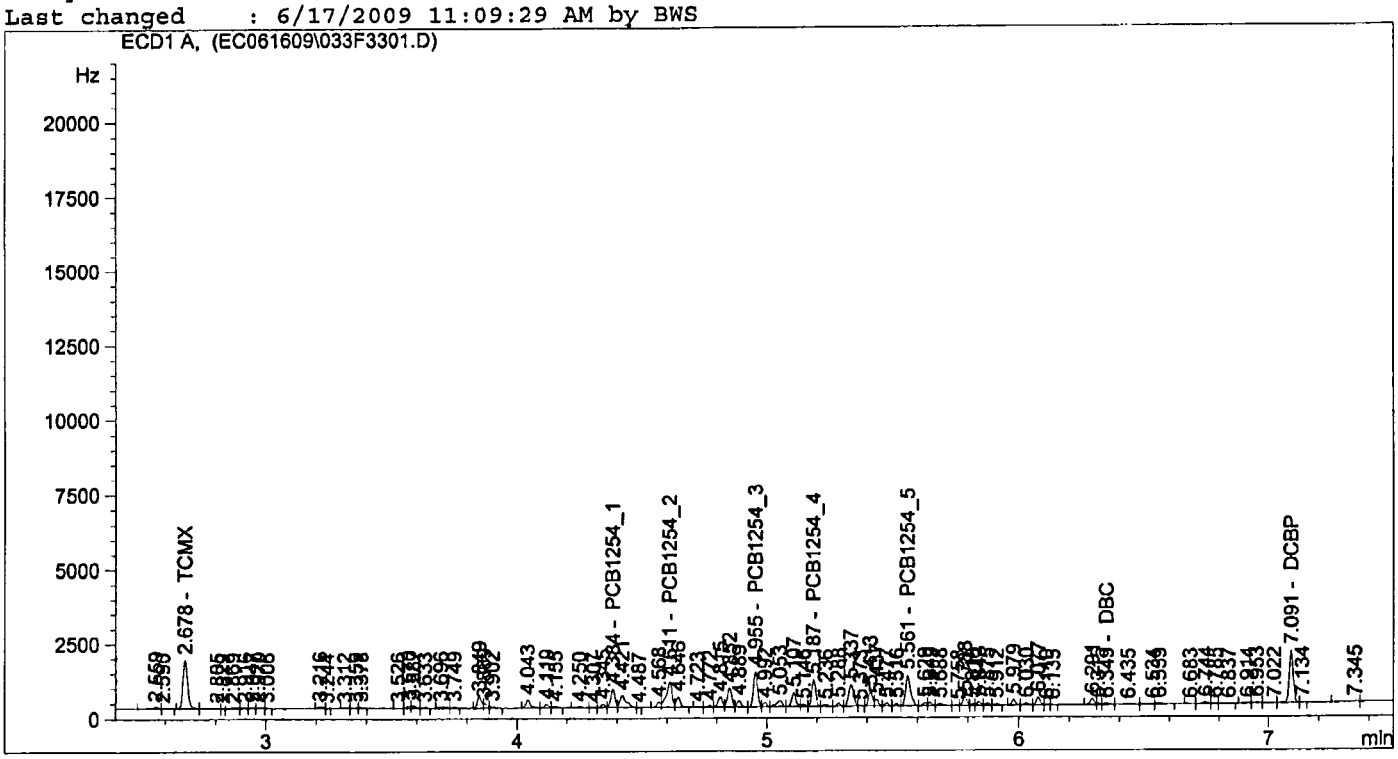
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

==========

Injection Date : 6/16/2009 9:07:20 PM Seq. Line : 33
Sample Name : A1254 x40 ICAL Location : Vial 33
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	2096.34692	3.31234e-3	6.94381		TCMX
4.384	VV	747.95959	7.23555e-2	54.11898		PCB1254_1
4.611	VV	1354.87512	4.18956e-2	56.76331		PCB1254_2
4.955	VV	1309.11450	4.48038e-2	58.65327		PCB1254_3
5.187	VV	1002.31152	6.05198e-2	60.65966		PCB1254_4
5.561	VV	1361.23328	4.65435e-2	63.35655		PCB1254_5
6.349	VV	60.24842	0.00000	0.00000		DBC
7.091	VV	1876.47437	3.79894e-3	7.12861		DCBP

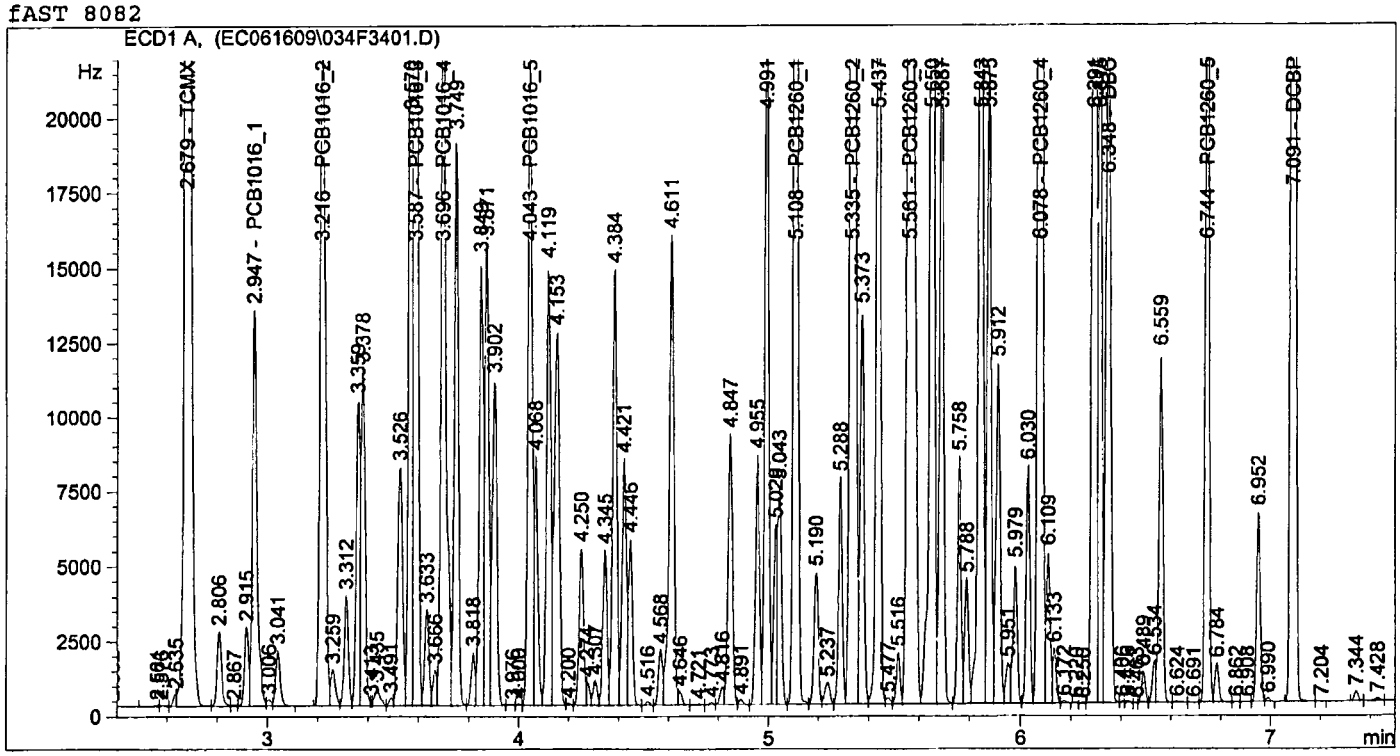
Totals : 307.62420

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 9:20:14 PM          Seq. Line :  34
Sample Name     : PCB x2000 ICAL                 Location : Vial 34
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

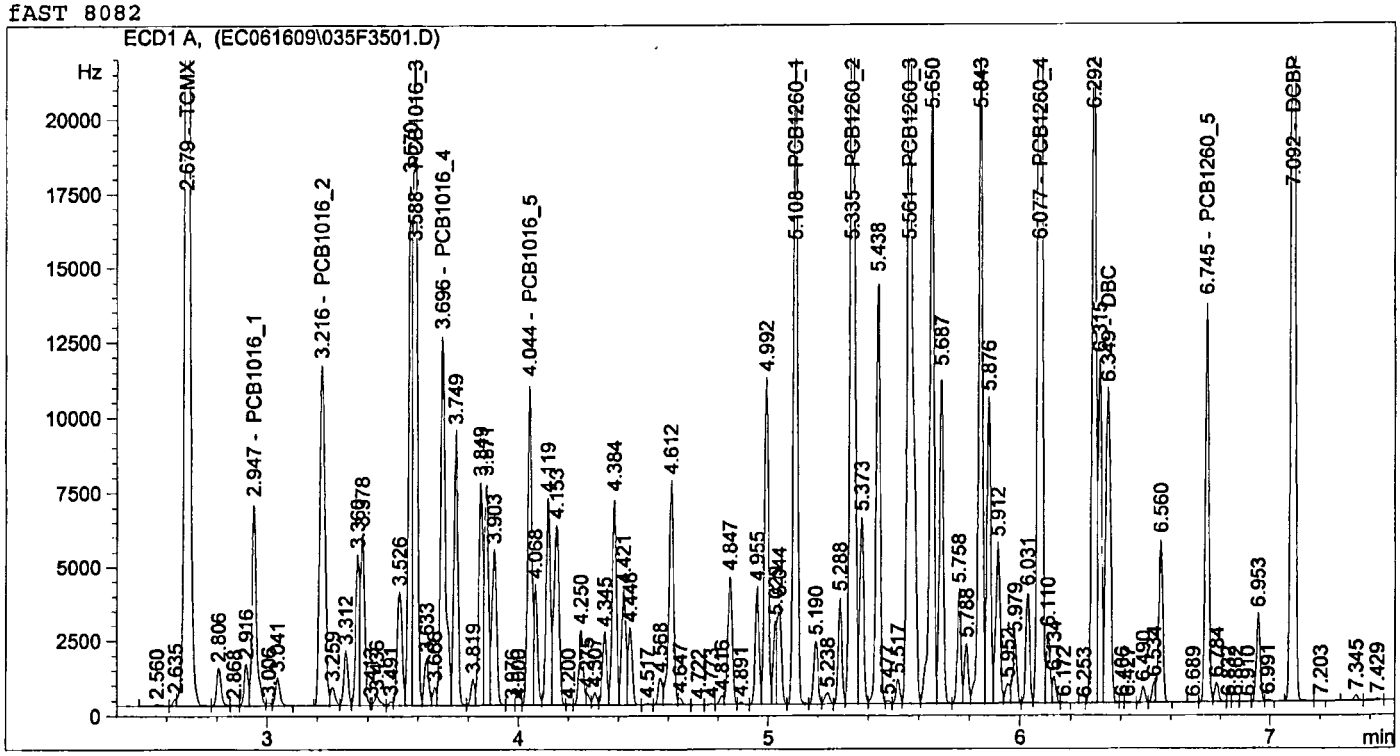
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.21250e5	1.65931e-3	201.19254		TCMX
2.947	VV	1.72408e4	1.15845e-1	1997.26688		PCB1016_1
3.216	PV	3.26845e4	6.08924e-2	1990.24185		PCB1016_2
3.587	VV	5.03406e4	3.98945e-2	2008.31722		PCB1016_3
3.696	VV	3.27770e4	6.11295e-2	2003.63813		PCB1016_4
4.043	VV	2.59332e4	7.73971e-2	2007.15412		PCB1016_5
5.108	VV	5.10187e4	3.94658e-2	2013.49142		PCB1260_1
5.335	VV	8.09492e4	2.48880e-2	2014.66536		PCB1260_2
5.561	VV	8.69555e4	2.31943e-2	2016.87090		PCB1260_3
6.078	VV	1.16463e5	1.73421e-2	2019.71412		PCB1260_4
6.348	VV	3.12323e4	6.46853e-3	202.02742		DBC
6.744	VV	2.96732e4	6.81750e-2	2022.96984		PCB1260_5
7.091	VV	1.00152e5	2.02414e-3	202.72162		DCBP

Totals : 2.07003e4

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:33:02 PM          Seq. Line :  35
Sample Name     : PCB x1000 ICAL                 Location : Vial 35
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

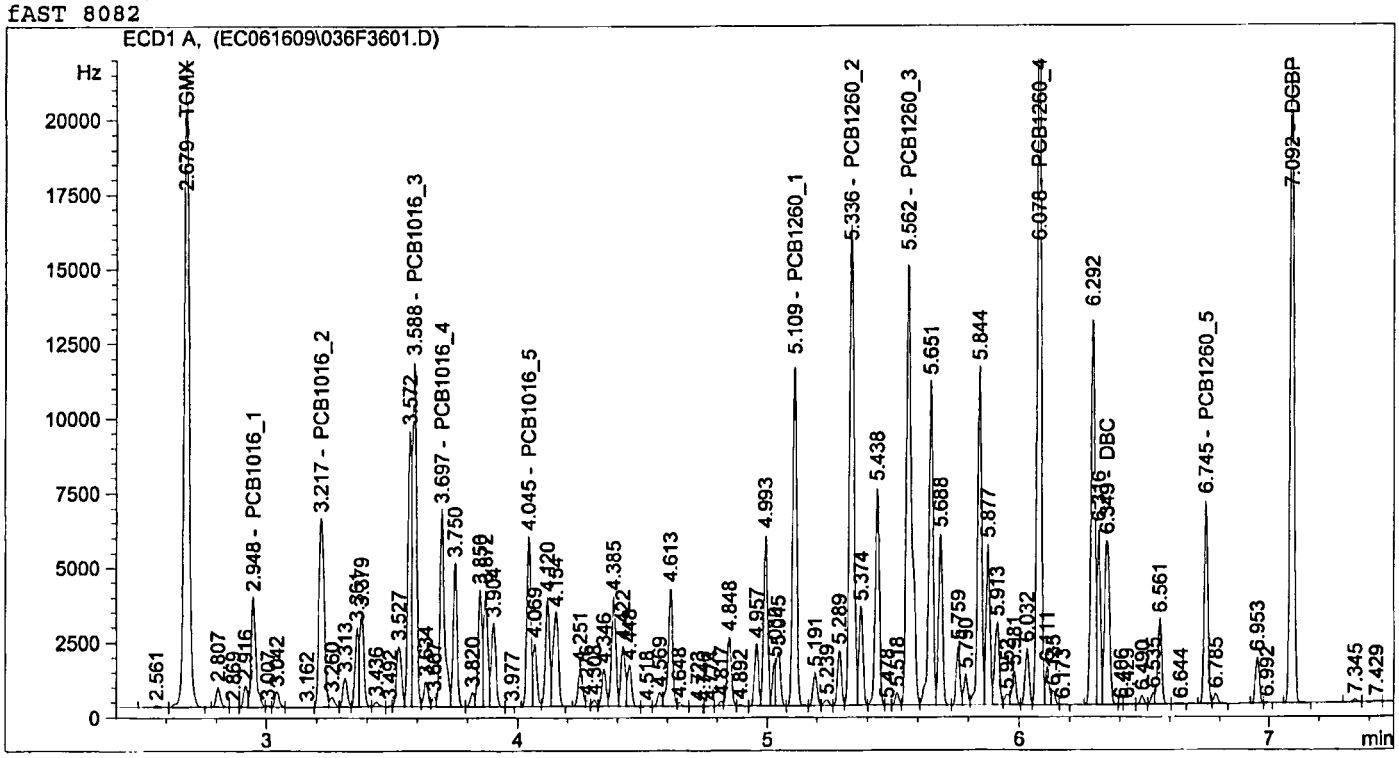
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	5.79653e4	1.67490e-3	97.08626		TCMX
2.947	VV	8630.02051	1.14947e-1	991.99581		PCB1016_1
3.216	PV	1.66326e4	6.03041e-2	1003.01564		PCB1016_2
3.588	VV	2.42770e4	4.00624e-2	972.59592		PCB1016_3
3.696	VV	1.60786e4	6.11591e-2	983.35443		PCB1016_4
4.044	VV	1.26056e4	7.75844e-2	977.99992		PCB1016_5
5.108	VV	2.43350e4	3.97752e-2	967.92764		PCB1260_1
5.335	VV	3.84732e4	2.51016e-2	965.73908		PCB1260_2
5.561	VV	4.10533e4	2.34433e-2	962.42580		PCB1260_3
6.077	VV	5.45419e4	1.75871e-2	959.23379		PCB1260_4
6.349	VV	1.46099e4	6.54455e-3	95.61555		DBC
6.745	VV	1.37551e4	6.91876e-2	951.68206		PCB1260_5
7.092	VB	4.59375e4	2.05757e-3	94.51957		DCBP

Totals : 1.00232e4

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:46:01 PM          Seq. Line :  36
Sample Name     : PCB x500 ICAL                  Location : Vial 36
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```

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==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

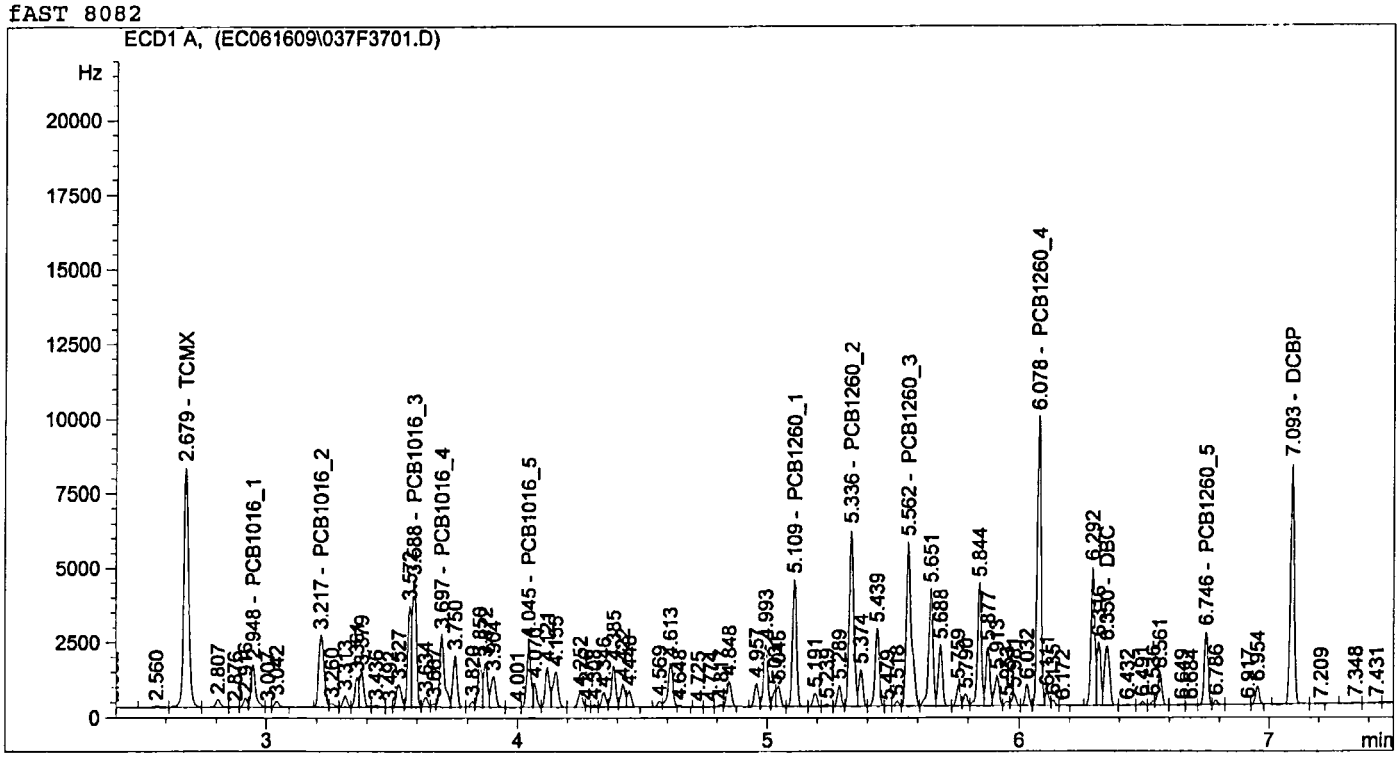
Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	3.01046e4	1.70255e-3	51.25442		TCMX
2.948	VV	4683.42236	1.13431e-1	531.24715		PCB1016_1
3.217	PV	9094.14063	5.93109e-2	539.38206		PCB1016_2
3.588	VV	1.30108e4	4.03431e-2	524.89529		PCB1016_3
3.697	VV	8536.23145	6.12105e-2	522.50719		PCB1016_4
4.045	VV	6655.70361	7.79103e-2	518.54789		PCB1016_5
5.109	VV	1.26906e4	4.03179e-2	511.66021		PCB1260_1
5.336	VV	2.00608e4	2.54753e-2	511.05530		PCB1260_2
5.562	VV	2.12894e4	2.38813e-2	508.41859		PCB1260_3
6.078	VV	2.78606e4	1.80285e-2	502.28332		PCB1260_4
6.349	VV	7585.99463	6.67681e-3	50.65023		DBC
6.745	VV	7103.52344	7.09552e-2	504.03201		PCB1260_5
7.092	VB	2.35723e4	2.11616e-3	49.88272		DCBP

Totals : 5325.81638

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  37
Sample Name     : PCB x200 ICAL                  Location : Vial 37
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

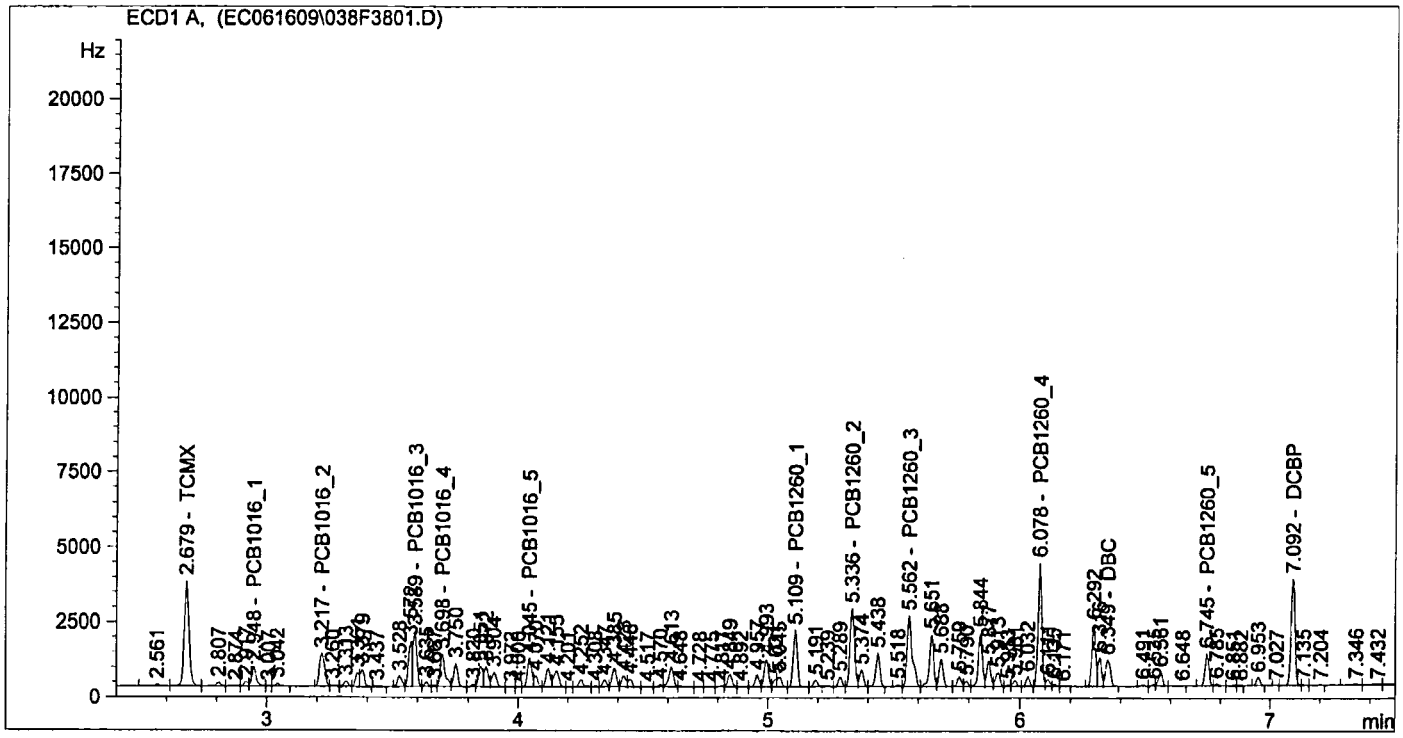
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.08099e4	1.80519e-3	19.51395		TCMX
2.948	VV	1826.83508	1.08249e-1	197.75265		PCB1016_1
3.217	BV	3515.66235	5.58341e-2	196.29384		PCB1016_2
3.588	VV	4714.23291	4.14076e-2	195.20522		PCB1016_3
3.697	VV	3178.36353	6.13953e-2	195.13662		PCB1016_4
4.045	VV	2462.75513	7.90857e-2	194.76877		PCB1016_5
5.109	VV	4633.16504	4.22905e-2	195.93902		PCB1260_1
5.336	VV	7301.72949	2.68395e-2	195.97470		PCB1260_2
5.562	VV	7683.14453	2.54925e-2	195.86235		PCB1260_3
6.078	VV	1.00399e4	1.96300e-2	197.08246		PCB1260_4
6.350	VV	2740.56128	7.16318e-3	19.63114		DBC
6.746	VV	2536.74219	7.75356e-2	196.68793		PCB1260_5
7.093	VB	8475.61133	2.33050e-3	19.75239		DCBP

Totals : 2019.60105

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 10:11:44 PM          Seq. Line :  38
Sample Name     : PCB x100 ICAL                   Location : Vial 38
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	4626.69043	2.01923e-3	9.34235		TCMX
2.948	VV	850.59192	9.84966e-2	83.78039		PCB1016_1
3.217	BV	1599.89221	4.90470e-2	78.46993		PCB1016_2
3.589	VV	2033.84790	4.36077e-2	88.69151		PCB1016_3
3.698	VV	1423.24719	6.17584e-2	87.89743		PCB1016_4
4.045	VV	1106.63562	8.13722e-2	90.04934		PCB1016_5
5.109	VV	2028.33423	4.62805e-2	93.87227		PCB1260_1
5.336	VV	3216.15210	2.95643e-2	95.08322		PCB1260_2
5.562	VV	3360.40771	2.87353e-2	96.56241		PCB1260_3
6.078	VV	4285.95654	2.29913e-2	98.53964		PCB1260_4
6.349	VB	1223.74329	8.10701e-3	9.92090		DBC
6.745	VV	1109.86353	9.06950e-2	100.65909		PCB1260_5
7.092	VV	3759.68237	2.75030e-3	10.34024		DCBP

Totals : 943.20871

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 10:24:44 PM          Seq. Line :  39
Sample Name     : PCB x40 ICAL                    Location : Vial 39
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
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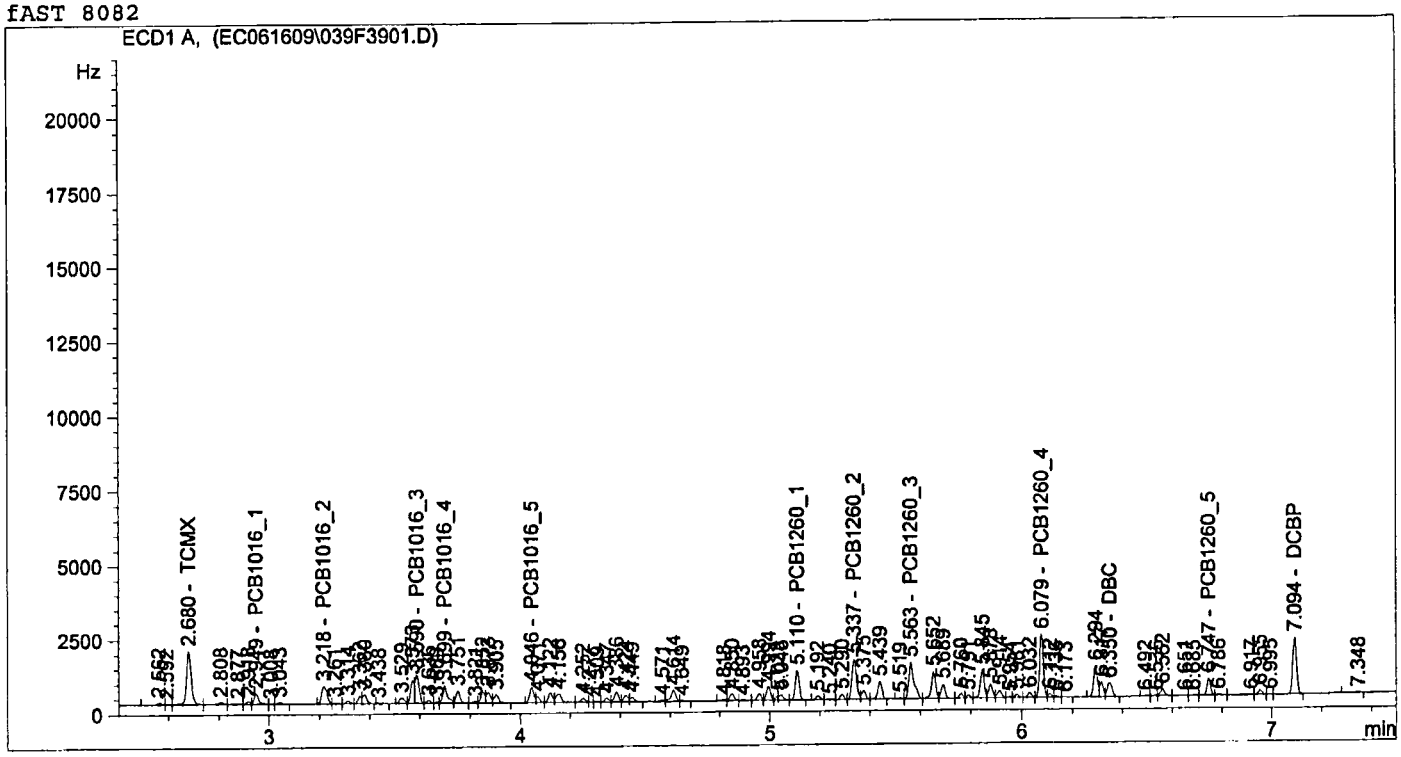


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                      External Standard Report
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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	2358.12231	2.37921e-3	5.61048		TCMX
2.949	VV	458.08719	8.28600e-2	37.95712		PCB1016_1
3.218	BV	854.01141	3.81689e-2	32.59668		PCB1016_2
3.590	VV	1067.60730	4.71099e-2	50.29484		PCB1016_3
3.699	VV	761.53467	6.23297e-2	47.46620		PCB1016_4
4.046	PV	607.16089	8.47880e-2	51.47995		PCB1016_5
5.110	VV	1090.11560	5.23884e-2	57.10944		PCB1260_1
5.337	VV	1693.51343	3.39427e-2	57.48234		PCB1260_2
5.563	VV	1762.67249	3.39598e-2	59.85996		PCB1260_3
6.079	VV	2219.36157	2.84526e-2	63.14669		PCB1260_4
6.350	VV	635.44293	9.68579e-3	6.15477		DBC
6.747	VV	564.69189	1.13281e-1	63.96907		PCB1260_5
7.094	VV	1977.56738	3.43020e-3	6.78346		DCBP

Totals : 539.91099

BWS
6/17/09

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	68.25872803	3.31863
		2	54.14932251	3.4258101
		3	171.6998596	3.47351
		4	0	0
		5	0	0
	100	1	134.818222	3.3185799
		2	93.75131226	3.4258699
		3	334.0836182	3.4739499
		4	0	0
		5	0	0
	200	1	275.8415222	3.31863
		2	187.9540558	3.42608
		3	654.3911743	3.4741499
		4	0	0
		5	0	0
	500	1	666.2232666	3.31865
		2	442.7644043	3.42591
		3	1580.27002	3.4739399
		4	0	0
		5	0	0
	1000	1	1352.282471	3.3185201
		2	878.3676147	3.42574
		3	3245.028809	3.4734499
		4	0	0
		5	0	0
	2000	1	2881.797607	3.31828
		2	1829.250732	3.42557
		3	6903.972168	3.4735999
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	3.2885	3.3485
2	3.3958	3.4558
3	3.4438	3.5038
4		
5		

Peak	Correlation Coefficient (r)
1	0.999397081
2	0.999671596
3	0.999354877
4	
5	

Peak	Slope (y)
1	0.69661673
2	1.103230345
3	0.290868062
4	
5	

Peak	Intercept (b)
1	15.45734798
2	-1.020489447
3	15.14532091
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	495.0893555	2.95327
		2	395.8239136	3.2230301
		3	525.0204468	3.5950401
		4	292.696106	4.0517302
		5	251.546936	4.4556398
	100	1	822.0823364	2.9533701
		2	627.5452271	3.22329
		3	845.7796021	3.5953801
		4	440.4623718	4.0520701
		5	406.5694275	4.45614
	200	1	1918.338501	2.9526601
		2	1475.925781	3.2225499
		3	1920.7677	3.59483
		4	955.569458	4.05125
		5	916.8273926	4.45506
	500	1	5459.367188	2.9532599
		2	4011.202393	3.2229099
		3	5890.492676	3.5949399
		4	2581.757813	4.0513
		5	2731.882568	4.4552202
	1000	1	10642.22656	2.95364
		2	8107.244629	3.22352
		3	11423.75781	3.5956399
		4	5312.279297	4.05231
		5	5470.343262	4.4562201
	2000	1	21929.52148	2.95332
		2	16745.51172	3.2232001
		3	24888.66992	3.59514
		4	11396.51563	4.0517502
		5	11935.27344	4.4556999

Peak	RT Window From	RT Window To
1	2.9233	2.9833
2	3.1931	3.2531
3	3.5652	3.6252
4	4.0217	4.0817
5	4.4257	4.4857

Peak	Correlation Coefficient (r)
1	0.99980252
2	0.999796603
3	0.999152508
4	0.999245784
5	0.999117781

Peak	Slope (y)
1	0.090809351
2	0.118921741
3	0.079932803
4	0.175114454
5	0.166558646

Peak	Intercept (b)
1	15.43408851
2	18.37121099
3	33.91633781
4	27.70412041
5	37.267483

PCB Initial Calibration Summary

Sample ID: A1242
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	403.0035706	2.94821
		2	725.3896484	3.2174399
		3	897.3375854	3.5889201
		4	509.7808533	4.0448699
		5	513.4442139	4.4223499
	100	1	793.5803223	2.9484501
		2	1467.12085	3.2176499
		3	1857.668701	3.5894201
		4	1025.639404	4.0453701
		5	1045.561646	4.4226699
	200	1	1538.385742	2.9498799
		2	2850.614014	3.21928
		3	3870.946045	3.5906601
		4	2049.926758	4.0471101
		5	2122.512451	4.4245901
	500	1	3628.715576	2.9507599
		2	6743.108398	3.21929
		3	10631.87207	3.5915501
		4	4836.100586	4.0467901
		5	5635.855957	4.4250598
	1000	1	8266.917969	2.9516699
		2	15512.74023	3.2212901
		3	22709.72656	3.59319
		4	11790.20996	4.0496001
		5	12501.0459	4.4270201
	2000	1	15892.9834	2.9526701
		2	29535.74609	3.2226501
		3	44998.21484	3.5947499
		4	23374.73242	4.0508699
		5	25335.19531	4.4284501

Peak	RT Window From	RT Window To
1	2.9203	2.9803
2	3.1896	3.2496
3	3.5614	3.6214
4	4.0174	4.0774
5	4.3950	4.4550

Peak	Correlation Coefficient (r)
1	0.999382277
2	0.99924372
3	0.999835192
4	0.998984327
5	0.99965219

Peak	Slope (y)
1	0.124937308
2	0.067088902
3	0.043983124
4	0.084482632
5	0.07816203

Peak	Intercept (b)
1	4.410879429
2	4.503517866
3	17.15669073
4	26.28450961
5	25.72961152

PCB Initial Calibration Summary

Sample ID: A1248
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	689.8724365	3.5885501
		2	361.0348816	3.8517399
		3	989.3600464	4.4222999
		4	791.9811401	4.6195402
		5	474.0143738	4.9567099
	100	1	1206.299561	3.5888801
		2	1041.661865	3.85131
		3	1840.272339	4.42238
		4	1445.289917	4.6200199
		5	865.4060059	4.9569502
	200	1	2780.866699	3.5878699
		2	2357.027588	3.85039
		3	4327.105469	4.4215598
		4	3333.630859	4.6187901
		5	1994.117676	4.9559798
	500	1	7947.630371	3.58832
		2	6716.694336	3.8503301
		3	12407.98633	4.42167
		4	9514.631836	4.61975
		5	5683.827637	4.9563398
	1000	1	17201.23828	3.5877299
		2	15082.45215	3.8497901
		3	26991.54883	4.4212699
		4	20718.24609	4.6191101
		5	12462.66113	4.9556799
	2000	1	36665.78516	3.5884299
		2	31148.52148	3.8506501
		3	58161.60547	4.4218602
		4	44654.57031	4.6196499
		5	27130.5918	4.9560599

Peak	RT Window From	RT Window To
1	3.5583	3.6183
2	3.8207	3.8807
3	4.3918	4.4518
4	4.5895	4.6495
5	4.9263	4.9863

Peak	Correlation Coefficient (r)
1	0.999329938
2	0.999647016
3	0.999192989
4	0.999159614
5	0.998955352

Peak	Slope (y)
1	0.053938235
2	0.063106134
3	0.033968994
4	0.044269949
5	0.072846844

Peak	Intercept (b)
1	42.25924654
2	43.56928499
3	47.13983997
4	46.35215364
5	49.81163788

PCB Initial Calibration Summary

Sample ID: A1254
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	747.9595947	4.3836298
		2	1354.875122	4.61128
		3	1309.114502	4.9548202
		4	1002.311523	5.1868401
		5	1361.233276	5.5612702
	100	1	1435.143066	4.38377
		2	2587.542725	4.6112299
		3	2598.473389	4.9552302
		4	1981.654297	5.18681
		5	2636.437012	5.56142
	200	1	3080.650391	4.38446
		2	5549.410156	4.61164
		3	5754.399414	4.9558001
		4	4395.102539	5.1876402
		5	5617.833984	5.5620098
	500	1	8812.304688	4.3850398
		2	15951.19336	4.6125302
		3	16803.64844	4.95645
		4	12786.76074	5.1880298
		5	16708.86914	5.56218
	1000	1	17927.06445	4.3857198
		2	32643.64453	4.6135402
		3	34668.50781	4.9574499
		4	26454.19531	5.1893702
		5	34650.625	5.5636301
	2000	1	35488.17188	4.38515
		2	65032.93359	4.6129198
		3	69611.28906	4.95679
		4	53509.94531	5.18852
		5	70319.60156	5.56285

Peak	RT Window From	RT Window To
1	4.3546	4.4146
2	4.5822	4.6422
3	4.9261	4.9861
4	5.1579	5.2179
5	5.5322	5.5922

Peak	Correlation Coefficient (r)
1	0.999871063
2	0.999883624
3	0.999887813
4	0.999886128
5	0.999848139

Peak	Slope (y)
1	0.055854704
2	0.030471499
3	0.028411196
4	0.036973921
5	0.028133881

Peak	Intercept (b)
1	11.71563016
2	14.72687888
3	20.89432368
4	22.96707296
5	24.36222119

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	458.0871887	2.9489901
		2	854.0114136	3.2182
		3	1067.6073	3.58971
		4	761.534668	3.69853
		5	607.1608887	4.0458798
	100	1	850.5919189	2.9480901
		2	1599.892212	3.2174301
		3	2033.8479	3.58881
		4	1423.247192	3.6976199
		5	1106.63562	4.0448298
	200	1	1826.835083	2.94767
		2	3515.662354	3.2168901
		3	4714.23291	3.5883801
		4	3178.363525	3.69735
		5	2462.755127	4.0446401
	500	1	4683.422363	2.9478099
		2	9094.140625	3.2171299
		3	13010.7832	3.5883801
		4	8536.231445	3.6970899
		5	6655.703613	4.0445199
	1000	1	8630.020508	2.9468901
		2	16632.63867	3.2163401
		3	24277.0332	3.58762
		4	16078.62793	3.6963401
		5	12605.62012	4.04353
	2000	1	17240.79102	2.9468701
		2	32684.54492	3.21632
		3	50340.64453	3.5873201
		4	32776.96875	3.6963201
		5	25933.19531	4.04321

Peak	RT Window From	RT Window To
1	2.9177	2.9777
2	3.1871	3.2471
3	3.5584	3.6184
4	3.6672	3.7272
5	4.0144	4.0744

Peak	Correlation Coefficient (r)
1	0.999767974
2	0.999615666
3	0.999701823
4	0.99982024
5	0.999800099

Peak	Slope (y)
1	0.116691605
2	0.061454851
3	0.039714517
4	0.061078938
5	0.077189043

Peak	Intercept (b)
1	-15.21846314
2	-19.41966486
3	8.246950002
4	1.165477844
5	4.84904761

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	1090.115601	5.1100502
		2	1693.513428	5.3373599
		3	1762.672485	5.5627599
		4	2219.361572	6.07901
		5	564.6918945	6.7466302
	100	1	2028.334229	5.1089802
		2	3216.1521	5.33599
		3	3360.407715	5.5618
		4	4285.956543	6.0783401
		5	1109.863525	6.74509
	200	1	4633.165039	5.1089501
		2	7301.729492	5.33606
		3	7683.144531	5.5619102
		4	10039.87402	6.0783701
		5	2536.742188	6.7459998
	500	1	12690.63965	5.1089702
		2	20060.8457	5.3362699
		3	21289.37891	5.56216
		4	27860.55859	6.0781002
		5	7103.523438	6.74508
	1000	1	24334.97461	5.1079702
		2	38473.16016	5.3350201
		3	41053.27344	5.56106
		4	54541.90625	6.0773802
		5	13755.09082	6.7446499
	2000	1	51018.65625	5.1076198
		2	80949.1875	5.3348999
		3	86955.5	5.56072
		4	116463.375	6.0775199
		5	29673.20117	6.7441101

Peak	RT Window From	RT Window To
1	5.0788	5.1388
2	5.3059	5.3659
3	5.5317	5.5917
4	6.0481	6.1081
5	6.7153	6.7753

Peak	Correlation Coefficient (r)
1	0.99970242
2	0.999673663
3	0.999615082
4	0.999542832
5	0.999391482

Peak	Slope (y)
1	0.039160323
2	0.024678433
3	0.022953865
4	0.017110559
5	0.067218053

Peak	Intercept (b)
1	14.76702614
2	16.06921781
3	19.84633707
4	25.69948897
5	26.71242249

Data File C:\HPCHEM\1\DATA\EC061609\004B0401.D

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Injection Date  : 6/16/2009 3:19:26 PM          Seq. Line :   4
Sample Name     : A1221 x2000 ICAL               Location : Vial 4
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 9:25:07 AM by BWS
Chlorinated Pesticides
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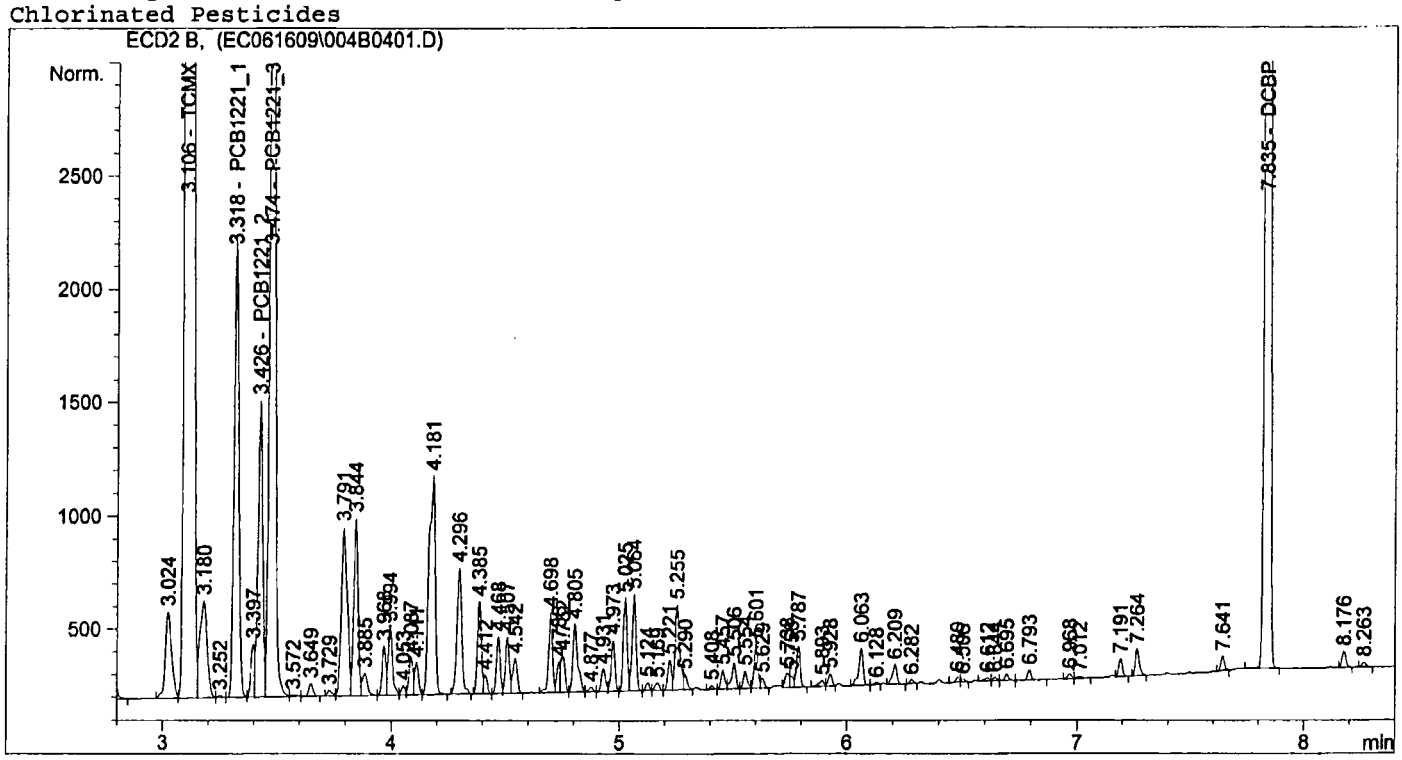


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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
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RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.01823e4	6.73864e-3	203.38781		TCMX
3.318	VV	2881.79761	7.02560e-1	2024.63492		PCB1221_1
3.426	VV	1829.25073	1.10317	2017.96934		PCB1221_2
3.474	VV	6903.97217	2.93321e-1	2025.07684		PCB1221_3
6.890		-	-	-		DBC
7.835	BP	3.04287e4	6.70653e-3	204.07139		DCBP

BWS
6.17.09

Totals : 6475.14029

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

ECD2 6/17/2009 9:25:30 AM BWS

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==================================================================
Injection Date  : 6/16/2009 3:32:12 PM          Seq. Line :   5
Sample Name     : A1221 x1000 ICAL               Location : Vial 5
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
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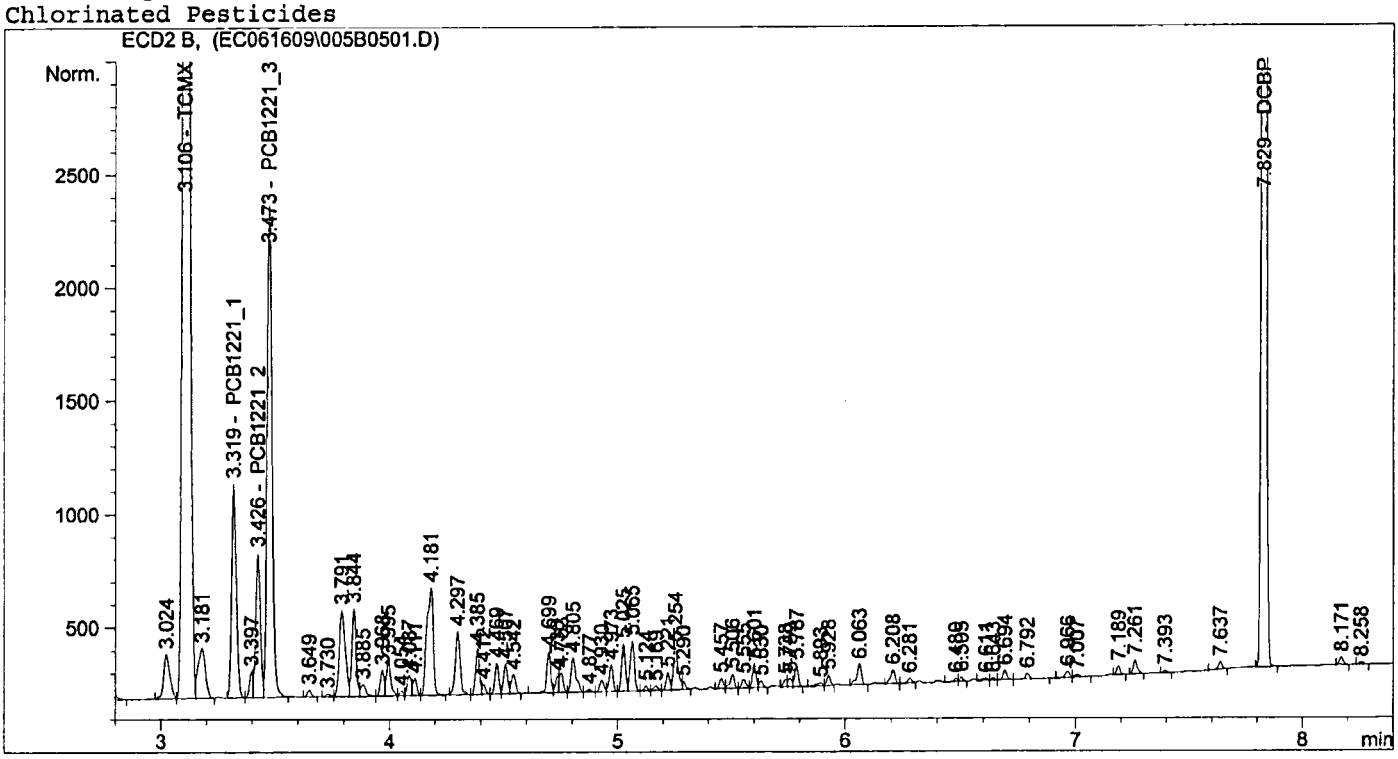


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==================================================================
                      External Standard Report
==================================================================
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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 8:56:45 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

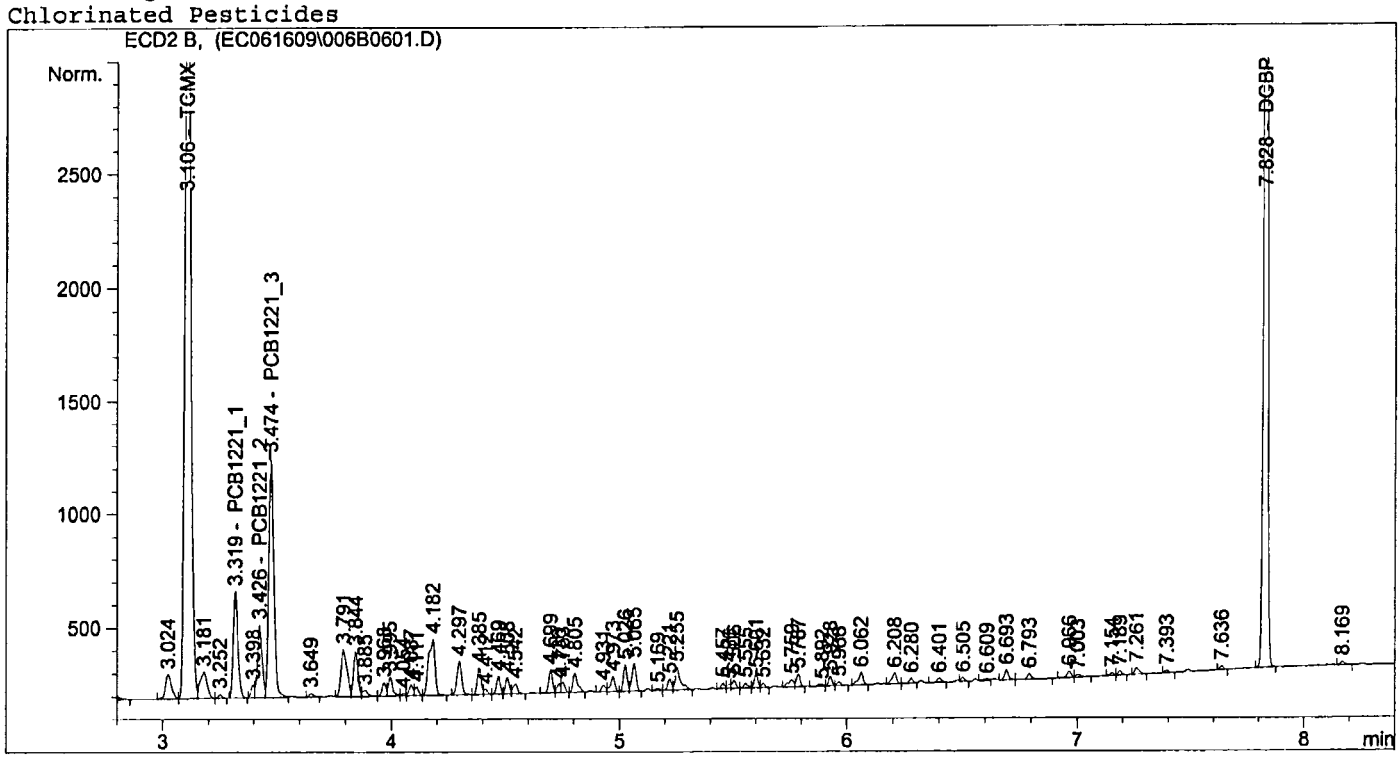
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.37204e4	6.90532e-3	94.74401		TCMX
3.319	BV	1352.28247	7.08331e-1	957.86312		PCB1221_1
3.426	VV	878.36761	1.10231	968.23687		PCB1221_2
3.473	VB	3245.02881	2.95662e-1	959.43257		PCB1221_3
6.890		-	-	-		DBC
7.829	BB	1.36037e4	6.86986e-3	93.45533		DCBP
Totals :				3073.73190		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD2 B,
```

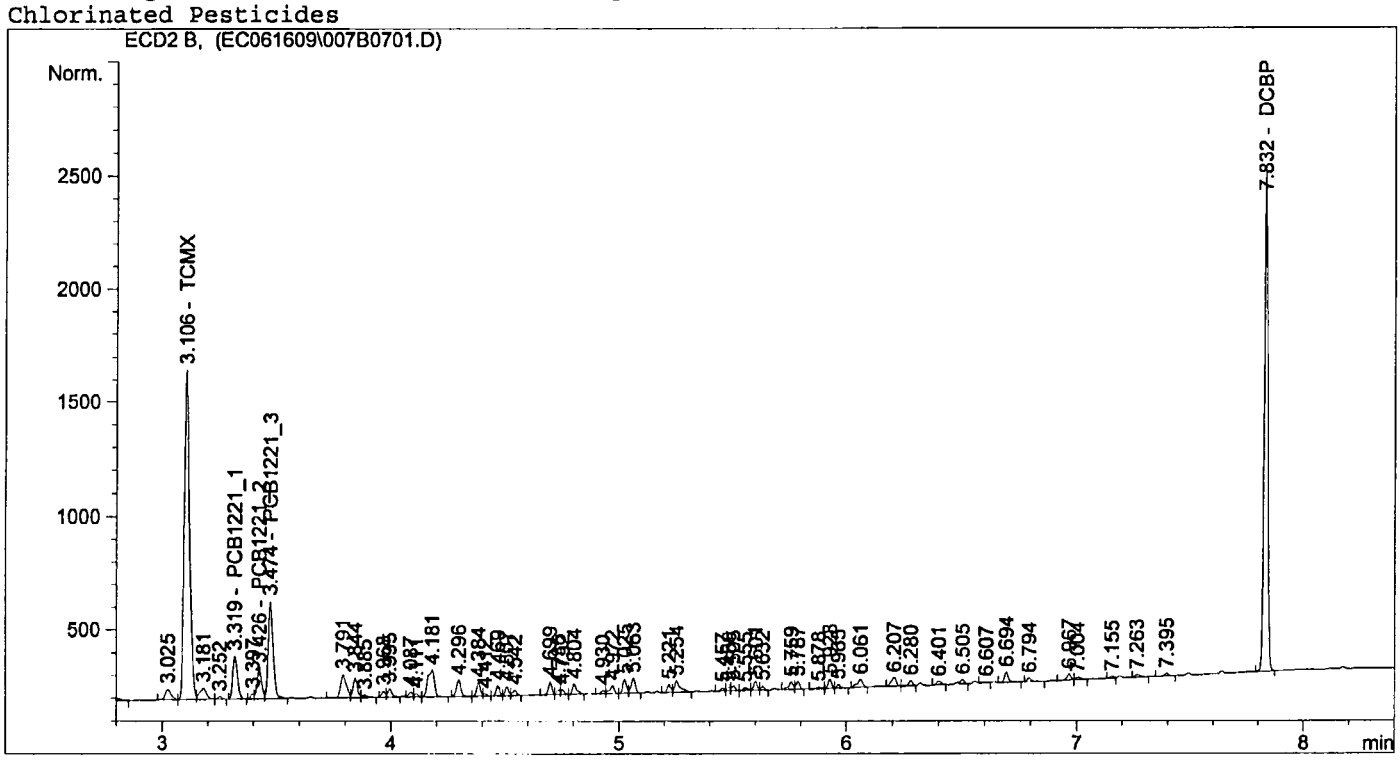
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6381.74414	7.25673e-3	46.31061		TCMX
3.319	BB	666.22327	7.19528e-1	479.36598		PCB1221_1
3.426	VV	442.76440	1.10070	487.35039		PCB1221_2
3.474	VV	1580.27002	3.00317e-1	474.58204		PCB1221_3
6.890		-	-	-		DBC
7.828	BB	6373.09912	7.20499e-3	45.91812		DCBP
Totals :				1533.52714		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   7
Sample Name     : A1221 x200 ICAL                Location : Vial 7
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

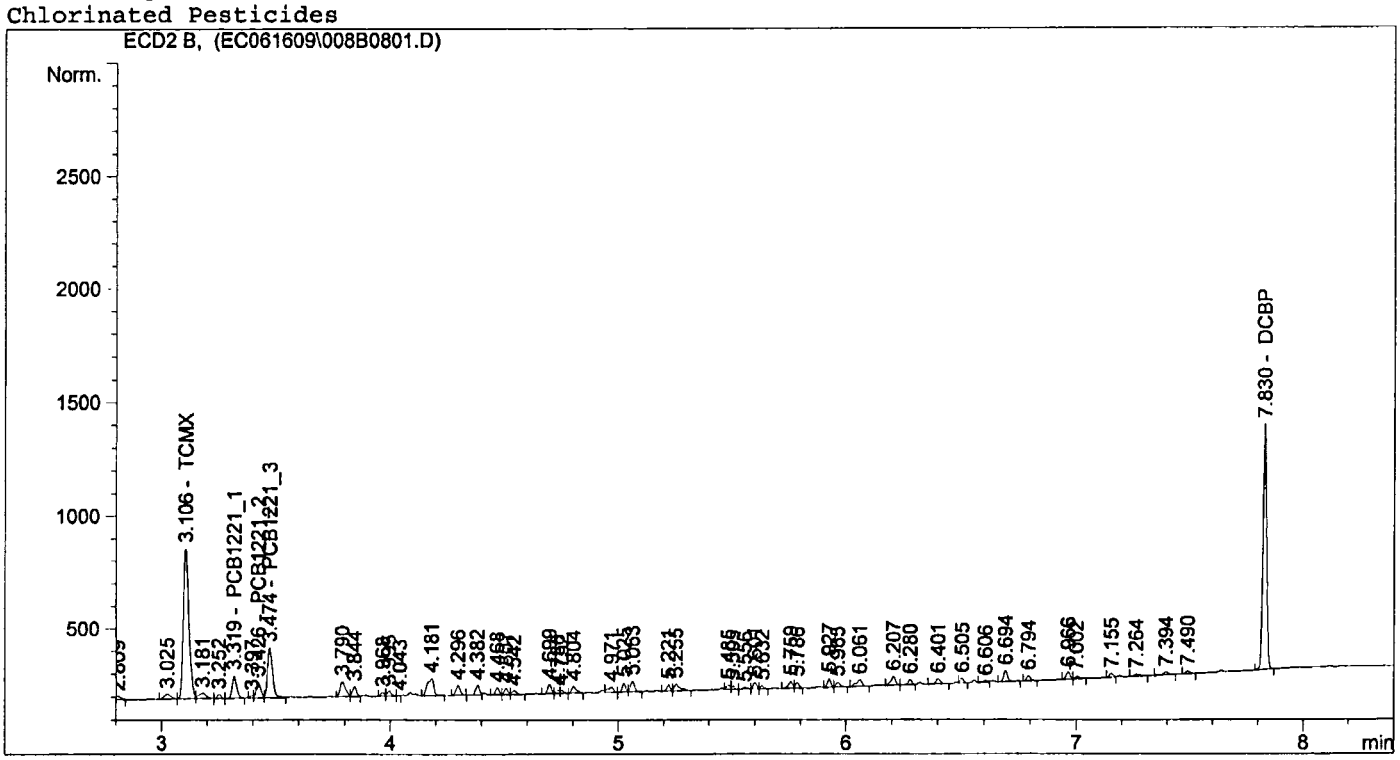
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2397.96655	8.34823e-3	20.01878		TCMX
3.319	BB	275.84152	7.50762e-1	207.09131		PCB1221_1
3.426	VV	187.95406	1.09628	206.05115		PCB1221_2
3.474	VB	654.39117	3.13155e-1	204.92564		PCB1221_3
6.890		-	-	-		DBC
7.832	BB	2483.32471	8.19260e-3	20.34488		DCBP
Totals :				658.43176		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:10:48 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

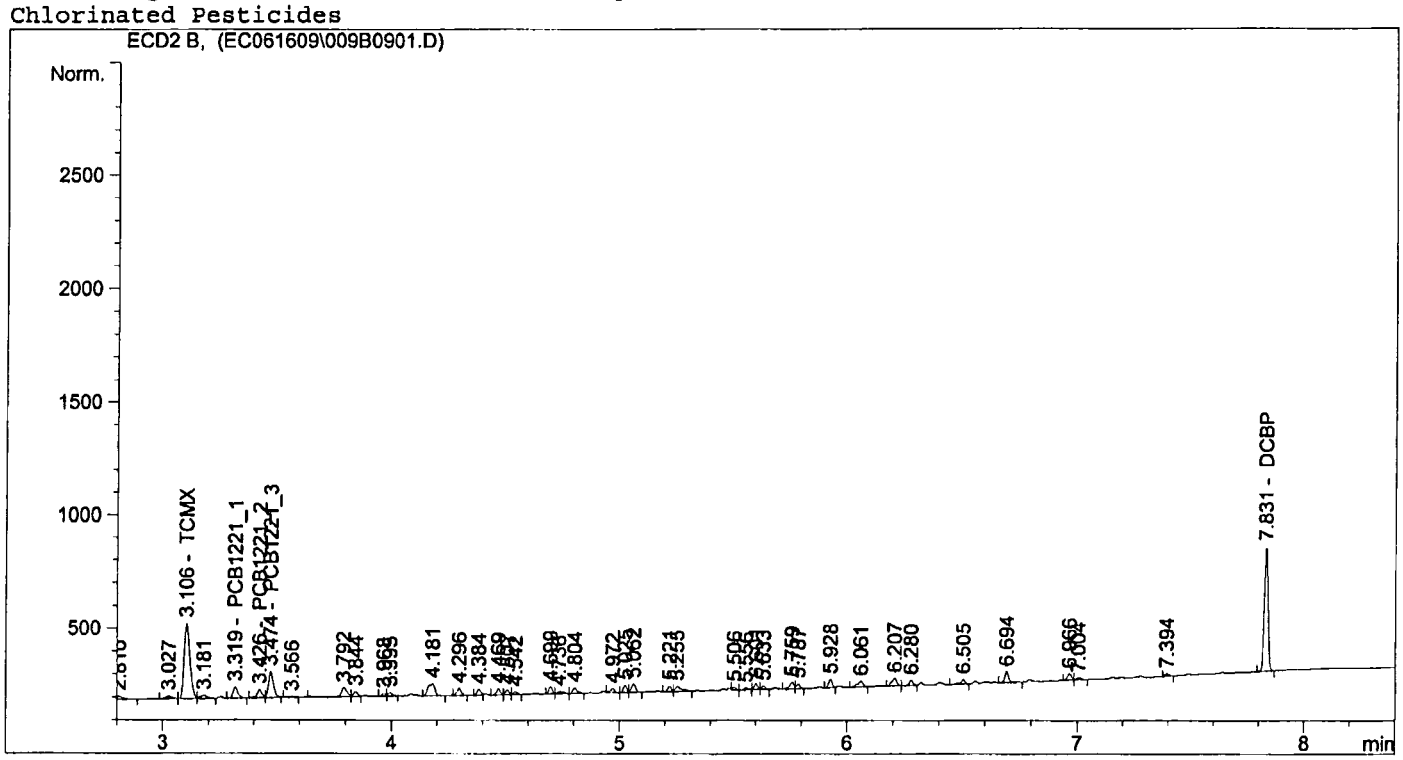
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1131.83484	1.03042e-2	11.66266		TCMX
3.319	VB	134.81822	8.06520e-1	108.73355		PCB1221_1
3.426	VV	93.75131	1.08858	102.05553		PCB1221_2
3.474	VB	334.08362	3.34162e-1	111.63808		PCB1221_3
6.890		-	-	-		DBC
7.830	BB	1227.84082	9.84715e-3	12.09073		DCBP
Totals :				346.18055		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:23:47 PM          Seq. Line :   9
Sample Name     : A1221 x40 ICAL                 Location : Vial 9
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	558.09558	1.41125e-2	7.87614		TCMX
3.319	VB	68.25873	9.12867e-1	62.31113		PCB1221_1
3.426	BV	54.14932	1.07733	58.33671		PCB1221_2
3.474	VB	171.69986	3.74752e-1	64.34483		PCB1221_3
6.890		-	-	-		DBC
7.831	BB	623.81079	1.30160e-2	8.11955		DCBP

BWS
6.17.09

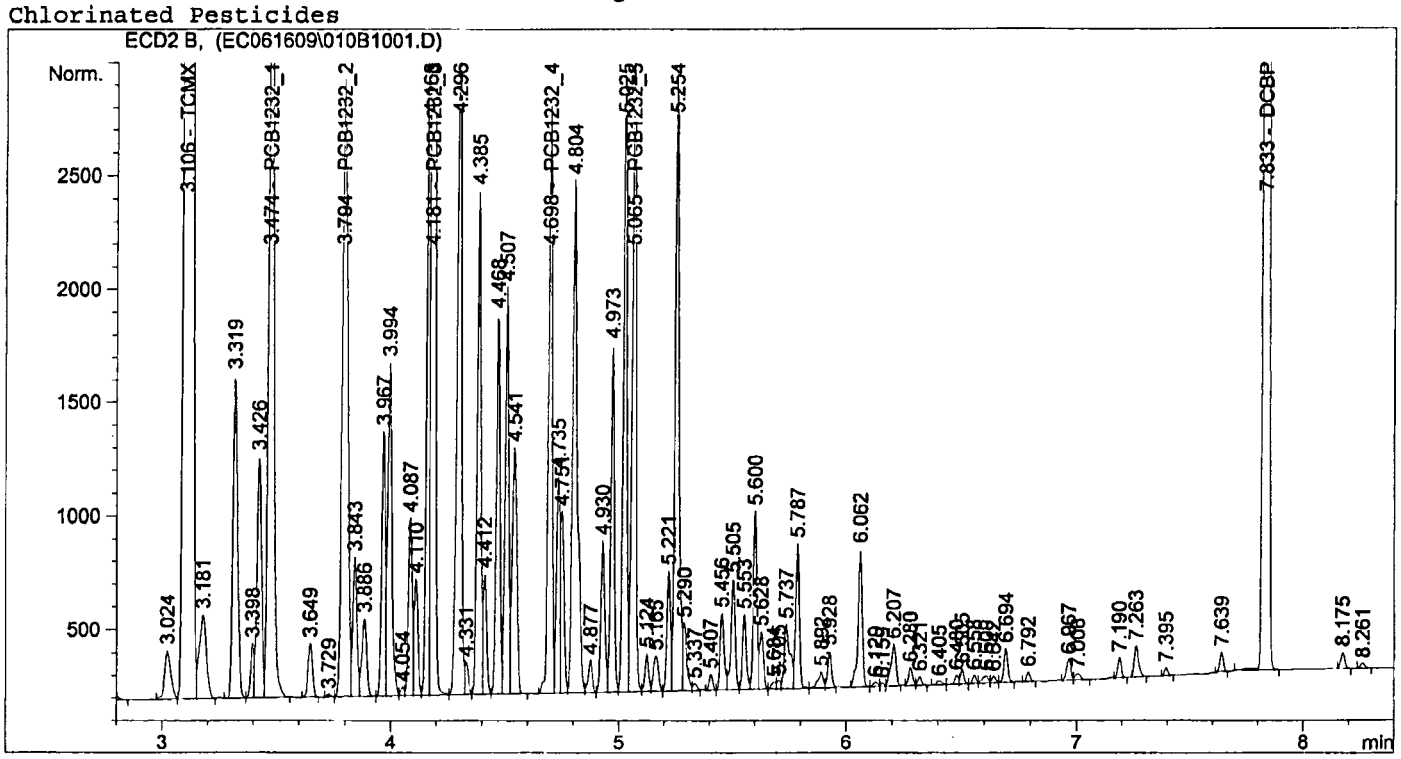
Totals : 200.98835

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 4:36:37 PM          Seq. Line :  10
Sample Name     : A1232 x2000 ICAL               Location : Vial 10
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:21:24 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:21:22 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.07829e4	6.60592e-3	203.34925		TCMX
3.474	VB	5829.13086	3.47485e-1	2025.53436		PCB1232_1
3.794	VV	4788.60791	4.23154e-1	2026.31672		PCB1232_2
4.181	VV	7059.39648	2.64861e-1	1869.75795		PCB1232_3
4.698	PV	2918.44727	6.95111e-1	2028.64335		PCB1232_4
5.065	VV	3467.22461	5.85284e-1	2029.31203		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	3.08501e4	6.61224e-3	203.98829		DCBP

BWS
6-17-09

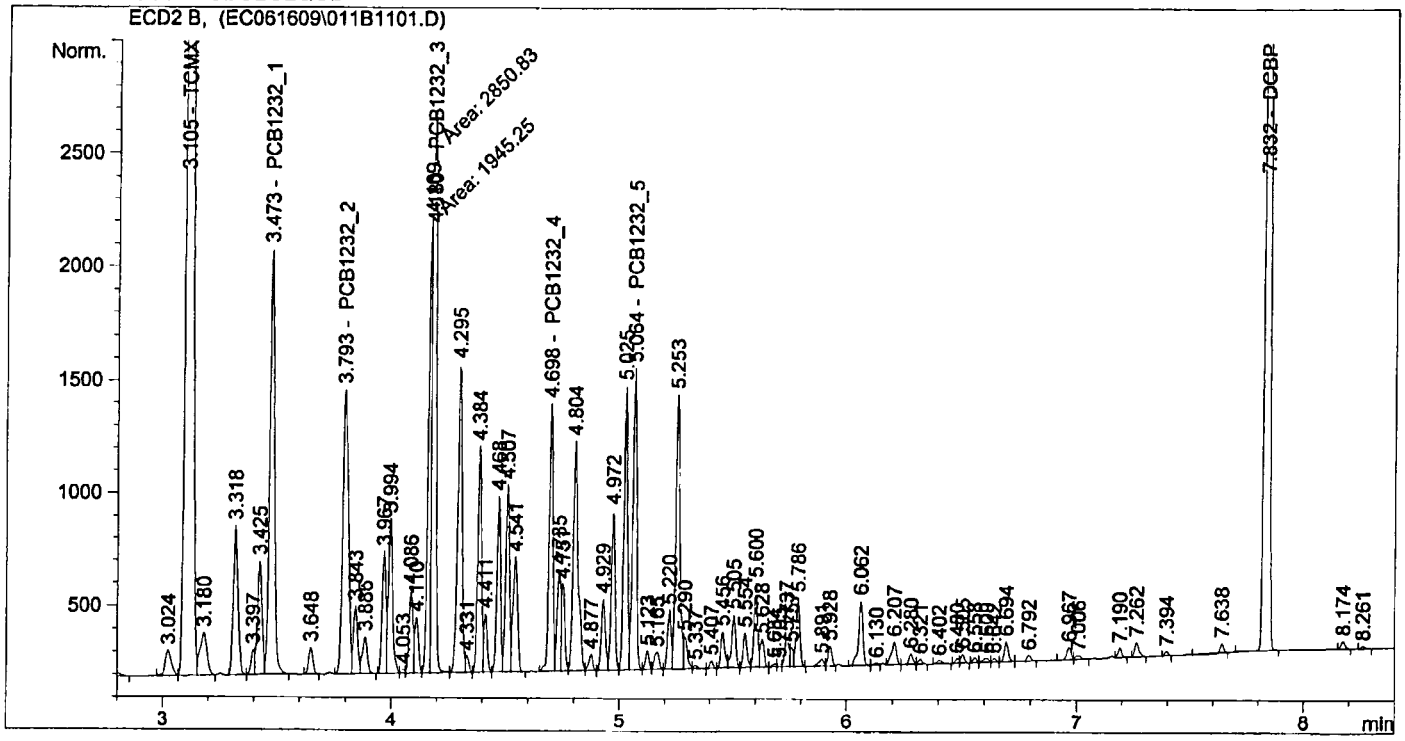
Totals : 1.03869e4

Results obtained with enhanced integrator!
1 Warnings or Errors :

Data File C:\HPCHEM\1\DATA\EC061609\011B1101.D

Injection Date	: 6/16/2009 4:49:25 PM	Seq. Line :	11
Sample Name	: A1232 x1000 ICAL	Location :	Vial 11
Acq. Operator	: BWS	Inj :	1
		Inj Volume :	1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M		
Last changed	: 6/17/2009 10:22:06 AM by BWS (modified after loading)		

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:22:04 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	1.38047e4	6.81644e-3	94.09862		TCMX
3.473	VB	2691.67798	3.52963e-1	950.06210		PCB1232_1
3.793	VV	2218.20874	4.27105e-1	947.40858		PCB1232_2
4.180	FM	2850.83032	2.82281e-1	804.73630		PCB1232_3
4.698	PV	1341.82825	7.04198e-1	944.91323		PCB1232_4
5.064	VV	1594.22424	5.92052e-1	943.86407		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	1.36127e4	6.81968e-3	92.83438		DCBP

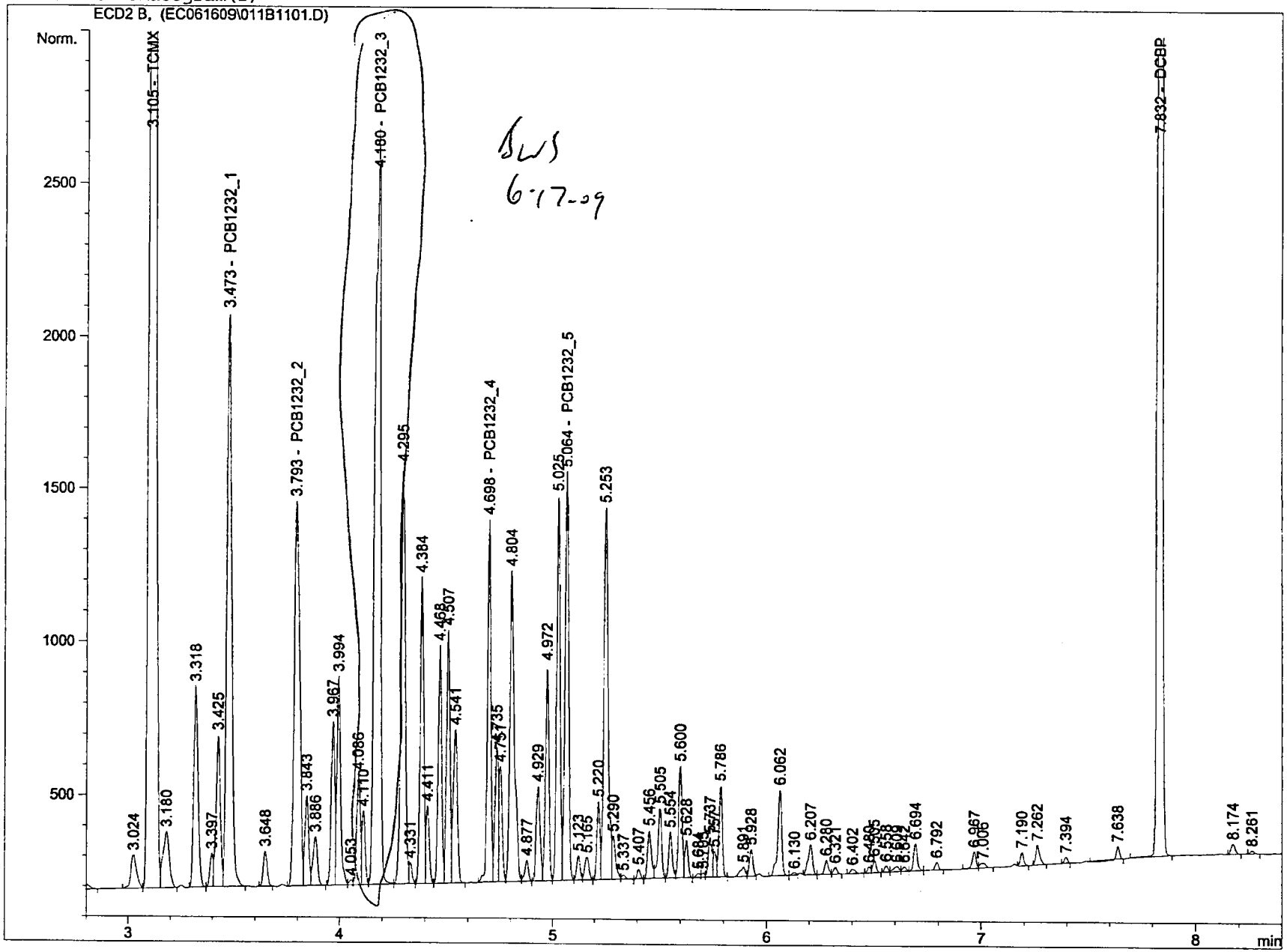
Totals : 4777.91728

BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:22:06 AM BWS

Print of window 38: Current Chromatogram(s)

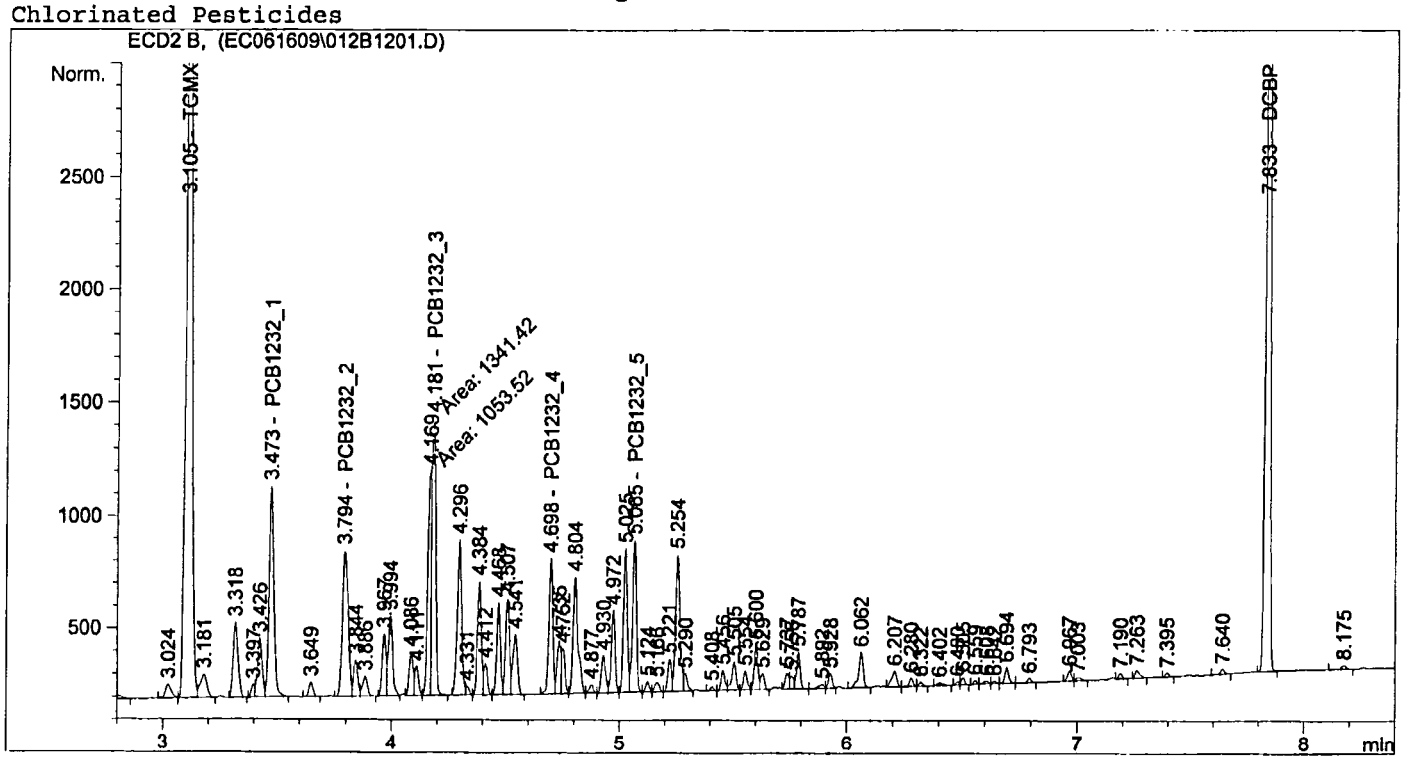


ECD2 6/17/2009 10:21:43 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\012B1201.D

```
==================================================================
Injection Date  : 6/16/2009 5:02:18 PM          Seq. Line :  12
Sample Name     : A1232 x500 ICAL                Location : Vial 12
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:22:55 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:22:52 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

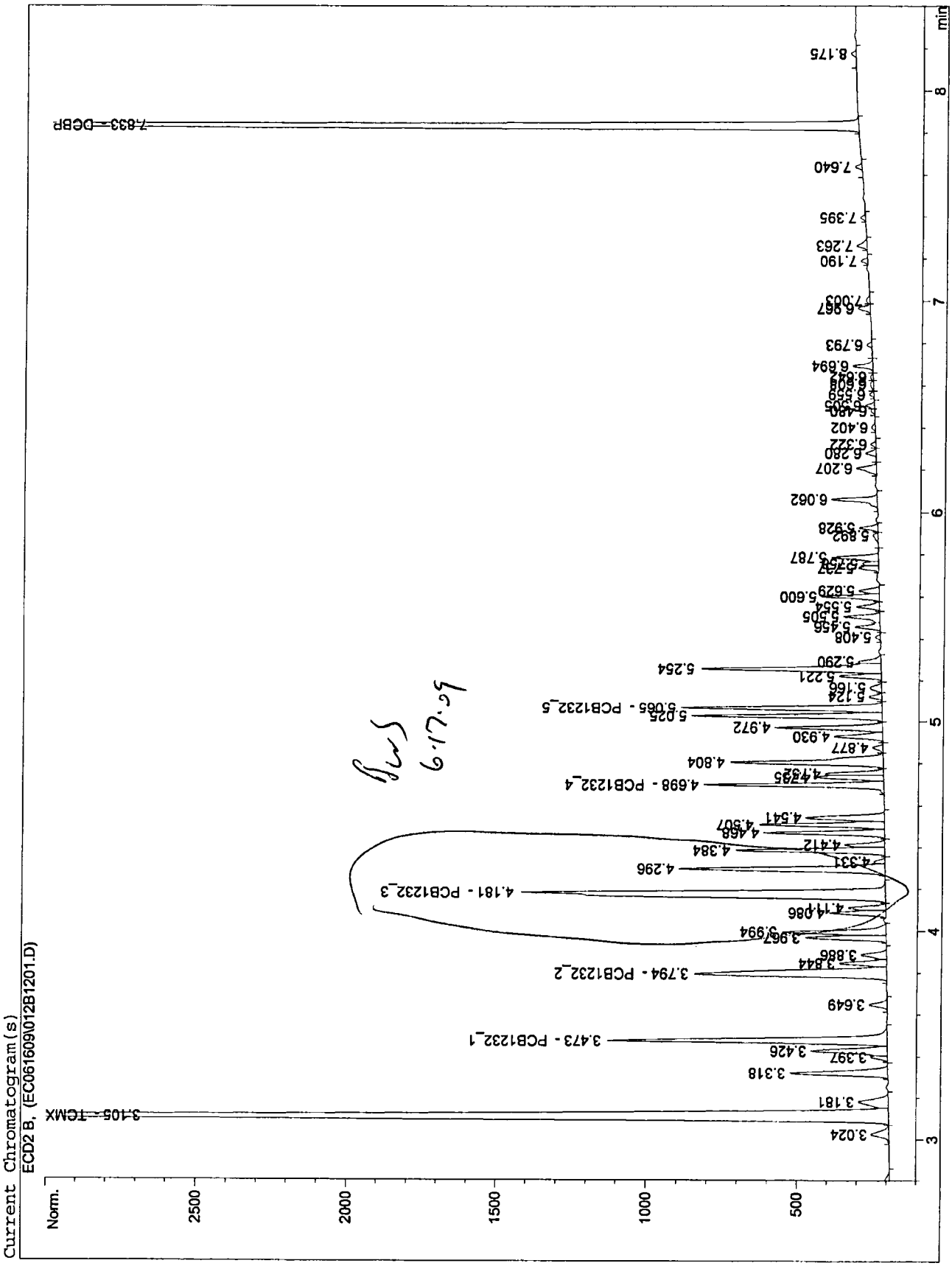
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	6693.57910	7.22193e-3	48.34053		TCMX
3.473	VB	1370.64856	3.62772e-1	497.23283		PCB1232_1
3.794	VV	1150.08057	4.33942e-1	499.06881		PCB1232_2
4.181	FM	1341.41992	3.06857e-1	411.62403		PCB1232_3
4.698	BV	687.42407	7.20213e-1	495.09149		PCB1232_4
5.065	VV	817.45380	6.03957e-1	493.70725		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	6673.33350	7.20574e-3	48.08628		DCBP

BWS
6.17.09

Totals : 2493.15122

Results obtained with enhanced integrator!
1 Warnings or Errors :

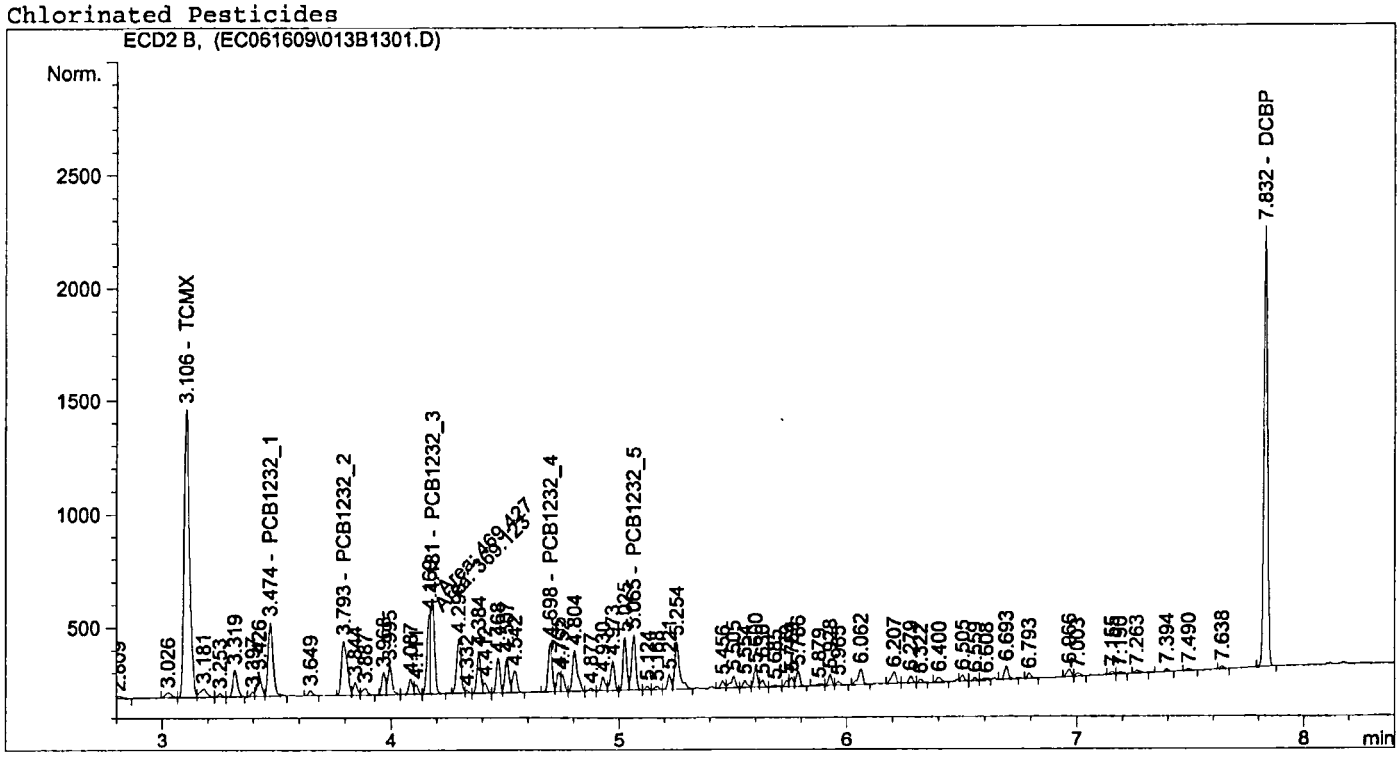
ECD2 6/17/2009 10:22:55 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\012B1201.D)
Norm.
2500
2000
1500
1000
500
3.024
3.105 - TCMX
3.181
3.318
3.397
3.426
3.473 - PCB1232_1
3.649
3.794 - PCB1232_2
3.844
3.886
3.967
3.994
4.086
4.181 - PCB1232_3
4.296
4.331
4.384
4.412
4.468
4.507
4.541
4.698 - PCB1232_4
4.735
4.802
4.804
4.877
4.930
4.972
5.025
5.065 - PCB1232_5
5.124
5.166
5.221
5.254
5.290
5.408
5.455
5.505
5.554
5.600
5.629
5.787
5.892
5.928
6.062
6.207
6.280
6.322
6.402
6.480
6.505
6.559
6.608
6.642
6.694
6.793
6.867
7.003
7.190
7.263
7.395
7.640
7.833 - DCBP
8.175
min
3
4
5
6
7
8

Data File C:\HPCHEM\1\DATA\EC061609\013B1301.D

```
==================================================================
Injection Date  : 6/16/2009 5:15:06 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:23:32 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:23:30 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2110.25537	8.93160e-3	18.84795		TCMX
3.474	VB	486.65030	3.99078e-1	194.21135		PCB1232_1
3.793	BV	427.34033	4.57957e-1	195.70335		PCB1232_2
4.181	FM	469.42694	3.87568e-1	181.93497		PCB1232_3
4.698	PV	247.69260	7.78508e-1	192.83062		PCB1232_4
5.065	VB	301.99167	6.45663e-1	194.98477		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	2197.49219	8.74824e-3	19.22420		DCBP

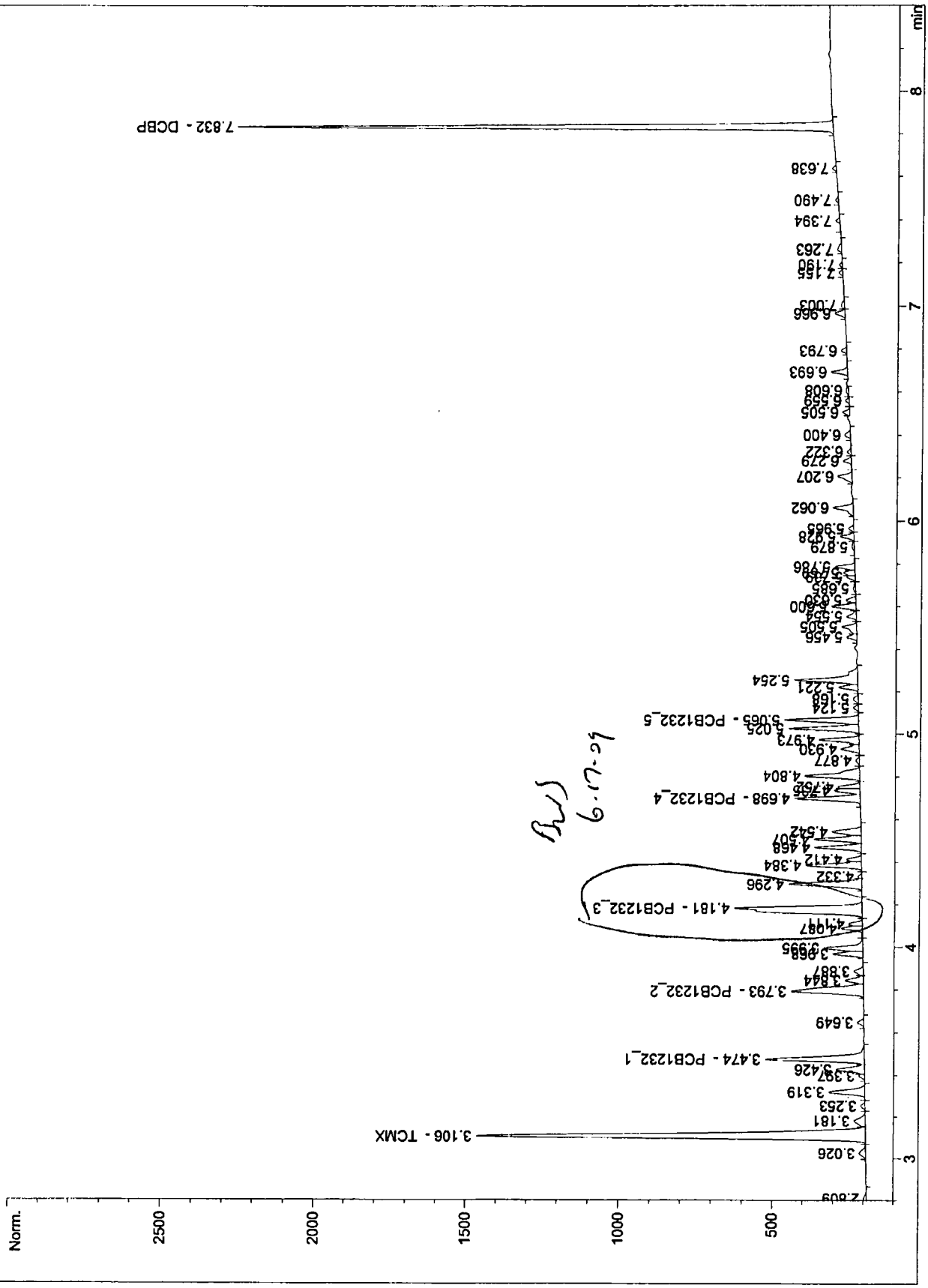
BWS
6.17.09

Totals : 997.73721

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:23:32 AM BWS

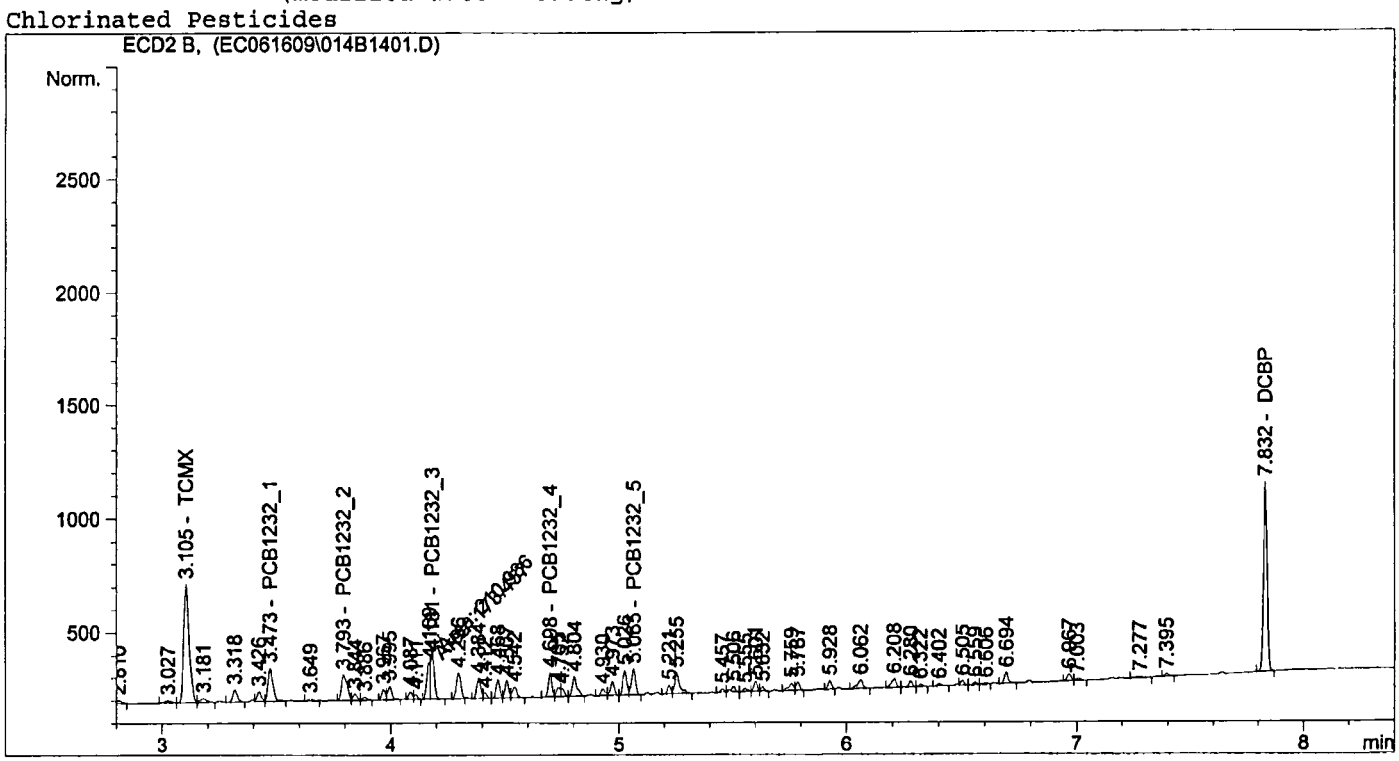
Current Chromatogram(s)
ECD2 B, (EC061609\013B1301.D)



6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\014B1401.D

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  14
Sample Name     : A1232 x100 ICAL                Location : Vial 14
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:24:15 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:13 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	860.78107	1.25559e-2	10.80789		TCMX
3.473	VB	216.28876	4.69444e-1	101.53543		PCB1232_1
3.793	BV	200.24164	5.01295e-1	100.38017		PCB1232_2
4.181	FM	210.98586	5.72392e-1	120.76666		PCB1232_3
4.698	BV	116.21473	8.81608e-1	102.45588		PCB1232_4
5.065	VV	142.00189	7.20180e-1	102.26692		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	938.60114	1.18329e-2	11.10635		DCBP
Totals :				549.31928		

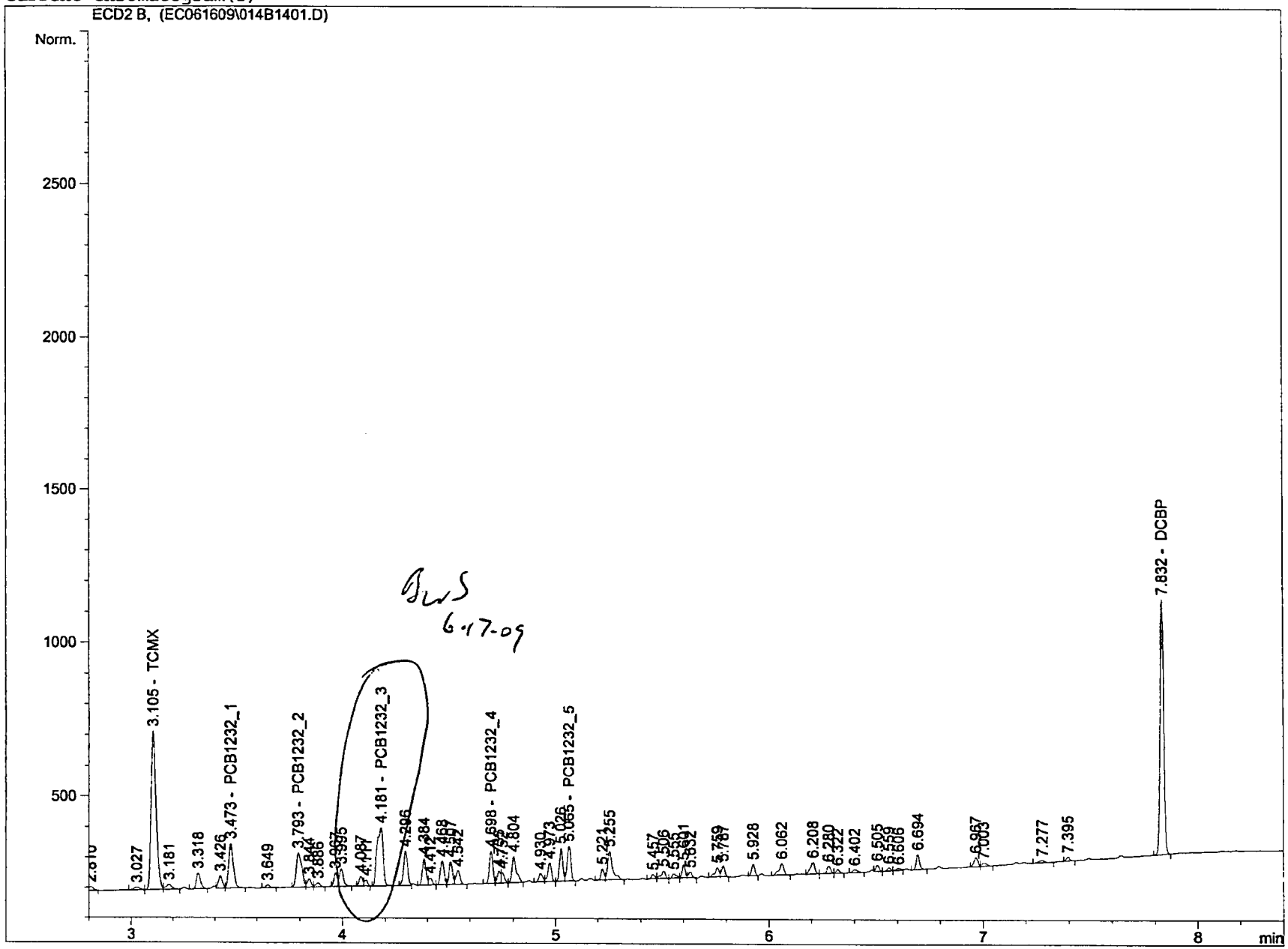
BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :
```

ECD2 6/17/2009 10:24:15 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

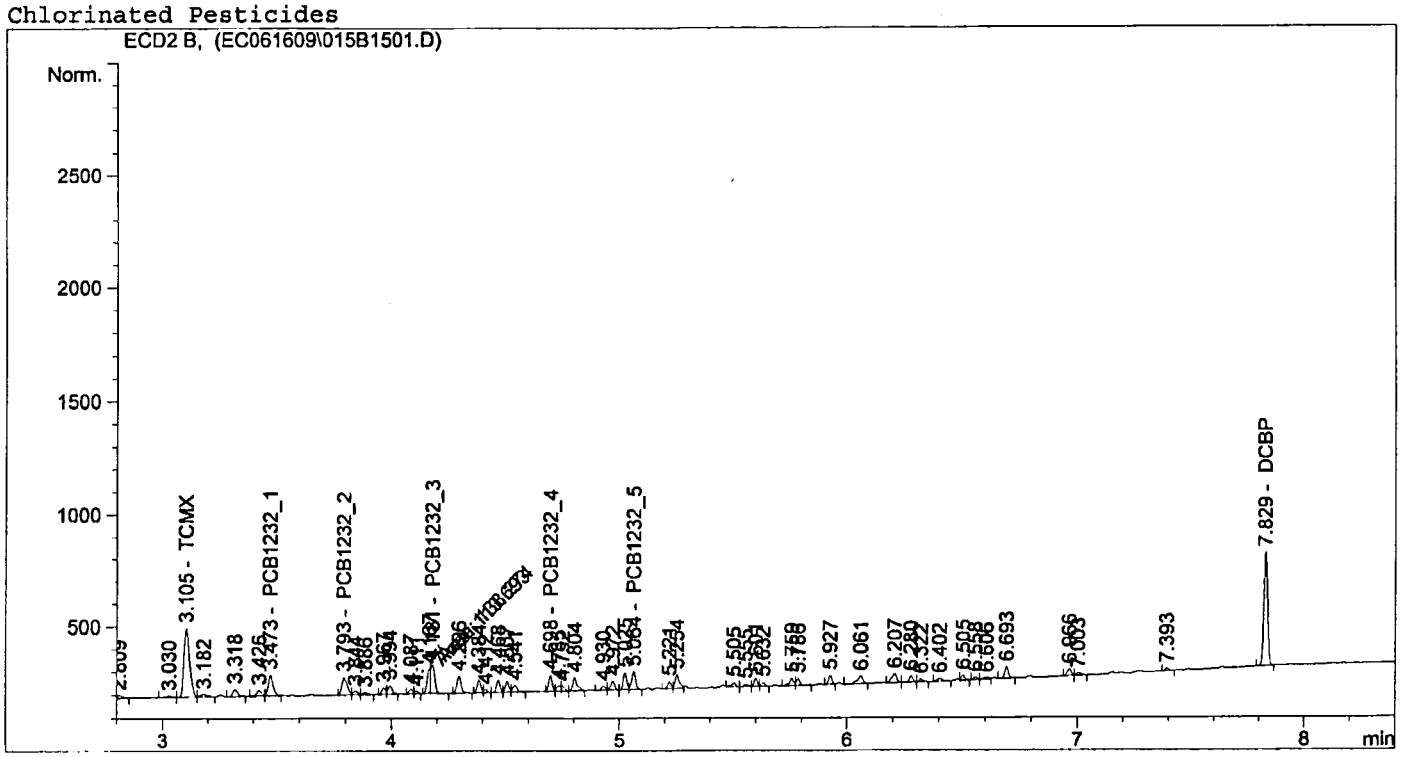


ECD2 6/17/2009 10:23:55 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\015B1501.D

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  15
Sample Name     : A1232 x40 ICAL                 Location : Vial 15
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:25:01 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	510.78622	1.67502e-2	8.55576		TCMX
3.473	VB	128.44514	5.56066e-1	71.42394		PCB1232_1
3.793	BV	130.53764	5.44842e-1	71.12238		PCB1232_2
4.181	FM	138.27422	7.88967e-1	109.09385		PCB1232_3
4.698	BV	77.82170	9.77432e-1	76.06543		PCB1232_4
5.064	VV	96.44386	7.86623e-1	75.86496		PCB1232_5
6.889		-	-	-		DBC
7.829	BB	574.81494	1.52406e-2	8.76050		DCBP

BWS
6-17-09

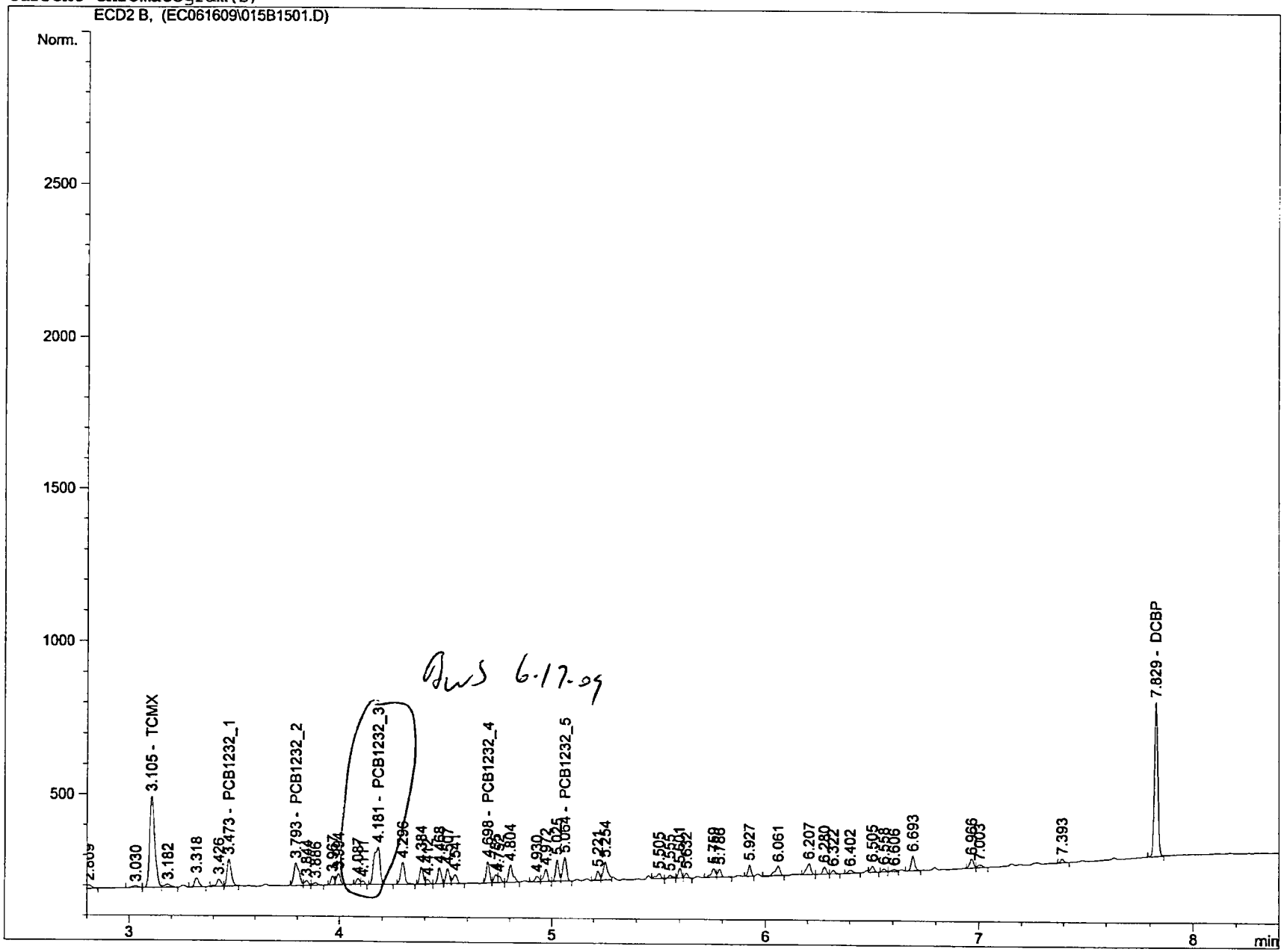
Totals : 420.88682

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:25:01 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)



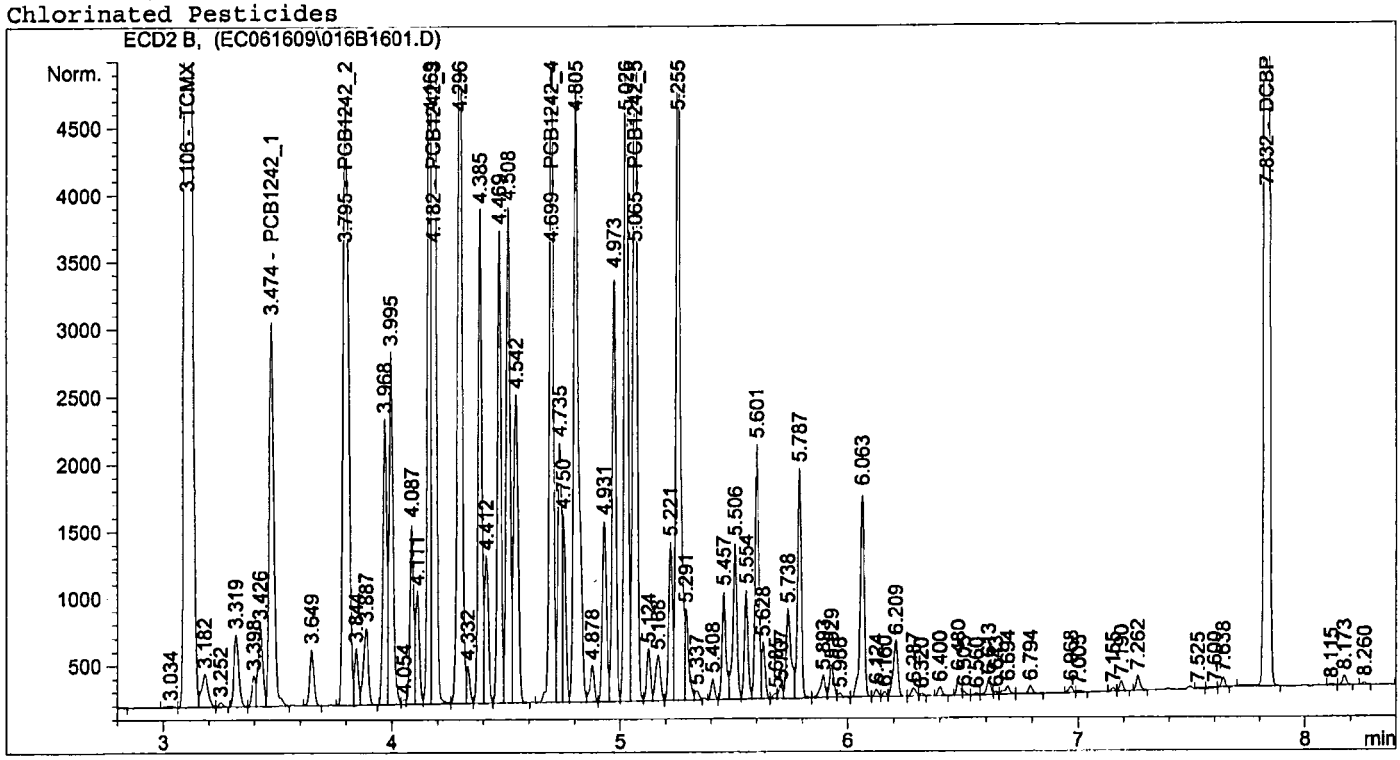
ECD2 6/17/2009 10:24:40 AM BWS

==========

Injection Date : 6/16/2009 5:53:50 PM
Sample Name : A1242 x2000 ICAL
Acq. Operator : BWS

Seq. Line : 16
Location : Vial 16
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2.92767e4	6.85742e-3	200.76221		TCMX
3.474	VV	3962.70728	5.03467e-1	1995.09090		PCB1242_1
3.795	VV	7946.29199	2.51169e-1	1995.86526		PCB1242_2
4.182	VV	1.24689e4	1.59461e-1	1988.29808		PCB1242_3
4.699	VV	5915.20605	3.38749e-1	2003.76734		PCB1242_4
5.065	VV	7151.57080	2.80370e-1	2005.08372		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2.90941e4	6.91610e-3	201.21788		DCBP

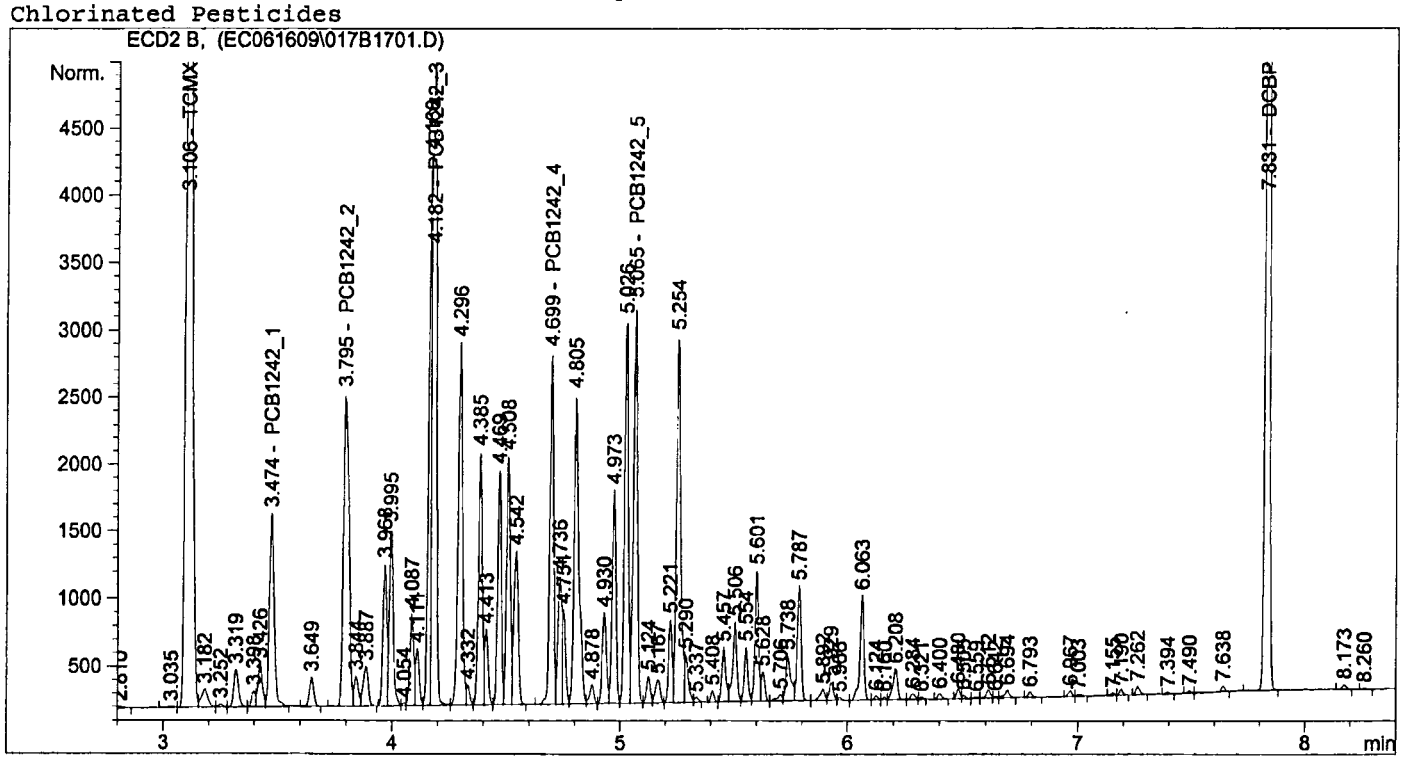
Totals : 1.03901e4

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:06:49 PM          Seq. Line :  17
Sample Name     : A1242 x1000 ICAL               Location : Vial 17
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.43929e4	6.97046e-3	100.32491		TCMX
3.474	VV	2033.83032	5.02091e-1	1021.16886		PCB1242_1
3.795	BV	4071.44067	2.50321e-1	1019.16534		PCB1242_2
4.182	VV	6488.69141	1.60779e-1	1043.24213		PCB1242_3
4.699	VV	2958.26978	3.40681e-1	1007.82652		PCB1242_4
5.065	VV	3563.59204	2.82173e-1	1005.54971		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	1.41855e4	7.01620e-3	99.52838		DCBP

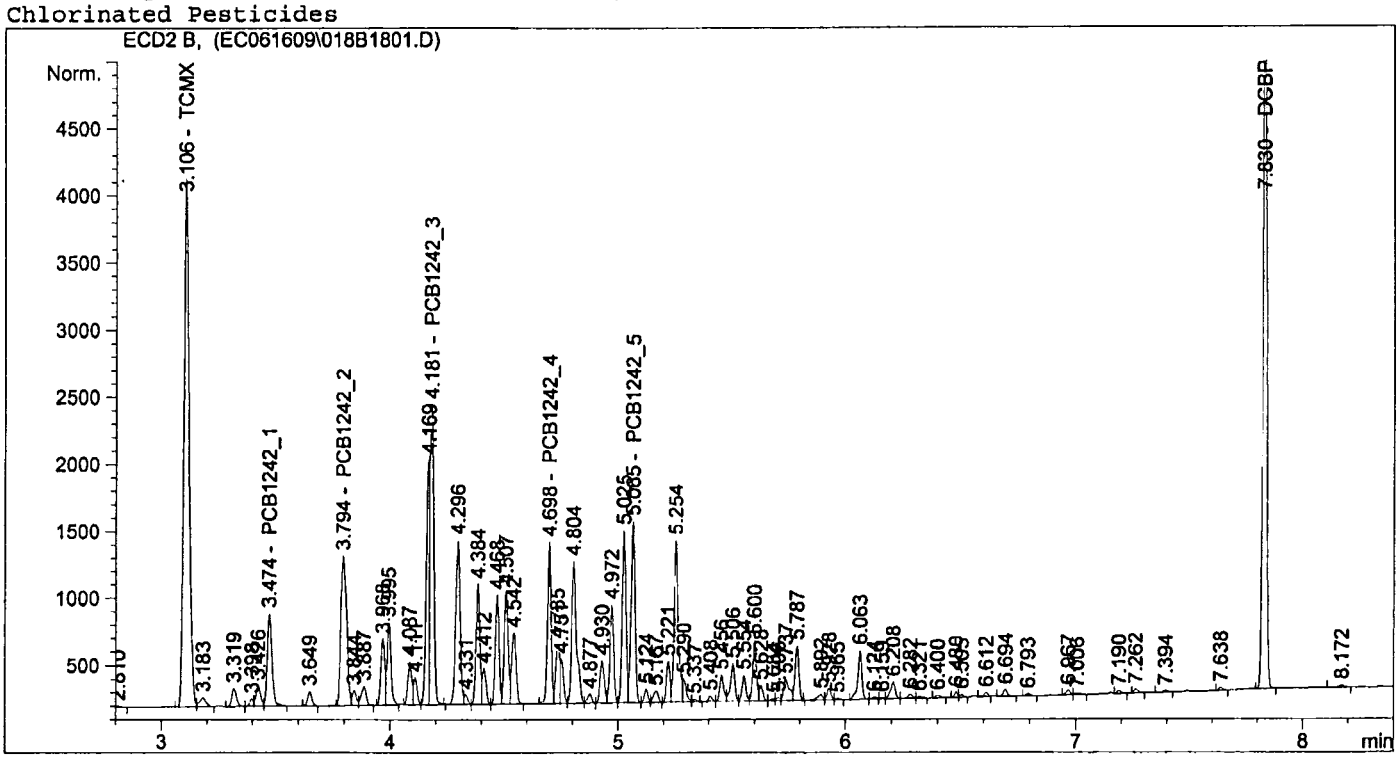
BWS
6-17-09

Totals : 5296.80584

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:19:35 PM          Seq. Line :  18
Sample Name     : A1242 x500 ICAL                Location : Vial 18
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

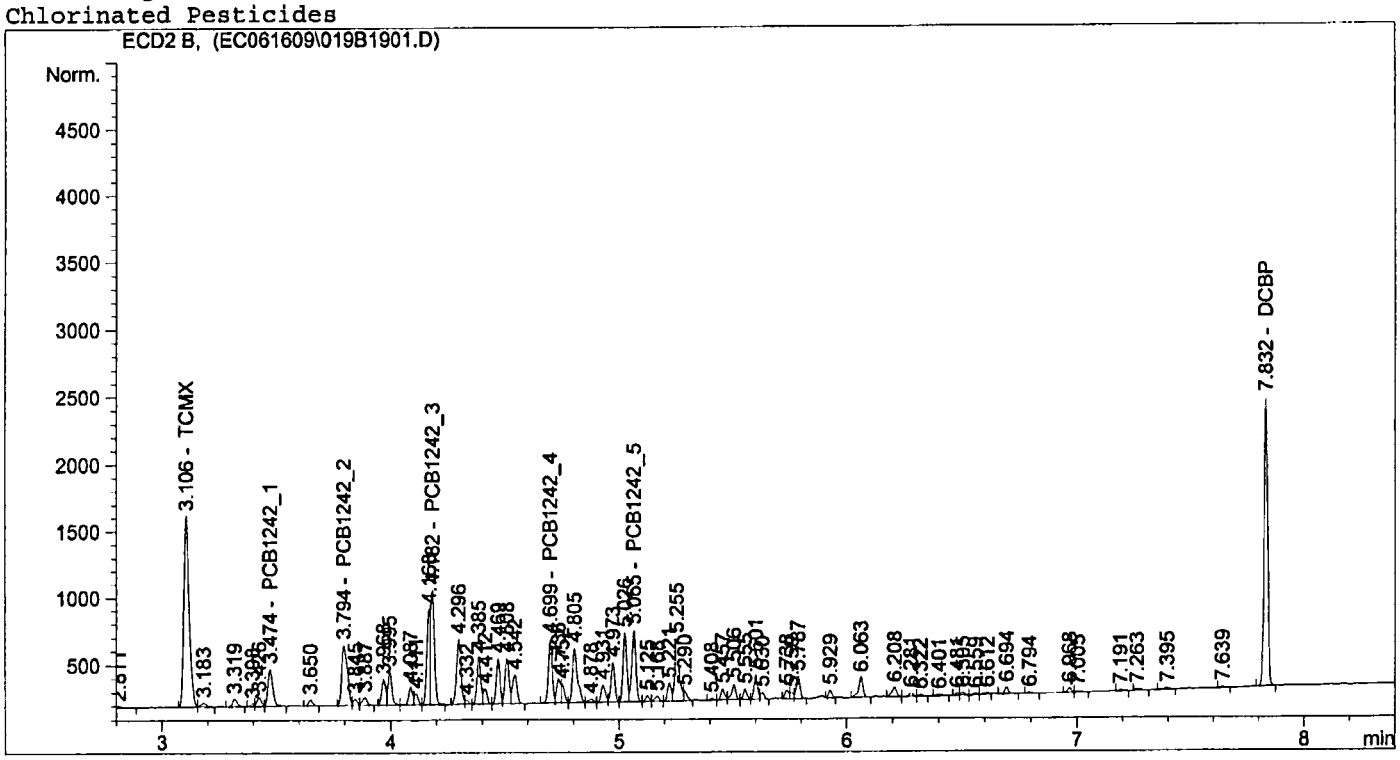
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6394.96143	7.24856e-3	46.35427		TCMX
3.474	VB	960.01599	4.98931e-1	478.98215		PCB1242_1
3.794	BV	1938.76562	2.48406e-1	481.60057		PCB1242_2
4.181	VB	2829.96143	1.64330e-1	465.04890		PCB1242_3
4.698	BV	1360.82581	3.45219e-1	469.78325		PCB1242_4
5.065	VV	1634.49902	2.86415e-1	468.14573		PCB1242_5
6.888		-	-	-		DBC
7.830	BB	6329.30811	7.25866e-3	45.94230		DCBP
Totals :				2455.85717		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 6:32:31 PM          Seq. Line :  19
Sample Name     : A1242 x200 ICAL                Location : Vial 19
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	2328.82739	8.12237e-3	18.91559		TCMX
3.474	VB	395.39301	4.90385e-1	193.89462		PCB1242_1
3.794	BV	780.13617	2.42977e-1	189.55496		PCB1242_2
4.182	VB	1045.23547	1.75087e-1	183.00664		PCB1242_3
4.699	BV	536.12469	3.58147e-1	192.01145		PCB1242_4
5.065	VV	648.73181	2.98324e-1	193.53211		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2407.47168	7.97184e-3	19.19199		DCBP
Totals :				990.10736		

BWS
6-17-09

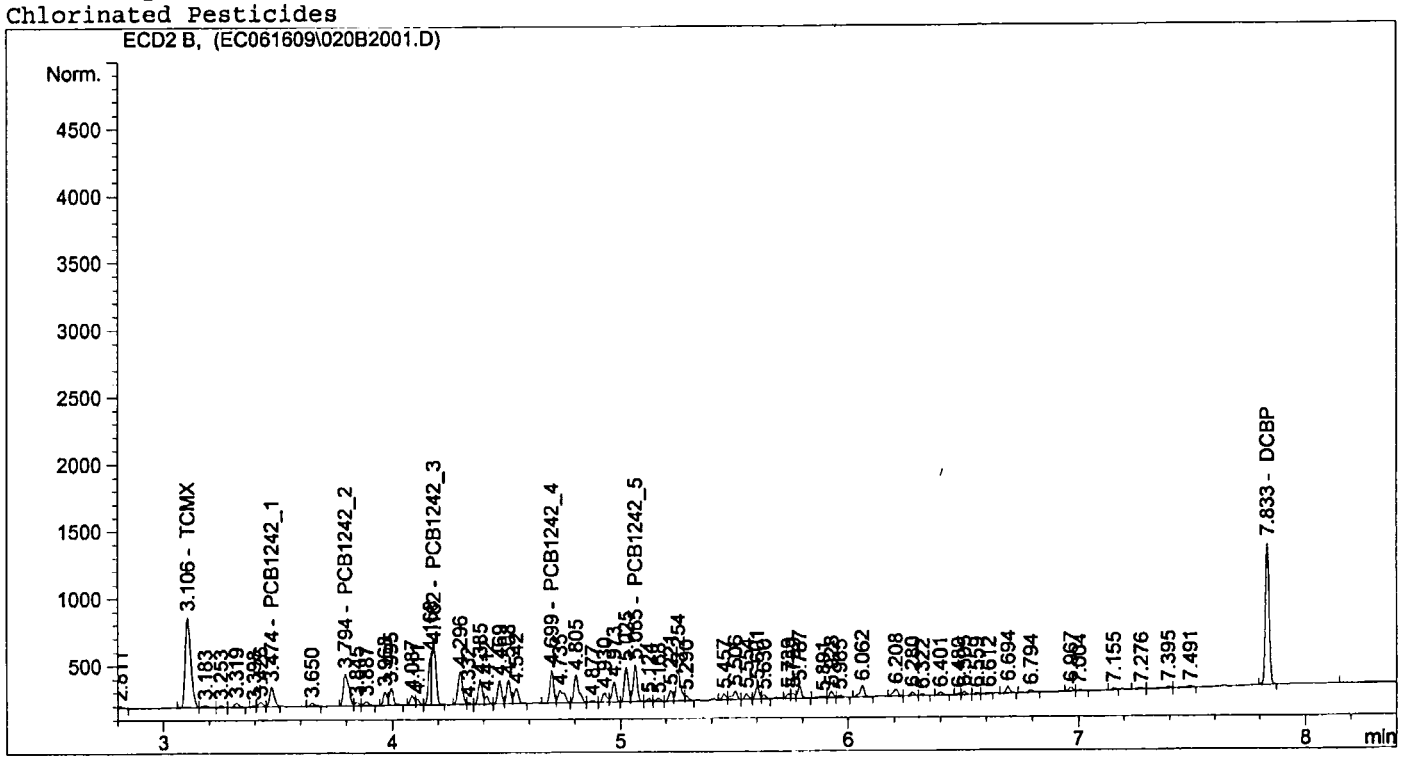
```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

==========

Injection Date : 6/16/2009 6:45:23 PM Seq. Line : 20
Sample Name : A1242 x100 ICAL Location : Vial 20
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1118.03540	9.61065e-3	10.74505		TCMX
3.474	VV	207.61044	4.77240e-1	99.08008		PCB1242_1
3.794	BV	414.28751	2.34954e-1	97.33869		PCB1242_2
4.182	VB	543.15674	1.90852e-1	103.66257		PCB1242_3
4.699	VV	276.82047	3.78129e-1	104.67387		PCB1242_4
5.065	VV	336.67703	3.16625e-1	106.60033		PCB1242_5
6.888		-	-	-		DBC
7.833	BB	1210.19702	9.11054e-3	11.02554		DCBP

Totals : 533.12613

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

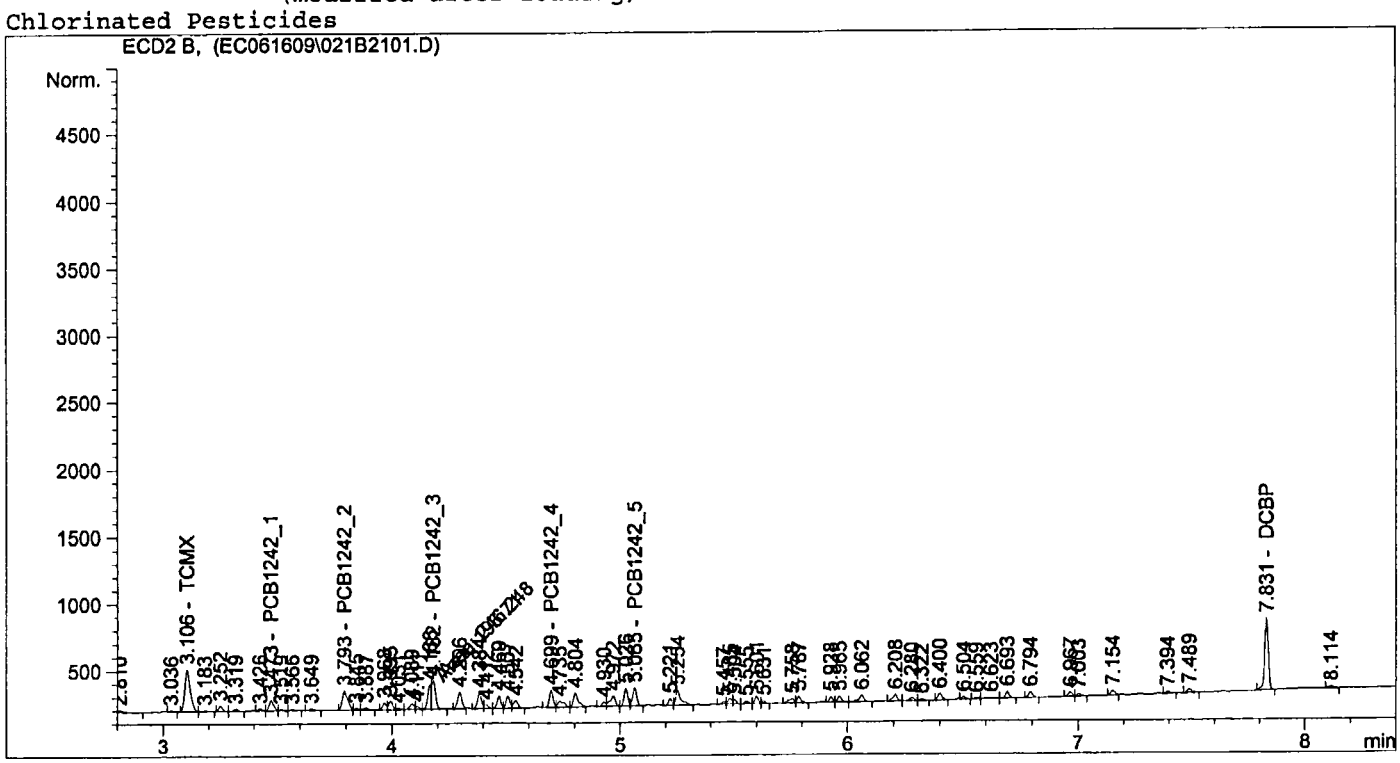
Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 6:58:15 PM Seq. Line : 21
Sample Name : A1242 x40 ICAL Location : Vial 21
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
(modified after loading)

Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	547.93732	1.25890e-2	6.89797		TCMX
3.473	VV	113.93815	4.54487e-1	51.78338		PCB1242_1
3.793	BV	252.17020	2.23957e-1	56.47519		PCB1242_2
4.182	FM	246.24762	2.30425e-1	56.74168		PCB1242_3
4.699	VV	149.93695	4.13091e-1	61.93758		PCB1242_4
5.065	VB	173.30504	3.52491e-1	61.08840		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	633.78406	1.11929e-2	7.09391		DCBP

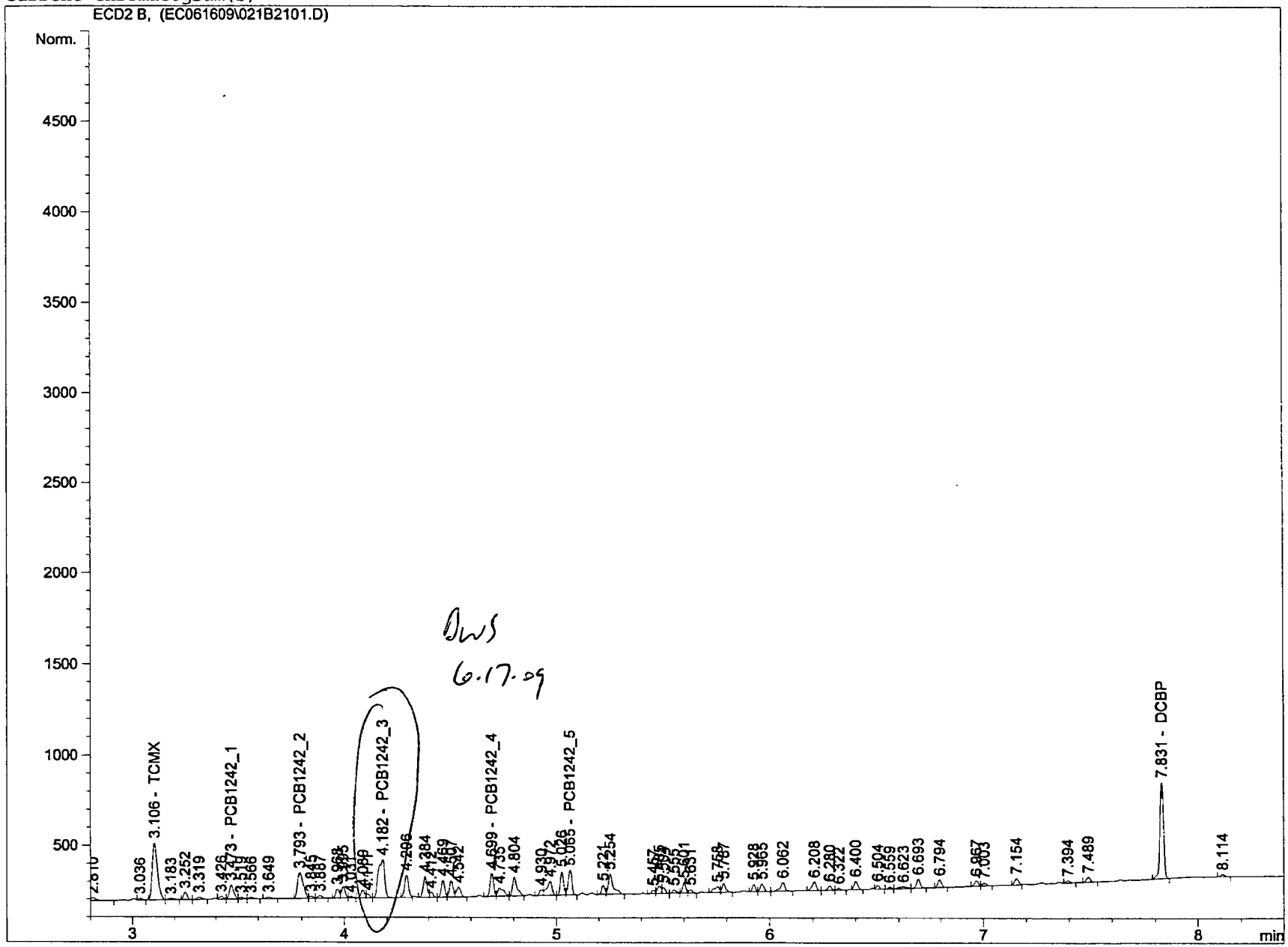
Totals : 302.01812

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)



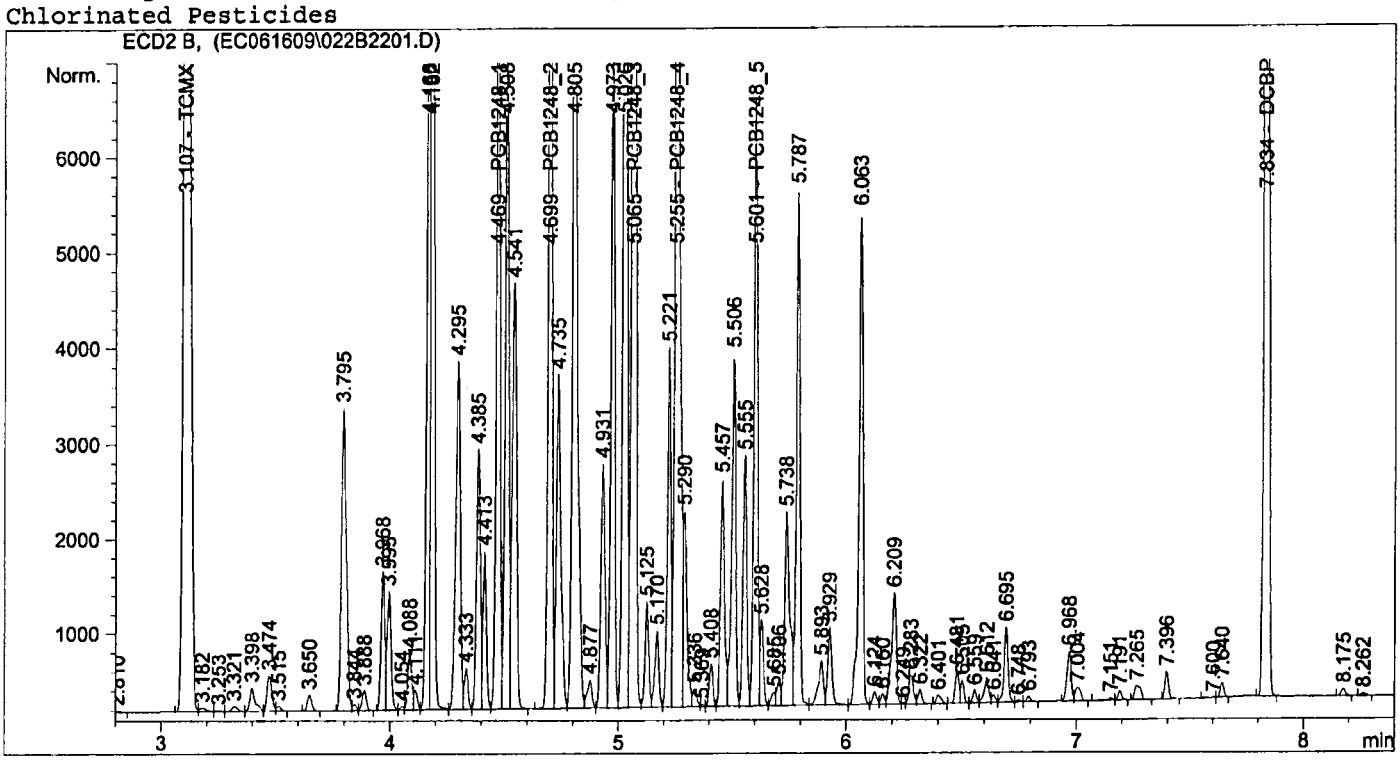
ECD2 6/17/2009 9:14:19 AM BWS

==========

Injection Date : 6/16/2009 7:11:15 PM
Sample Name : A1248 x2000 ICAL
Acq. Operator : BWS

Seq. Line : 22
Location : Vial 22
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	3.08251e4	6.58618e-3	203.01976		TCMX
4.469	VV	8806.67773	2.29913e-1	2024.77376		PCB1248_1
4.699	VV	1.18361e4	1.71744e-1	2032.77617		PCB1248_2
5.065	VV	1.71860e4	1.17833e-1	2025.08547		PCB1248_3
5.255	VV	1.71760e4	1.18112e-1	2028.69103		PCB1248_4
5.601	VV	7110.13770	2.85328e-1	2028.71889		PCB1248_5
6.887		-	-	-		DBC
7.834	VP	3.05506e4	6.65094e-3	203.19030		DCBP

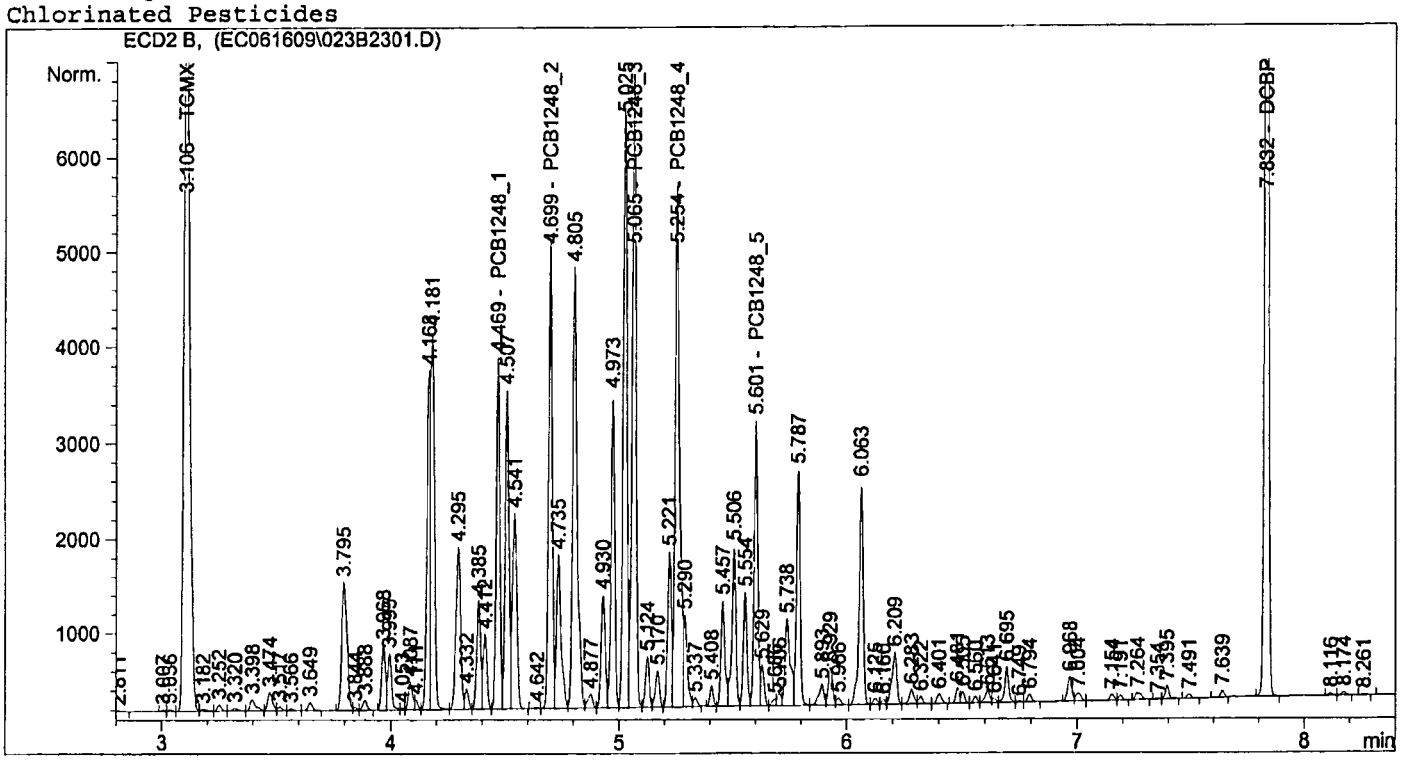
Totals : 1.05463e4

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 7:24:05 PM          Seq. Line :  23
Sample Name     : A1248 x1000 ICAL               Location : Vial 23
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.40913e4	6.80030e-3	95.82514		TCMX
4.469	VV	4111.20459	2.34822e-1	965.40007		PCB1248_1
4.699	VV	5394.39160	1.76085e-1	949.86968		PCB1248_2
5.065	VV	7994.77148	1.20778e-1	965.59574		PCB1248_3
5.254	VV	7896.04150	1.21496e-1	959.33850		PCB1248_4
5.601	VV	3272.71558	2.93019e-1	958.96702		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	1.39587e4	6.84358e-3	95.52761		DCBP

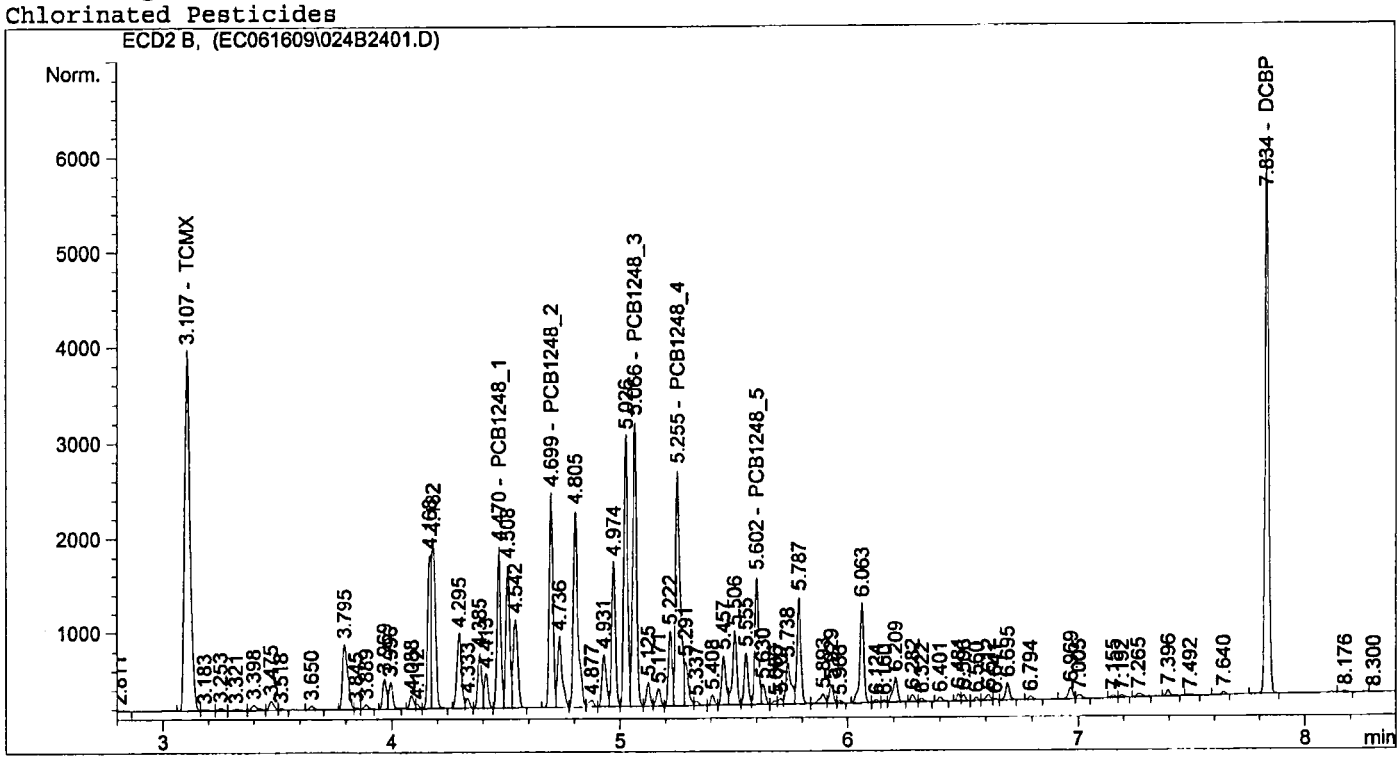
BWS
6.17.09

Totals : 4990.52377

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 7:37:02 PM          Seq. Line :  24
Sample Name     : A1248 x500 ICAL                Location : Vial 24
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                        External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	6300.57422	7.28801e-3	45.91865		TCMX
4.470	VV	1901.68494	2.45518e-1	466.89717		PCB1248_1
4.699	VV	2512.91968	1.85230e-1	465.46735		PCB1248_2
5.066	VV	3658.34595	1.27306e-1	465.72899		PCB1248_3
5.255	VV	3585.53442	1.29026e-1	462.62656		PCB1248_4
5.602	VV	1494.21899	3.09980e-1	463.17845		PCB1248_5
6.887		-	-	-		DBC
7.834	BB	6299.68750	7.27482e-3	45.82909		DCBP

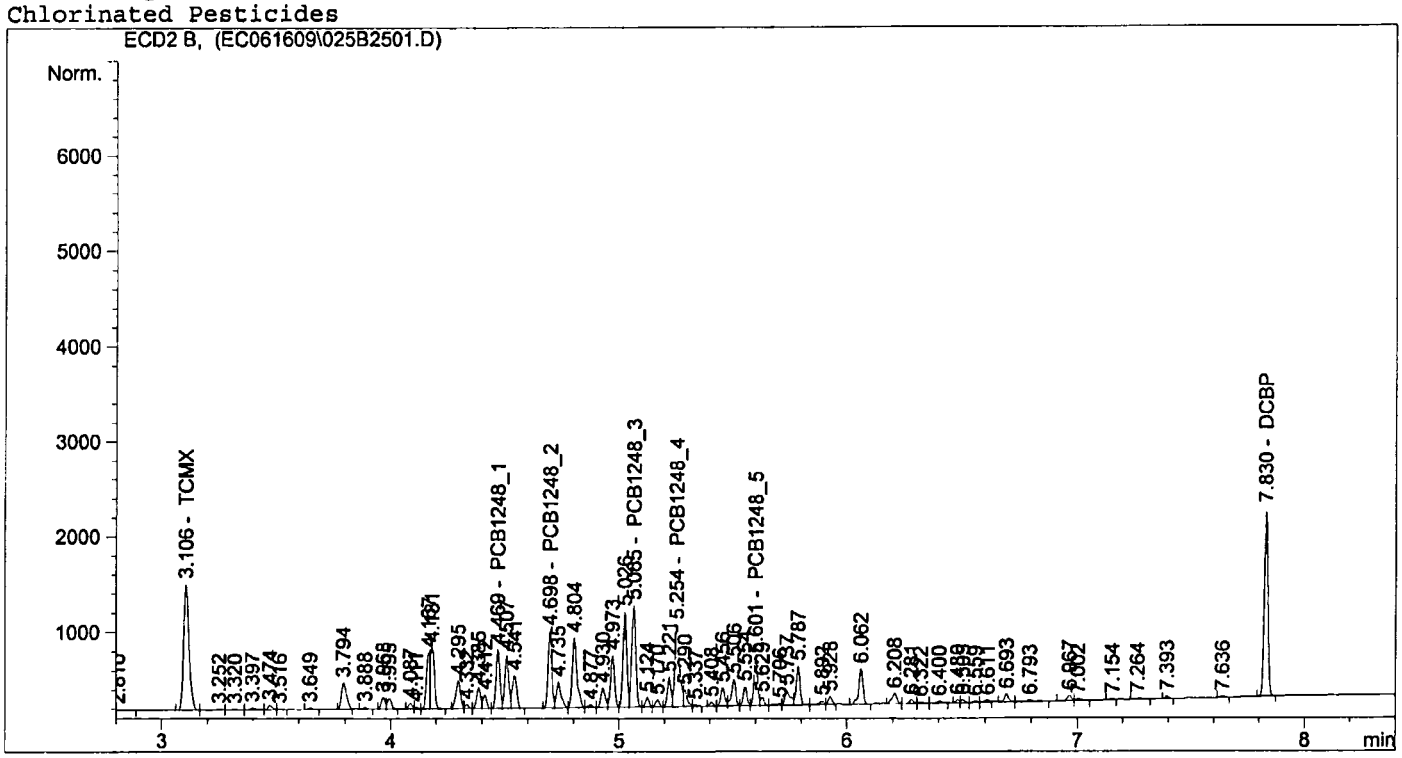
Totals : 2415.64627

BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 7:49:47 PM          Seq. Line :  25
Sample Name     : A1248 x200 ICAL                Location : Vial 25
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VB	2148.92798	8.99228e-3	19.32375		TCMX
4.469	VV	701.99823	2.79529e-1	196.22870		PCB1248_1
4.698	PV	905.80774	2.15605e-1	195.29683		PCB1248_2
5.065	VV	1303.56958	1.49045e-1	194.29013		PCB1248_3
5.254	VV	1268.16577	1.54230e-1	195.58961		PCB1248_4
5.601	VV	535.51013	3.65858e-1	195.92075		PCB1248_5
6.887		-	-	-		DBC
7.830	BB	2213.60352	8.72560e-3	19.31501		DCBP

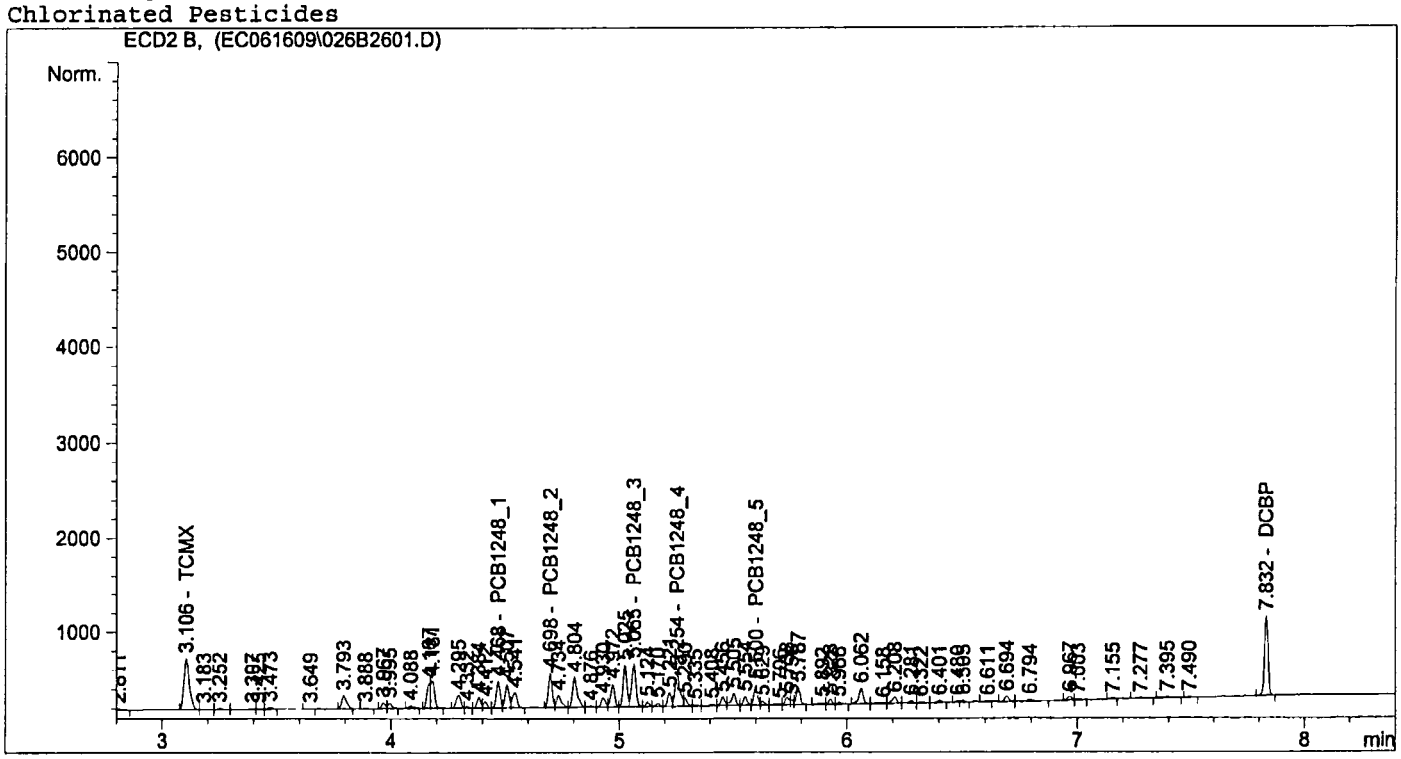
Totals : 1015.96479

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 8:02:36 PM          Seq. Line :  26
Sample Name     : A1248 x100 ICAL                Location : Vial 26
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	887.92737	1.26654e-2	11.24595		TCMX
4.468	VV	311.68481	3.47042e-1	108.16777		PCB1248_1
4.698	PV	390.62155	2.78247e-1	108.68922		PCB1248_2
5.065	VV	563.48987	1.93402e-1	108.97995		PCB1248_3
5.254	VV	539.59485	2.06885e-1	111.63432		PCB1248_4
5.600	VV	232.86835	4.79042e-1	111.55380		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	954.55786	1.16758e-2	11.14522		DCBP

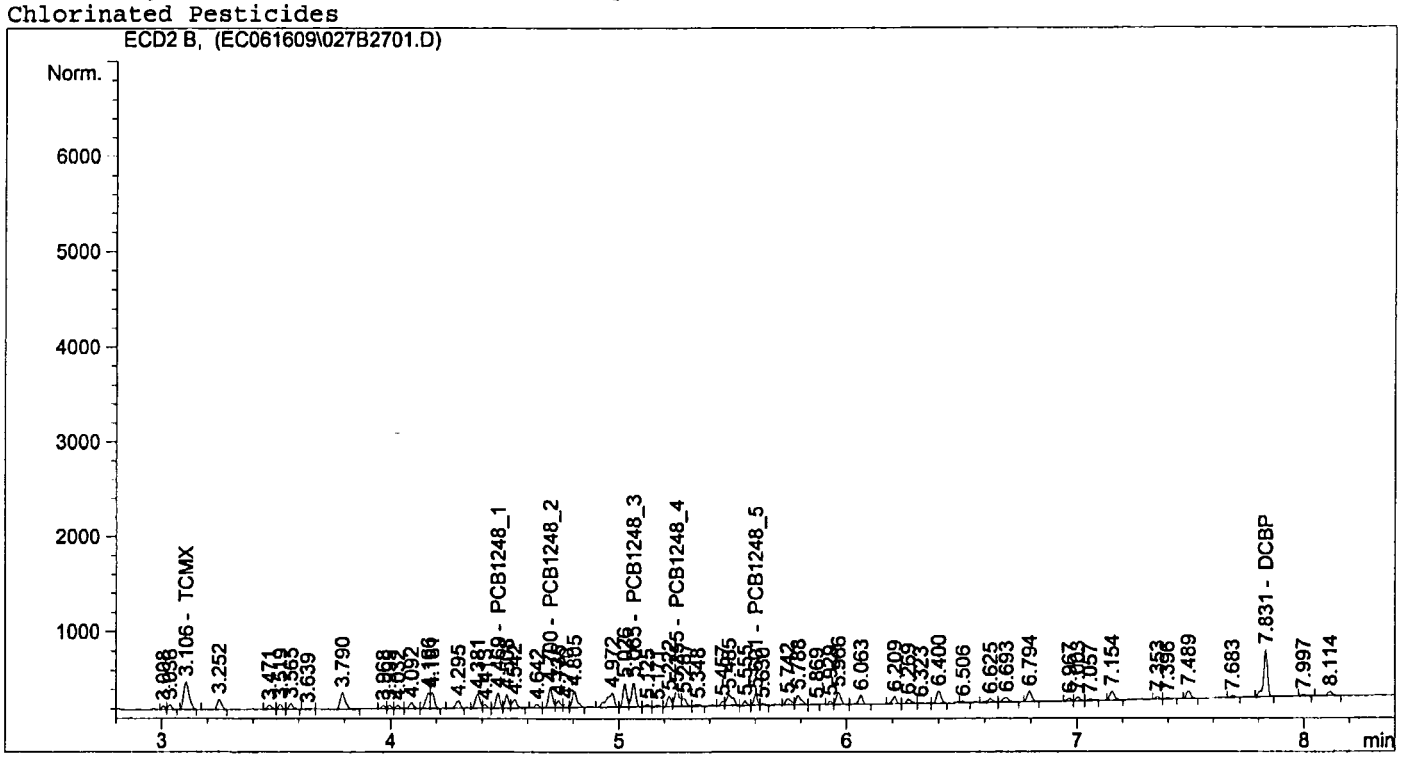
BWS
6.17.09

Totals : 571.41623

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 8:15:37 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BP	485.29697	1.78587e-2	8.66675		TCMX
4.469	VV	180.33220	4.35488e-1	78.53252		PCB1248_1
4.700	VV	266.96121	3.29264e-1	87.90076		PCB1248_2
5.065	VV	314.85751	2.55099e-1	80.31970		PCB1248_3
5.255	VV	283.46695	2.89699e-1	82.11997		PCB1248_4
5.601	VV	125.63702	6.49976e-1	81.66109		PCB1248_5
6.887		-	-	-		DBC
7.831	BB	622.84137	1.44383e-2	8.99276		DCBP

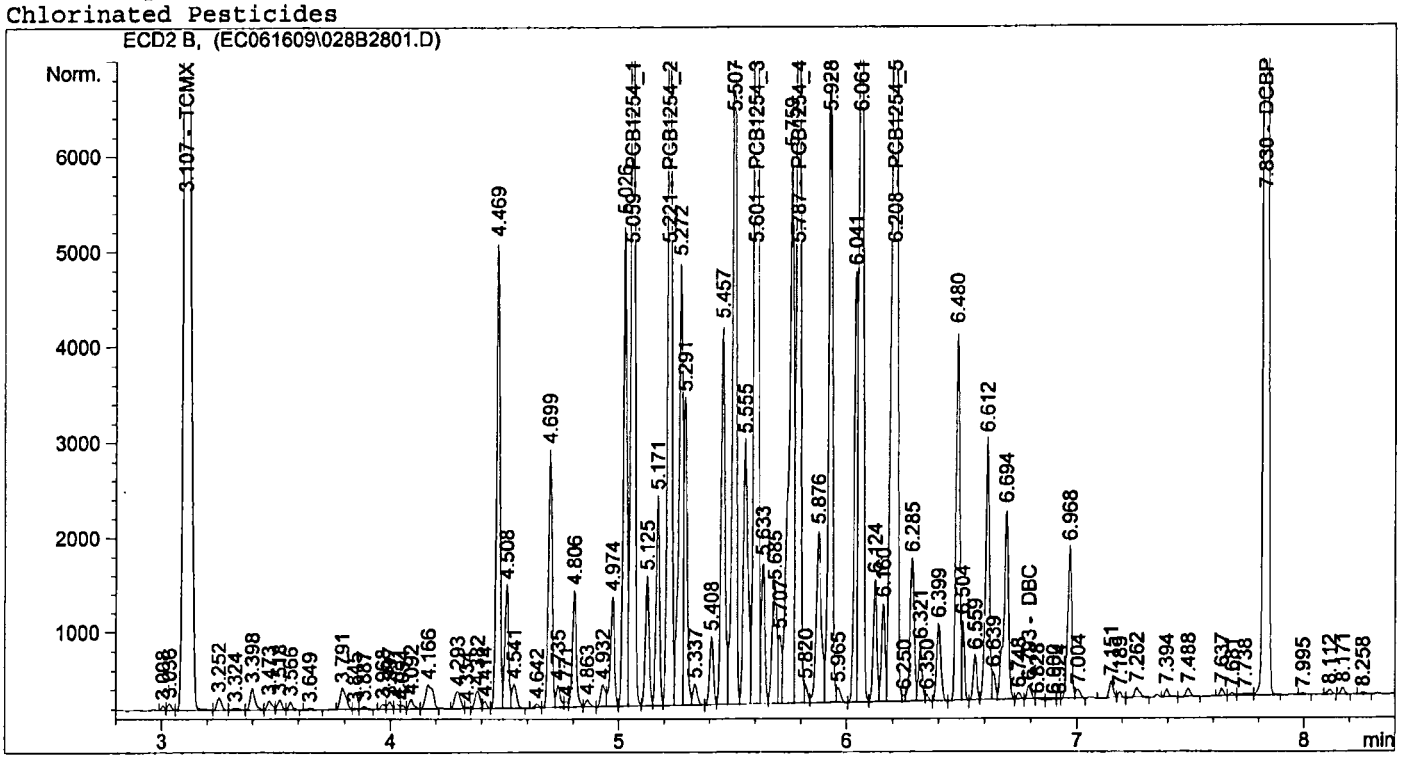
BWS
6-17-09

Totals : 428.19356

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 8:28:31 PM          Seq. Line :  28
Sample Name     : A1254 x2000 ICAL               Location : Vial 28
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VV	2.82617e4	7.07513e-3	199.95492		TCMX
5.059	VV	1.06647e4	1.87523e-1	1999.87699		PCB1254_1
5.221	VV	1.08727e4	1.79699e-1	1953.80746		PCB1254_2
5.601	VV	1.80251e4	1.10962e-1	2000.09376		PCB1254_3
5.787	VV	1.44171e4	1.38665e-1	1999.14940		PCB1254_4
6.208	VV	1.75004e4	1.12740e-1	1973.00287		PCB1254_5
6.793	VV	171.09821	0.00000	0.00000		DBC
7.830	VB	2.85947e4	7.03720e-3	201.22627		DCBP

Totals : 1.03271e4

BWS
6-17-09

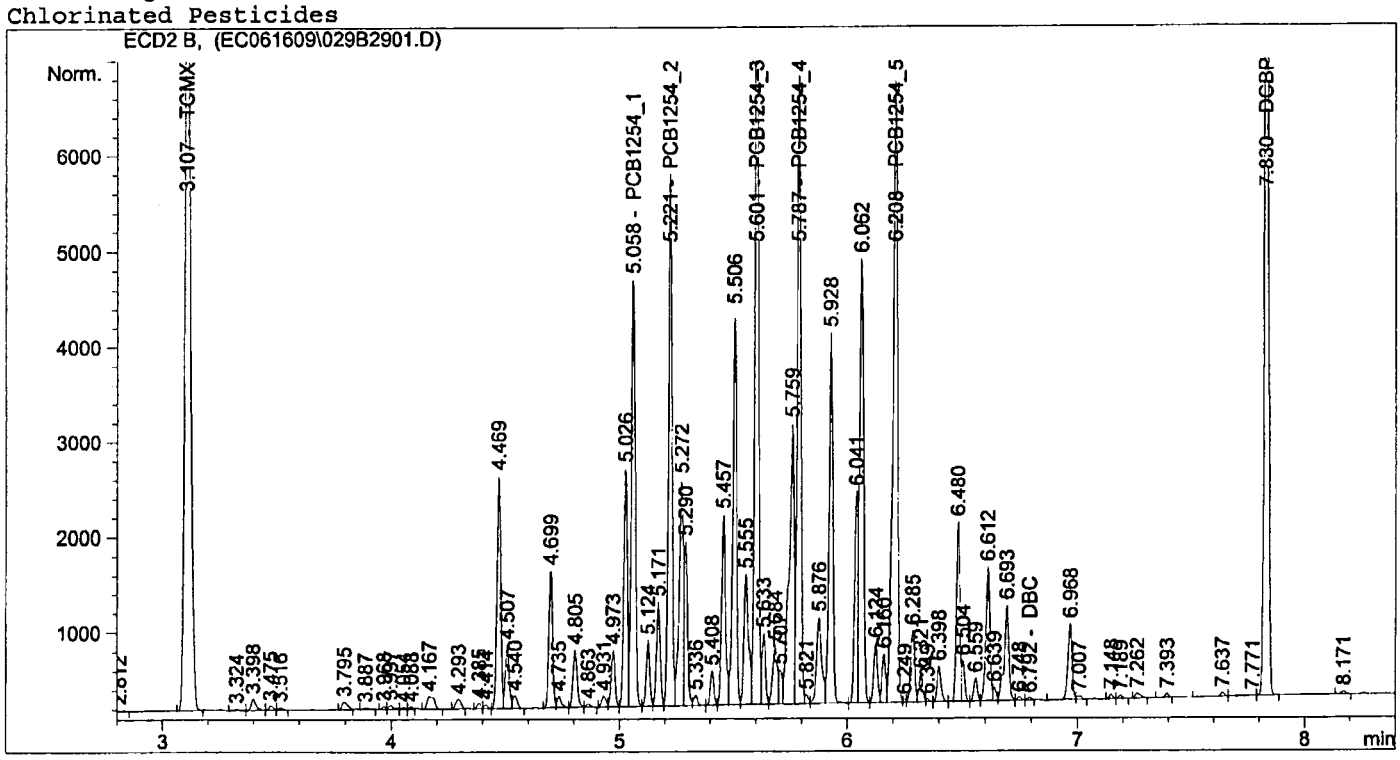
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 8:41:32 PM Seq. Line : 29
Sample Name : A1254 x1000 ICAL Location : Vial 29
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VB	1.40482e4	7.16859e-3	100.70584		TCMX
5.058	VV	5308.97803	1.88691e-1	1001.75400		PCB1254_1
5.221	VV	6097.46680	1.78618e-1	1089.11633		PCB1254_2
5.601	VV	8935.36523	1.12154e-1	1002.13848		PCB1254_3
5.787	VV	7195.55811	1.39696e-1	1005.19148		PCB1254_4
6.208	VV	9338.53711	1.12975e-1	1055.02259		PCB1254_5
6.792	VV	29.78347	0.00000	0.00000		DBC
7.830	VB	1.37947e4	7.12150e-3	98.23857		DCBP

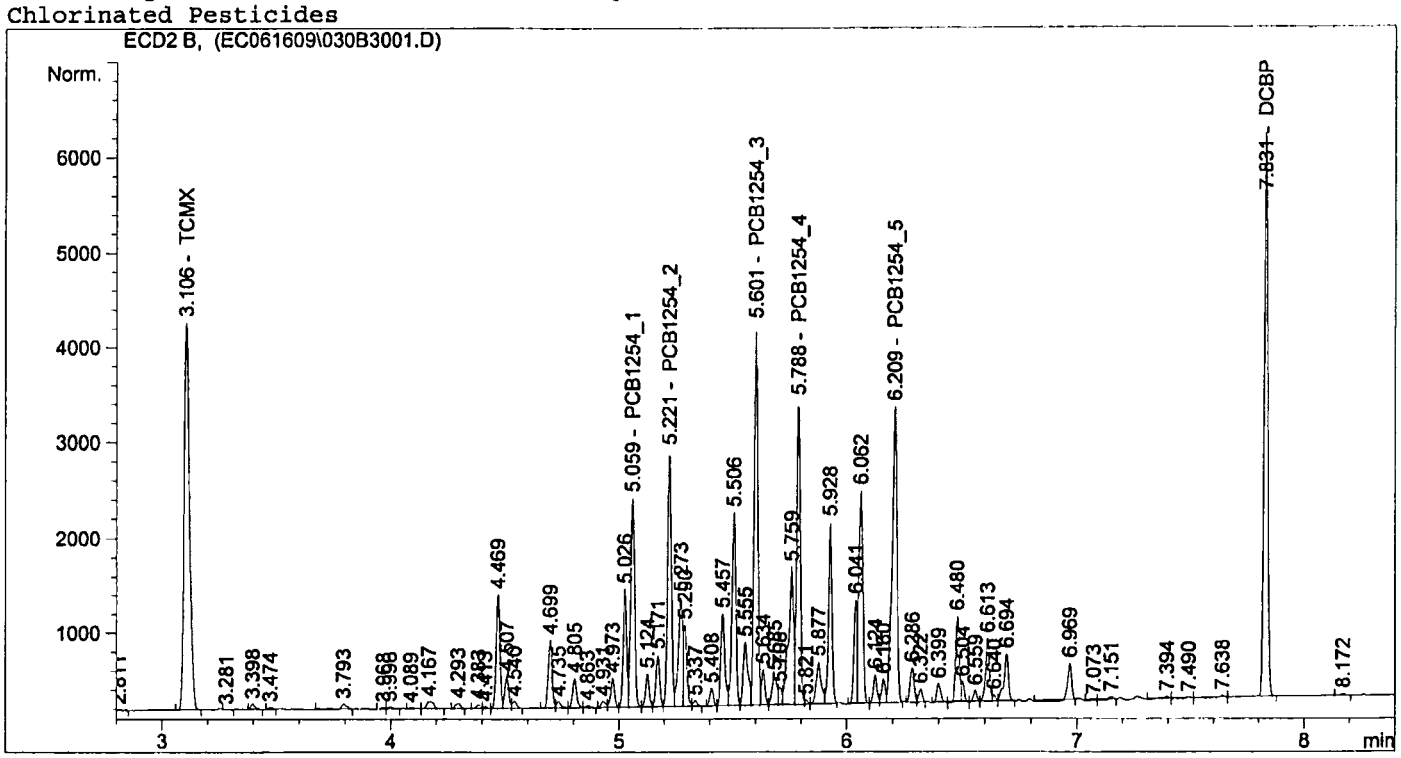
Totals : 5352.16729

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 8:54:25 PM          Seq. Line :  30
Sample Name     : A1254 x500 ICAL                Location : Vial 30
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	6711.31299	7.37175e-3	49.47411		TCMX
5.059	VV	2630.86133	1.91057e-1	502.64386		PCB1254_1
5.221	VV	2990.20801	1.76060e-1	526.45598		PCB1254_2
5.601	VV	4376.57861	1.14617e-1	501.62995		PCB1254_3
5.788	VV	3507.07764	1.41860e-1	497.51547		PCB1254_4
6.209	VV	4512.06494	1.13514e-1	512.18204		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	6690.64648	7.29443e-3	48.80442		DCBP
Totals :				2638.70584		

BWS
6.17.09

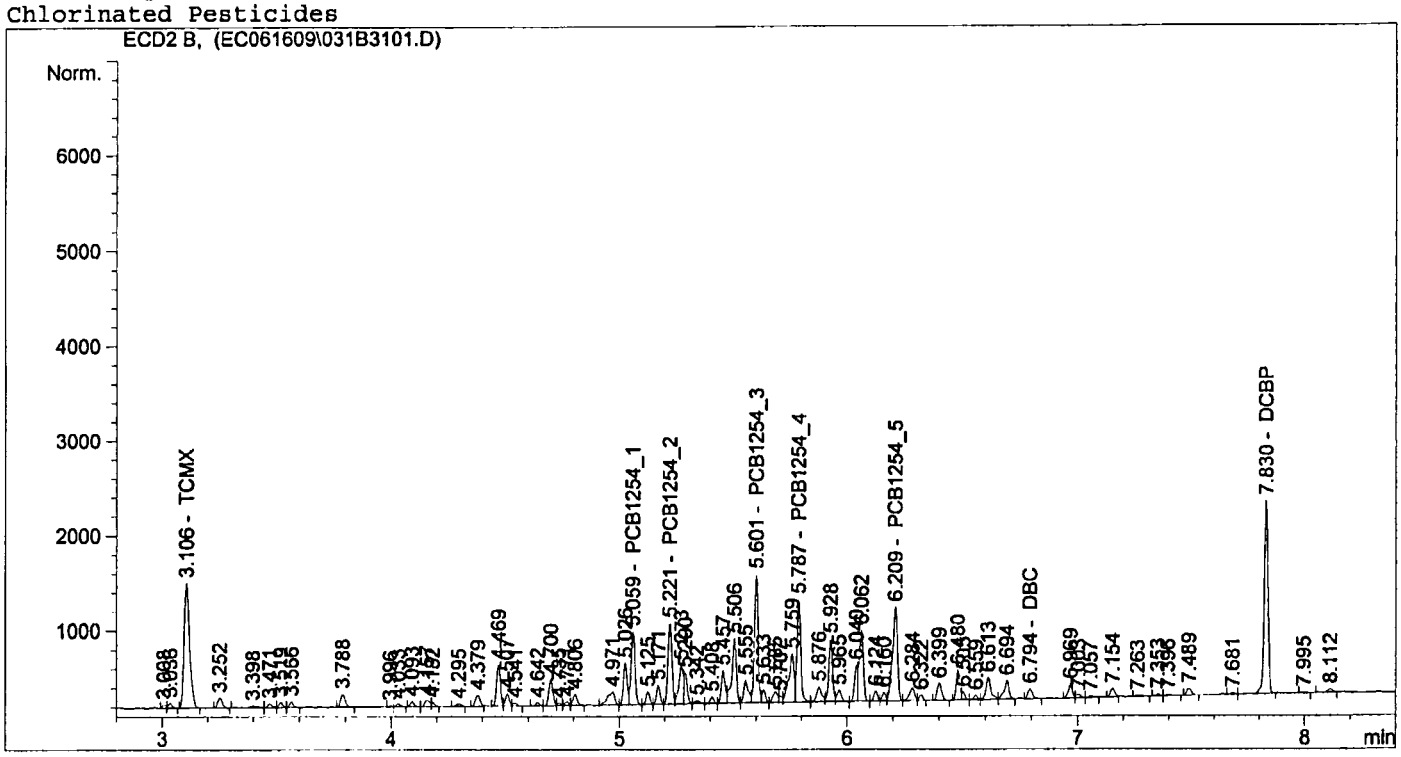
```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

==========

Injection Date : 6/16/2009 9:07:20 PM Seq. Line : 31
Sample Name : A1254 x200 ICAL Location : Vial 31
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	2193.94385	8.17269e-3	17.93042		TCMX
5.059	VV	926.45355	1.99686e-1	185.00005		PCB1254_1
5.221	VV	987.88354	1.65886e-1	163.87639		PCB1254_2
5.601	VV	1473.57690	1.24126e-1	182.90980		PCB1254_3
5.787	VV	1242.70264	1.49554e-1	185.85086		PCB1254_4
6.209	VV	1477.55640	1.15655e-1	170.88632		PCB1254_5
6.794	VB	145.04182	0.00000	0.00000		DBC
7.830	VB	2369.89722	7.90665e-3	18.73794		DCBP

Totals : 925.19179

BWS
6.17.09

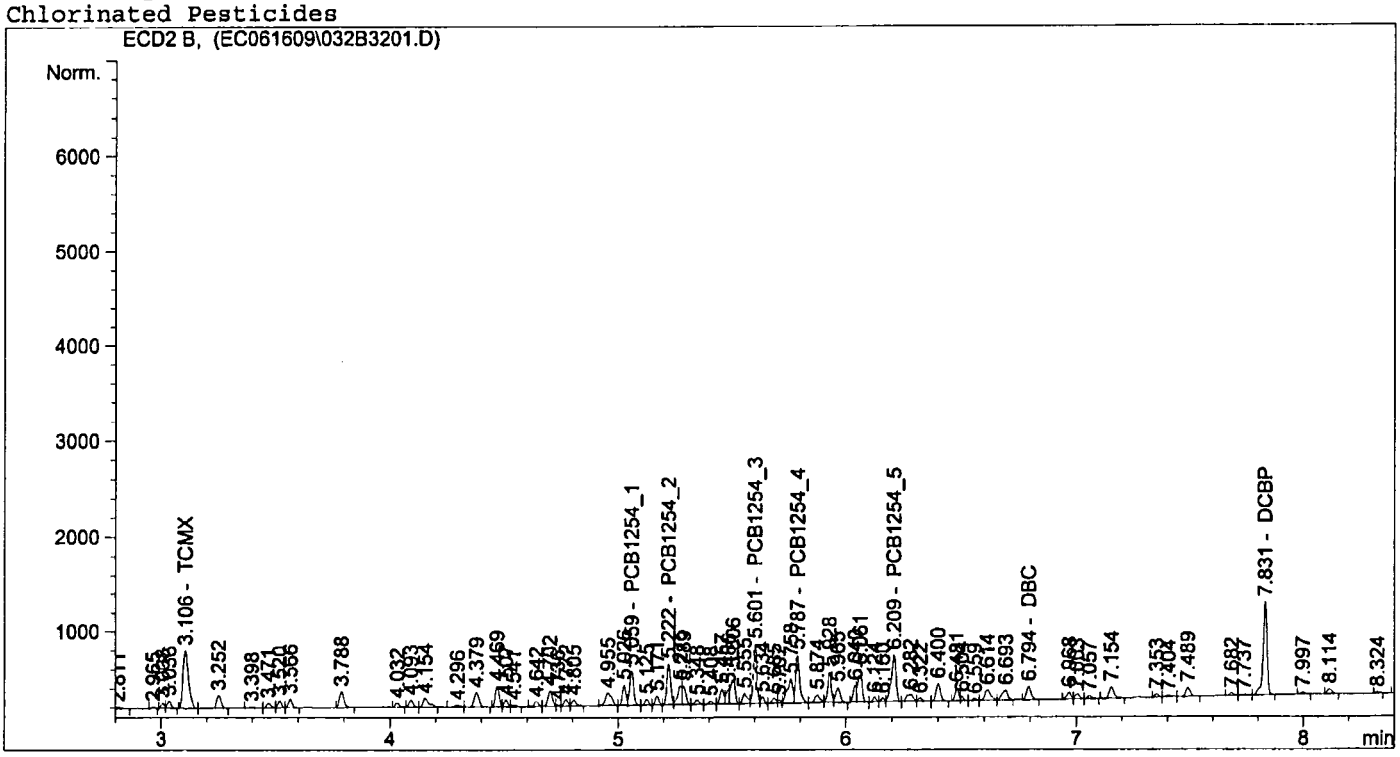
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 9:20:15 PM Seq. Line : 32
Sample Name : A1254 x100 ICAL Location : Vial 32
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	1019.56036	9.54332e-3	9.72999		TCMX
5.059	VV	447.20605	2.13961e-1	95.68457		PCB1254_1
5.222	VV	505.87912	1.51410e-1	76.59535		PCB1254_2
5.601	VV	680.14520	1.40851e-1	95.79905		PCB1254_3
5.787	VV	629.87061	1.61147e-1	101.50173		PCB1254_4
6.209	VV	720.91449	1.18996e-1	85.78568		PCB1254_5
6.794	VB	200.11134	0.00000	0.00000		DBC
7.831	VB	1208.52026	8.81768e-3	10.65635		DCBP

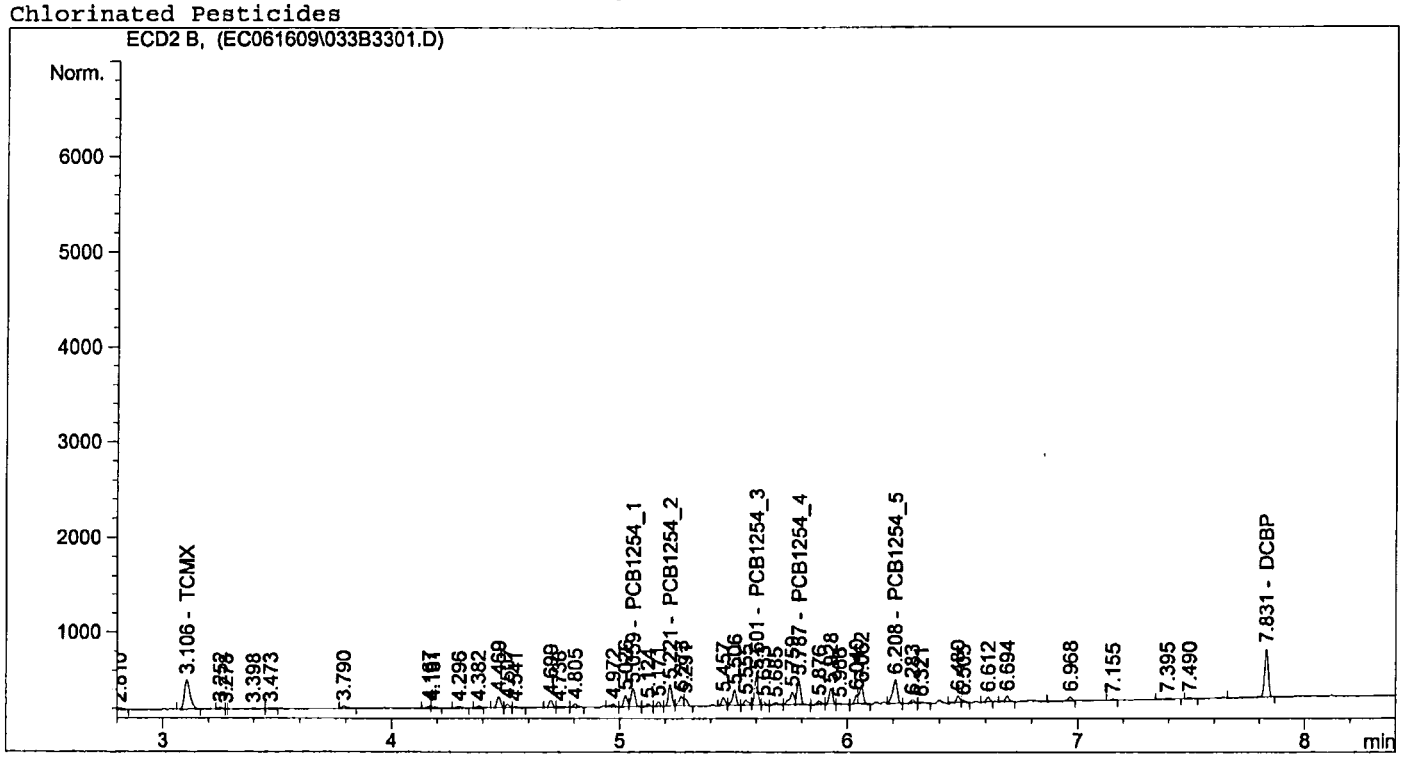
Totals : 475.75272

BWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:33:02 PM          Seq. Line :  33
Sample Name     : A1254 x40 ICAL                 Location : Vial 33
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	514.70605	1.20549e-2	6.20472		TCMX
5.059	VV	229.11891	2.40227e-1	55.04052		PCB1254_1
5.221	VV	249.37901	1.20894e-1	30.14848		PCB1254_2
5.601	VV	330.65857	1.73681e-1	57.42896		PCB1254_3
5.787	VV	261.43622	1.94277e-1	50.79106		PCB1254_4
6.208	VV	341.57239	1.26241e-1	43.12050		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	587.72308	1.07814e-2	6.33645		DCBP

Totals : 249.07070

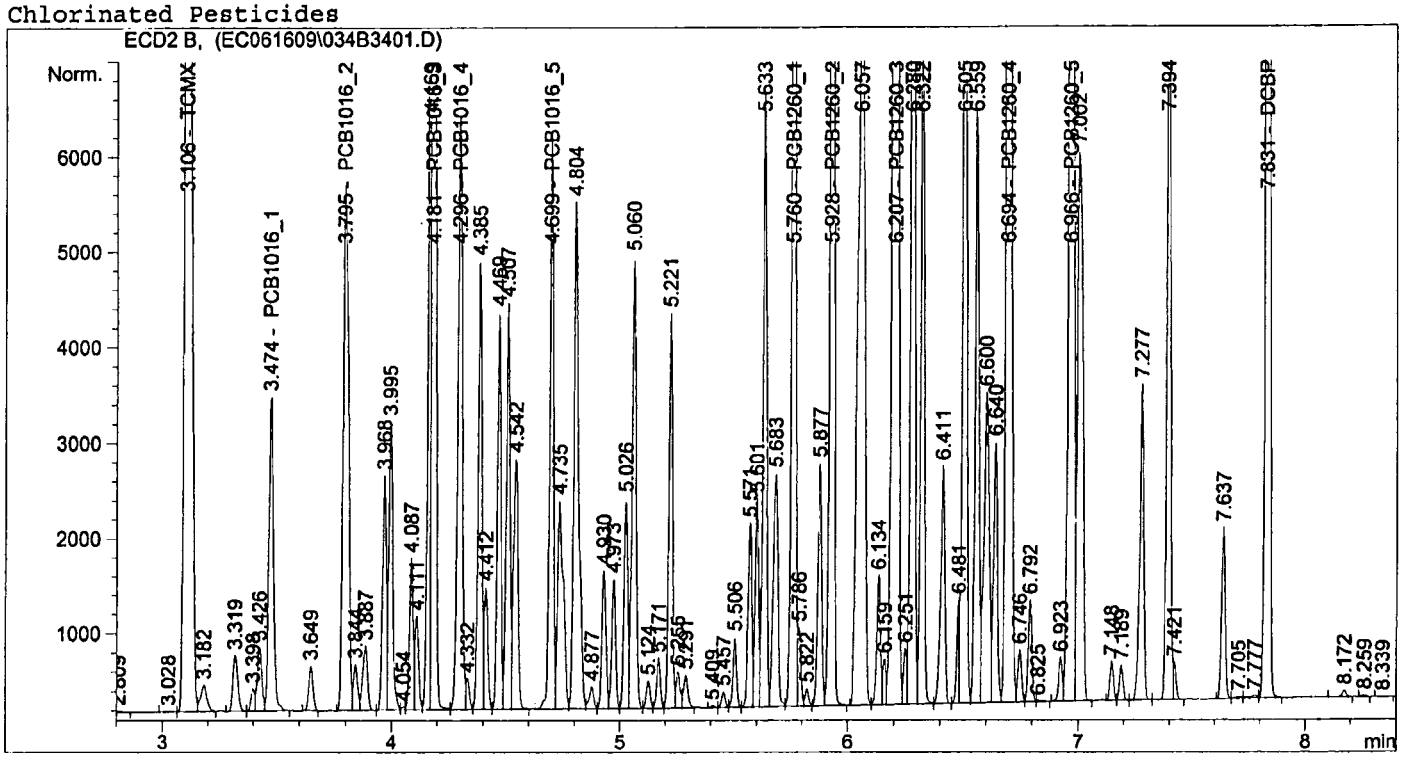
BWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:46:01 PM          Seq. Line :  34
Sample Name     : PCB x2000 ICAL                 Location : Vial 34
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:06:29 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:06:27 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

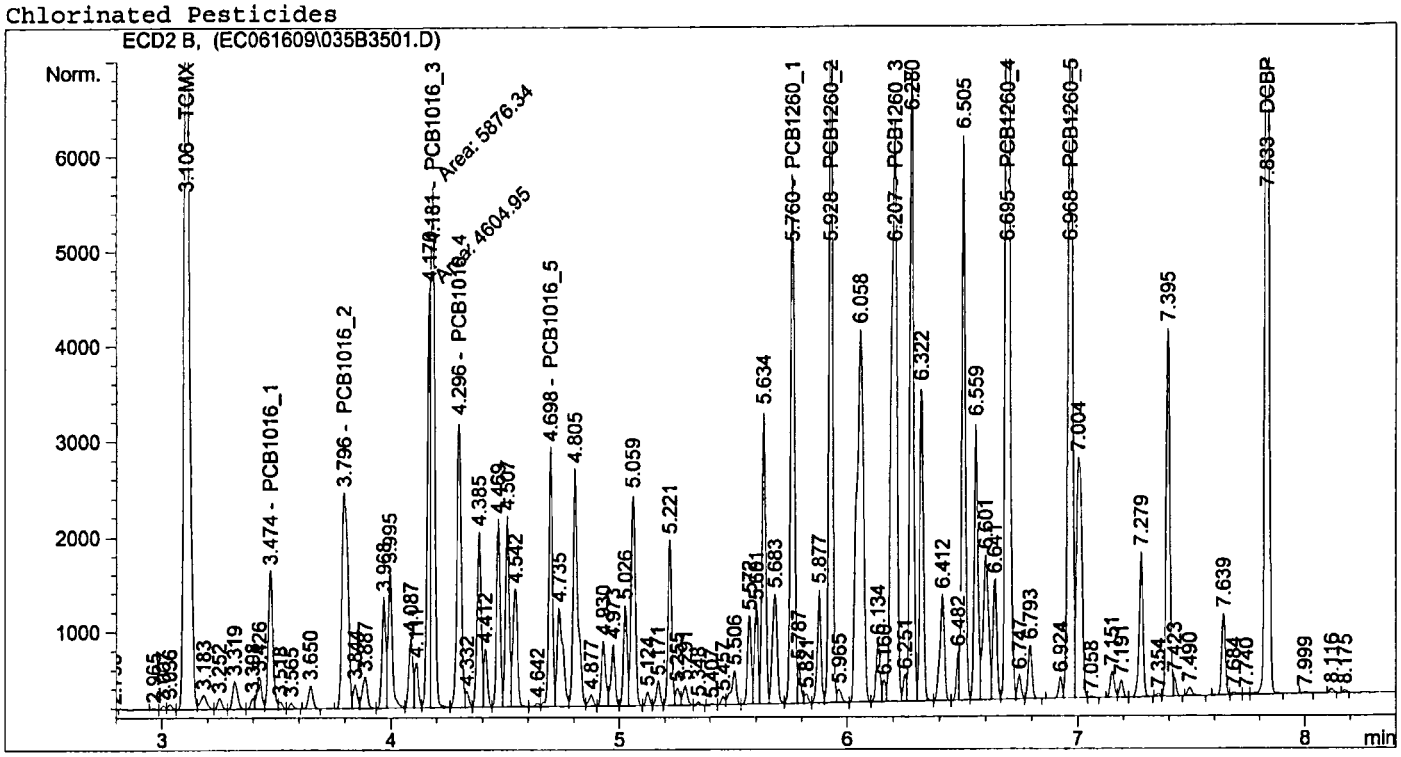
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2.94592e4	6.92505e-3	204.00623		TCMX
3.474	VB	4519.23340	4.43160e-1	2002.74428		PCB1016_1
3.795	PV	9469.86719	2.11388e-1	2001.81475		PCB1016_2
4.181	VV	1.46701e4	1.38396e-1	2030.28167		PCB1016_3
4.296	VV	8460.35547	2.38305e-1	2016.14481		PCB1016_4
4.699	VV	6825.10742	2.95084e-1	2013.97708		PCB1016_5
5.760	VV	1.36293e4	1.47790e-1	2014.27611		PCB1260_1
5.928	VB	1.90835e4	1.07837e-1	2057.90603		PCB1260_2
6.207	VV	2.42130e4	8.41678e-2	2037.95609		PCB1260_3
6.694	VV	3.69854e4	5.59014e-2	2067.53221		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	2.38040e4	8.64581e-2	2058.04726		PCB1260_5
7.831	VB	2.91817e4	6.17971e-3	180.33454		DCBP

BWS
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\035B3501.D

```
==================================================================
Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  35
Sample Name     : PCB x1000 ICAL                 Location : Vial 35
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:07:22 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                    External Standard Report
==================================================================
```

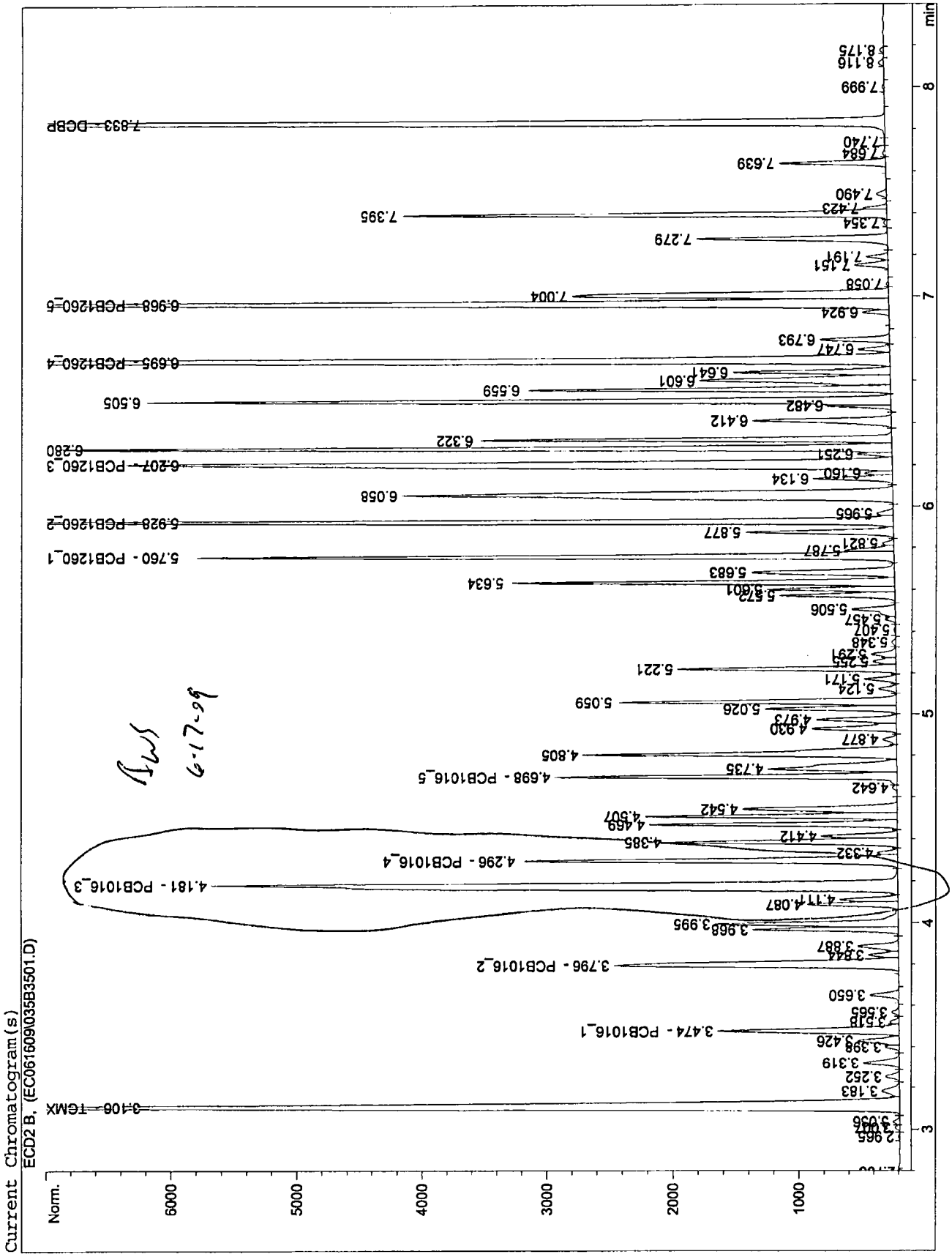
Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:07:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1.36287e4	7.07647e-3	96.44283		TCMX
3.474	VV	2033.76917	4.53075e-1	921.44899		PCB1016_1
3.796	VV	4170.35840	2.17441e-1	906.80535		PCB1016_2
4.181	FM	5876.34326	1.46526e-1	861.03867		PCB1016_3
4.296	VV	4022.45117	2.41745e-1	972.40734		PCB1016_4
4.698	VV	3104.98975	3.02309e-1	938.66590		PCB1016_5
5.760	VV	6291.23389	1.50335e-1	945.79497		PCB1260_1
5.928	VV	9044.02246	1.08669e-1	982.80589		PCB1260_2
6.207	VV	1.06166e4	8.69772e-2	923.40447		PCB1260_3
6.695	VV	1.70676e4	5.68041e-2	969.51015		PCB1260_4
6.891		-	-	-		DBC
6.968	VV	1.11218e4	8.76728e-2	975.08050		PCB1260_5
7.833	VB	1.36456e4	6.60789e-3	90.16844		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:07:22 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\035B3501.D)
Norm.
6000
5000
4000
3000
2000
1000
min
3
4
5
6
7
8
2.965
3.056
3.106 - TGMX
3.183
3.252
3.319
3.398
3.426
3.474 - PCB1016_1
3.518
3.565
3.650
3.796 - PCB1016_2
3.844
3.887
3.968
3.995
4.087
4.111
4.181 - PCB1016_3
4.296 - PCB1016_4
4.332
4.385
4.412
4.459
4.507
4.542
4.642
4.698 - PCB1016_5
4.735
4.805
4.877
4.930
4.973
5.026
5.059
5.124
5.171
5.221
5.255
5.291
5.348
5.407
5.457
5.506
5.572
5.601
5.634
5.683
5.760 - PCB1260_1
5.787
5.821
5.877
5.928 - PGB1260_2
5.965
6.058
6.134
6.160
6.207 - PCB1260_3
6.251
6.280
6.322
6.412
6.482
6.505
6.559
6.601
6.641
6.695 - PGB1260_4
6.747
6.793
6.924
6.968 - PGB1260_5
7.004
7.058
7.151
7.191
7.279
7.354
7.395
7.423
7.490
7.639
7.684
7.740
7.833 - DCBP
7.999
8.116
8.175

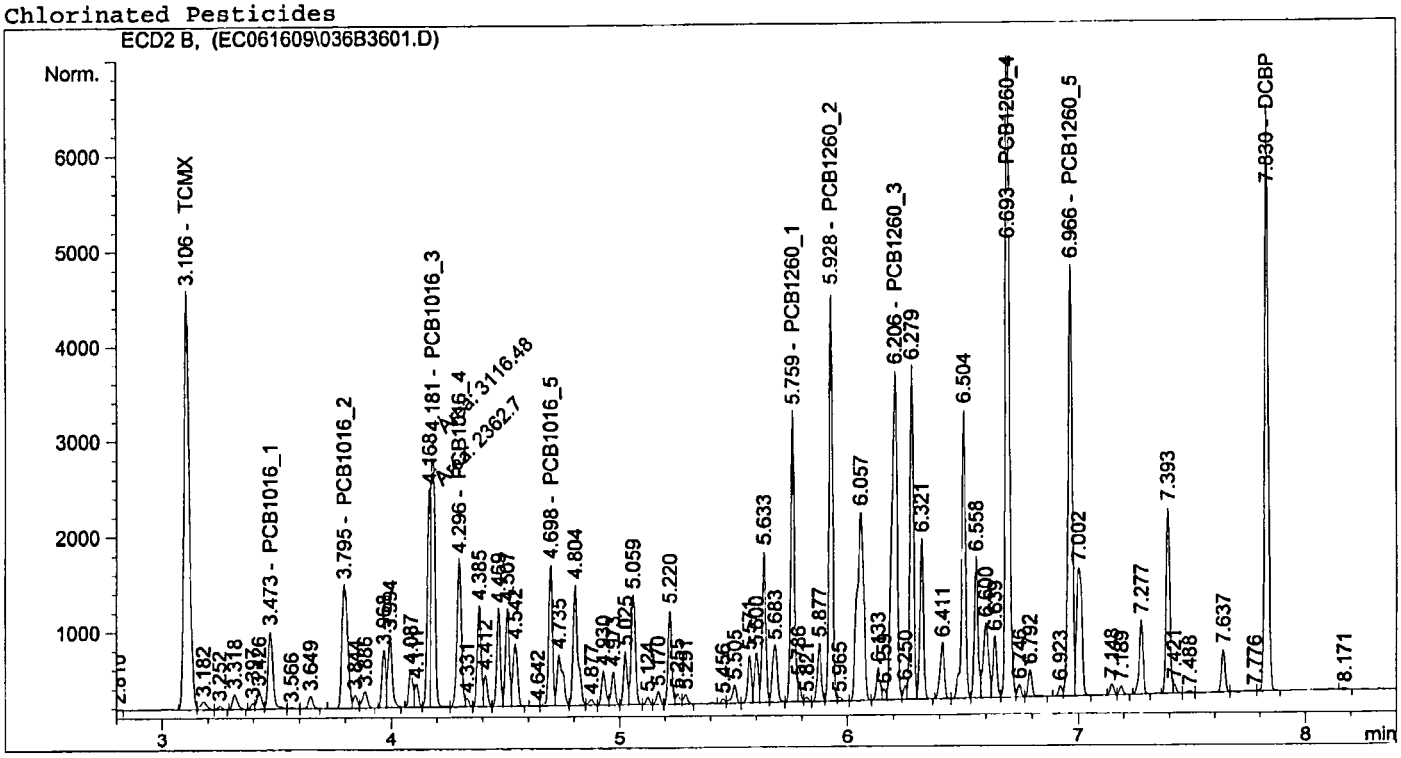
6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\036B3601.D

```
==================================================================
Injection Date   : 6/16/2009 10:11:44 PM          Seq. Line :  36
Sample Name      : PCB x500 ICAL                   Location : Vial 36
Acq. Operator    : BWS                                 Inj :   1
                                                 Inj Volume : 1 µl

Acq. Method      : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed     : 12/5/2007 1:06:16 PM by DCS
Analysis Method  : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed     : 6/17/2009 10:08:05 AM by BWS
                   (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:08:02 AM
Multiplier : 1.0000
Dilution : 1.0000

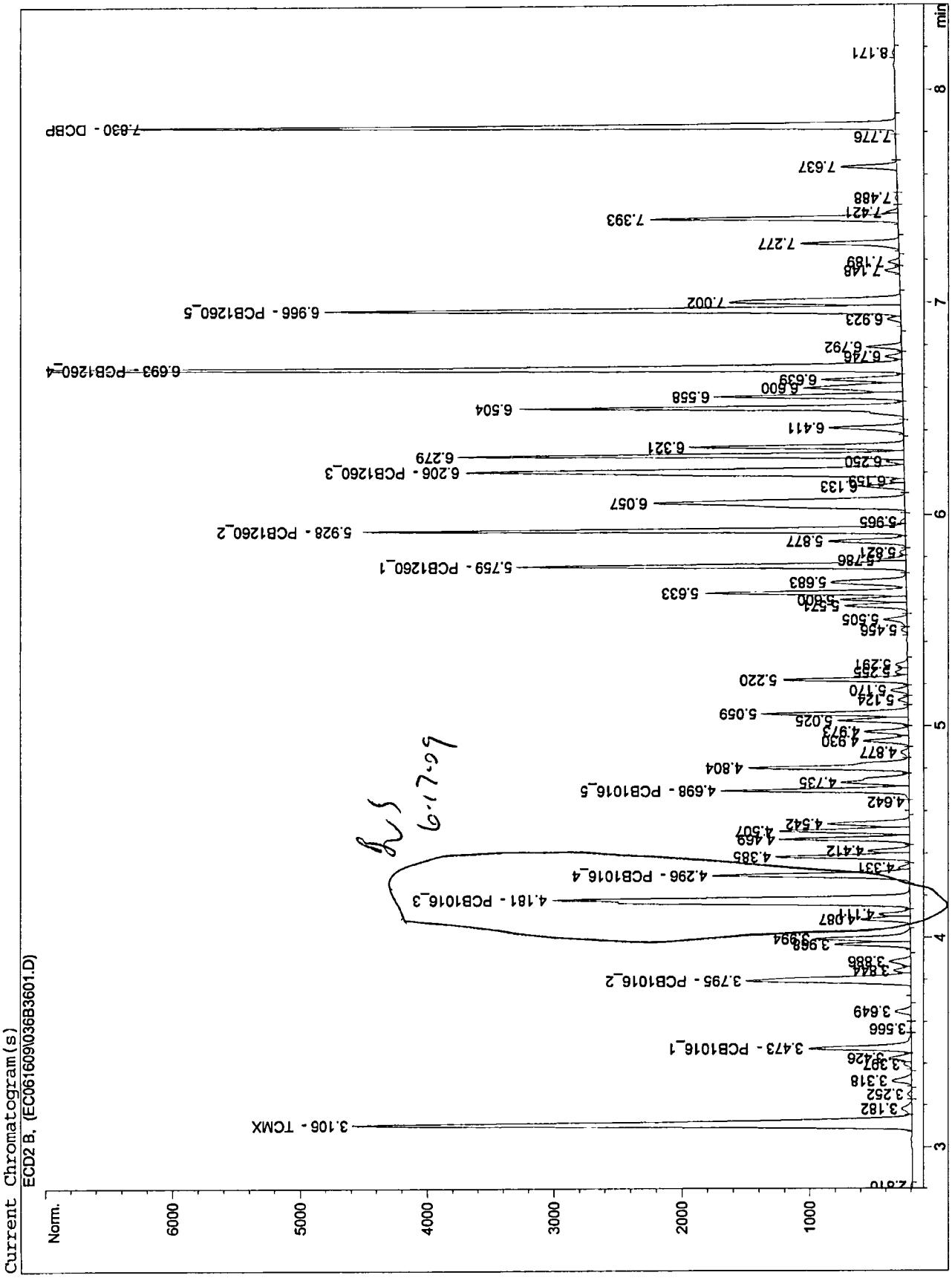
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	7003.94629	7.20672e-3	50.47550		TCMX
3.473	VV	1173.99915	4.48251e-1	526.24666		PCB1016_1
3.795	BV	2337.43018	2.17472e-1	508.32606		PCB1016_2
4.181	FM	3116.47534	1.53470e-1	478.28481		PCB1016_3
4.296	VV	2094.15796	2.42120e-1	507.03773		PCB1016_4
4.698	VV	1677.99841	3.03838e-1	509.83950		PCB1016_5
5.759	VV	3357.37085	1.51005e-1	506.97811		PCB1260_1
5.928	VV	4654.07275	1.09539e-1	509.80197		PCB1260_2
6.206	VV	5743.00488	8.85477e-2	508.52996		PCB1260_3
6.693	VV	8792.44434	5.78925e-2	509.01700		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	5652.14844	8.91801e-2	504.05910		PCB1260_5
7.830	VB	6917.99902	6.66835e-3	46.13166		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:08:05 AM BWS

Current Chromatogram(s)
ECD2 B, (EC061609\036B3601.D)

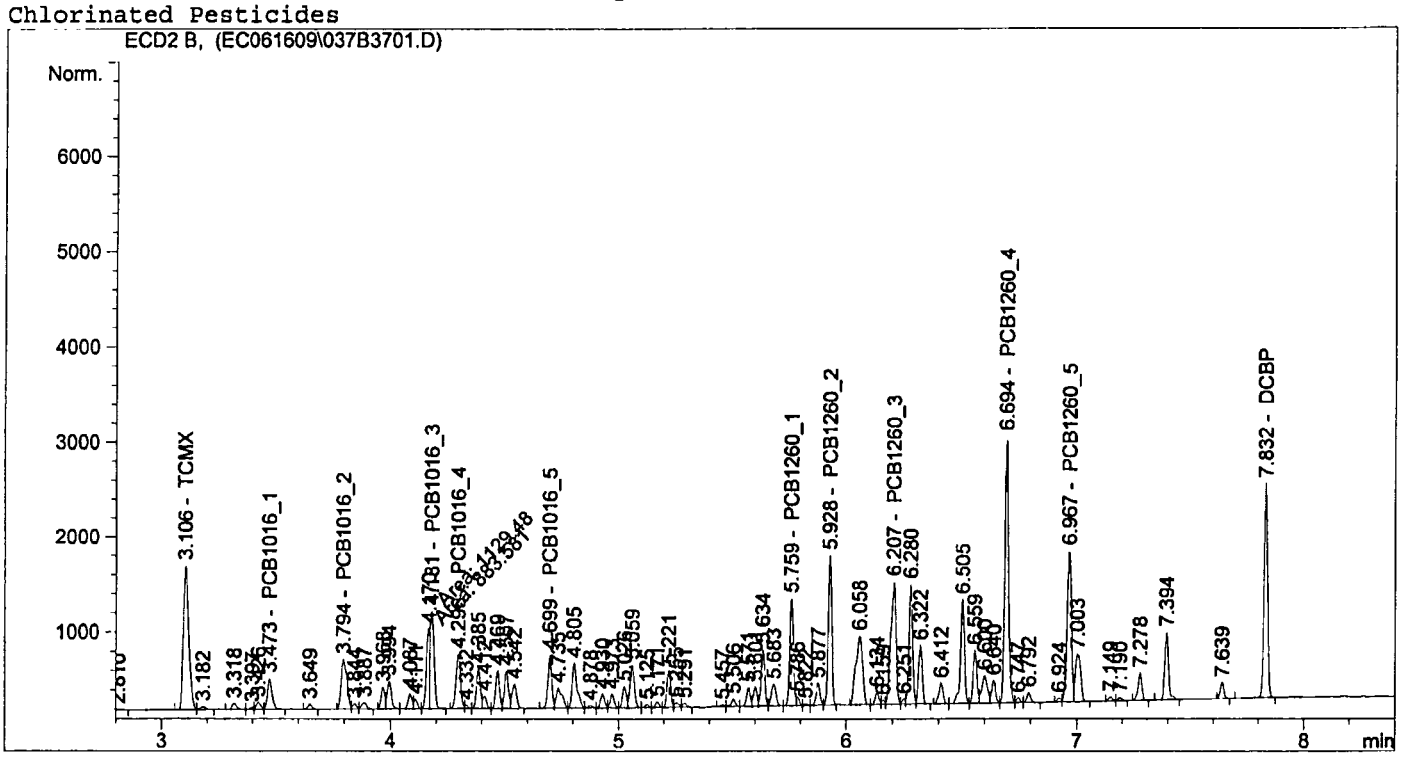


6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\037B3701.D

```
==================================================================
Injection Date  : 6/16/2009 10:24:44 PM          Seq. Line :  37
Sample Name     : PCB x200 ICAL                   Location : Vial 37
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-1\PCBR.M
Last changed    : 6/17/2009 10:10:01 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:10:00 AM
Multiplier             :      1.0000
Dilution               :      1.0000

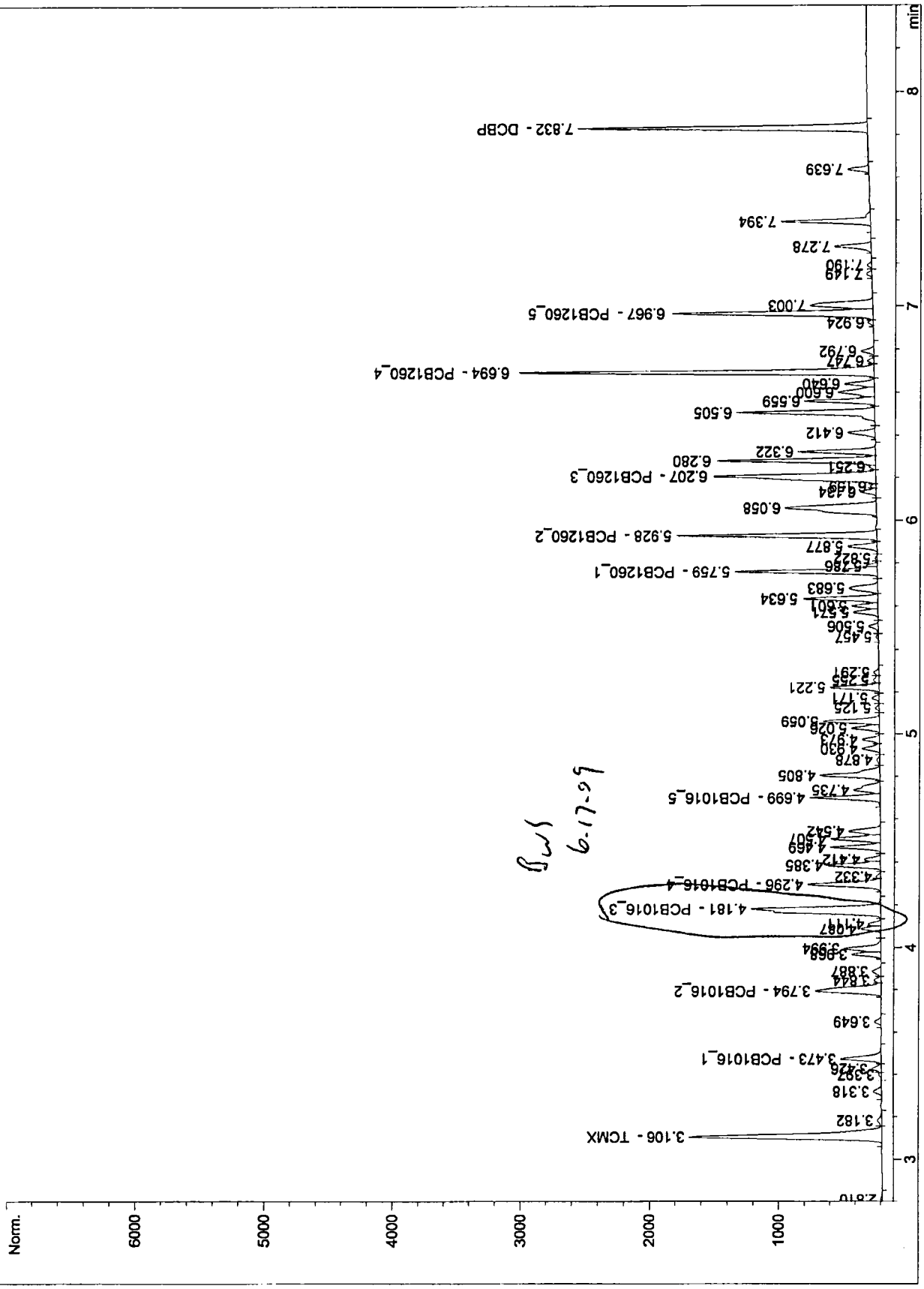
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2459.41650	7.98155e-3	19.62996		TCMX
3.473	VB	459.35840	4.55209e-1	209.10389		PCB1016_1
3.794	BV	925.94446	2.27040e-1	210.22643		PCB1016_2
4.181	FM	1129.47510	1.84501e-1	208.38960		PCB1016_3
4.296	BV	785.00928	2.52392e-1	198.12976		PCB1016_4
4.699	BV	634.24420	3.20572e-1	203.32064		PCB1016_5
5.759	VV	1251.00183	1.59135e-1	199.07828		PCB1260_1
5.928	VV	1690.69934	1.17110e-1	197.99704		PCB1260_2
6.207	VV	2103.30566	9.77195e-2	205.53395		PCB1260_3
6.694	VV	3117.92969	6.42428e-2	200.30467		PCB1260_4
6.891		-	-	-		DBC
6.967	VV	2021.84827	9.79173e-2	197.97387		PCB1260_5
7.832	BB	2527.29541	7.09127e-3	17.92173		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:10:01 AM BWS

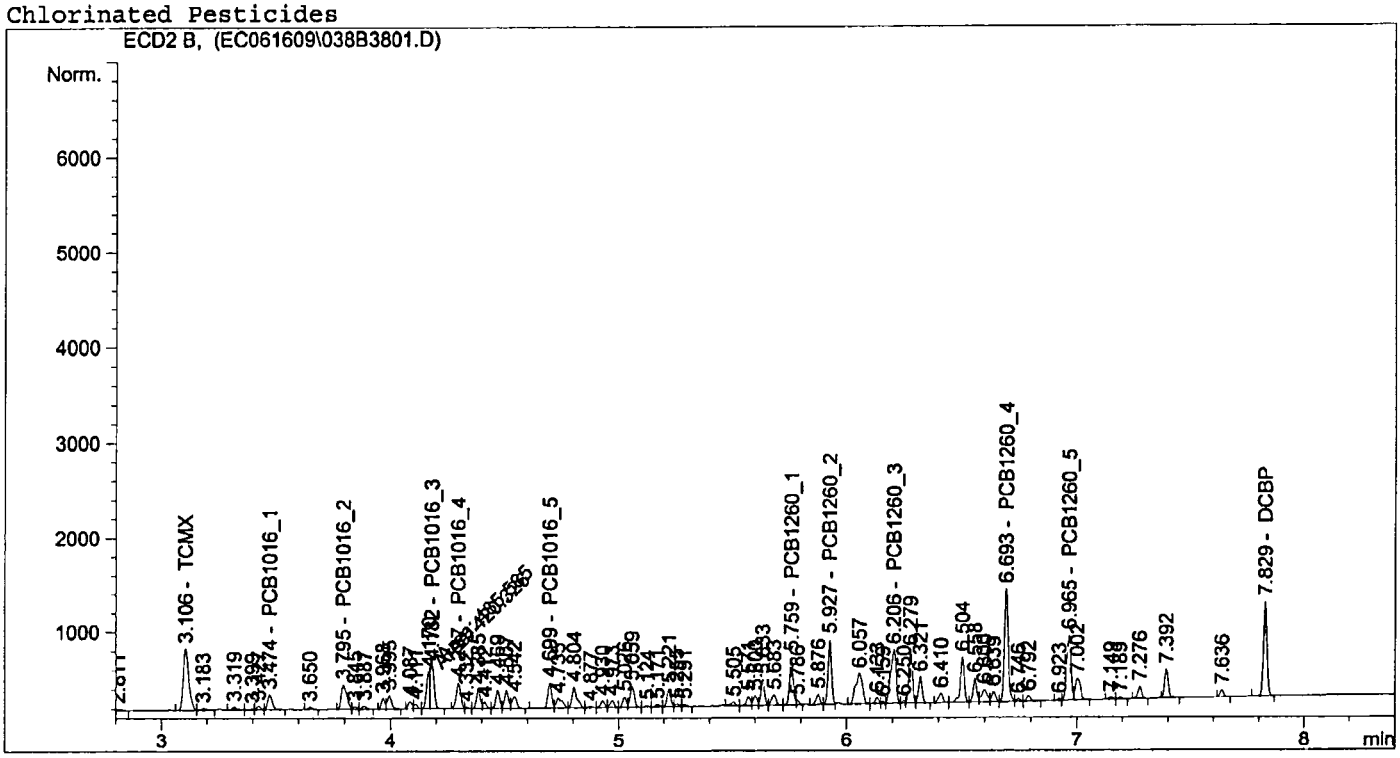
Current Chromatogram(s)
ECD2 B, (EC061609\037B3701.D)



Data File C:\HPCHEM\1\DATA\EC061609\038B3801.D

```
==================================================================
Injection Date  : 6/16/2009 10:37:35 PM          Seq. Line :  38
Sample Name     : PCB x100 ICAL                   Location : Vial 38
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:10:50 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:10:48 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1060.00964	9.47053e-3	10.03885		TCMX
3.474	VB	217.42149	4.56579e-1	99.27014		PCB1016_1
3.795	BV	437.29282	2.40067e-1	104.97947		PCB1016_2
4.182	FM	485.58514	2.49460e-1	121.13418		PCB1016_3
4.297	BV	360.85504	2.68497e-1	96.88843		PCB1016_4
4.699	BV	295.44028	3.46344e-1	102.32409		PCB1016_5
5.759	VV	561.53314	1.74475e-1	97.97337		PCB1260_1
5.927	VV	743.89374	1.30403e-1	97.00615		PCB1260_2
6.206	VV	927.62262	1.14883e-1	106.56771		PCB1260_3
6.693	VV	1324.98889	7.63427e-2	101.15317		PCB1260_4
6.891		-	-	-		DBC
6.965	VV	870.44684	1.14817e-1	99.94177		PCB1260_5
7.829	BB	1119.47693	8.34984e-3	9.34745		DCBP

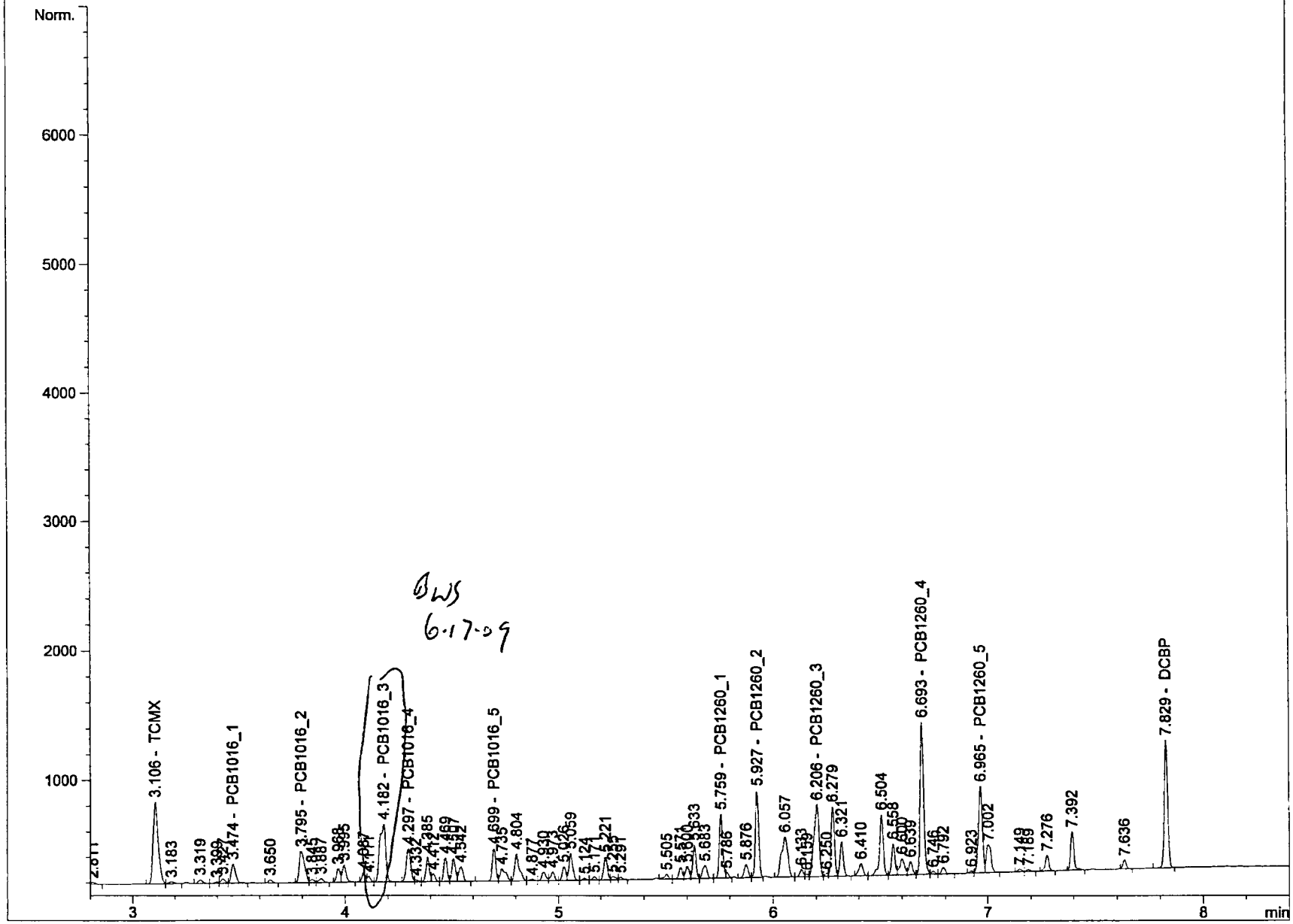
BWS
6.17.09

ECD2 6/17/2009 10:10:50 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

ECD2 B, (EC061609\038B3801.D)

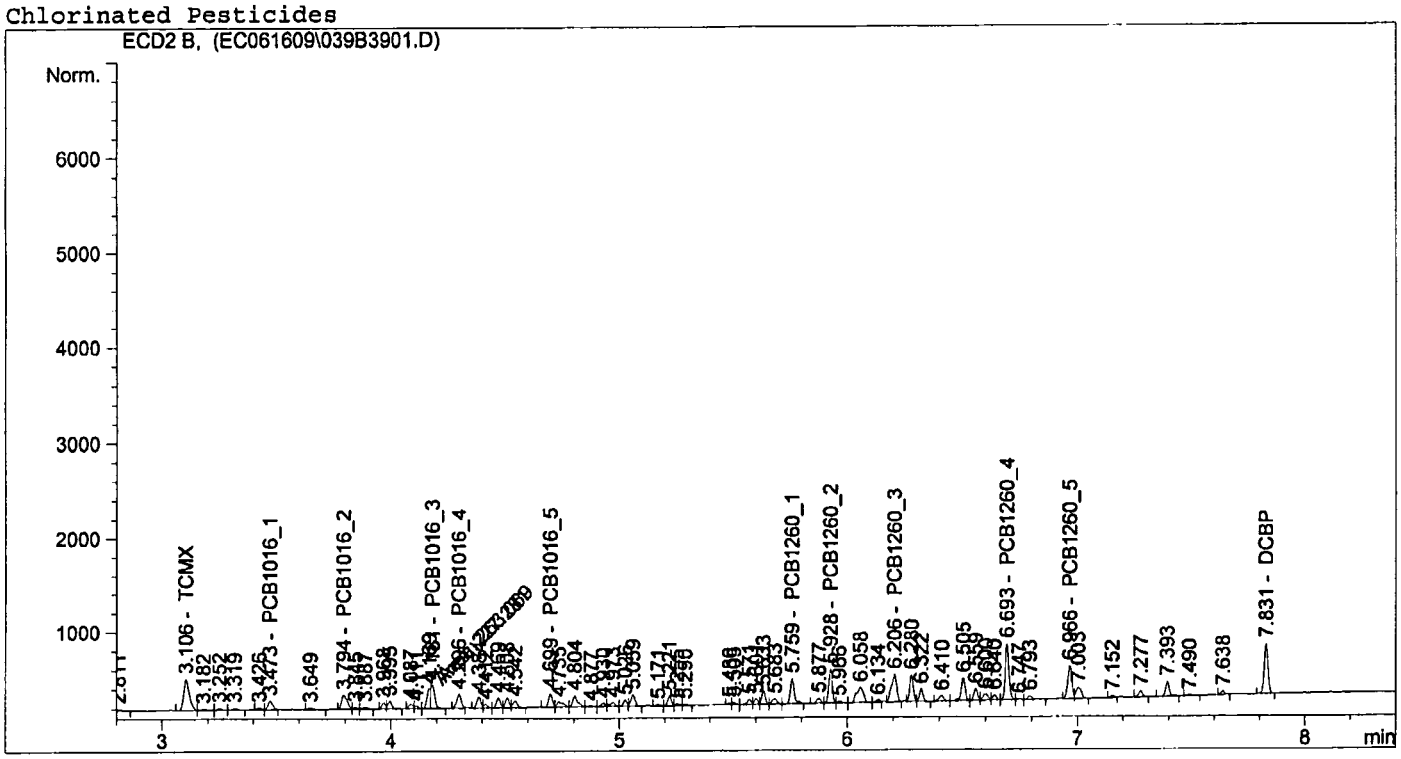


ECD2 6/17/2009 10:10:29 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\039B3901.D

```
==================================================================
Injection Date  : 6/16/2009 10:50:29 PM          Seq. Line :  39
Sample Name     : PCB x40 ICAL                    Location : Vial 39
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:11:41 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	548.72662	1.20299e-2	6.60113		TCMX
3.473	VV	121.06745	4.56623e-1	55.28216		PCB1016_1
3.794	BV	251.36978	2.58563e-1	64.99505		PCB1016_2
4.181	FM	263.06857	3.48380e-1	91.64781		PCB1016_3
4.296	BV	195.81090	2.95069e-1	57.77769		PCB1016_4
4.699	VV	160.03806	3.89192e-1	62.28561		PCB1016_5
5.759	VV	317.76819	1.96374e-1	62.40140		PCB1260_1
5.928	VV	382.41440	1.54962e-1	59.25959		PCB1260_2
6.206	VV	472.35635	1.46152e-1	69.03575		PCB1260_3
6.693	VV	666.49261	9.75963e-2	65.04720		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	445.24323	1.44457e-1	64.31850		PCB1260_5
7.831	BB	608.79004	1.07789e-2	6.56211		DCBP

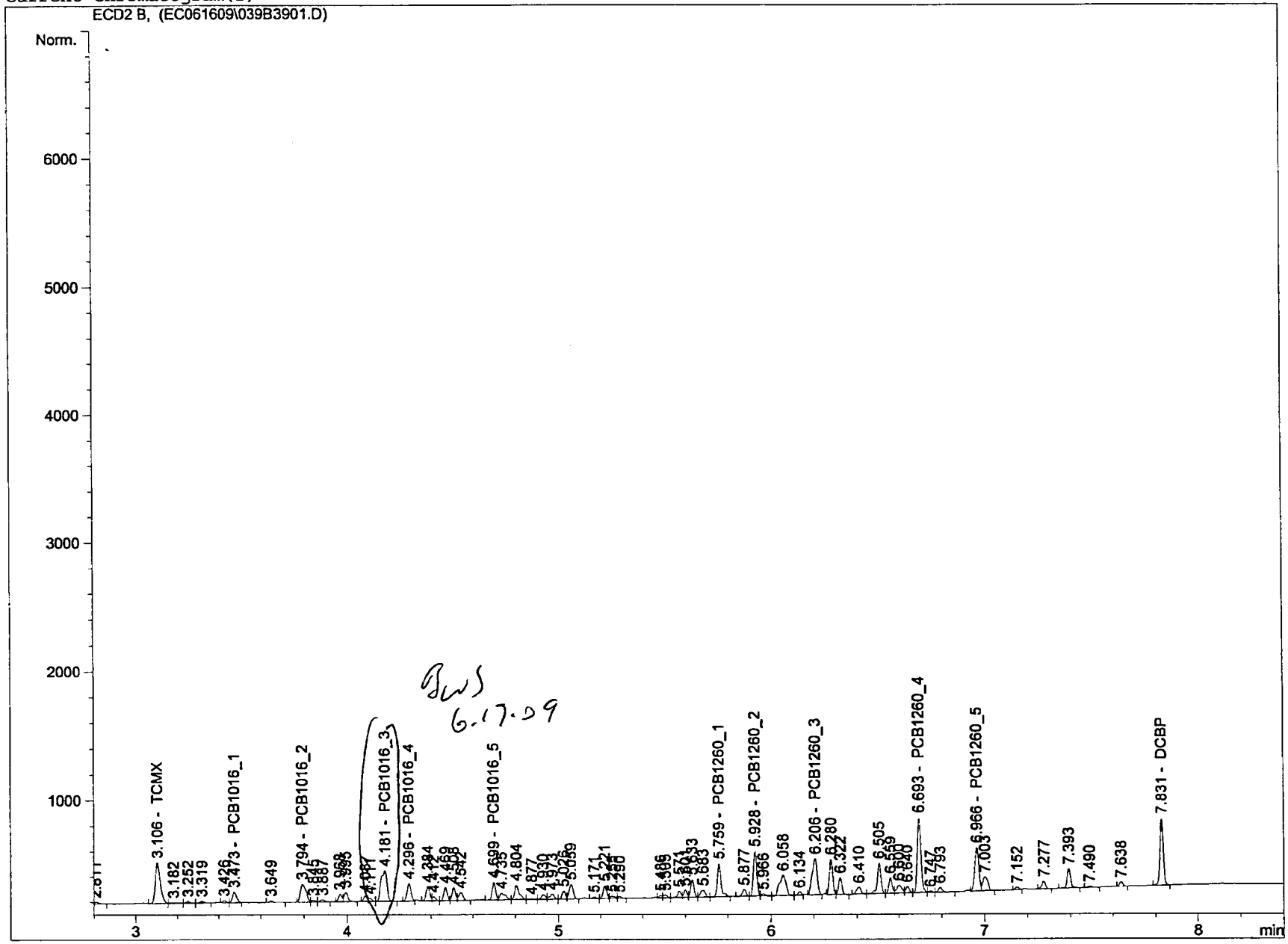
BWS
6.17.09

ECD2 6/17/2009 10:11:41 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

ECD2 B, (EC061609\039B3901.D)



ECD2 6/17/2009 10:11:16 AM BWS

8082 CVS Raw Data

PCB Calibration Verification Summary

Sample ID: CVS-1221-1000
Instrument ID: ECD2

Date: 17-Jul-09 09:13
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window From	RT Window To	Concentration	Mean Concentration	%D
Aroclor 1221	1	3.31099	3.28099	3.34099	1073.996856	1072.379633	-7.24
	2	3.4177	3.3877	3.4477	1078.037773		
	3	3.46564	3.43564	3.49564	1065.104271		
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
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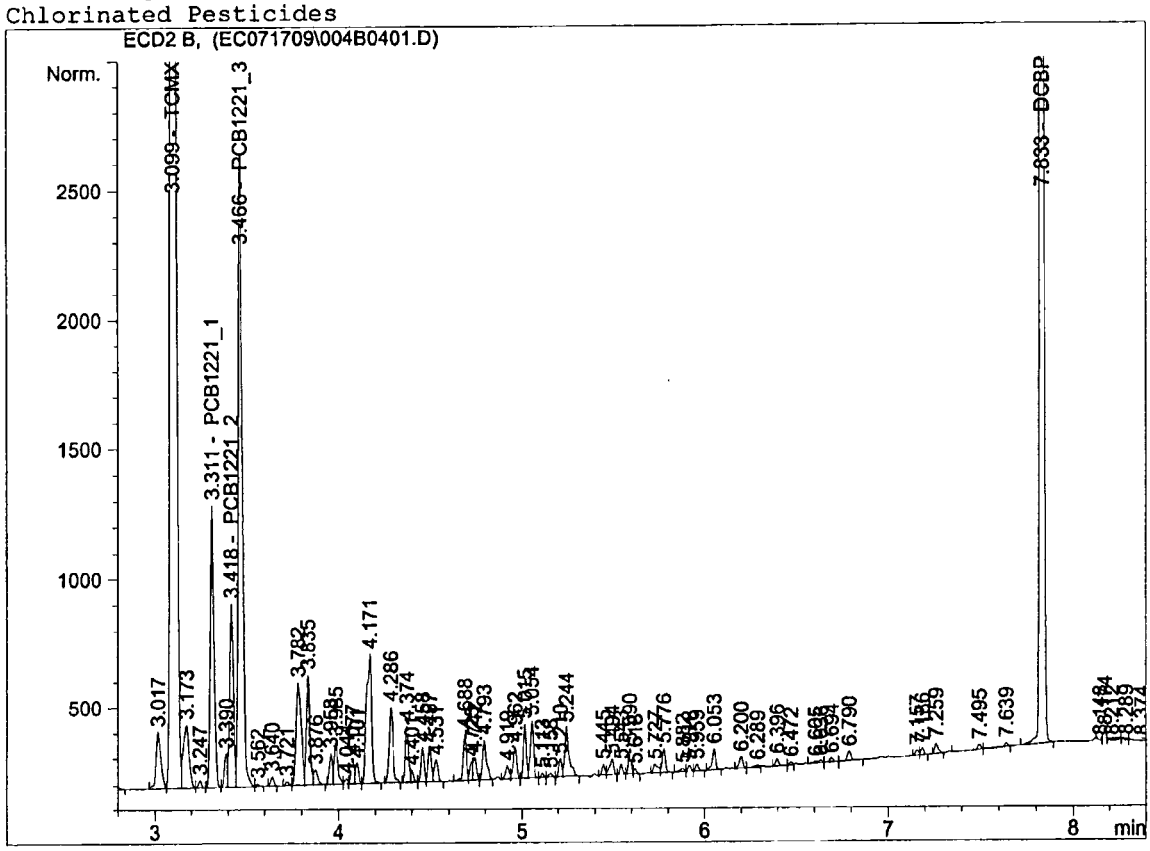
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

==========

Injection Date : 7/17/2009 9:13:21 AM Seq. Line : 4
Sample Name : cvs-1221-1000 Location : Vial 4
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\1221R.M
Last changed : 6/22/2009 9:37:20 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:25:03 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.099	VV	1.56690e4	6.86731e-3	107.60363		TCMX
3.311	VV	1518.79260	7.07139e-1	1073.99686		PCB1221_1
3.418	VV	977.82898	1.10248	1078.03777		PCB1221_2
3.466	VV	3607.85791	2.95218e-1	1065.10427		PCB1221_3
6.890		-	-	-		DBC
7.833	BB	1.58484e4	6.82803e-3	108.21336		DCBP

Totals : 3432.95589

BWS
7-20-09

Results obtained with enhanced integrator!

PCB Calibration Verification Summary

Sample ID: CVS-1232-1000
Instrument ID: ECD2

Date: 17-Jul-09 09:26
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1232	1	3.46532	3.43532	3.49532	1051.538386	1031.378447	-3.14
	2	3.78437	3.75437	3.81437	984.8935326		
	3	4.17024	4.14024	4.20024	1043.83838		
	4	4.68667	4.65667	4.71667	1033.522227		
	5	5.05353	5.02353	5.08353	1043.099712		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
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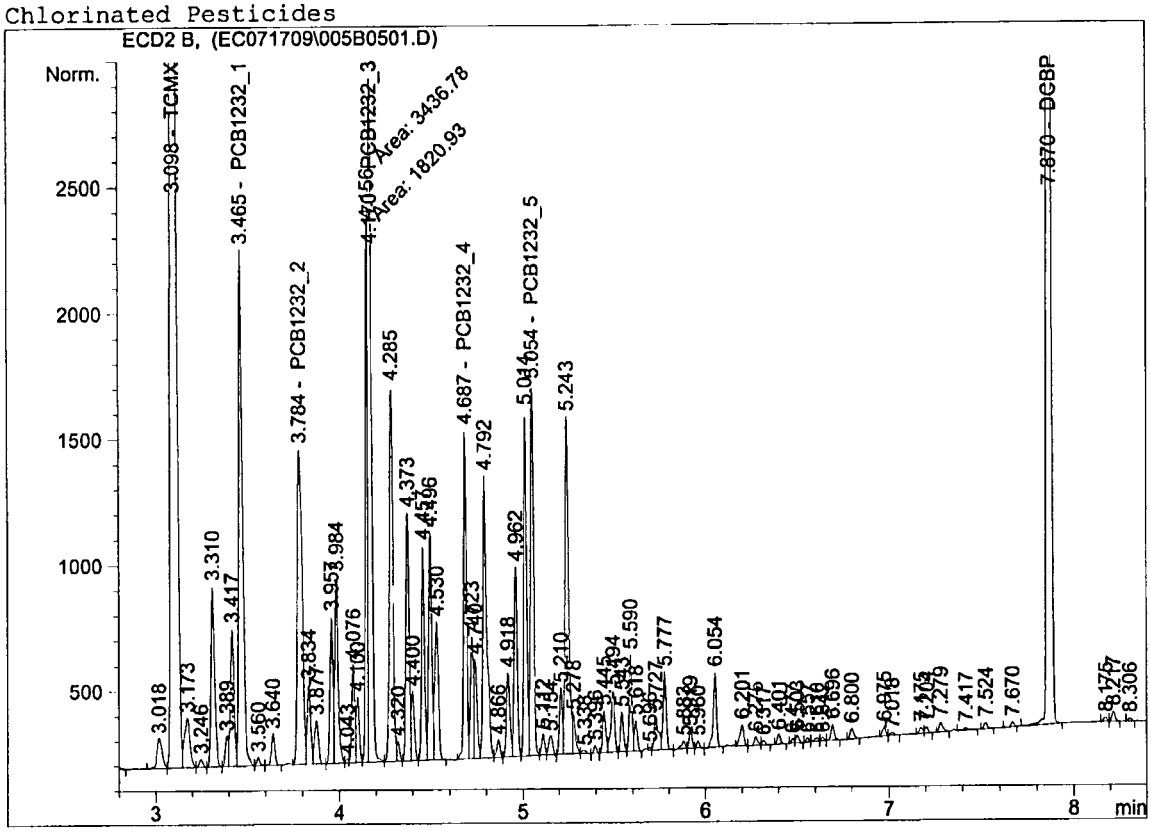
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

```
==========================================================================
Injection Date  : 7/17/2009 9:26:18 AM          Seq. Line :   5
Sample Name     : cvs-1232-1000                  Location : Vial 5
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 7/20/2009 7:54:25 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides

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==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/20/2009 7:54:25 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

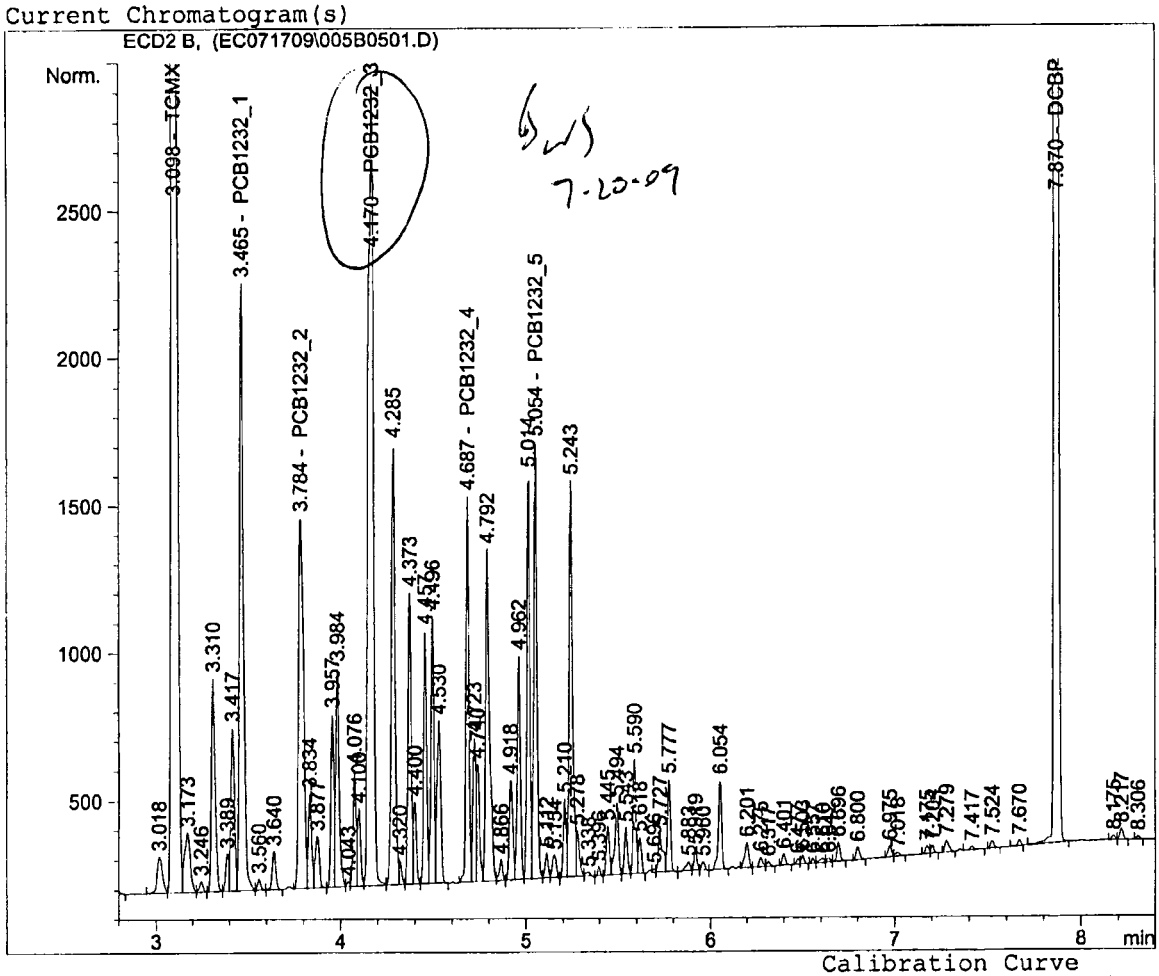
Signal 1: ECD2 B,
```

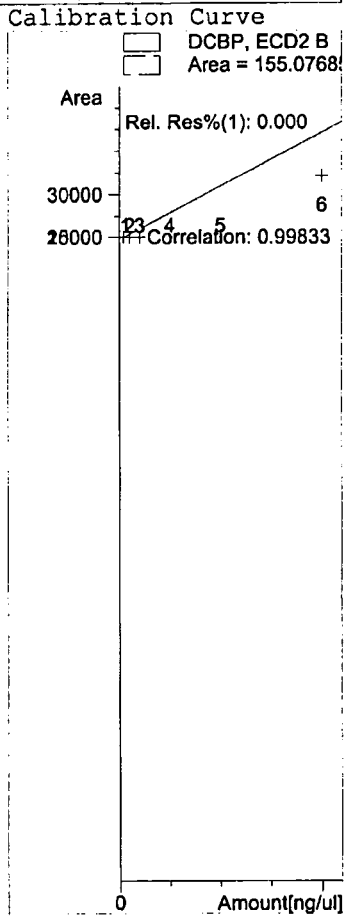
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.098	VV	1.55475e4	6.77365e-3	105.31319		TCMX
3.465	VV	2987.71265	3.51954e-1	1051.53839		PCB1232_1
3.784	VV	2307.51318	4.26820e-1	984.89353		PCB1232_2
4.170	FM	3436.77686	3.03726e-1	1043.83838		PCB1232_3
4.687	PV	1470.73730	7.02724e-1	1033.52223		PCB1232_4
5.054	VV	1765.46082	5.90837e-1	1043.09971		PCB1232_5
6.889		-	-	-		DBC
7.870	BB	1.56164e4	6.77204e-3	105.75505		DCBP

Totals : 5367.96047

BWS
7.20.09

Print of all graphic windows
Current Chromatogram(s)





ECD2 7/20/2009 7:54:34 AM BWS

PCB Calibration Verification Summary

Sample ID: CVS-1242-1000
Instrument ID: ECD2

Date: 17-Jul-09 09:39
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1242	1	3.46561	3.43561	3.49561	1167.663835	1168.680232	-16.9
	2	3.78553	3.75553	3.81553	1124.359252		
	3	4.17077	4.14077	4.20077	1199.988799		
	4	4.68708	4.65708	4.71708	1170.009078		
	5	5.054	5.024	5.084	1181.380197		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
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	1						
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	4						
	5						
	1						
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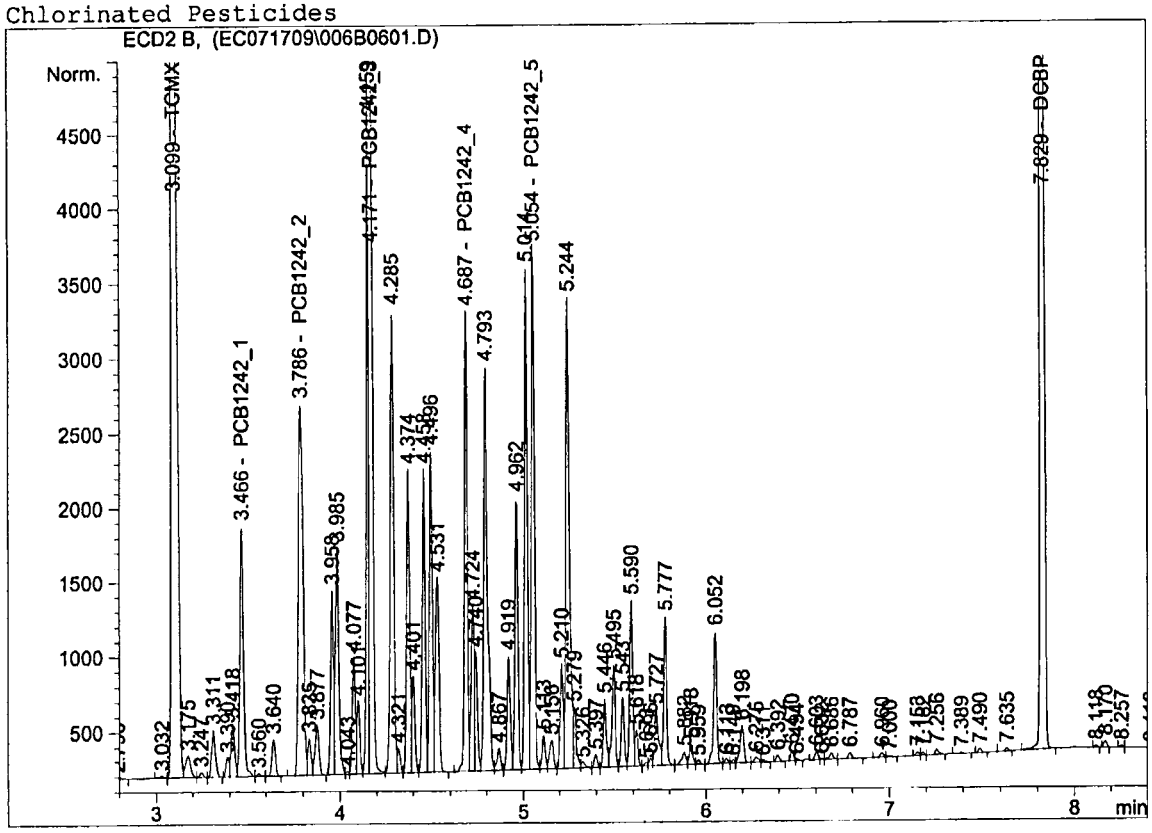
	4						
	5						
	1						
	2						
	3						
	4						
	5						

```
==================================================================
Injection Date  : 7/17/2009 9:39:16 AM          Seq. Line :   6
Sample Name     : cvs-1242-1000                  Location : Vial 6
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/22/2009 9:38:47 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.099	VV	1.69252e4	6.93719e-3	117.41360		TCMX
3.466	VV	2323.96729	5.02444e-1	1167.66384		PCB1242_1
3.786	BV	4488.77539	2.50482e-1	1124.35925		PCB1242_2
4.171	VV	7480.56348	1.60414e-1	1199.98880		PCB1242_3
4.687	VV	3439.78784	3.40140e-1	1170.00908		PCB1242_4
5.054	VV	4194.76221	2.81632e-1	1181.38020		PCB1242_5
6.888		-	-	-		DBC
7.829	BB	1.71847e4	6.98211e-3	119.98564		DCBP
Totals :				6080.80040		

BWS
7-20-09

PCB Calibration Verification Summary

Sample ID: CVS-1248-1000
Instrument ID: ECD2

Date: 17-Jul-09 09:52
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window				
Compound	Peak	RT	From	To	Concentration	Mean Concentration	%D
Aroclor 1248	1	4.45784	4.42784	4.48784	1092.808756	1101.849347	-10.2
	2	4.68709	4.65709	4.71709	1097.925653		
	3	5.05362	5.02362	5.08362	1110.170095		
	4	5.24332	5.21332	5.27332	1109.589345		
	5	5.59009	5.56009	5.62009	1098.752884		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
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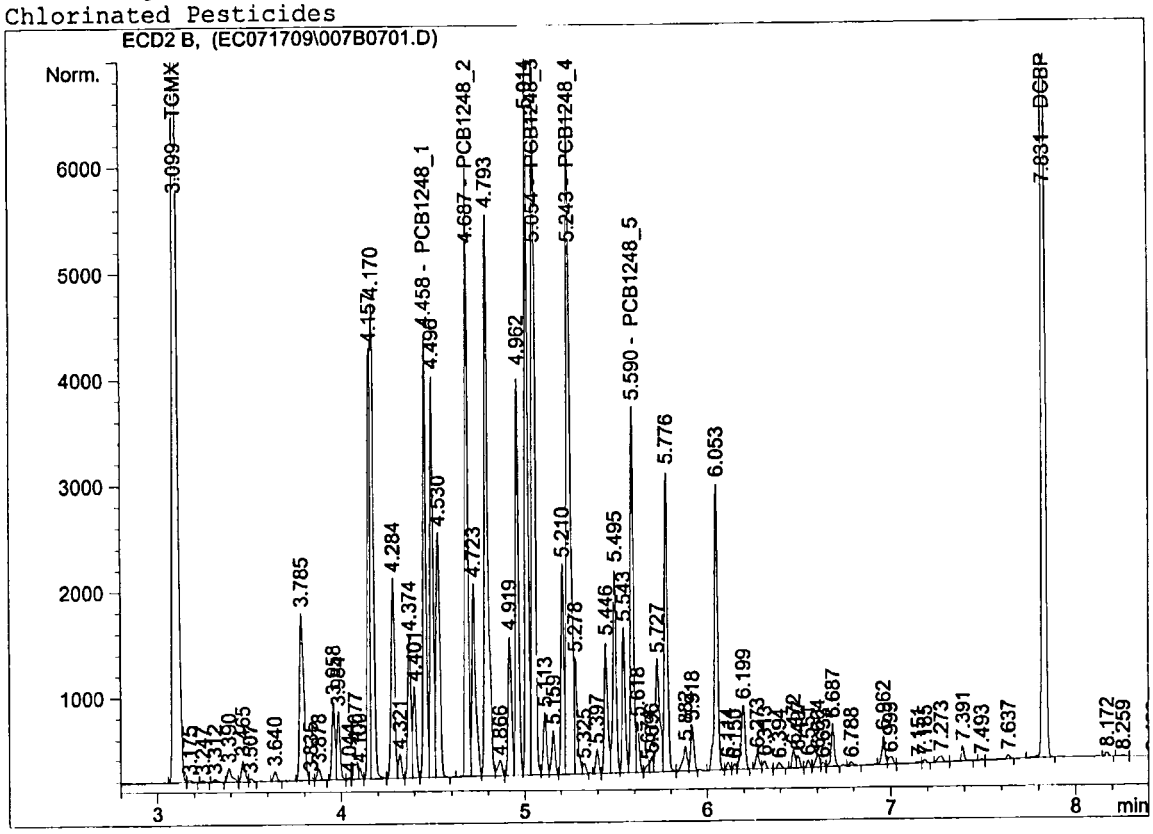
Injection Date : 7/17/2009 9:52:04 AM
Sample Name : cvs-1248-1000
Acq. Operator : BWS
Acq. Instrument : ECD2
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides

Seq. Line : 7
Location : Vial 7
Inj : 1
Inj Volume : 1 µl



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.099	VV	1.61054e4	6.75097e-3	108.72687		TCMX
4.458	VV	4675.91943	2.33710e-1	1092.80876		PCB1248_1
4.687	VV	6275.10400	1.74965e-1	1097.92565		PCB1248_2
5.054	VV	9248.97754	1.20032e-1	1110.17010		PCB1248_3
5.243	VV	9199.93066	1.20608e-1	1109.58934		PCB1248_4
5.590	VV	3774.15649	2.91125e-1	1098.75288		PCB1248_5
6.887		-	-	-		DBC
7.831	BB	1.63923e4	6.79092e-3	111.31867		DCBP

Totals : 5729.29227

7-20-09

PCB Calibration Verification Summary

Sample ID:	CVS-1254-1000	Date:	17-Jul-09 12:13
Instrument ID:	ECD2	ICAL Reference Date:	6/16/2009
		Column:	Back

Compound	Peak	RT	RT Window From	RT Window To	Concentration	Mean Concentration	%D
Aroclor 1254	1	5.04625	5.01625	5.07625	1048.580299	1084.644124	-8.46
	2	5.20916	5.17916	5.23916	1134.856987		
	3	5.58896	5.55896	5.61896	1055.642702		
	4	5.77545	5.74545	5.80545	1058.442559		
	5	6.19685	6.16685	6.22685	1125.698077		
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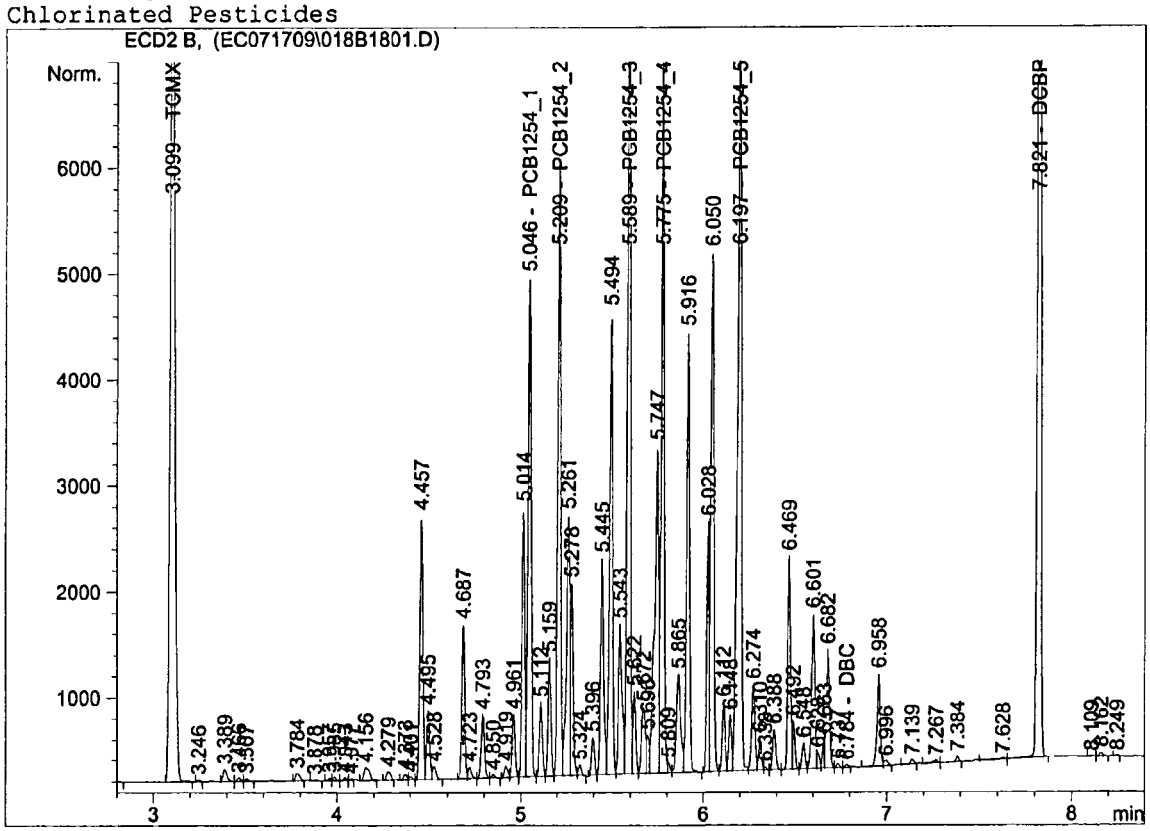
Injection Date : 7/17/2009 12:13:14 PM Seq. Line : 18
Sample Name : cvs-1254-1000 Location : Vial 18
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	BB	1.44455e4	7.16348e-3	103.48018		TCMX
5.046	VV	5560.23779	1.88586e-1	1048.58030		PCB1254_1
5.209	VV	6350.06689	1.78716e-1	1134.85699		PCB1254_2
5.589	VV	9422.69824	1.12032e-1	1055.64270		PCB1254_3
5.775	VV	7582.44971	1.39591e-1	1058.44256		PCB1254_4
6.197	VV	9966.92285	1.12943e-1	1125.69808		PCB1254_5
6.784	VV	31.77331	0.00000	0.00000		DBC
7.821	VB	1.49254e4	7.10916e-3	106.10718		DCBP

Totals : 5632.80798

BWS
7.20.09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 17-Jul-09 12:26
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1016	1	3.46495	3.43495	3.49495	936.1193233	934.90093	6.51
	2	3.78514	3.75514	3.81514	904.2615843		
	3	4.17021	4.14021	4.20021	978.244589		
	4	4.28497	4.25497	4.31497	921.8054813		
	5	4.68667	4.65667	4.71667	934.0736722		
Aroclor 1260	1	5.74805	5.71805	5.77805	957.2747759	964.243228	3.58
	2	5.9169	5.8869	5.9469	955.8047084		
	3	6.19561	6.16561	6.22561	966.1255924		
	4	6.68314	6.65314	6.71314	969.9771875		
	5	6.95623	6.92623	6.98623	972.0338759		
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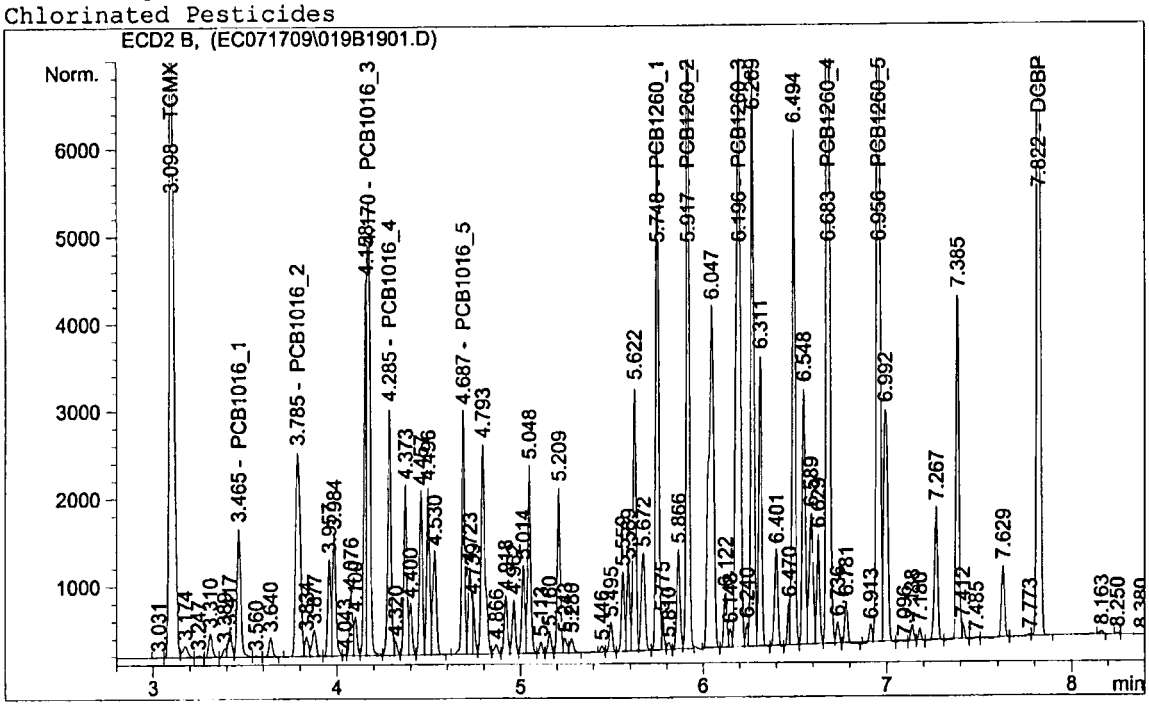
Injection Date : 7/17/2009 12:26:02 PM Seq. Line : 19
Sample Name : cvs-PCB-1000 Location : Vial 19
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.098	VV	1.31425e4	6.98999e-3	91.86569		TCMX
3.465	VV	2079.03735	4.50266e-1	936.11932		PCB1016_1
3.785	BV	4164.03174	2.17160e-1	904.26158		PCB1016_2
4.170	VV	6720.35645	1.45564e-1	978.24459		PCB1016_3
4.285	VV	3842.47949	2.39899e-1	921.80548		PCB1016_4
4.687	VV	3112.09961	3.00143e-1	934.07367		PCB1016_5
5.748	VV	6386.27197	1.49896e-1	957.27478		PCB1260_1
5.917	VV	8951.55566	1.06775e-1	955.80471		PCB1260_2
6.196	VV	1.12721e4	8.57095e-2	966.12559		PCB1260_3
6.683	VV	1.74434e4	5.56071e-2	969.97719		PCB1260_4
6.891		-	-	-		DBC
6.956	VV	1.12839e4	8.61431e-2	972.03388		PCB1260_5
7.822	VB	1.35896e4	7.02113e-3	95.41431		DCBP

Totals : 9683.00078

7-20-09

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 17-Jul-09 14:47
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1254	1	5.0465	5.0165	5.0765	1064.406037		
	2	5.20943	5.17943	5.23943	1145.109985		
	3	5.58922	5.55922	5.61922	1059.866823	1091.066682	-9.11
	4	5.77566	5.74566	5.80566	1065.369499		
	5	6.19706	6.16706	6.22706	1120.581063		
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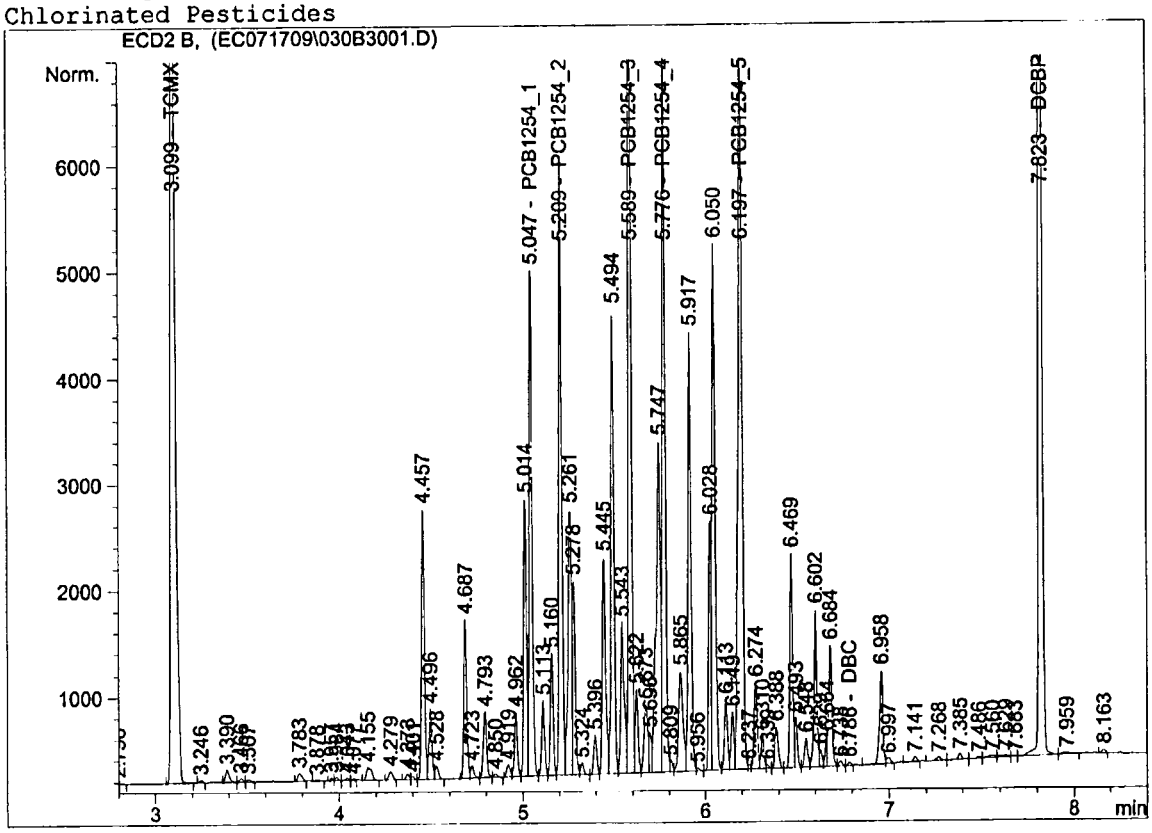
Injection Date : 7/17/2009 2:47:29 PM Seq. Line : 30
Sample Name : cvs-1254-1000 Location : Vial 30
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	VB	1.48008e4	7.15914e-3	105.96075		TCMX
5.047	VV	5645.15527	1.88552e-1	1064.40604		PCB1254_1
5.209	VV	6406.68848	1.78737e-1	1145.10999		PCB1254_2
5.589	VV	9461.17285	1.12023e-1	1059.86682		PCB1254_3
5.776	VV	7632.77686	1.39578e-1	1065.36950		PCB1254_4
6.197	VV	9921.42676	1.12946e-1	1120.58106		PCB1254_5
6.786	VV	35.20731	0.00000	0.00000		DBC
7.823	VB	1.55859e4	7.10278e-3	110.70338		DCBP

Totals : 5671.99755

BWS
7-20-09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 17-Jul-09 15:00
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1016	1	3.46515	3.43515	3.49515	943.12497	942.310938	5.77
	2	3.78575	3.75575	3.81575	886.1504619		
	3	4.17058	4.14058	4.20058	1009.990987		
	4	4.28493	4.25493	4.31493	931.7874599		
	5	4.68692	4.65692	4.71692	940.500811		
Aroclor 1260	1	5.74803	5.71803	5.77803	959.5227785	971.1116013	2.89
	2	5.91701	5.88701	5.94701	961.6241592		
	3	6.1957	6.1657	6.2257	973.82338		
	4	6.68395	6.65395	6.71395	979.6416462		
	5	6.9571	6.9271	6.9871	980.9460429		
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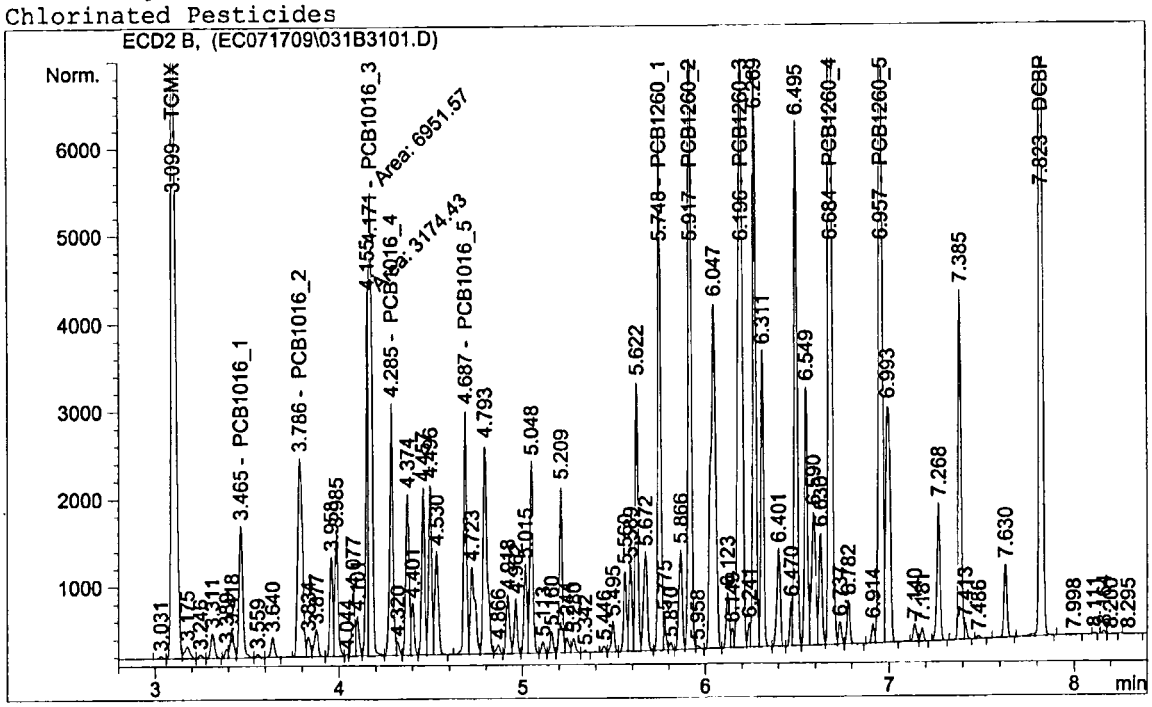
Injection Date : 7/17/2009 3:00:23 PM Seq. Line : 31
Sample Name : cvs-PCB-1000 Location : Vial 31
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

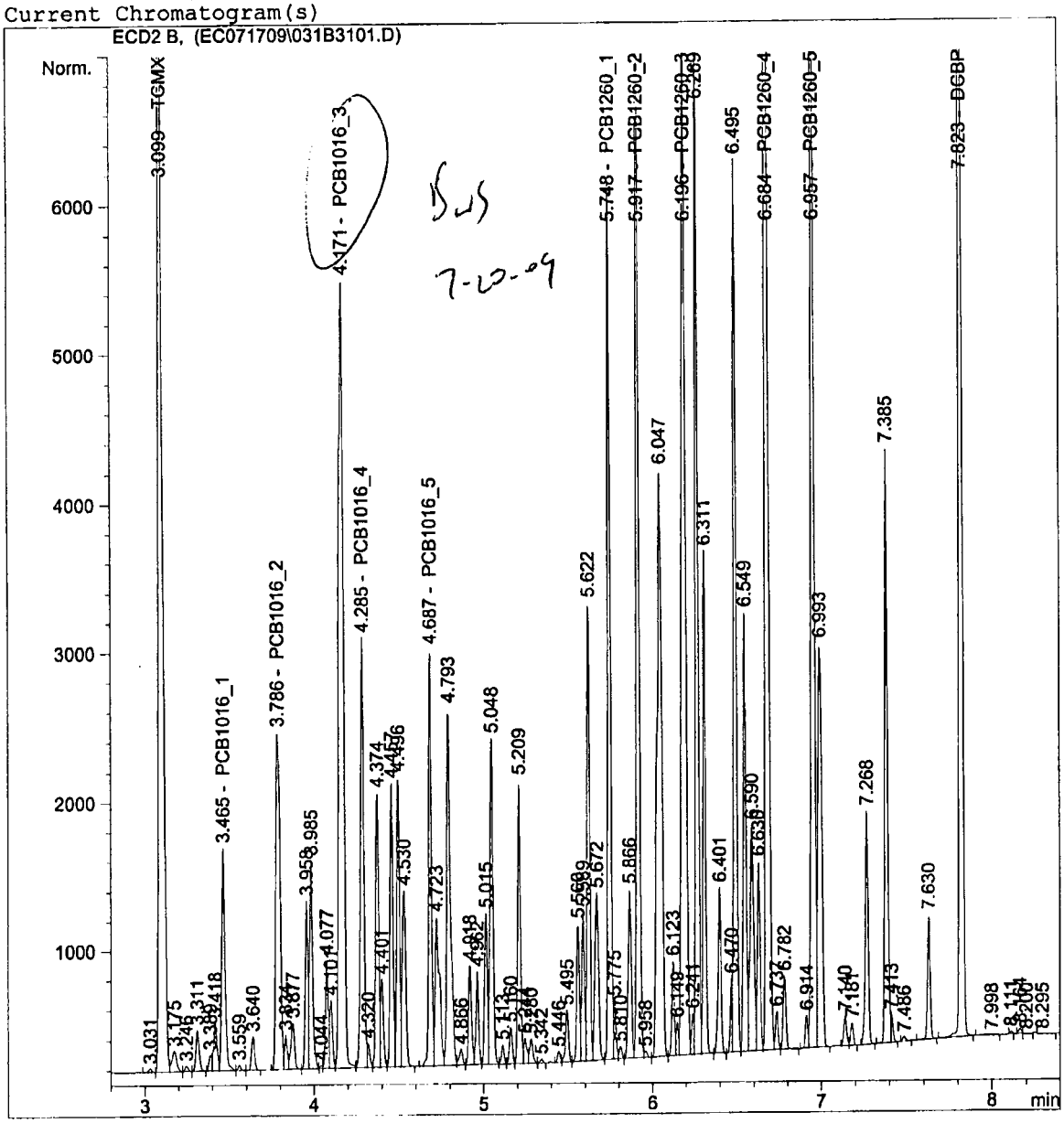
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	VV	1.32483e4	6.98823e-3	92.58250		TCMX
3.465	VV	2094.60986	4.50263e-1	943.12497		PCB1016_1
3.786	VV	4079.59766	2.17215e-1	886.15046		PCB1016_2
4.171	FM	6951.57275	1.45290e-1	1009.99099		PCB1016_3
4.285	VV	3884.60889	2.39866e-1	931.78746		PCB1016_4
4.687	VV	3133.86328	3.00109e-1	940.50081		PCB1016_5
5.748	VV	6401.51660	1.49890e-1	959.52278		PCB1260_1
5.917	VV	9007.17773	1.06762e-1	961.62416		PCB1260_2
6.196	VV	1.13648e4	8.56879e-2	973.82338		PCB1260_3
6.684	VV	1.76226e4	5.55901e-2	979.64165		PCB1260_4
6.891		-	-	-		DBC
6.957	VV	1.13904e4	8.61207e-2	980.94604		PCB1260_5
7.823	BB	1.39196e4	7.01695e-3	97.67289		DCBP

Totals : 9757.36809

BWS
7-20-09

Print of all graphic windows
Current Chromatogram(s)



ECD2 7/20/2009 7:58:35 AM BWS

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2
Date: 17-Jul-09 17:08
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.04674	5.01674	5.07674	1041.083704	1058.730373	-5.87
	2	5.20951	5.17951	5.23951	1116.325356		
	3	5.58947	5.55947	5.61947	1032.13041		
	4	5.77577	5.74577	5.80577	1027.096791		
	5	6.1971	6.1671	6.2271	1077.015602		
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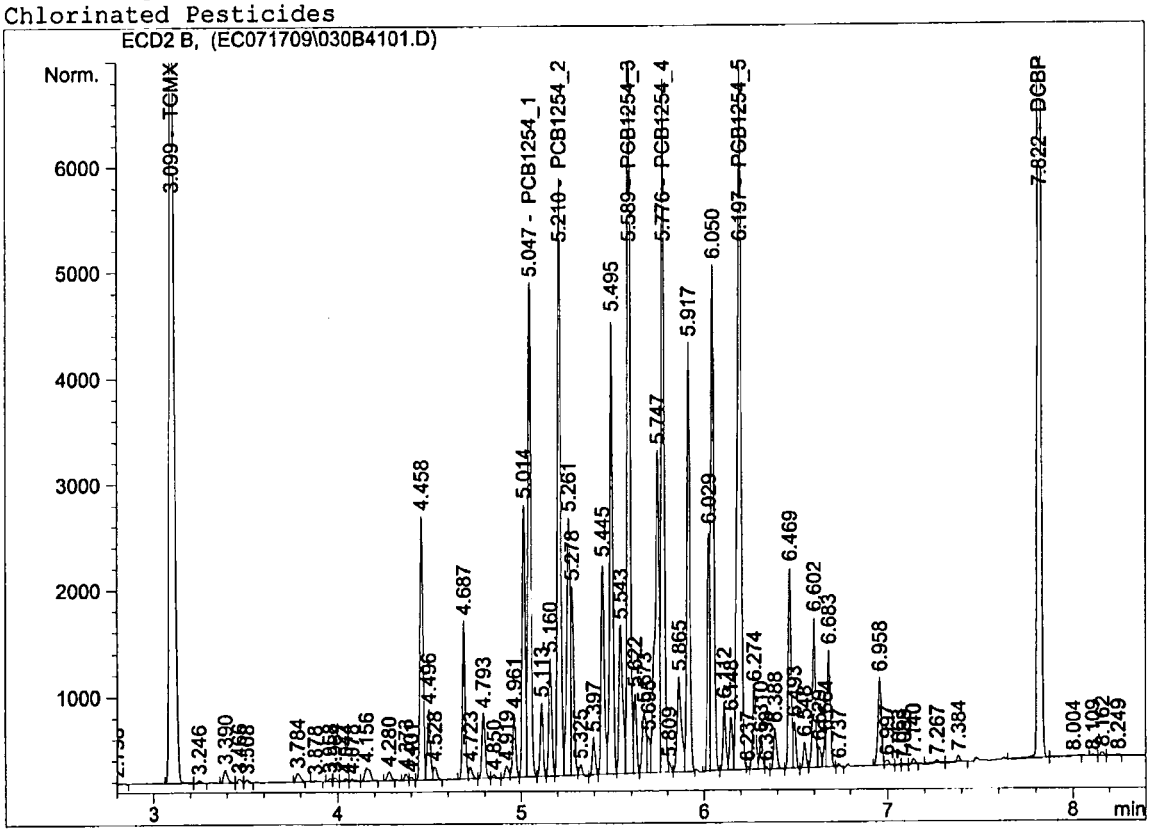
Injection Date : 7/17/2009 5:08:50 PM Seq. Line : 41
Sample Name : cvs-1254-1000 Location : Vial 30
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	PB	1.45628e4	7.16202e-3	104.29909		TCMX
5.047	VV	5520.01270	1.88602e-1	1041.08370		PCB1254_1
5.210	VV	6247.72705	1.78677e-1	1116.32536		PCB1254_2
5.589	VV	9208.54102	1.12084e-1	1032.13041		PCB1254_3
5.776	VV	7354.70947	1.39652e-1	1027.09679		PCB1254_4
6.197	VV	9534.08008	1.12965e-1	1077.01560		PCB1254_5
6.794		-	-	-		DBC
7.822	VB	1.47781e4	7.11066e-3	105.08176		DCBP

Totals : 5503.03272

BW
7-20-09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 17-Jul-09 17:21
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1016	1	3.46549	3.43549	3.49549	890.7082679	913.5682496	8.64
	2	3.7858	3.7558	3.8158	856.2853498		
	3	4.17051	4.14051	4.20051	958.5055215		
	4	4.28465	4.25465	4.31465	930.2987995		
	5	4.68675	4.65675	4.71675	932.0433094		
Aroclor 1260	1	5.7477	5.7177	5.7777	928.7742988	948.4846782	5.15
	2	5.91699	5.88699	5.94699	954.6026466		
	3	6.19546	6.16546	6.22546	932.3432601		
	4	6.68358	6.65358	6.71358	959.9506422		
	5	6.956	6.926	6.986	966.7525434		
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==========================================================================
Injection Date  : 7/17/2009 5:21:44 PM          Seq. Line :  42
Sample Name     : cvs-PCB-1000                   Location : Vial 31
Acq. Operator   : BWS                                Inj :  1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides
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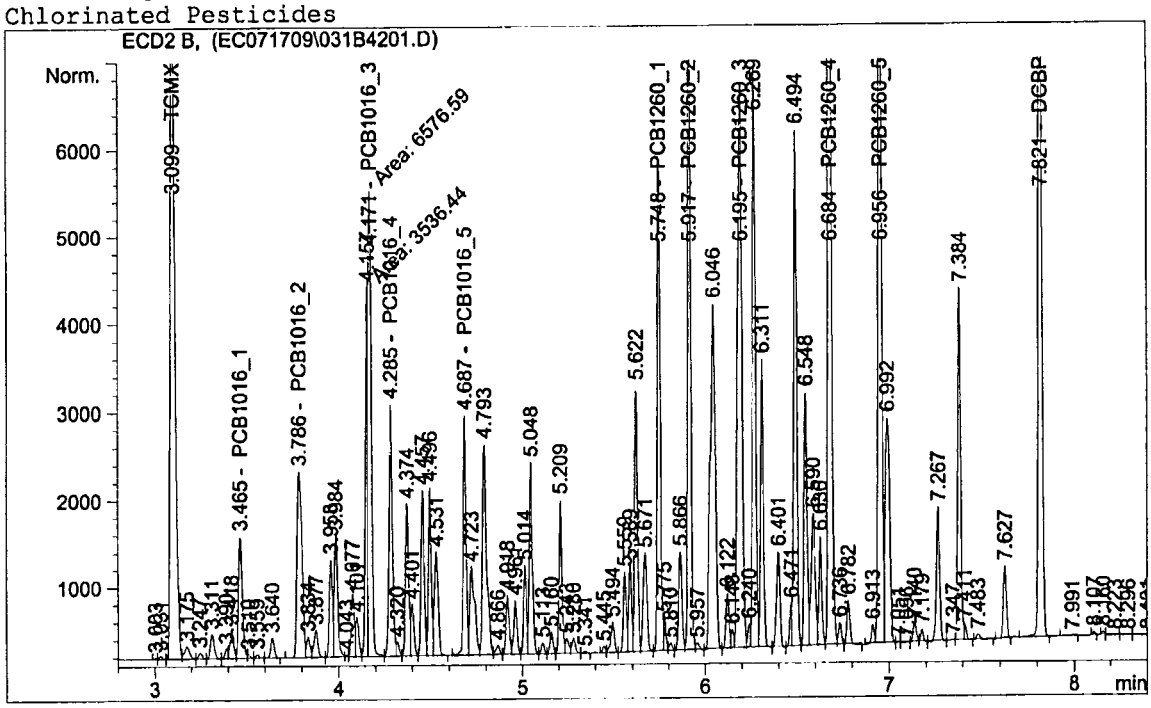


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==========================================================================
                        External Standard Report
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Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:11:39 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

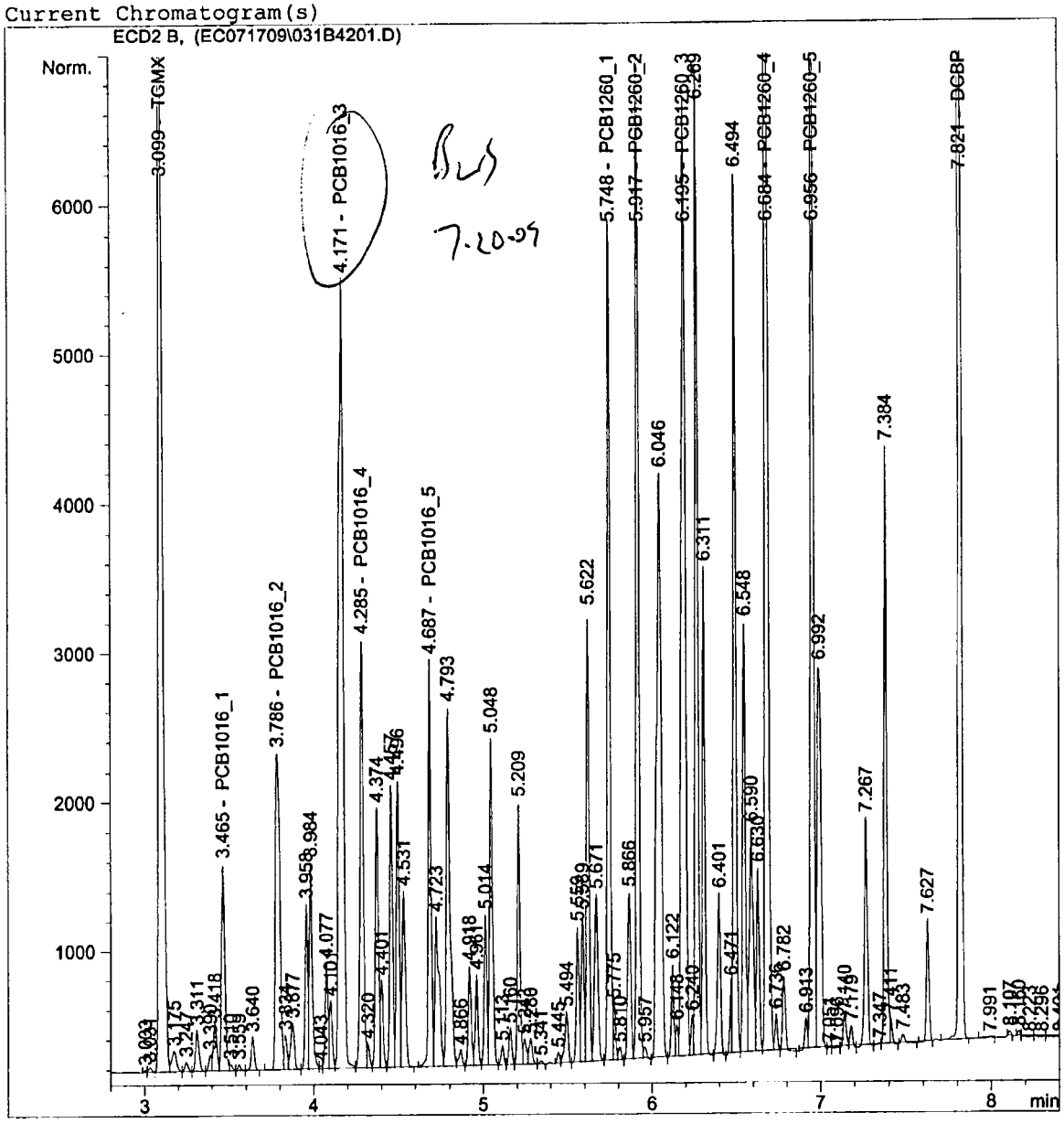
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	VV	1.31657e4	6.98960e-3	92.02275		TCMX
3.465	VV	1978.09534	4.50286e-1	890.70827		PCB1016_1
3.786	BV	3940.36646	2.17311e-1	856.28535		PCB1016_2
4.171	FM	6576.59229	1.45745e-1	958.50552		PCB1016_3
4.285	VV	3878.32593	2.39871e-1	930.29880		PCB1016_4
4.687	VV	3105.22437	3.00153e-1	932.04331		PCB1016_5
5.748	VV	6192.99854	1.49972e-1	928.77430		PCB1260_1
5.917	VV	8940.06641	1.06778e-1	954.60265		PCB1260_2
6.195	VV	1.08654e4	8.58084e-2	932.34326		PCB1260_3
6.684	VV	1.72575e4	5.56251e-2	959.95064		PCB1260_4
6.891		-	-	-		DBC
6.956	VV	1.12209e4	8.61565e-2	966.75254		PCB1260_5
7.821	VB	1.37343e4	7.01927e-3	96.40460		DCBP

Totals : 9498.69199

RWJ
7-20-09

Print of all graphic windows
Current Chromatogram(s)



ECD2 7/20/2009 7:59:26 AM BWS

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 17-Jul-09 18:51
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.04707	5.01707	5.07707	1083.561159	1119.864689	-12.0
	2	5.20994	5.17994	5.23994	1169.985759		
	3	5.58963	5.55963	5.61963	1087.787864		
	4	5.77617	5.74617	5.80617	1094.027759		
	5	6.19758	6.16758	6.22758	1163.960902		
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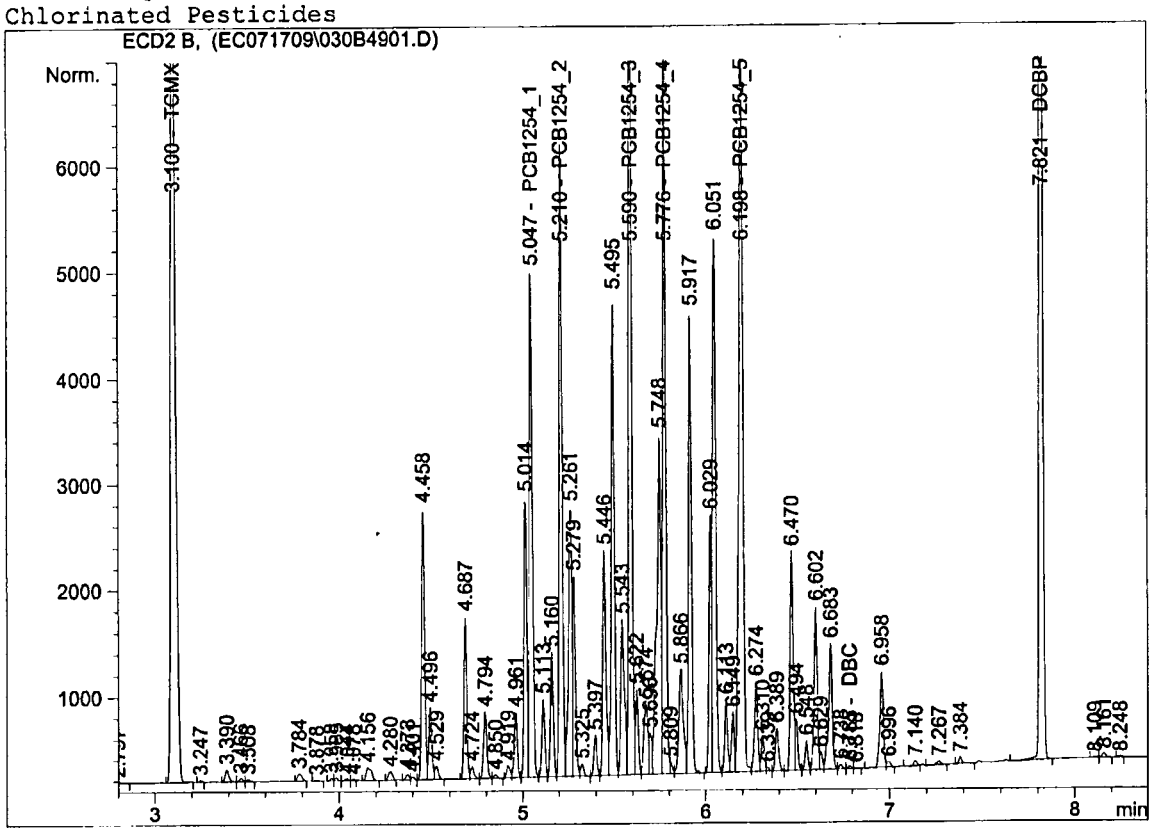
==========================================================================
Injection Date  : 7/17/2009 6:51:55 PM          Seq. Line :  49
Sample Name     : cvs-1254-1000                  Location : Vial 30
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	VB	1.48784e4	7.15822e-3	106.50323		TCMX
5.047	VV	5747.93750	1.88513e-1	1083.56116		PCB1254_1
5.210	VV	6544.06348	1.78786e-1	1169.98576		PCB1254_2
5.590	VV	9715.48633	1.11964e-1	1087.78786		PCB1254_3
5.776	VV	7840.99121	1.39527e-1	1094.02776		PCB1254_4
6.198	VV	1.03071e4	1.12928e-1	1163.96090		PCB1254_5
6.785	VV	37.96225	0.00000	0.00000		DBC
7.821	VB	1.55702e4	7.10292e-3	110.59406		DCBP

Totals : 5816.42073

SLJ
7-20-09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 17-Jul-09 19:04
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1016	1	3.46625	3.43625	3.49625	960.7741254	956.5642124	4.34
	2	3.78629	3.75629	3.81629	910.0423002		
	3	4.17121	4.14121	4.20121	994.9964723		
	4	4.28518	4.25518	4.31518	953.8696126		
	5	4.68741	4.65741	4.71741	963.1385516		
Aroclor 1260	1	5.74795	5.71795	5.77795	980.9992284	995.3543715	0.465
	2	5.91682	5.88682	5.94682	986.8030897		
	3	6.19547	6.16547	6.22547	993.3267403		
	4	6.68299	6.65299	6.71299	1003.926631		
	5	6.95598	6.92598	6.98598	1011.716168		
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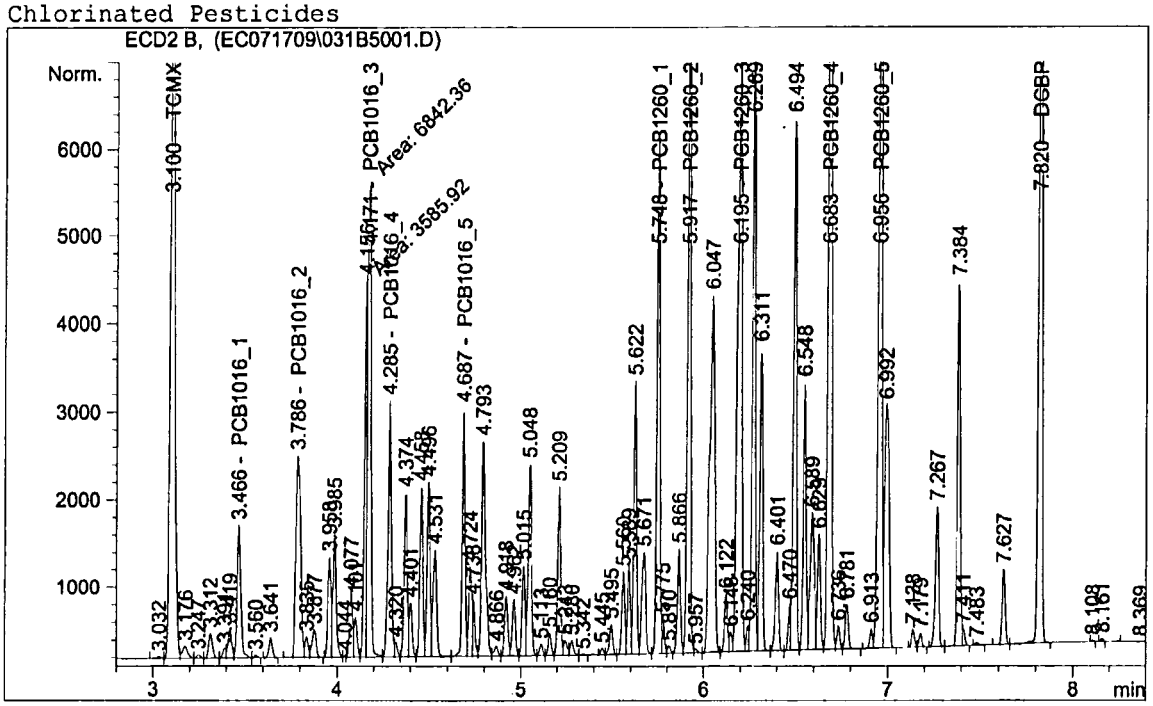
Injection Date : 7/17/2009 7:04:30 PM Seq. Line : 50
Sample Name : cvs-PCB-1000 Location : Vial 31
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

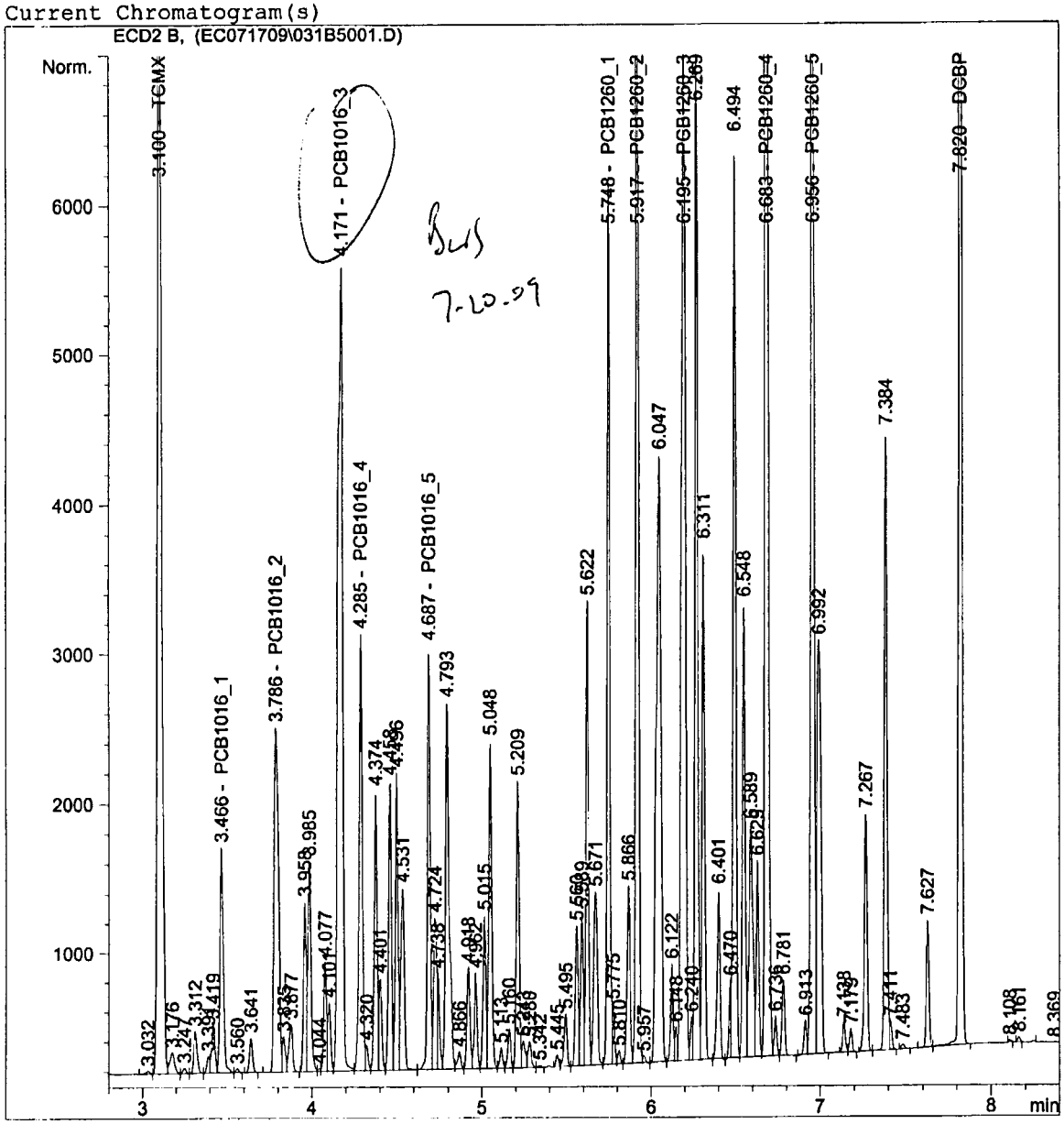
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	VV	1.35125e4	6.98397e-3	94.37110		TCMX
3.466	VV	2133.84131	4.50256e-1	960.77413		PCB1016_1
3.786	BV	4190.98145	2.17143e-1	910.04230		PCB1016_2
4.171	FM	6842.36426	1.45417e-1	994.99647		PCB1016_3
4.285	VV	3977.80762	2.39798e-1	953.86961		PCB1016_4
4.687	VV	3210.51953	2.99995e-1	963.13855		PCB1016_5
5.748	VV	6547.15723	1.49836e-1	980.99923		PCB1260_1
5.917	VV	9247.83691	1.06706e-1	986.80309		PCB1260_2
6.195	VV	1.15996e4	8.56348e-2	993.32674		PCB1260_3
6.683	VV	1.80728e4	5.55490e-2	1003.92663		PCB1260_4
6.891		-	-	-		DBC
6.956	VV	1.17578e4	8.60465e-2	1011.71617		PCB1260_5
7.820	VB	1.42664e4	7.01277e-3	100.04689		DCBP

Totals : 9954.01091

BWS
7-20-09

Print of all graphic windows
Current Chromatogram(s)



PCB Calibration Verification Summary

Sample ID: CVS-1221-1000
Instrument ID: ECD2

Date: 20-Jul-09 08:15
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window				
Compound	Peak	RT	From	To	Concentration	Mean Concentration	%D
Aroclor 1221	1	3.31163	3.28163	3.34163	1043.316304	1047.000126	-4.70
	2	3.41842	3.38842	3.44842	1051.470614		
	3	3.46598	3.43598	3.49598	1046.213461		
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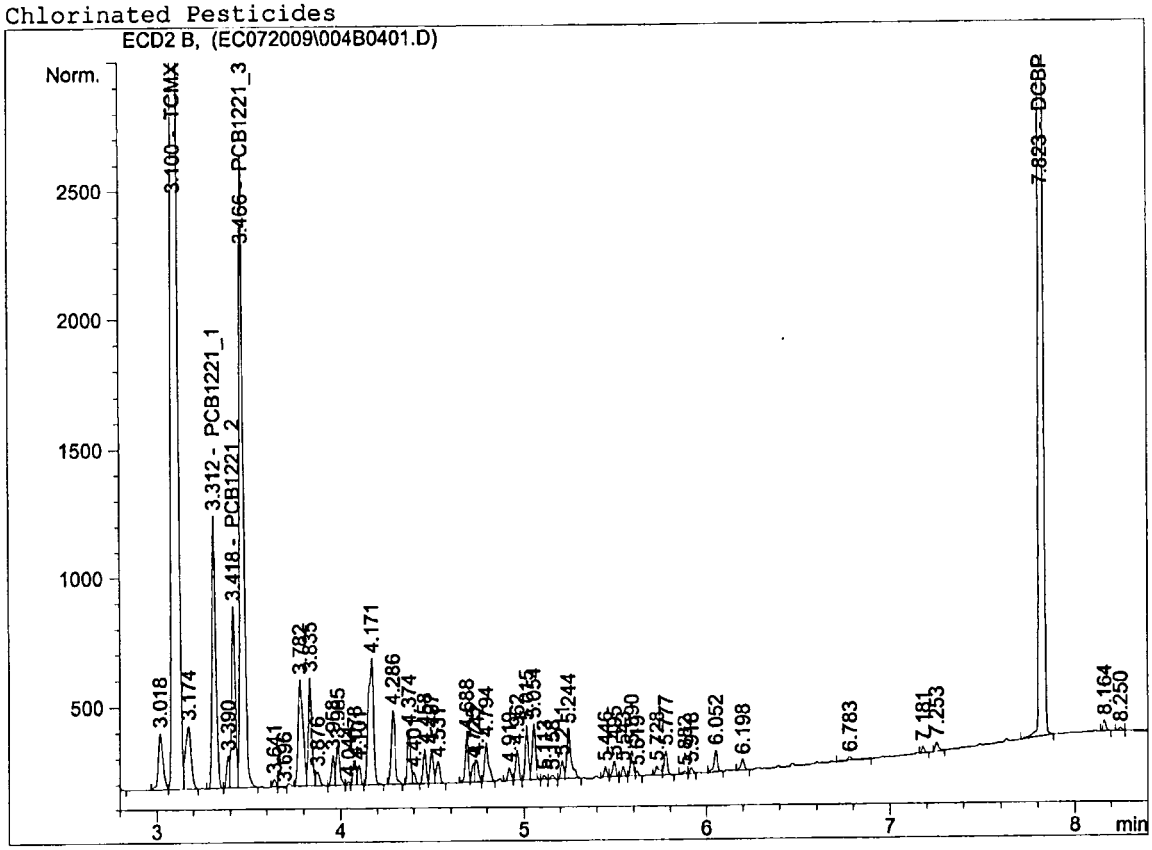
Injection Date  : 7/20/2009 8:15:58 AM          Seq. Line :   4
Sample Name     : cvs-1221-1000                  Location : Vial 4
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072009\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/22/2009 9:37:20 AM by BWS
Chlorinated Pesticides
```

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                        External Standard Report
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Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.100	VV	1.52452e4	6.87475e-3	104.80727		TCMX
3.312	VV	1474.80347	7.07427e-1	1043.31630		PCB1221_1
3.418	VV	953.76355	1.10244	1051.47061		PCB1221_2
3.466	VB	3542.99536	2.95291e-1	1046.21346		PCB1221_3
6.890		-	-	-		DBC
7.823	BB	1.55652e4	6.83264e-3	106.35117		DCBP

Totals : 3352.15881

Results obtained with enhanced integrator!

BWS 7-20-09

PCB Calibration Verification Summary

Sample ID:	CVS-1232-1000	Date:	20-Jul-09 08:28
Instrument ID:	ECD2	ICAL Reference Date:	6/16/2009
		Column:	Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1232	1	3.46493	3.43493	3.49493	1049.296809	1049.661693	-4.97
	2	3.78424	3.75424	3.81424	1039.677939		
	3	4.17011	4.14011	4.20011	1062.969878		
	4	4.68636	4.65636	4.71636	1044.29495		
	5	5.05353	5.02353	5.08353	1052.068887		
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	4						
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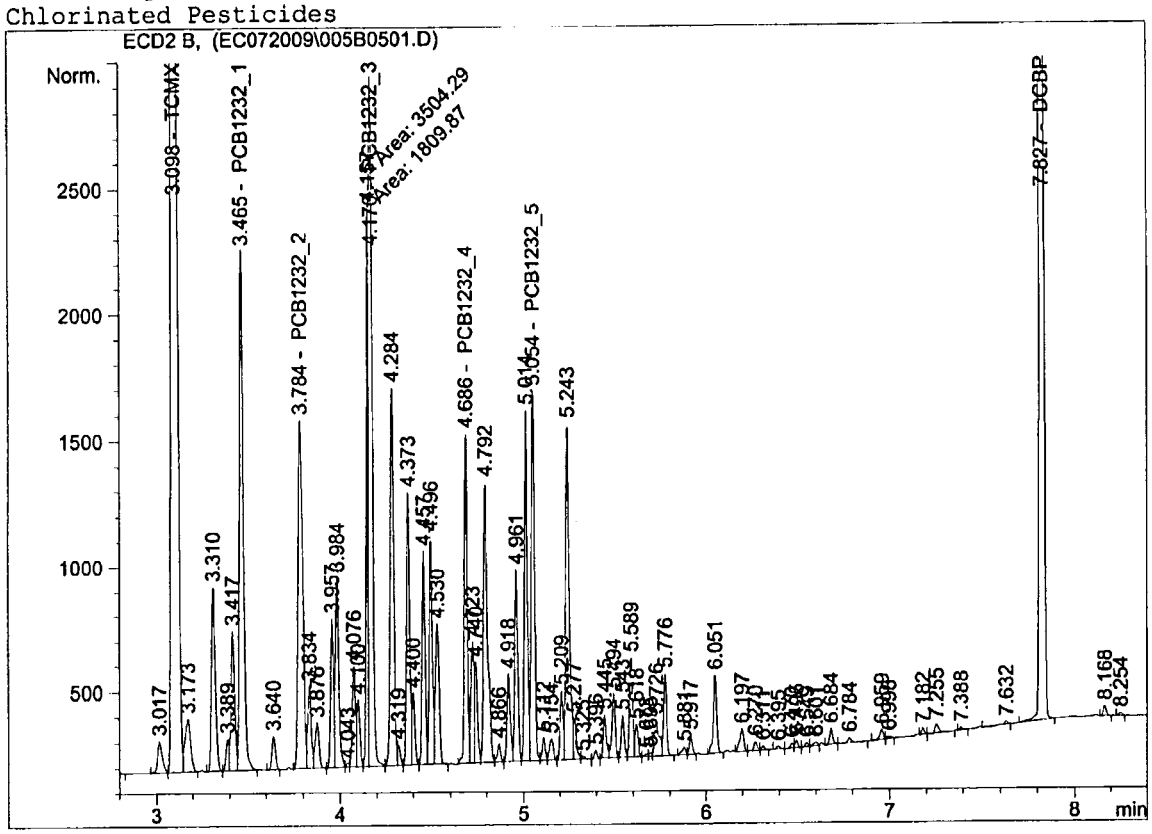
==========================================================================
Injection Date  : 7/20/2009 8:28:51 AM          Seq. Line :   5
Sample Name     : cvs-1232-1000                  Location : Vial 5
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072009\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/22/2009 9:38:06 AM by BWS
Chlorinated Pesticides
```

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==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

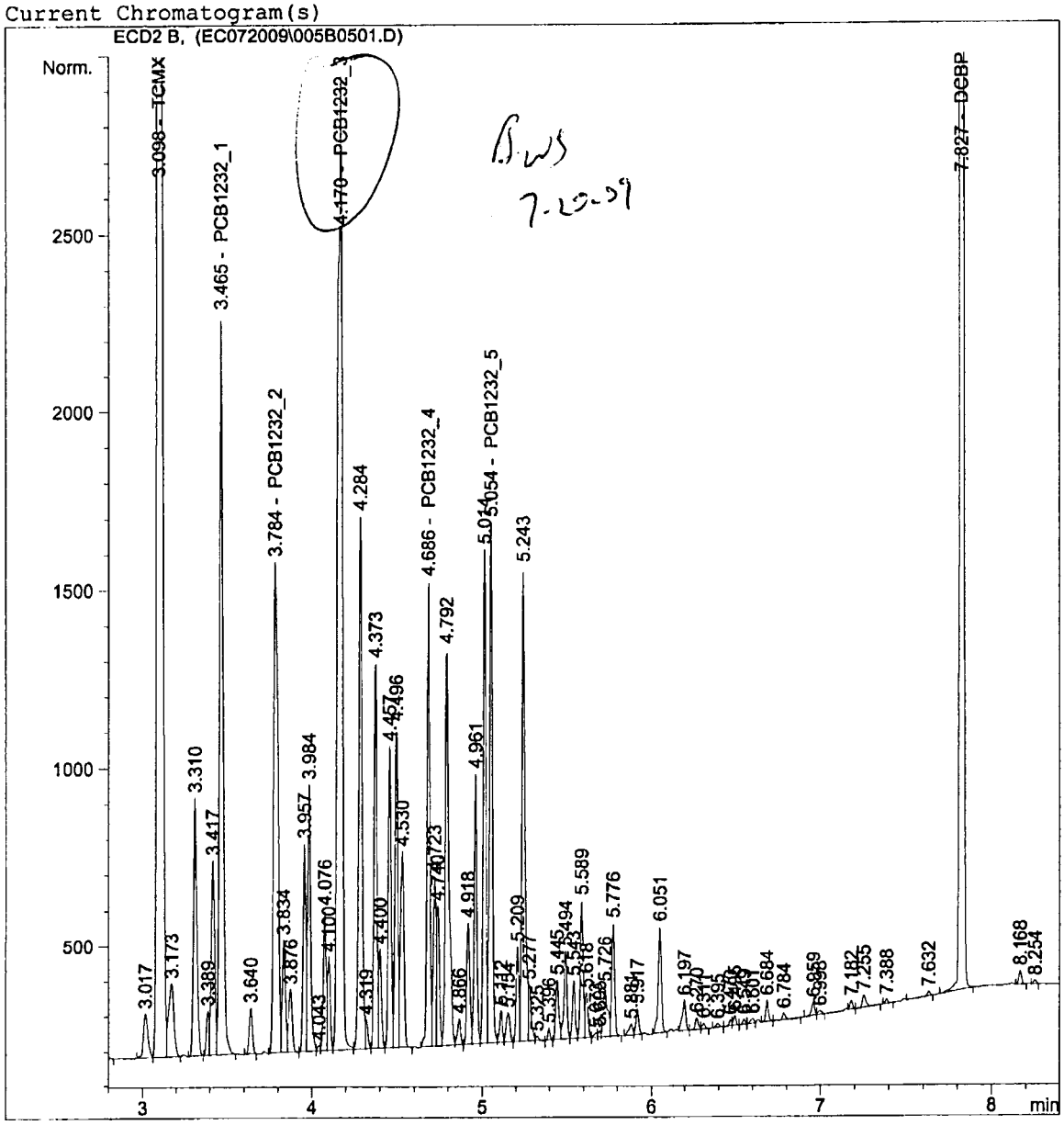
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.098	VV	1.54628e4	6.77551e-3	104.76816		TCMX
3.465	VB	2981.17334	3.51974e-1	1049.29681		PCB1232_1
3.784	VV	2438.03198	4.26441e-1	1039.67794		PCB1232_2
4.170	FM	3504.28760	3.03334e-1	1062.96988		PCB1232_3
4.686	PV	1486.40955	7.02562e-1	1044.29495		PCB1232_4
5.054	VV	1780.93762	5.90739e-1	1052.06889		PCB1232_5
6.889		-	-	-		DBC
7.827	BB	1.59237e4	6.76579e-3	107.73681		DCBP

Totals : 5460.81344

BWS
7-20-09

Print of all graphic windows
Current Chromatogram(s)



PCB Calibration Verification Summary

Sample ID: CVS-1242-1000
Instrument ID: ECD2

Date: 20-Jul-09 08:41
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1242	1	3.46547	3.43547	3.49547	1029.955222	1070.827598	-7.08
	2	3.78559	3.75559	3.81559	1013.531434		
	3	4.17055	4.14055	4.20055	1147.858897		
	4	4.68653	4.65653	4.71653	1070.117412		
	5	5.05382	5.02382	5.08382	1092.675025		
	1						
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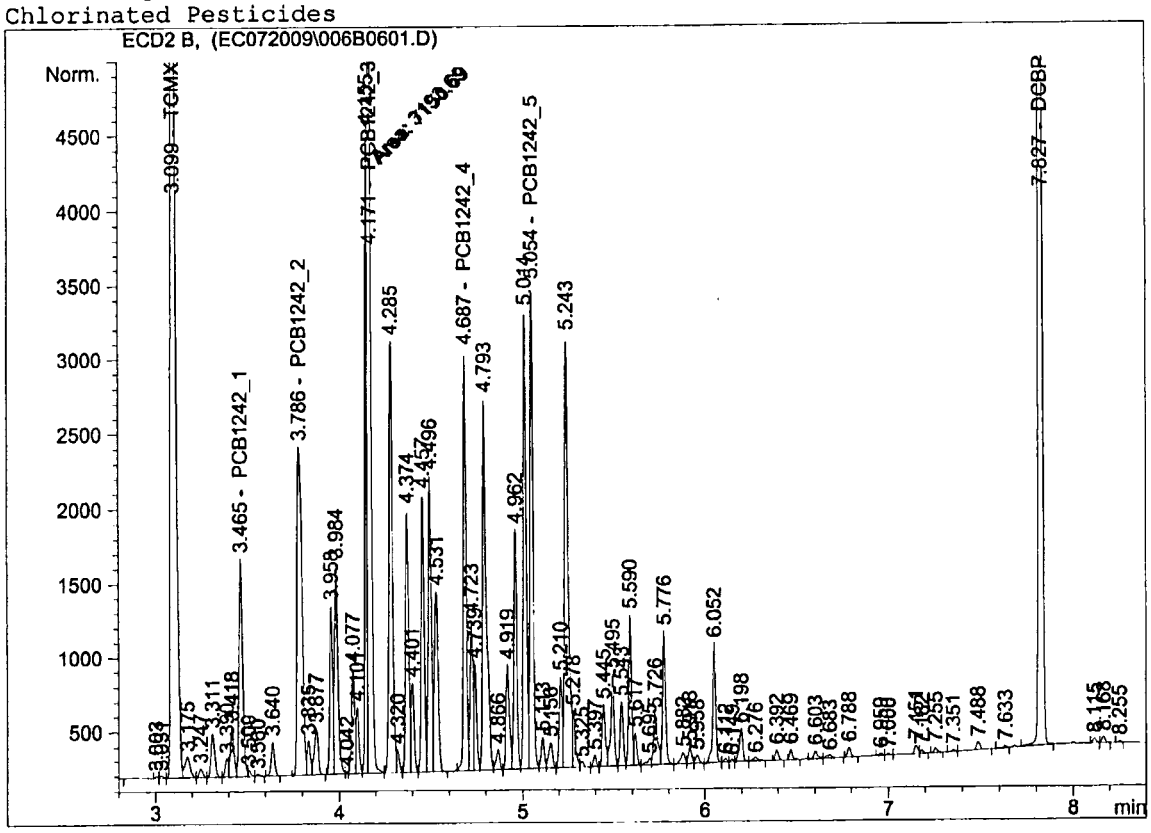
Injection Date : 7/20/2009 8:41:45 AM Seq. Line : 6
Sample Name : cvs-1242-1000 Location : Vial 6
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072009\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/22/2009 9:38:47 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

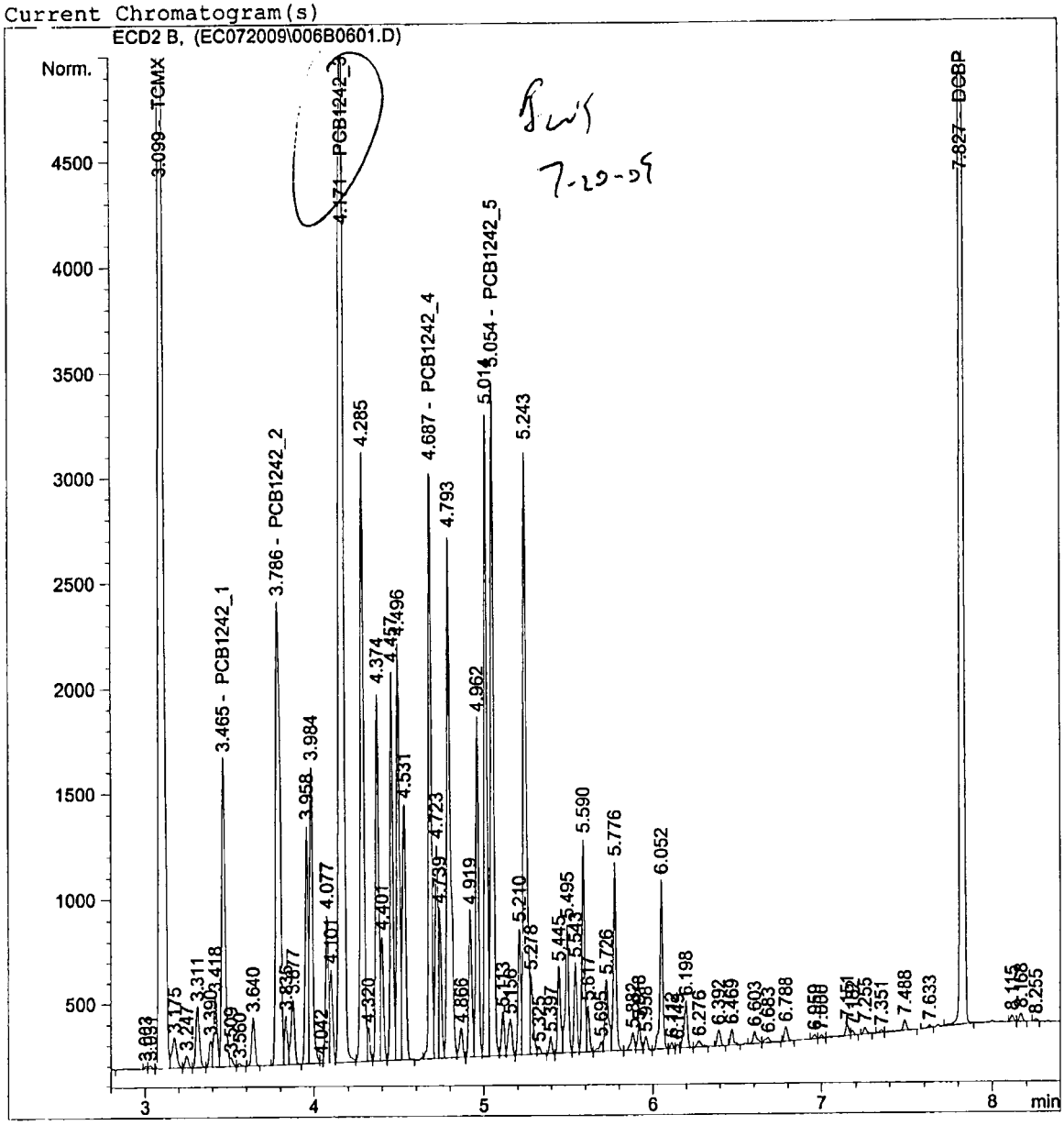
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.099	VV	1.56384e4	6.95275e-3	108.72992		TCMX
3.465	VV	2051.23193	5.02115e-1	1029.95522		PCB1242_1
3.786	VV	4049.08936	2.50311e-1	1013.53143		PCB1242_2
4.171	FM	7150.69238	1.60524e-1	1147.85890		PCB1242_3
4.687	VV	3143.21069	3.40454e-1	1070.11741		PCB1242_4
5.054	VV	3876.34155	2.81883e-1	1092.67503		PCB1242_5
6.888		-	-	-		DBC
7.827	BB	1.60631e4	6.99337e-3	112.33529		DCBP

Totals : 5575.20320

BWS
7-20-09

Print of all graphic windows
Current Chromatogram(s)



ECD2 7/20/2009 10:52:11 AM BWS

Page 1 of 1

PCB Calibration Verification Summary

Sample ID: CVS-1248-1000
Instrument ID: ECD2

Date: 20-Jul-09 08:54
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1248	1	4.45689	4.42689	4.48689	1036.005091	1036.73506	-3.67
	2	4.68625	4.65625	4.71625	1024.043734		
	3	5.05263	5.02263	5.08263	1051.609754		
	4	5.24232	5.21232	5.27232	1033.921885		
	5	5.58894	5.55894	5.61894	1038.094835		
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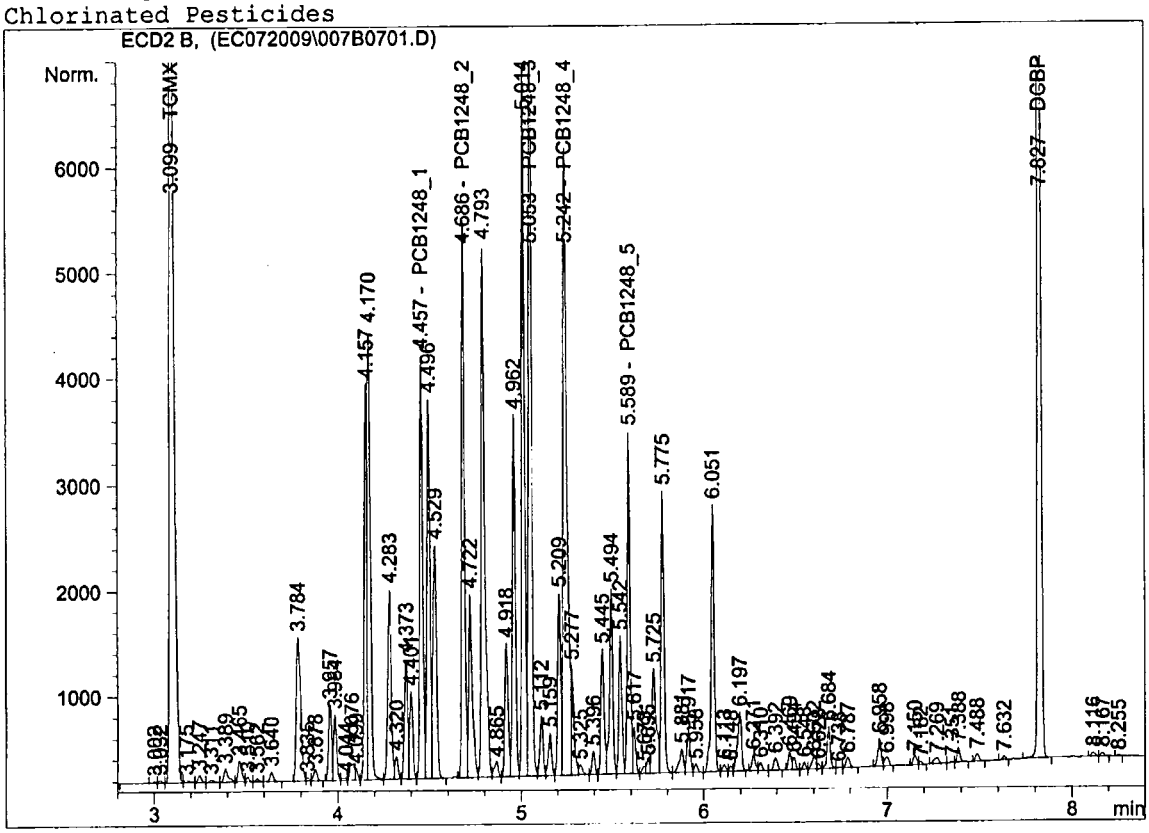
Injection Date : 7/20/2009 8:54:33 AM Seq. Line : 7
Sample Name : cvs-1248-1000 Location : Vial 7
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072009\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.099	VV	1.51978e4	6.77158e-3	102.91283		TCMX
4.457	VV	4424.14795	2.34171e-1	1036.00509		PCB1248_1
4.686	VV	5835.61670	1.75482e-1	1024.04373		PCB1248_2
5.053	VV	8740.95703	1.20308e-1	1051.60975		PCB1248_3
5.242	VV	8543.28223	1.21022e-1	1033.92189		PCB1248_4
5.589	VV	3556.56348	2.91881e-1	1038.09484		PCB1248_5
6.887		-	-	-		DBC
7.827	BB	1.55514e4	6.80725e-3	105.86255		DCBP

Totals : 5392.45068

BWS
7-20-09

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 20-Jul-09 09:07
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.04641	5.01641	5.07641	1061.631021	1097.335353	-9.73
	2	5.20942	5.17942	5.23942	1151.618762		
	3	5.58929	5.55929	5.61929	1066.890908		
	4	5.77555	5.74555	5.80555	1068.504466		
	5	6.19723	6.16723	6.22723	1138.031609		
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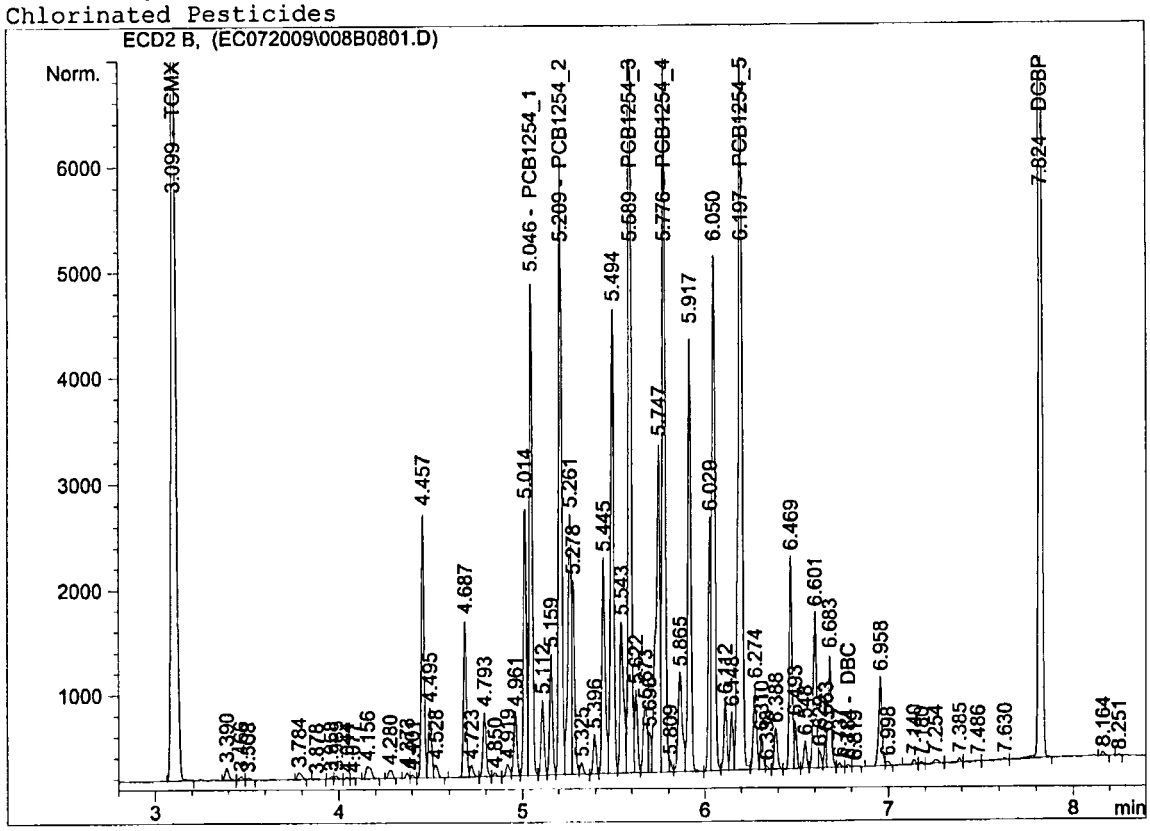
==================================================================
Injection Date  : 7/20/2009 9:07:22 AM          Seq. Line :   8
Sample Name     : cvs-1254-1000                  Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072009\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                    External Standard Report
==================================================================
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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	BB	1.46699e4	7.16072e-3	105.04729		TCMX
5.046	VV	5630.26514	1.88558e-1	1061.63102		PCB1254_1
5.209	VV	6442.63281	1.78750e-1	1151.61876		PCB1254_2
5.589	VV	9525.15039	1.12008e-1	1066.89091		PCB1254_3
5.776	VV	7655.55371	1.39572e-1	1068.50447		PCB1254_4
6.197	VV	1.00766e4	1.12938e-1	1138.03161		PCB1254_5
6.784	VV	31.42663	0.00000	0.00000		DBC
7.824	VB	1.50193e4	7.10822e-3	106.76066		DCBP

Totals : 5698.48472

BW 7-20-09

PCB Calibration Verification Summary

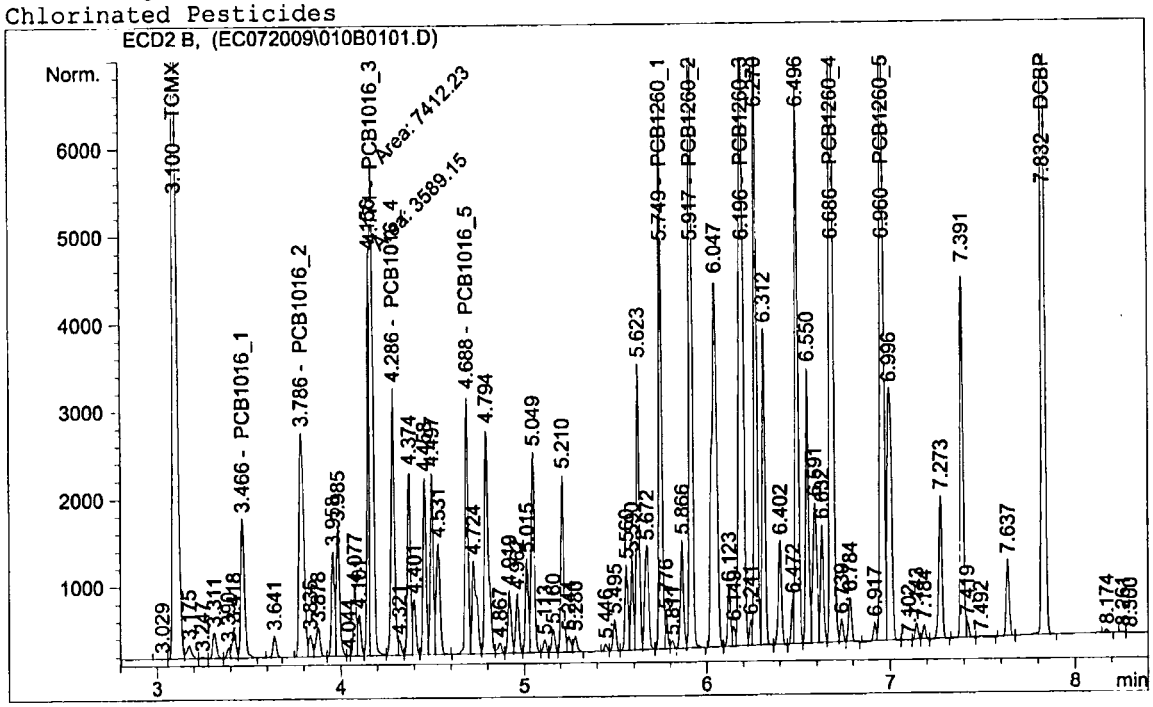
Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 20-Jul-09 09:53
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1016	1	3.46589	3.43589	3.49589	1002.930798	1008.855328	-0.886
	2	3.78604	3.75604	3.81604	981.07421		
	3	4.17149	4.14149	4.20149	1073.24002		
	4	4.28575	4.25575	4.31575	990.8294612		
	5	4.6878	4.6578	4.7178	996.2021519		
Aroclor 1260	1	5.74856	5.71856	5.77856	1022.056508	1035.090324	-3.51
	2	5.91722	5.88722	5.94722	1027.642746		
	3	6.19641	6.16641	6.22641	1035.603773		
	4	6.68597	6.65597	6.71597	1043.980349		
	5	6.96006	6.93006	6.99006	1046.168243		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

Injection Date : 7/20/2009 9:53:27 AM
Sample Name : cvs-PCB-1000
Acq. Operator : BWS
Acq. Instrument : ECD2
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:45:10 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072009\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides

Seq. Line : 1
Location : Vial 10
Inj : 1
Inj Volume : 1 µl



External Standard Report

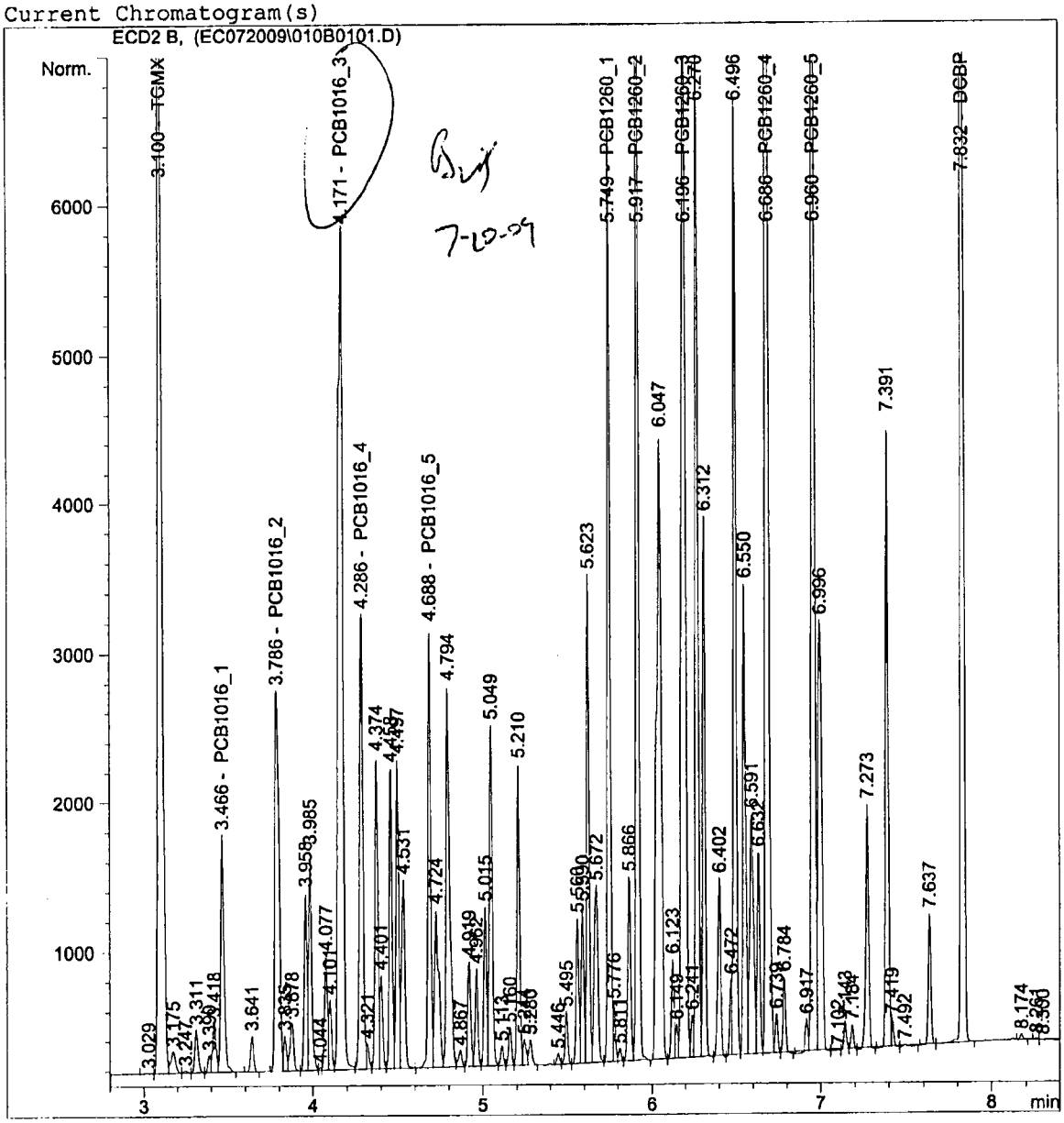
Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	VV	1.42101e4	6.97349e-3	99.09387		TCMX
3.466	VB	2227.54932	4.50240e-1	1002.93080		PCB1016_1
3.786	VV	4522.13232	2.16949e-1	981.07421		PCB1016_2
4.171	FM	7412.22998	1.44793e-1	1073.24002		PCB1016_3
4.286	VV	4133.79834	2.39690e-1	990.82946		PCB1016_4
4.688	PV	3322.47998	2.99837e-1	996.20215		PCB1016_5
5.749	VV	6825.58350	1.49739e-1	1022.05651		PCB1260_1
5.917	VB	9638.18066	1.06622e-1	1027.64275		PCB1260_2
6.196	VV	1.21085e4	8.55269e-2	1035.60377		PCB1260_3
6.686	VV	1.88154e4	5.54855e-2	1043.98035		PCB1260_4
6.891		-	-	-		DBC
6.960	VV	1.21692e4	8.59688e-2	1046.16824		PCB1260_5
7.832	VB	1.46327e4	7.00856e-3	102.55399		DCBP
Totals :				1.04214e4		

BWS
7-20-07

Print of all graphic windows
Current Chromatogram(s)



PCB Calibration Verification Summary

Sample ID:	CVS-1254-1000	Date:	20-Jul-09 10:19
Instrument ID:	ECD2	ICAL Reference Date:	6/16/2009
		Column:	Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.04669	5.01669	5.07669	1055.668671	1085.429534	-8.54
	2	5.20926	5.17926	5.23926	1132.044422		
	3	5.58905	5.55905	5.61905	1059.032892		
	4	5.77569	5.74569	5.80569	1056.338401		
	5	6.19672	6.16672	6.22672	1124.063286		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
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	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

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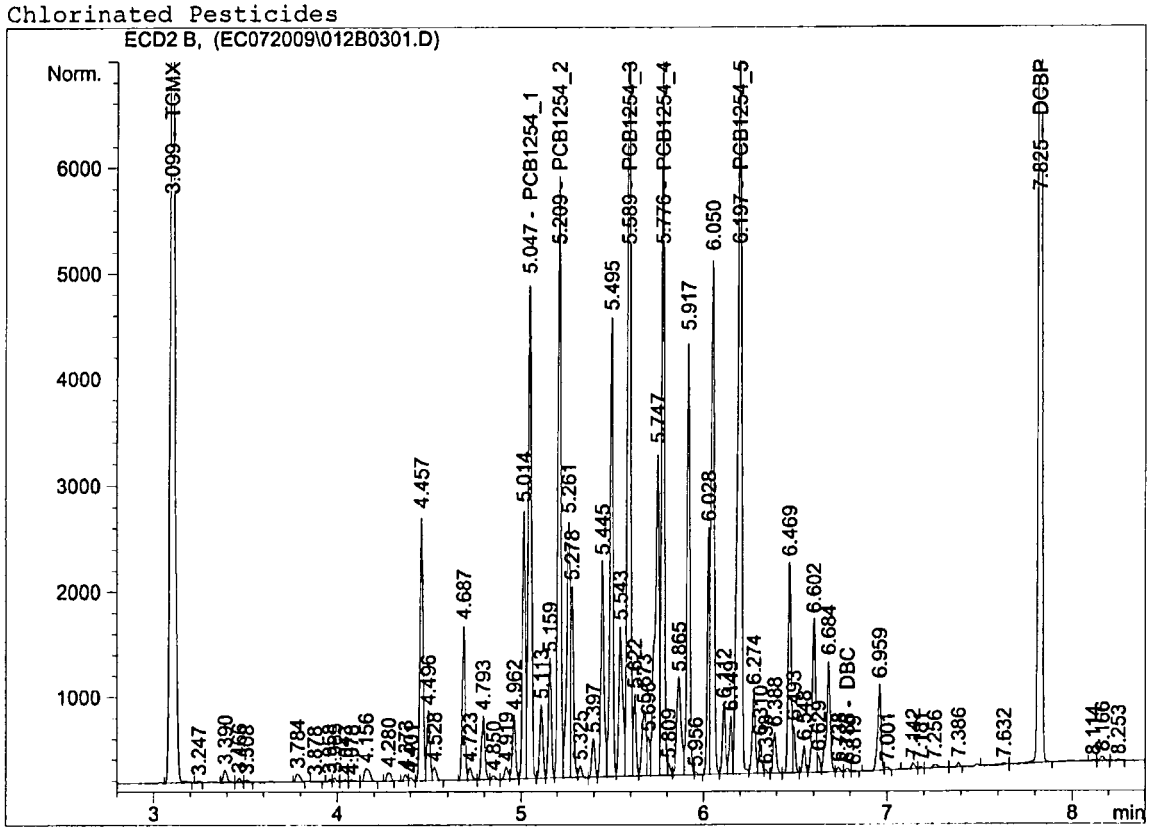
Injection Date : 7/20/2009 10:19:06 AM Seq. Line : 3
Sample Name : cvs-1254-1000 Location : Vial 12
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072009\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	VB	1.45530e4	7.16215e-3	104.23054		TCMX
5.047	VV	5598.27246	1.88570e-1	1055.66867		PCB1254_1
5.209	VV	6334.53467	1.78710e-1	1132.04442		PCB1254_2
5.589	VV	9453.57715	1.12025e-1	1059.03289		PCB1254_3
5.776	VV	7567.16211	1.39595e-1	1056.33840		PCB1254_4
6.197	VV	9952.38770	1.12944e-1	1124.06329		PCB1254_5
6.786	VV	38.43555	0.00000	0.00000		DBC
7.825	VB	1.50161e4	7.10825e-3	106.73837		DCBP

Totals : 5638.11658

BWS
7-20-09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 20-Jul-09 10:31
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1016	1	3.46532	3.43532	3.49532	1016.413579	1017.200981	-1.72
	2	3.78524	3.75524	3.81524	982.7157435		
	3	4.17035	4.14035	4.20035	1060.129784		
	4	4.28493	4.25493	4.31493	1006.943321		
	5	4.6866	4.6566	4.7166	1019.802478		
Aroclor 1260	1	5.7476	5.7176	5.7776	1036.377237	1049.106879	-4.91
	2	5.91674	5.88674	5.94674	1041.773435		
	3	6.19526	6.16526	6.22526	1045.30082		
	4	6.68365	6.65365	6.71365	1059.863912		
	5	6.9566	6.9266	6.9866	1062.218992		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
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	5						
	1						
	2						
	3						
	4						
	5						

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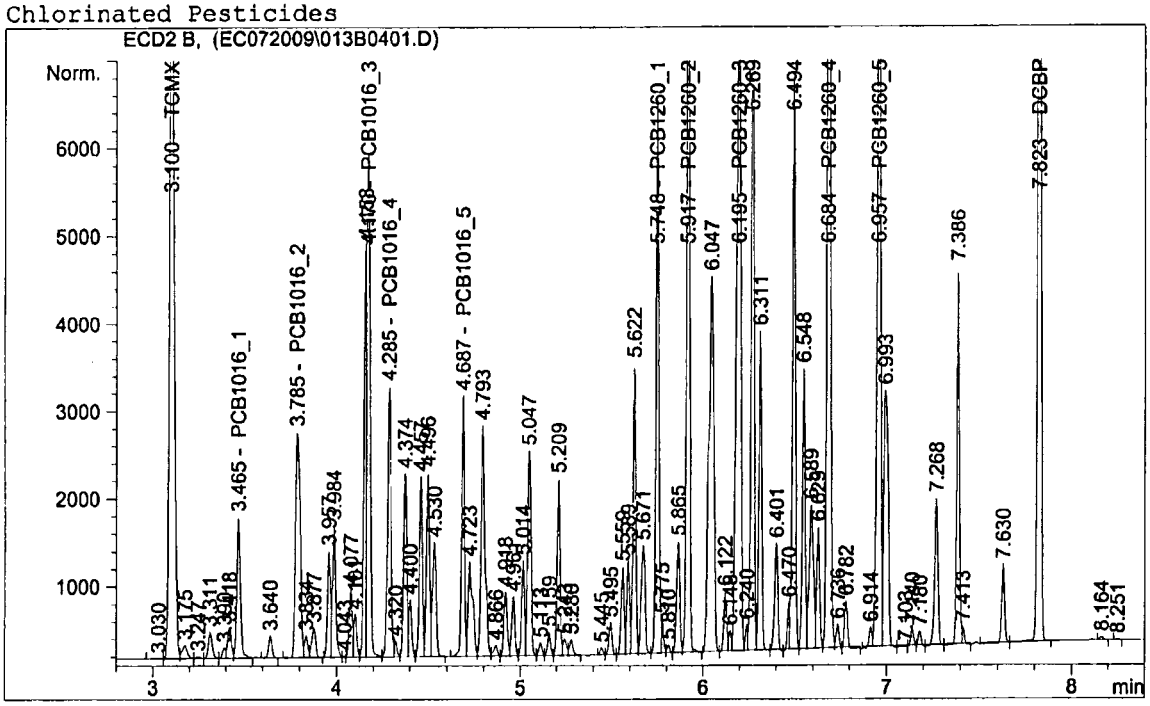
==================================================================
Injection Date  : 7/20/2009 10:31:37 AM          Seq. Line :   4
Sample Name     : cvs-PCB-1000                    Location : Vial 13
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072009\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:11:39 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	VV	1.44024e4	6.97078e-3	100.39604		TCMX
3.465	VV	2257.51953	4.50235e-1	1016.41358		PCB1016_1
3.785	BV	4529.78516	2.16945e-1	982.71574		PCB1016_2
4.170	VV	7316.74512	1.44891e-1	1060.12978		PCB1016_3
4.285	VV	4201.80762	2.39645e-1	1006.94332		PCB1016_4
4.687	VV	3402.39575	2.99731e-1	1019.80248		PCB1016_5
5.748	VV	6922.69824	1.49707e-1	1036.37724		PCB1260_1
5.917	VB	9773.24121	1.06594e-1	1041.77344		PCB1260_2
6.195	VV	1.22253e4	8.55034e-2	1045.30082		PCB1260_3
6.684	VV	1.91099e4	5.54616e-2	1059.86391		PCB1260_4
6.891		-	-	-		DBC
6.957	VV	1.23608e4	8.59344e-2	1062.21899		PCB1260_5
7.823	VB	1.49421e4	7.00518e-3	104.67175		DCBP

Totals : 1.05366e4

BWS
7-20-09

8082 QC, Blanks Raw Data

Paradigm Analytical Laboratories, INC.

4C

8082 METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB14666

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: PB14666 Extraction: (Type) 3541

Matrix: (soil/water) SOIL Date Extracted: 2009-07-17

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID
01	GYD-CS-11	G368-74-1G
02	GYD-CS-12	G368-74-2D
03	G368-74-2E MS	G368-74-2E MS
04	G368-74-2F MSD	G368-74-2F MSD
05		
06		
07		
08		
09		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		

COMMENTS:

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB14666
Lab Project ID:
Initial Wt/Vol: 32.0 g
Final Volume: 10 mL
ColumnID: STX-CLPest

Analyzed By: BWS
Date Collected:
Date Received:
Date Extracted: 7/17/2009
Matrix: SOIL
%SOLIDS: 100.0
Report Basis: Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	31.2	1.78	1	07/17/09	
Aroclor-1221	BQL	31.2	7.78	1	07/17/09	
Aroclor-1232	BQL	31.2	4.31	1	07/17/09	
Aroclor-1242	BQL	31.2	2.85	1	07/17/09	
Aroclor-1248	BQL	31.2	1.39	1	07/17/09	
Aroclor-1254	BQL	31.2	9.22	1	07/17/09	
Aroclor-1260	BQL	31.2	2.58	1	07/17/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	98.2	98.2
DCBP	100	106	106

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By:

8082.xls

```
==================================================================
Injection Date  : 7/17/2009 5:34:38 PM          Seq. Line :  43
Sample Name     : PB14666 x1                     Location : Vial 41
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 7/20/2009 8:30:48 AM by BWS
                  (modified after loading)
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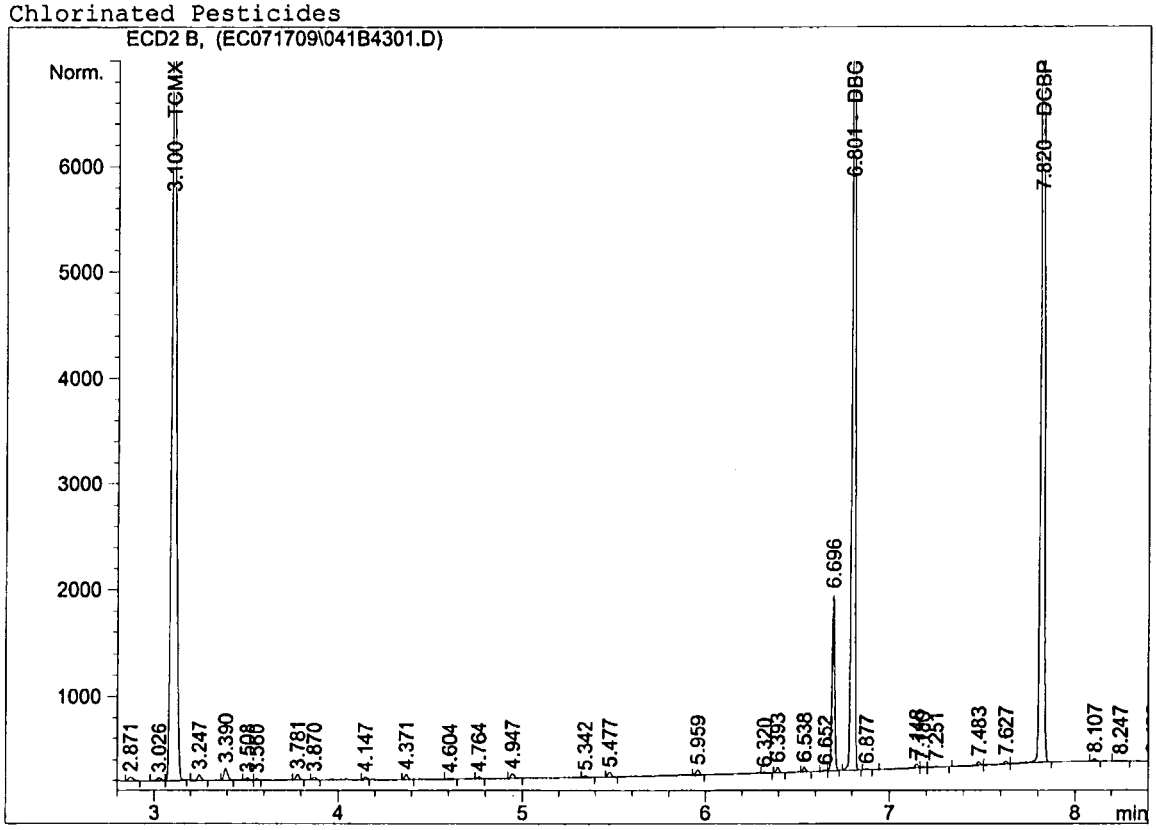
Chlorinated Pesticides

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==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]           [Hz*s]                 [ug/L]
-------|------|----------|----------|----------|--|-----------------
  3.100 VB     1.36879e4  7.17348e-3   98.18976     TCMX
  5.059            -          -          -          PCB1254_1
  5.221            -          -          -          PCB1254_2
  5.601            -          -          -          PCB1254_3
  5.787            -          -          -          PCB1254_4
  6.208            -          -          -          PCB1254_5
  6.801 BB     1.01192e4     0.00000    0.00000     DBC
  7.820 VB     1.48589e4  7.10983e-3  105.64403     DCBP

Totals :                               203.83378
```

BWS
7.20.09

QC Results for PCBs
by EPA 8082

Client Sample ID: Batch QC
Lab Sample ID: G368-74-2D
MS Lab ID: G368-74-2E
MSD Lab ID: G368-74-2F

Analyzed By: BWS
Matrix: SOIL
Solids: 74.6

Matrix Spike / Matrix Spike Duplicate Summary Results

Analyte	Sample ug/KG	Spiked ug/KG	MS ug/KG	%REC (Limit 40.8-116)	Spiked ug/KG	MSD ug/KG	%REC (Limit 40.8-116)	RPD (Limit 24.7)
Aroclor-1254	BQL	407	N/A	N/A #	422	N/A	N/A #	N/A

Surrogate Standards	Spike Added	Result ug/L	REC %		Result ug/L	REC %		Limits
TCMX	100	NA	NA	#	NA	NA	#	40 - 120
DCBP	100	NA	NA	#	NA	NA	#	40 - 120

Sample Preparation and Analysis Summary

Sample Analysis Date/Time: 7/17/09 18:39
Batch/Filename: 046B4801.D 046B4801.D
MS Analysis Date/Time: 7/17/09 18:00
MS Batch/Filename: EC071709 043B4501.D
MSD Analysis Date/Time: 7/17/09 18:13
MSD Batch/Filename: EC071709 044B4601.D

Prep Batch ID: 14666
Extraction Date: 07/17/09
Prep method: 3541
Sample Initial Amount: 32.56 G
MS Initial Amount: 32.90 G
MSD Initial Amount: 31.77 G
Final Extract Volume: 10.0 ML

Laboratory Control Spike Summary Results

Analyte	Spiked ug/KG	Result ug/KG	REC %	Limits Lower	Limits Upper
Aroclor-1254	313	355	114	69	129

Surrogate Standards	Spike Added	Result ug/L	REC %	Limits Lower	Limits Upper
TCMX	100	98.3	98.3	40	120
DCBP	100	105	105	40	120

Preparation and Analysis Summary

LCS LabId: LCS14666
LCS Analyst: BWS
Analysis Date/Time: 7/17/09 17:47
Filename: 042B4401.D
Analytical Batch: EC071709

Prep Batch ID: 14666
Extraction Date: 07/17/09
Prep method: 3541
Initial Weight / Volume: 32.0 G
Final Extract Volume: 10.0 ML

Comments:

= Outside Control Limits
N/A = MX spike and surrogates diluted out.

Reviewed by: _____

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==================================================================
Injection Date  : 7/17/2009 5:47:31 PM          Seq. Line :  44
Sample Name     : LCS14666 x1                    Location : Vial 42
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
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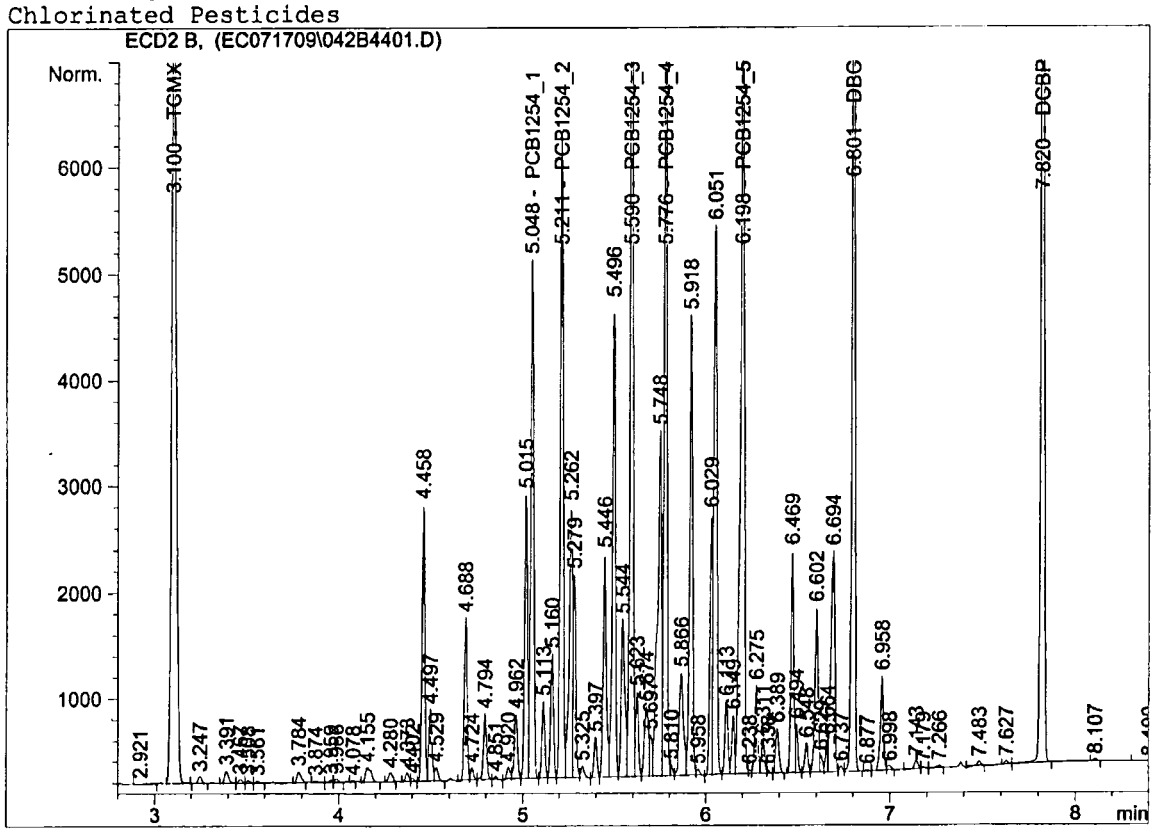


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==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	PB	1.36992e4	7.17333e-3	98.26903		TCMX
5.048	VV	5784.62646	1.88499e-1	1090.39874		PCB1254_1
5.211	VV	6716.85596	1.78845e-1	1201.27491		PCB1254_2
5.590	VV	9865.80566	1.11931e-1	1104.29140		PCB1254_3
5.776	VV	7958.81787	1.39499e-1	1110.24521		PCB1254_4
6.198	VV	1.04472e4	1.12922e-1	1179.71811		PCB1254_5
6.801	VBA	1.05091e4	0.00000	0.00000		DBC
7.820	VB	1.47858e4	7.11058e-3	105.13591		DCBP
Totals :				5889.33332		

BWS
7-20-09

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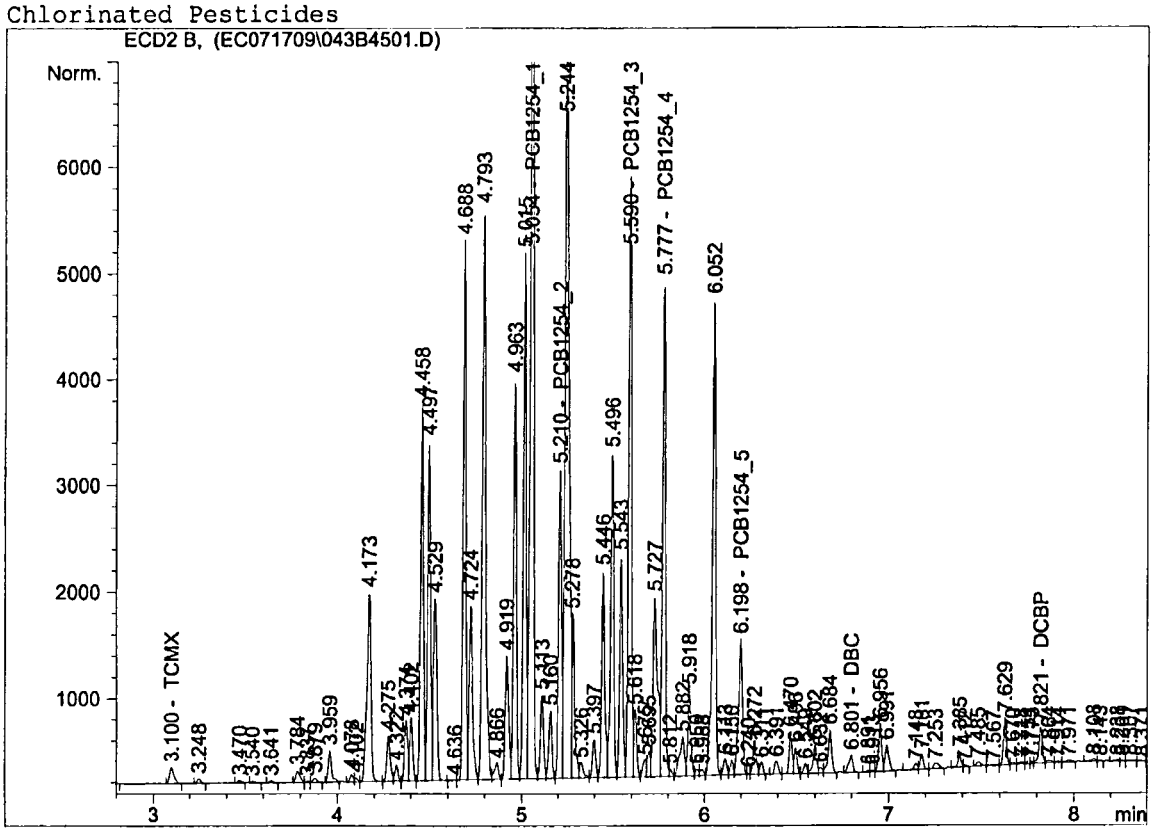
Injection Date : 7/17/2009 6:00:25 PM Seq. Line : 45
Sample Name : 633203 MS x50 Location : Vial 43
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

6368-74-2E
MS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	BB	251.98314	1.73432e-2	4.37019		TCMX
5.054	VV	1.10277e4	1.87485e-1	2067.52187		PCB1254_1
5.210	VV	3225.07349	1.76426e-1	568.98526		PCB1254_2
5.590	VV	6316.13037	1.13135e-1	714.57306		PCB1254_3
5.777	VV	5188.96484	1.40492e-1	729.00749		PCB1254_4
6.198	VV	1881.11792	1.14972e-1	216.27549		PCB1254_5
6.801	VBA	241.18651	0.00000	0.00000		DBC
7.821	VV	452.84235	1.19200e-2	5.39787		DCBP

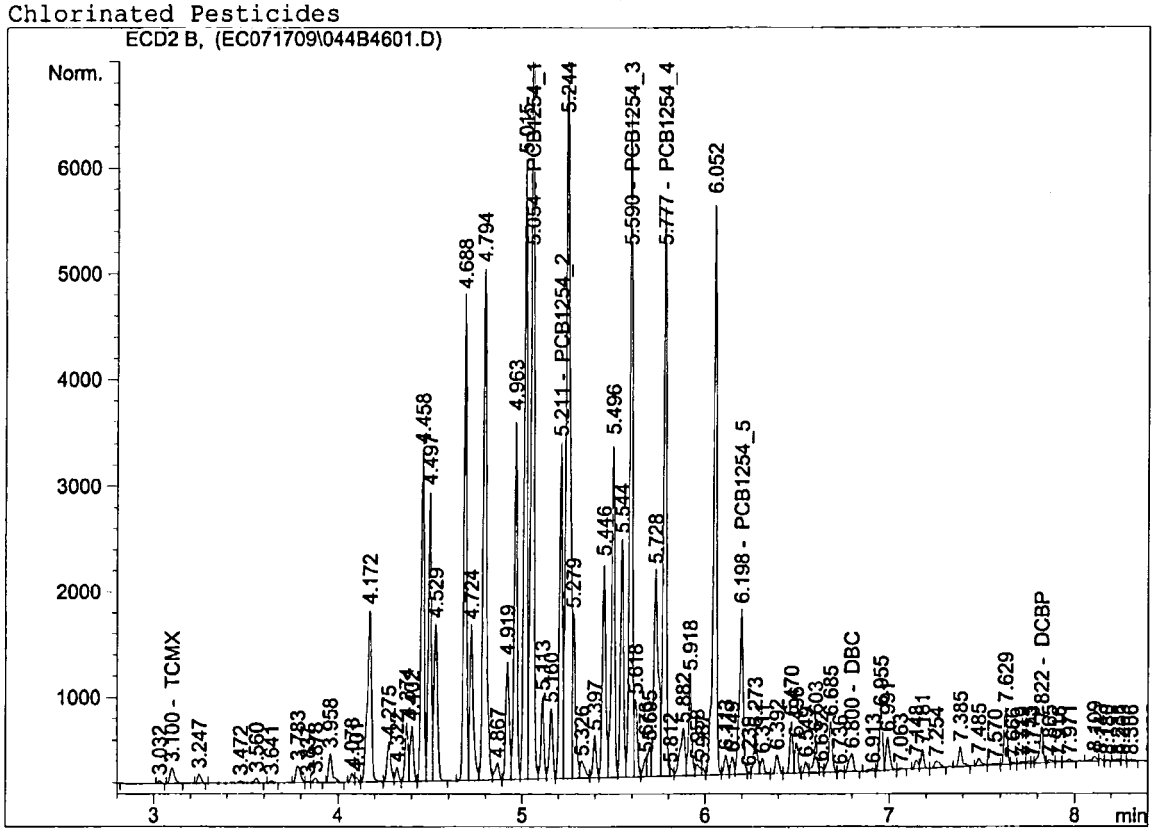
Totals : 4306.13122

DWS
7-20-09

==========

Injection Date : 7/17/2009 6:13:18 PM Seq. Line : 46
Sample Name : 633204 MSD x50 Location : Vial 44
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

6368-74-2F
MSD



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	PB	236.46672	1.80230e-2	4.26184		TCMX
5.054	VV	1.06607e4	1.87524e-1	1999.12661		PCB1254_1
5.211	VV	3486.79565	1.76775e-1	616.37774		PCB1254_2
5.590	VV	6886.77539	1.12857e-1	777.22409		PCB1254_3
5.777	VV	6036.28906	1.40091e-1	845.63171		PCB1254_4
6.198	VV	2283.71118	1.14531e-1	261.55576		PCB1254_5
6.800	VBA	287.68076	0.00000	0.00000		DBC
7.822	VV	482.15674	1.16183e-2	5.60185		DCBP

Totals : 4509.77960

BWS
7-20-09

Paradigm Analytical Laboratories, INC.

II

SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	S1 (TCMX) #	S2 (DCBP) #	QC LIMITS	TOT OUT
01	GYD-CS-11	G368-74-1G	NA *	NA *	40 - 140	2
02	GYD-CS-12	G368-74-2D	NA *	NA *	40 - 140	2
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
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36						
37						
38						
39						
40						

S1 (TCMX) = Tetrachloro-m-xylene
S2 (DBCP) = Decachlorobiphenyl

8082 Sample Raw Data

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-11	Analyzed By:	BWS
Client Project ID:	Goodyear Dump Site	Date Collected:	7/15/2009 17:30
Lab Sample ID:	G368-74-1G	Date Received:	7/17/2009
Lab Project ID:	G368-74	Date Extracted:	7/17/2009
Initial Wt/Vol:	32.36 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	78.6
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	786	44.8	20	07/20/09	
Aroclor-1221	BQL	786	196	20	07/20/09	
Aroclor-1232	BQL	786	108	20	07/20/09	
Aroclor-1242	BQL	786	71.7	20	07/20/09	
Aroclor-1248	**6480**	786	35.0	20	07/20/09	
Aroclor-1254	BQL	786	232	20	07/20/09	
Aroclor-1260	BQL	786	64.9	20	07/20/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)	
TCMX	100	NA	NA	#
DCBP	100	NA	NA	#

= Surrogate recovery is outside limits. (40-120%)

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-12	Analyzed By:	BWS
Client Project ID:	Goodyear Dump Site	Date Collected:	7/15/2009 17:45
Lab Sample ID:	G368-74-2D	Date Received:	7/17/2009
Lab Project ID:	G368-74	Date Extracted:	7/17/2009
Initial Wt/Vol:	32.56 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	74.6
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	2060	117	50	07/17/09	
Aroclor-1221	BQL	2060	512	50	07/17/09	
Aroclor-1232	BQL	2060	284	50	07/17/09	
Aroclor-1242	BQL	2060	188	50	07/17/09	
Aroclor-1248	**21600**	2060	91.6	50	07/17/09	
Aroclor-1254	BQL	2060	607	50	07/17/09	
Aroclor-1260	BQL	2060	170	50	07/17/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)	
TCMX	100	NA	NA	#
DCBP	100	NA	NA	#

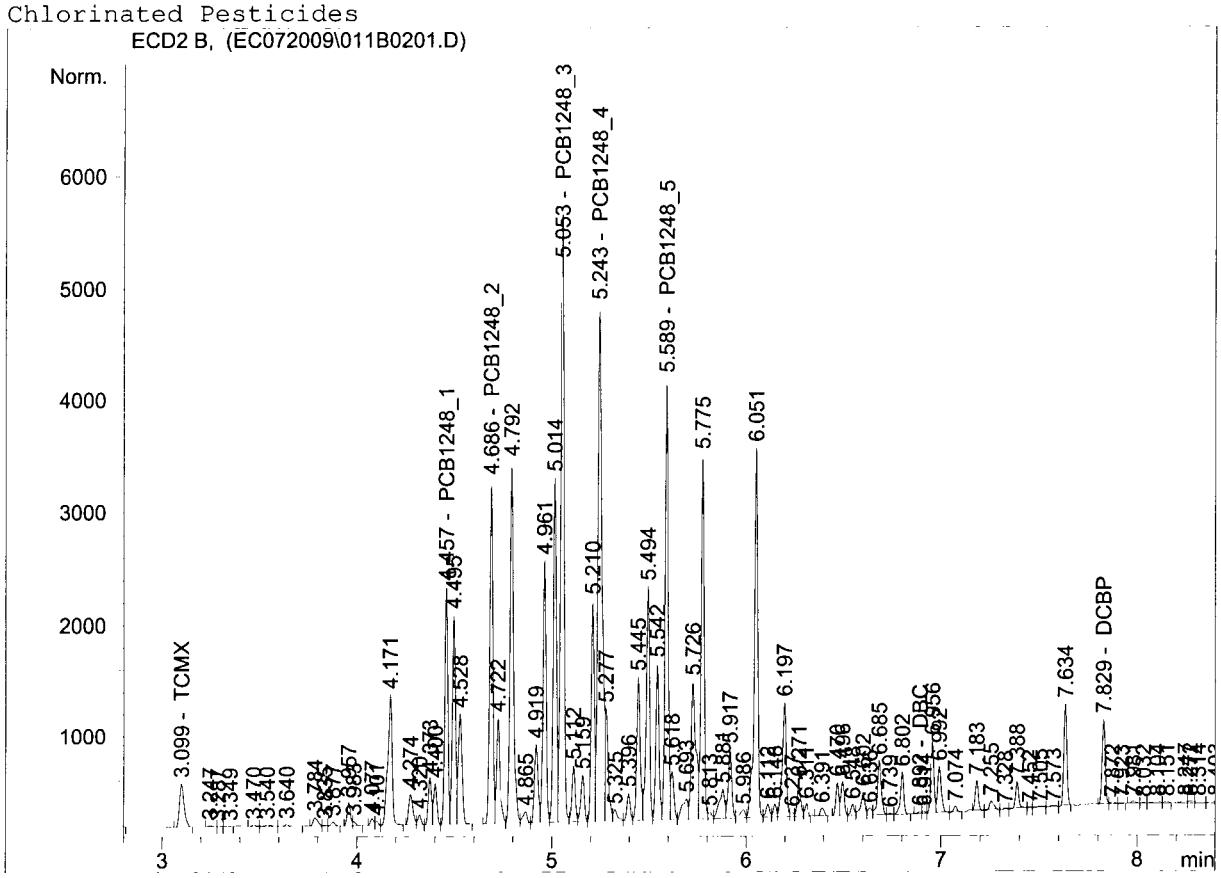
= Surrogate recovery is outside limits. (40-120%)

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

```
==================================================================
Injection Date  : 7/20/2009 10:06:16 AM          Seq. Line :   2
Sample Name     : G368-74-1G x20                  Location : Vial 11
Acq. Operator   : BWS                                  Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072009\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

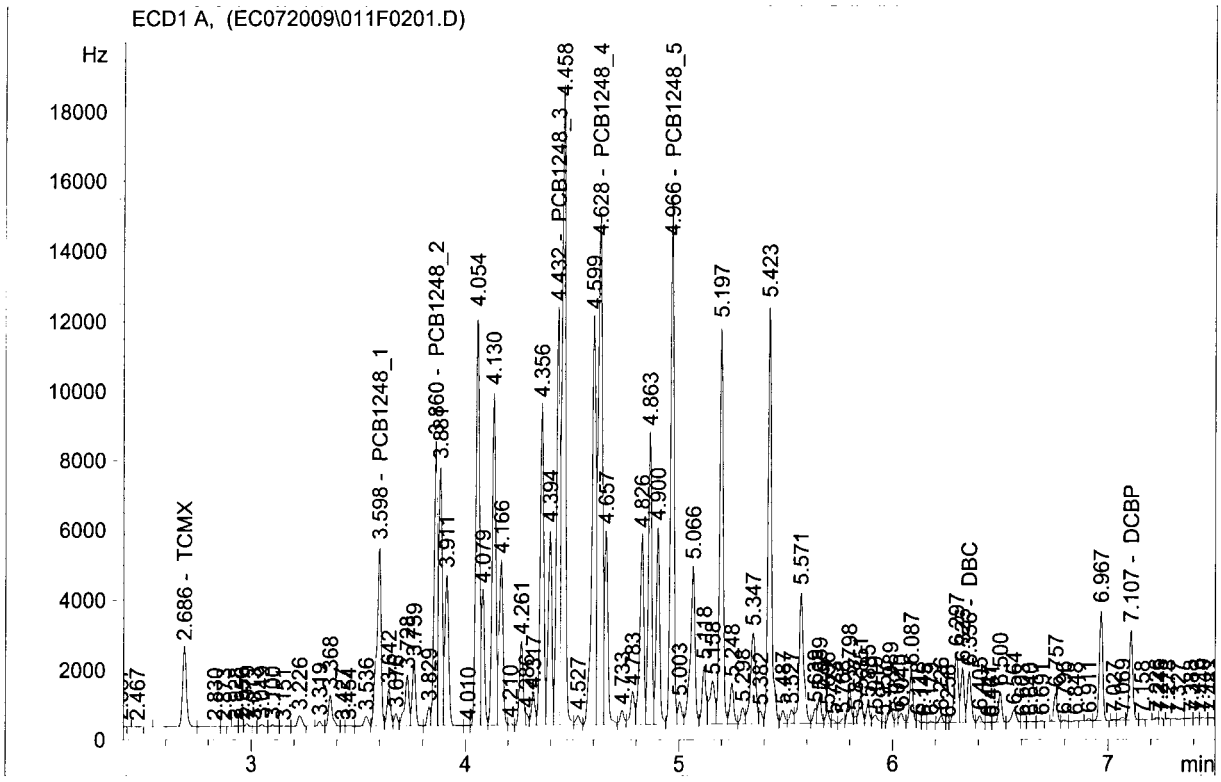
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.099	VB	640.66174	1.50813e-2	9.66200		TCMX
4.457	VV	2355.42529	2.41684e-1	569.26824		PCB1248_1
4.686	PV	3386.21460	1.80814e-1	612.27638		PCB1248_2
5.053	VV	6844.12793	1.21704e-1	832.95921		PCB1248_3
5.243	VV	7044.51611	1.22253e-1	861.21482		PCB1248_4
5.589	VV	4303.84424	2.89605e-1	1246.41307		PCB1248_5
6.892	BV	19.35762	5.09282e-2	9.85849e-1		DBC
7.829	VV	863.18042	1.22249e-2	10.55229		DCBP

Totals : 4143.33185

6483.423

7-23-09

```
==================================================================
Injection Date  : 7/20/2009 9:53:27 AM          Seq. Line :   2
Sample Name     : G368-74-1G x20                 Location : Vial 11
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:45:10 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072009\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/22/2009 2:44:42 PM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Confirmation Only

Signal 1: ECD1 A,

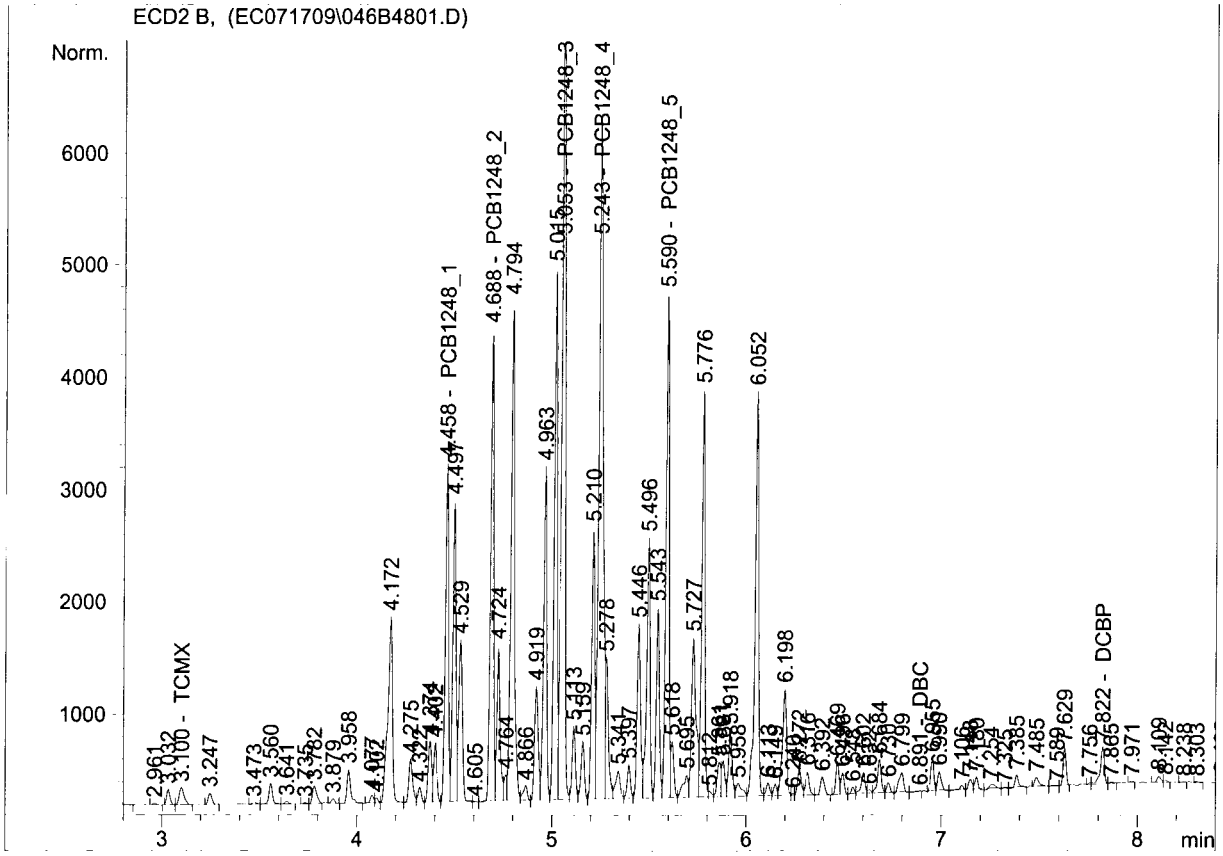
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.686	VV	2827.31982	3.52856e-3	9.97636		TCMX
3.598	VV	7331.83447	5.96650e-2	437.45411		PCB1248_1
3.860	VV	9013.39648	6.79378e-2	612.35037		PCB1248_2
4.432	VV	1.34986e4	3.74451e-2	505.45698		PCB1248_3
4.628	VV	2.07610e4	4.65290e-2	965.98990		PCB1248_4
4.966	VV	1.67672e4	7.58964e-2	1272.56728		PCB1248_5
6.356	VV	1809.21118	2.69528e-1	487.63276		DBC
7.107	VV	2893.61743	3.88285e-3	11.23548		DCBP
Totals :				4302.66324		

BW
7-20-09

Results obtained with enhanced integrator!

```
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 7/17/2009 6:39:05 PM          Seq. Line :  48
Sample Name     : G368-74-2D x50                 Location : Vial 46
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

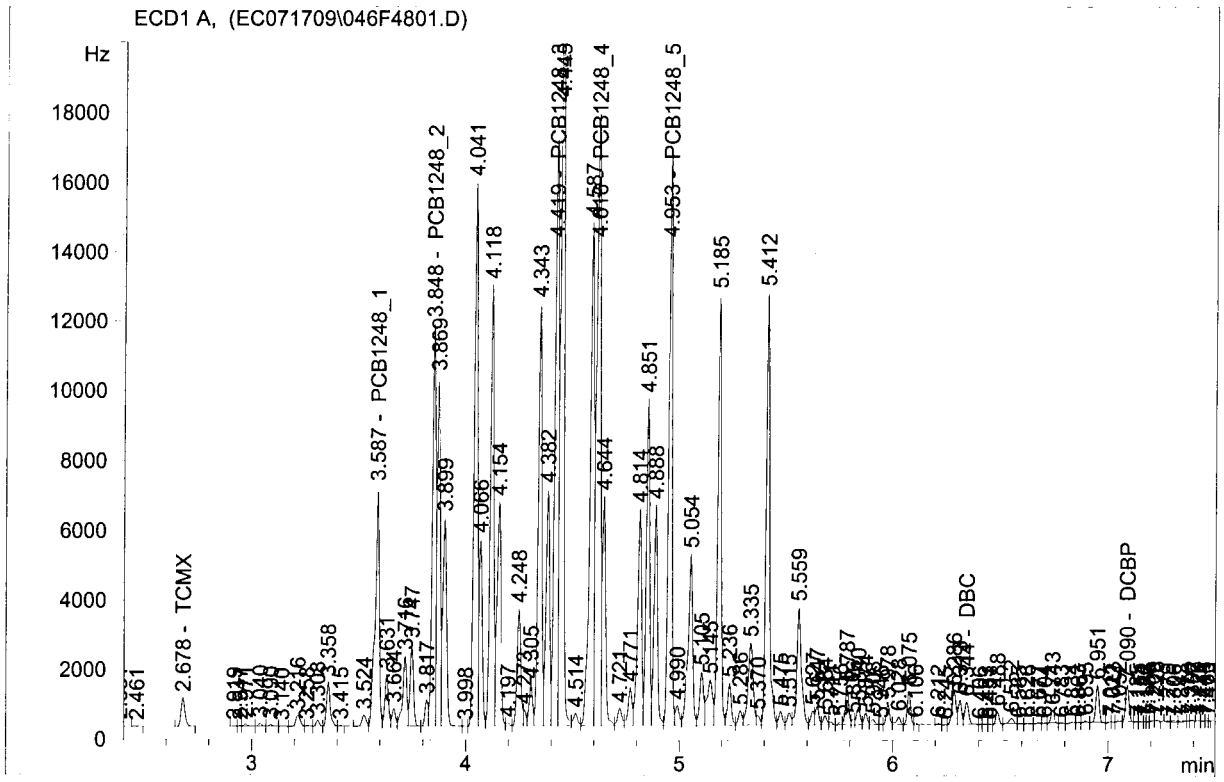
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.100	VB	262.97061	2.75413e-2	7.24256		TCMX
4.458	VV	3370.84082	2.36844e-1	798.36219		PCB1248_1
4.688	VV	4654.62988	1.77352e-1	825.50883		PCB1248_2
5.053	VV	9076.49609	1.20122e-1	1090.28788		PCB1248_3
5.243	VV	9181.56738	1.20619e-1	1107.47329		PCB1248_4
5.590	VV	4906.16162	2.88274e-1	1414.32010		PCB1248_5
6.891	VV N	21.09172	4.73918e-2	9.99574e-1		DBC
7.822	VV	462.81943	1.71868e-2	7.95439		DCBP

Totals : 5252.14881

BWS 7.20.09

```
==========================================================================
Injection Date  : 7/17/2009 6:26:12 PM          Seq. Line :  48
Sample Name     : G368-74-2D x50                 Location : Vial 46
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC071709\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/22/2009 2:44:42 PM by BWS
Chlorinated Pesticides
```




```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Confirmation Only

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	1031.35303	7.02146e-3	7.24160		TCMX
3.587	VV	9706.40430	5.82817e-2	565.70603		PCB1248_1
3.848	VV	1.26440e4	6.65632e-2	841.62266		PCB1248_2
4.419	VV	1.98072e4	3.63555e-2	720.10049		PCB1248_3
4.616	VV	2.50131e4	4.61576e-2	1154.54727		PCB1248_4
4.953	VV	1.83577e4	7.56454e-2	1388.67748		PCB1248_5
6.344	VP	787.67822	2.62264e-1	206.57949		DBC
7.090	VP	1114.85974	7.05474e-3	7.86504		DCBP

Totals : 4892.34006

BWS
7-20-09

Results obtained with enhanced integrator!

==========

*** End of Report ***

Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Boulevard
Duluth, GA 30096

Report Number: G368-75

Client Project: Goodyear Dump Site

Dear Jessica Vickers,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Linda McWhirter at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

7/28/09

Project Manager
Linda McWhirter

Date

Paradigm Analytical Laboratories, Inc. | 5500 Business Dr., Wilmington, NC 28405 t (910) 350-1903 f (910) 350-1557 www.us.sgs.com

Case Narrative
Tetra Tech
SGS Project: **G368-75**
Project Name: **Goodyear Dump**

SGS North America; Inc.

July 28, 2009

- One soil sample were submitted into the laboratory on July 22nd, 2009 at 1005 for analyses as indicated on the chain of custody. The samples were received in good condition and at a temperature of 5.0°C.
- All extractions and analyses were completed within holding time limits, with the following quality control exceptions.

8082 Analysis

- The MS/MSD associated with batch 14706 has reported recoveries that are outside of the method's recommended limits. This may be attributed to matrix interferences present in parent sample and spiked samples.

Craig R Longo Date 7/28/09
Data Review

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are 10% < %R < LCL; # of MEs are allowable and compounds are not detected in the sample.

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:
1) Metals and mercury samples are digested with a hot block; see the standard operating procedure document for details.
2) Uncertainty for all reported data is less than or equal to 30 percent.

SGS Environmental Services, Inc.

Cust Proj ID: Goodyear Dump Site
Client Name: Tetra Tech EM, Inc. PO:

G368-75

Due Date: 2009-07-23 17:00:00
Login Date: 2009-07-22 10:38:08

Sample ID		Cust Sample ID	PRI	Date Collected	Date Received	Date Due	Matrix	LOC	Report	Analysis	Status
G368-75-1	A	GYD-CS-13	**RUSH**	2009-07-21 15:53:00	2009-07-22	2009-07-23	Soil	L1	Full + J's	Pb	LG::REVW
	B					2009-07-23	Soil	W1E	Full + J's	8082-Soil	LG::REVW

Sample Receipt Checklist (SRC)

SGS Environmental Services

Client: **Tetra Tech EM, Inc.** Lab Proj. ID: **G368-75**

Client Proj. ID: **Goodyear Dump Site**

1. X Shipped
Hand Delivered
Notes:

2. X Proper, full, and complete documentation
(unique sample identification on durable label with indelible ink, location of collection, date/time of collection, collector's name, preservation type, sample type (method/matrix))
__ Acceptable documentation (but, incomplete)
__ Unacceptable documentation
Notes:

3. __ Custody Tape on Container
x No Custody Tape
Notes:

4. X Samples Intact*
(are in appropriate container, are not damaged, and do not show signs of contamination)
__ Samples Broken / Leaking
__ VOA Vials Checked for Air Bubbles
Notes:

5. X Chilled on Receipt* Actual Temp.(s) in °C: 5
Ambient on Receipt
__ Walk-in on Ice; Coming down to temp.
__ Received out of temperature protocol
Notes:

6. X Sufficient Sample Submitted
__ Insufficient Sample Submitted
Notes:

7. X Samples Preserved Correctly*
(see preservative checklist where applicable)
__ Improper Preservative(s)
__ None recommended (N/A)
Notes:

8. X Received Within Holding Time
__ Not Received Within Holding Time
__ N/A
Notes:

9. X No Discrepancies Noted
__ Discrepancies Noted
Notes:

Comments:

* = Rejection of sample is required when not marked; Contact client services immediately for a resolution.

Inspected and Logged in by: ✓

DC27.040307.4

Date / Time: Wed-7/22/09 10:47

Anchorage
2000 W. International Airport Road
Suite A10
Anchorage, AK 99502
phone 907.563.9200 fax 907.563.9210

SGS

G368-75

Chain of Custody Record

TestAmerica Laboratories, Inc.

Client Contact		Project Manager: SHERRY WEEDMAN	Site Contact: TODD CURTIS	Date: 7-21-09	COC No:
Your Company Name here	TETRA TECH	Tel/Fax: 502-568-6688	Lab Contact:	Carrier:	1 of 1 COCs
Address	1955 EVERGREEN BLVD BLDG 200 STE 300	Analysis Turnaround Time			Job No.
City/State/Zip	DULUTH, GA 30096	Calendar (C) or Work Days (W)			
(xxx) xxx-xxxx	Phone 678-983-6655	TAT if different from Below 24			SDG No.
(xxx) xxx-xxxx	FAX 678-775-3138	☐ 2 weeks			
Project Name:	GOODYEAR DUMP	☐ 1 week			
Site:	05-001-0098	☐ 2 days			
PO#		☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Total Lead	PCBs	Sample Specific Notes:
✓ GYD-CS-13	7-21-09	1553	COMP	S	2		X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

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

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

Special Instructions/QC Requirements & Comments: INVOICE TO: TETRA TECH
1955 EVERGREEN BLVD BLDG 200 STE 300
DULUTH, GA 30096

REPORTS TO: JESSICA VICKERS
JESSICA.VICKERS@TTEMI.COM

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TETRA TECH	7/20/09 2300			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by: [signature] 5.0 no seal	Company: SGS	Date/Time: 7/22/09 10:05

Page 6 of 99

8082 Prep, Standard, Run Logs

Prep Report for Batch 14706 (8082/3541/SOIL) on 2009-07-22 by alt

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot	HexaneLot	Balance
G368-75-1G (634303)		32.07			8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
G368-75-1H (634304)	MS	32.27	8082QCSV03W67R	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
G368-75-1I (634305)	MSD	32.62	8082QCSV03W67R	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
LCS14706	LCS	32.0	8082QCSV03W67R	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA
PB14706	PB	32.0			8080SRSV03W79U-Y	1.0	10.0	CZ497	CY382	PB3002-SA

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: **ec061609**

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	6/16/2009 12:07					BWS	
001B0102.D	b	6/16/2009 12:19					BWS	
001B0103.D	b	6/16/2009 12:32					BWS	
001B0104.D	b	6/16/2009 12:45					BWS	
001B0105.D	b	6/16/2009 12:58					BWS	
002B0201.D	PCB 2000	6/16/2009 13:11					BWS	
002B0202.D	PCB 2000	6/16/2009 13:24					BWS	
002B0203.D	PCB 2000	6/16/2009 13:37					BWS	
002B0204.D	PCB 2000	6/16/2009 13:50					BWS	
002B0205.D	PCB 2000	6/16/2009 14:02					BWS	
003B0301.D	b	6/16/2009 14:15					BWS	
003B0302.D	b	6/16/2009 14:28					BWS	
003B0303.D	b	6/16/2009 14:40					BWS	
003B0304.D	b	6/16/2009 14:53					BWS	
003B0305.D	b	6/16/2009 15:06					BWS	
004B0401.D	A1221 x2000 ICAL	6/16/2009 15:19	Good curve F+B	✓	✓		BWS	
005B0501.D	A1221 x1000 ICAL	6/16/2009 15:32	↓	↓	↓		BWS	
006B0601.D	A1221 x500 ICAL	6/16/2009 15:45	↓	↓	↓		BWS	
007B0701.D	A1221 x200 ICAL	6/16/2009 15:57	↓	↓	↓		BWS	
008B0801.D	A1221 x100 ICAL	6/16/2009 16:10	↓	↓	↓		BWS	
009B0901.D	A1221 x40 ICAL	6/16/2009 16:23	↓	↓	↓		BWS	
010B1001.D	A1232 x2000 ICAL	6/16/2009 16:36	Good curve F+B	✓	✓		BWS	
011B1101.D	A1232 x1000 ICAL	6/16/2009 16:49	↓	↓	↓		BWS	
012B1201.D	A1232 x500 ICAL	6/16/2009 17:02	↓	↓	↓		BWS	

Analyst: [illegible]

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
013B1301.D	A1232 x200 ICAL	6/16/2009 17:15	Good Curve F + B	✓	✓		BWS	
014B1401.D	A1232 x100 ICAL	6/16/2009 17:28	↓	↓	↓		BWS	
015B1501.D	A1232 x40 ICAL	6/16/2009 17:40	↓	↓	↓		BWS	
016B1601.D	A1242 x2000 ICAL	6/16/2009 17:53	Good Curve F+B	✓	✓		BWS	
017B1701.D	A1242 x1000 ICAL	6/16/2009 18:06	↓	↓	↓		BWS	
018B1801.D	A1242 x500 ICAL	6/16/2009 18:19	↓	↓	↓		BWS	
019B1901.D	A1242 x200 ICAL	6/16/2009 18:32	↓	↓	↓		BWS	
020B2001.D	A1242 x100 ICAL	6/16/2009 18:45	↓	↓	↓		BWS	
021B2101.D	A1242 x40 ICAL	6/16/2009 18:58	↓	↓	↓		BWS	
022B2201.D	A1248 x2000 ICAL	6/16/2009 19:11	Good Curve F + B	✓	✓		BWS	
023B2301.D	A1248 x1000 ICAL	6/16/2009 19:24	↓	↓	↓		BWS	
024B2401.D	A1248 x500 ICAL	6/16/2009 19:37	↓	↓	↓		BWS	
025B2501.D	A1248 x200 ICAL	6/16/2009 19:49	↓	↓	↓		BWS	
026B2601.D	A1248 x100 ICAL	6/16/2009 20:02	↓	↓	↓		BWS	
027B2701.D	A1248 x40 ICAL	6/16/2009 20:15	↓	↓	↓		BWS	
028B2801.D	A1254 x2000 ICAL	6/16/2009 20:28	Good Curve F + B	✓	✓		BWS	
029B2901.D	A1254 x1000 ICAL	6/16/2009 20:41	↓	↓	↓		BWS	
030B3001.D	A1254 x500 ICAL	6/16/2009 20:54	↓	↓	↓		BWS	
031B3101.D	A1254 x200 ICAL	6/16/2009 21:07	↓	↓	↓		BWS	
032B3201.D	A1254 x100 ICAL	6/16/2009 21:20	↓	↓	↓		BWS	
033B3301.D	A1254 x40 ICAL	6/16/2009 21:33	↓	↓	↓		BWS	
034B3401.D	PCB x2000 ICAL	6/16/2009 21:46	Good Curve F+ B	✓	✓		BWS	
035B3501.D	PCB x1000 ICAL	6/16/2009 21:58	↓	↓	↓		BWS	

Analyst: [illegible]

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 2

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082 | Initial Cal. Curve: 06/16/09

Matrix: Soil/Water | Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
036B3601.D	PCB x500 ICAL	6/16/2009 22:11	Good Curve F + B	✓	✓		BWS	
037B3701.D	PCB x200 ICAL	6/16/2009 22:24					BWS	
038B3801.D	PCB x100 ICAL	6/16/2009 22:37					BWS	
039B3901.D	PCB x40 ICAL	6/16/2009 22:50					BWS	
040B4001.D	cvs-1221-1000	6/16/2009 23:03			✓		BWS	
041B4101.D	cvs-1232-1000	6/16/2009 23:16			✓		BWS	
042B4201.D	cvs-1242-1000	6/16/2009 23:29			✓		BWS	
043B4301.D	cvs-1248-1000	6/16/2009 23:42			✓		BWS	
044B4401.D	cvs-1254-1000	6/16/2009 23:55			✓		BWS	
045B4501.D	cvs-PCB-1000	6/17/2009 0:07			✓		BWS	
046B4601.D	PB14434 x1	6/17/2009 0:20			✓		BWS	
047B4701.D	LCS14434 x1	6/17/2009 0:33			✓		BWS	
048B4801.D	LCSD14434 x1	6/17/2009 0:46			✓		BWS	
049B4901.D	G582-382-1O x100	6/17/2009 0:59	54-5; 60-3 (54,60)		~~X250~~		BWS	
050B5001.D	G582-386-1J x1	6/17/2009 1:12	54-5; 60-3 (54,60)		✓		BWS	
051B5101.D	G582-387-1I x1	6/17/2009 1:25			x5		BWS	
052B5201.D	G100-1090-6D x1	6/17/2009 1:38			✓		BWS	
044B5301.D	cvs-1254-1000	6/17/2009 1:50			✓		BWS	
045B5401.D	cvs-PCB-1000	6/17/2009 2:03			✓		BWS	
		BWS	6.17.09					

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 3

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Initial Cal. Curve: 06/16/09

Matrix: Soil/Water

Batch: ec072309

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	7/23/2009 8:27					BWS	
002B0201.D	b	7/23/2009 8:40					BWS	
003B0301.D	b	7/23/2009 8:53					BWS	
004B0401.D	cvs-1221-1000	7/23/2009 9:05			✓		BWS	
005B0501.D	cvs-1232-1000	7/23/2009 9:18			✓		BWS	
006B0601.D	cvs-1242-1000	7/23/2009 10:24			✓		BWS	
007B0701.D	cvs-1248-1000	7/23/2009 10:37			✓		BWS	
008B0801.D	cvs-1254-1000	7/23/2009 10:49			✓		BWS	
009B0901.D	cvs-PCB-1000	7/23/2009 11:02			✓		BWS	
010B1001.D	PB14706 x1	7/23/2009 11:15			✓		BWS	
011B1101.D	LCS14706 x1	7/23/2009 11:28			✓		BWS	
012B1201.D	G368-75-1G x1	7/23/2009 11:41	(1248)		✓		BWS	
013B1301.D	G368-75-1H x1 MS	7/23/2009 11:54	peak, cid= 634304		✓		BWS	
014B1401.D	G368-75-1I x1 MSD	7/23/2009 12:25	cid= 634305		✓		BWS	
015B1501.D	cvs-1254-1000	7/23/2009 12:38			✓		BWS	
016B1601.D	cvs-PCB-1000	7/23/2009 12:50			✓		BWS	

BWS 7-26-09

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

8082 Calibration Raw Data

PCB Initial Calibration Summary

Sample ID: A1221 Date: 16-Jun-09
Inst: ECD2 Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	245.3261566	2.81282
		2	155.8206329	2.9226999
		3	638.8563843	2.9537599
		4	0	0
		5	0	0
	100	1	500.9041748	2.8134401
		2	303.3854675	2.92314
		3	1263.362671	2.9544599
		4	0	0
		5	0	0
	200	1	1008.540039	2.8132801
		2	614.2987671	2.9228699
		3	2581.186279	2.9542
		4	0	0
		5	0	0
	500	1	2391.794678	2.8136101
		2	1448.612183	2.9233999
		3	5996.157715	2.9551401
		4	0	0
		5	0	0
	1000	1	5249.20459	2.8127799
		2	2938.137451	2.92238
		3	12695.41699	2.9535899
		4	0	0
		5	0	0
	2000	1	10792.90527	2.81248
		2	5933.97168	2.92207
		3	25705.44531	2.9533701
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	2.7831	2.8431
2	2.8928	2.9528
3	2.9241	2.9841
4		
5		

Peak	Correlation Coefficient (r)
1	0.999547291
2	0.99993285
3	0.999800257
4	
5	

Peak	Slope (y)
1	0.184846976
2	0.338626207
3	0.077910074
4	
5	

Peak	Intercept (b)
1	18.03074848
2	-3.063931603
3	5.287071647
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	128.4451447	3.47328
		2	130.5376434	3.7929001
		3	138.2742157	4.1808
		4	77.82170105	4.6981201
		5	96.44385529	5.0638099
	100	1	216.2887573	3.4734199
		2	200.2416382	3.79285
		3	210.9858551	4.1808701
		4	116.2147293	4.6984401
		5	142.0018921	5.0647101
	200	1	486.6502991	3.4735601
		2	427.340332	3.7934599
		3	469.4269409	4.1813598
		4	247.6925964	4.6983299
		5	301.9916687	5.0646
	500	1	1370.64856	3.4731901
		2	1150.080566	3.7936101
		3	1341.419922	4.1807799
		4	687.4240723	4.6979799
		5	817.4537964	5.0646801
	1000	1	2691.677979	3.4730201
		2	2218.20874	3.7932701
		3	2850.830322	4.1803799
		4	1341.828247	4.6978002
		5	1594.224243	5.0641999
	2000	1	5829.130859	3.4735501
		2	4788.60791	3.7937801
		3	7059.396484	4.1809101
		4	2918.447266	4.6979399
		5	3467.224609	5.06462

Peak	RT Window From	RT Window To
1	3.4433	3.5033
2	3.7633	3.8233
3	4.1508	4.2108
4	4.6681	4.7281
5	5.0344	5.0944

Peak	Correlation Coefficient (r)
1	0.999266493
2	0.999219182
3	0.995103716
4	0.999080518
5	0.999057834

✓

Peak	Slope (y)
1	0.342282466
2	0.419088189
3	0.280616234
4	0.686112548
5	0.578432121

Peak	Intercept (b)
1	28.29322338
2	17.30362431
3	75.4780663
4	23.70756688
5	21.14125161

PCB Initial Calibration Summary

Sample ID: A1242
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	113.9381485	3.47331
		2	252.1701965	3.7927699
		3	246.2476196	4.1816001
		4	149.9369507	4.69876
		5	173.3050385	5.0646601
	100	1	207.6104431	3.4740601
		2	414.2875061	3.7943499
		3	543.1567383	4.1816502
		4	276.8204651	4.6985002
		5	336.6770325	5.06496
	200	1	395.3930054	3.4739399
		2	780.1361694	3.79441
		3	1045.235474	4.18186
		4	536.1246948	4.6989398
		5	648.7318115	5.0650902
	500	1	960.0159912	3.47364
		2	1938.765625	3.79444
		3	2829.961426	4.1811299
		4	1360.825806	4.6981301
		5	1634.499023	5.06464
	1000	1	2033.830322	3.4737101
		2	4071.440674	3.7948501
		3	6488.691406	4.18156
		4	2958.269775	4.6987901
		5	3563.592041	5.0651002
	2000	1	3962.707275	3.4741099
		2	7946.291992	3.79532
		3	12468.87988	4.1816802
		4	5915.206055	4.6987801
		5	7151.570801	5.0652599

Peak	RT Window From	RT Window To
1	3.4438	3.5038
2	3.7644	3.8244
3	4.1516	4.2116
4	4.6687	4.7287
5	5.0350	5.0950

Peak	Correlation Coefficient (r)
1	0.999808258
2	0.999804811
3	0.999330689
4	0.999726656
5	0.999718569

Peak	Slope (y)
1	0.504723015
2	0.251962874
3	0.157819658
4	0.336631004
5	0.278421794

Peak	Intercept (b)
1	-5.498271349
2	-6.834562602
3	18.65946912
4	11.78013154
5	13.16229906

PCB Initial Calibration Summary

Sample ID: A1248 Date: 16-Jun-09
Inst: ECD2 Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	180.3321991	4.46912
		2	266.9612122	4.6998501
		3	314.8575134	5.0650902
		4	283.4669495	5.2547898
		5	125.6370163	5.6012502
	100	1	311.6848145	4.4682598
		2	390.6215515	4.6981702
		3	563.4898682	5.0645099
		4	539.5948486	5.2544198
		5	232.8683472	5.6003799
	200	1	701.99823	4.4685998
		2	905.8077393	4.6981902
		3	1303.56958	5.0648398
		4	1268.165771	5.2543702
		5	535.5101318	5.6005902
	500	1	1901.684937	4.4695501
		2	2512.919678	4.69941
		3	3658.345947	5.0655298
		4	3585.534424	5.2551899
		5	1494.218994	5.6015201
	1000	1	4111.20459	4.4686298
		2	5394.391602	4.6985502
		3	7994.771484	5.0648599
		4	7896.041504	5.2544498
		5	3272.715576	5.60109
	2000	1	8806.677734	4.4691
		2	11836.07129	4.6990199
		3	17186.01758	5.0652699
		4	17175.9707	5.25488
		5	7110.137695	5.6010199

Peak	RT Window From	RT Window To
1	4.4389	4.4989
2	4.6689	4.7289
3	5.0350	5.0950
4	5.2247	5.2847
5	5.5710	5.6310

Peak	Correlation Coefficient (r)
1	0.999214642
2	0.998741491
3	0.9991701
4	0.99898148
5	0.998990615

Peak	Slope (y)
1	0.225261722
2	0.167686467
3	0.115080361
4	0.114998218
5	0.278205875

Peak	Intercept (b)
1	38.79213832
2	44.52374958
3	45.01435743
4	50.65762646
5	47.83472661

PCB Initial Calibration Summary

Sample ID: A1254
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	229.1189117	5.0585999
		2	249.3790131	5.2213602
		3	330.6585693	5.60078
		4	261.4362183	5.7873101
		5	341.5723877	6.2081499
	100	1	447.2060547	5.0588102
		2	505.8791199	5.22156
		3	680.1452026	5.6012301
		4	629.8706055	5.7874298
		5	720.9144897	6.20858
	200	1	926.4535522	5.0589399
		2	987.8835449	5.2212801
		3	1473.576904	5.60076
		4	1242.702637	5.78721
		5	1477.556396	6.2087498
	500	1	2630.861328	5.0586801
		2	2990.208008	5.2210898
		3	4376.578613	5.6012101
		4	3507.077637	5.7876501
		5	4512.064941	6.20889
	1000	1	5308.978027	5.0584302
		2	6097.466797	5.2210202
		3	8935.365234	5.6009202
		4	7195.558105	5.7871099
		5	9338.537109	6.2082801
	2000	1	10664.68945	5.0589399
		2	10872.67285	5.2214198
		3	18025.05078	5.60109
		4	14417.08203	5.7869501
		5	17500.42969	6.2084498

Peak	RT Window From	RT Window To
1	5.0287	5.0887
2	5.1913	5.2513
3	5.5710	5.6310
4	5.7573	5.8173
5	6.1785	6.2385

Peak	Correlation Coefficient (r)
1	0.999915636
2	0.99777029
3	0.999890888
4	0.99993799
5	0.999128405

Peak	Slope (y)
1	0.186334645
2	0.180272726
3	0.1097659
4	0.137621182
5	0.112275523

Peak	Intercept (b)
1	12.44642635
2	-12.09119839
3	21.26104952
4	14.88497466
5	5.810303883

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	121.0674515	3.47349
		2	251.3697815	3.79391
		3	263.068573	4.1812401
		4	195.8108978	4.2961798
		5	160.0380554	4.6985602
	100	1	217.4214935	3.47403
		2	437.2928162	3.79476
		3	485.585144	4.1816101
		4	360.8550415	4.2965102
		5	295.4402771	4.69875
	200	1	459.3583984	3.47331
		2	925.944458	3.7941699
		3	1129.475098	4.18115
		4	785.0092773	4.2961998
		5	634.2442017	4.6986198
	500	1	1173.999146	3.4734199
		2	2337.430176	3.7948301
		3	3116.475342	4.1812501
		4	2094.157959	4.29603
		5	1677.998413	4.6981301
	1000	1	2033.769165	3.47434
		2	4170.358398	3.7955101
		3	5876.343262	4.1814098
		4	4022.451172	4.2962298
		5	3104.989746	4.6984301
	2000	1	4519.233398	3.4735301
		2	9469.867188	3.79459
		3	14670.11328	4.1814399
		4	8460.355469	4.2961302
		5	6825.107422	4.6985202

Peak	RT Window From	RT Window To
1	3.4437	3.5037
2	3.7646	3.8246
3	4.1513	4.2113
4	4.2662	4.3262
5	4.6685	4.7285

Peak	Correlation Coefficient (r)
1	0.998355568
2	0.997966813
3	0.995224524
4	0.999664696
5	0.99891501

Peak	Slope (y)
1	0.448394325
2	0.213628789
3	0.135993496
4	0.236777332
5	0.294674522

Peak	Intercept (b)
1	2.917677126
2	13.63103358
3	61.09697749
4	11.80448894
5	16.37941922

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	317.7681885	5.7591901
		2	382.4143982	5.9278698
		3	472.3563538	6.20647
		4	666.4926147	6.69345
		5	445.2432251	6.9662399
	100	1	561.5331421	5.75875
		2	743.8937378	5.9271998
		3	927.6226196	6.2058802
		4	1324.988892	6.6930399
		5	870.4468384	6.9654398
	200	1	1251.001831	5.7593498
		2	1690.699341	5.9280801
		3	2103.305664	6.20682
		4	3117.929688	6.6939502
		5	2021.848267	6.9668102
	500	1	3357.37085	5.7589998
		2	4654.072754	5.9275799
		3	5743.004883	6.2065001
		4	8792.444336	6.6933098
		5	5652.148438	6.96594
	1000	1	6291.233887	5.7596598
		2	9044.022461	5.9281502
		3	10616.62402	6.2068701
		4	17067.61328	6.6947699
		5	11121.81738	6.9676399
	2000	1	13629.30078	5.7596002
		2	19083.54102	5.9280601
		3	24213.02539	6.2066202
		4	36985.36719	6.6940398
		5	23803.99414	6.9664102

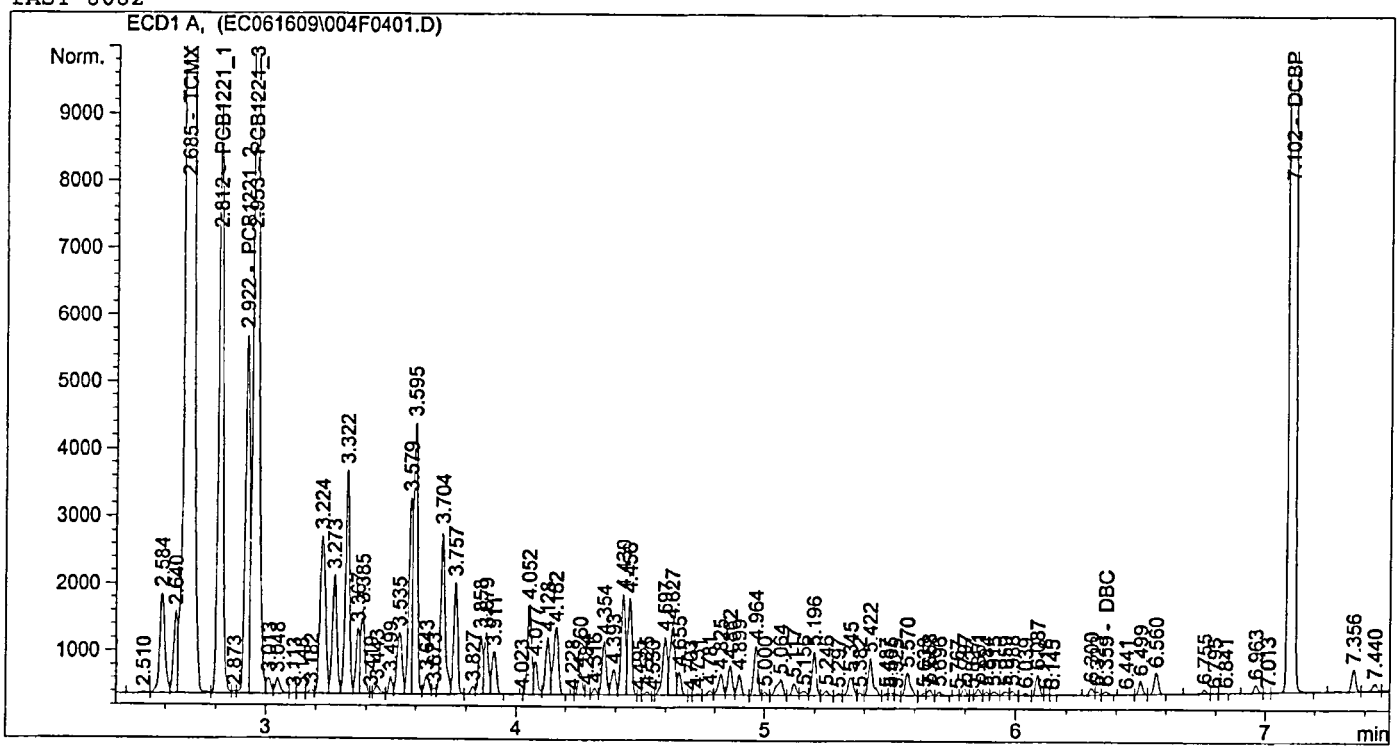
Peak	RT Window From	RT Window To
1	5.7293	5.7893
2	5.8978	5.9578
3	6.1765	6.2365
4	6.6638	6.7238
5	6.9364	6.9964

Peak	Correlation Coefficient (r)
1	0.999213429
2	0.999670366
3	0.99816869
4	0.999340639
5	0.999516287

Peak	Slope (y)
1	0.147230058
2	0.104555885
3	0.082761897
4	0.053867902
5	0.083666593

Peak	Intercept (b)
1	16.52465945
2	19.65871446
3	32.03194905
4	29.90259793
5	27.62331452

```
==================================================================
Injection Date  : 6/16/2009 2:53:36 PM          Seq. Line :   4
Sample Name     : A1221 x2000 ICAL               Location : Vial 4
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

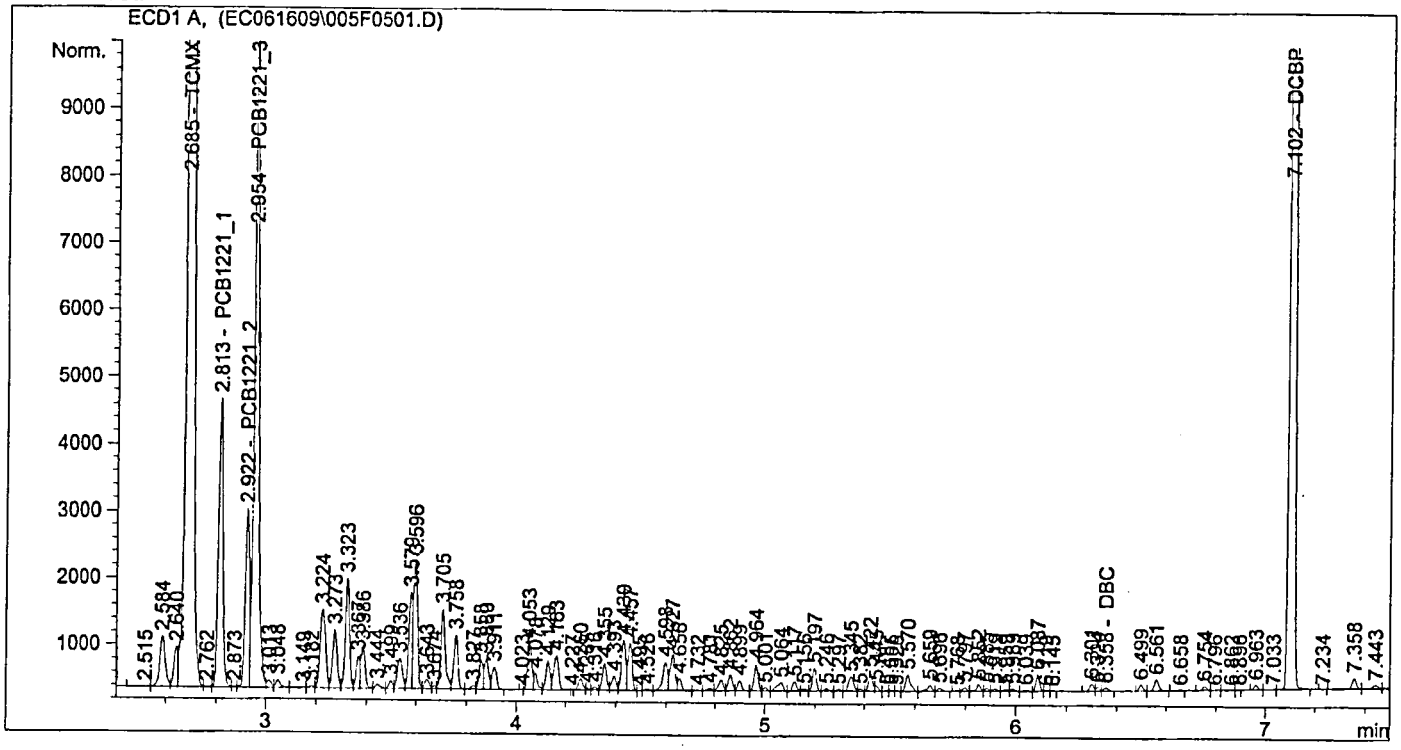
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.25626e5	1.61557e-3	202.95710		TCMX
2.812	VV	1.07929e4	1.86633e-1	2014.31070		PCB1221_1
2.922	VV	5933.97168	3.38141e-1	2006.51791		PCB1221_2
2.953	VV	2.57054e4	7.81370e-2	2008.54689		PCB1221_3
6.359	VBA	68.02941	0.00000	0.00000		DBC
7.102	VB	1.02589e5	1.98494e-3	203.63239		DCBP
Totals :				6435.96498		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:06:27 PM          Seq. Line :   5
Sample Name     : A1221 x1000 ICAL               Location : Vial 5
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

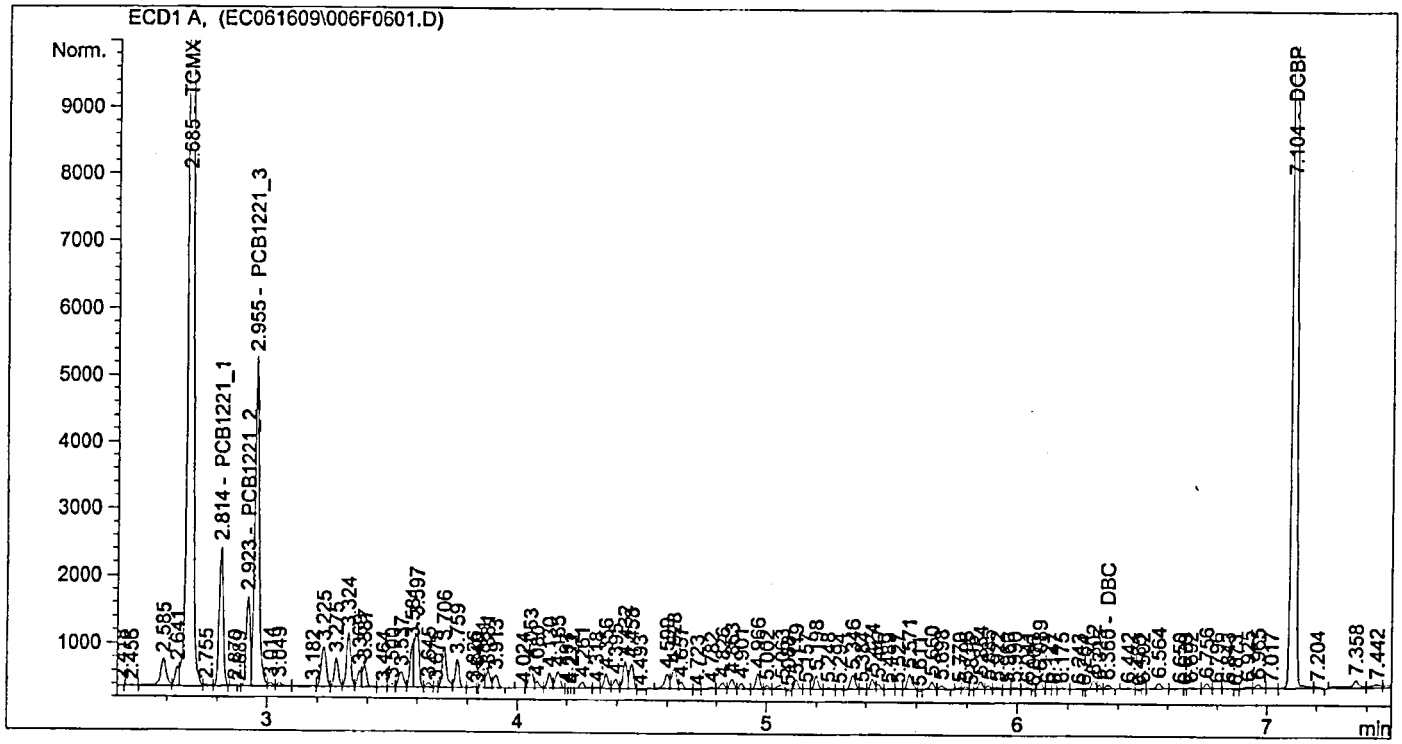
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85362e4	1.65228e-3	96.71822		TCMX
2.813	VV	5249.20459	1.88342e-1	988.64594		PCB1221_1
2.922	VV	2938.13745	3.37599e-1	991.91367		PCB1221_2
2.954	VV	1.26954e4	7.83377e-2	994.52957		PCB1221_3
6.358	VV	69.65521	0.00000	0.00000		DBC
7.102	VB	4.64764e4	2.03257e-3	94.46667		DCBP
Totals :				3166.27407		

JWS
6-17-09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:19:26 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2.50498e4	1.74417e-3	43.69111		TCMX
2.814	VP	2391.79468	1.92317e-1	459.98381		PCB1221_1
2.923	PV	1448.61218	3.36497e-1	487.45363		PCB1221_2
2.955	VV	5996.15771	7.87807e-2	472.38121		PCB1221_3
6.360	VBA	82.02856	0.00000	0.00000		DBC
7.104	VB	2.14117e4	2.13452e-3	45.70364		DCBP

BWS
6.17.09

Totals : 1509.21340

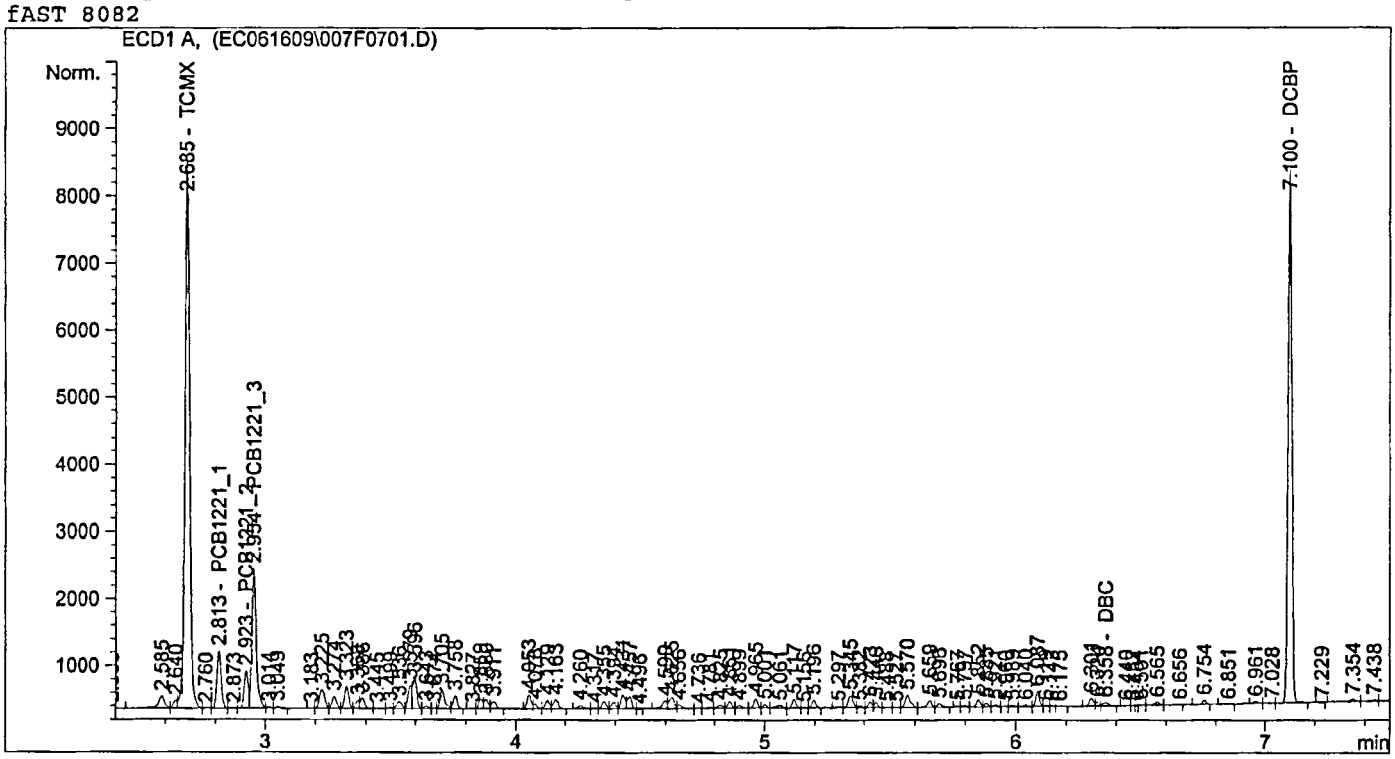
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

==========

Injection Date : 6/16/2009 3:32:12 PM Seq. Line : 7
Sample Name : A1221 x200 ICAL Location : Vial 7
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed : 6/17/2009 10:44:50 AM by BWS
fAST 8082



==========

External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.06479e4	1.96144e-3	20.88517		TCMX
2.813	VV	1008.54004	2.02334e-1	204.06171		PCB1221_1
2.923	VV	614.29877	3.33543e-1	204.89530		PCB1221_2
2.954	VV	2581.18628	7.98913e-2	206.21421		PCB1221_3
6.358	VBA	75.88888	0.00000	0.00000		DBC
7.100	VB	8395.22266	2.42761e-3	20.38030		DCBP

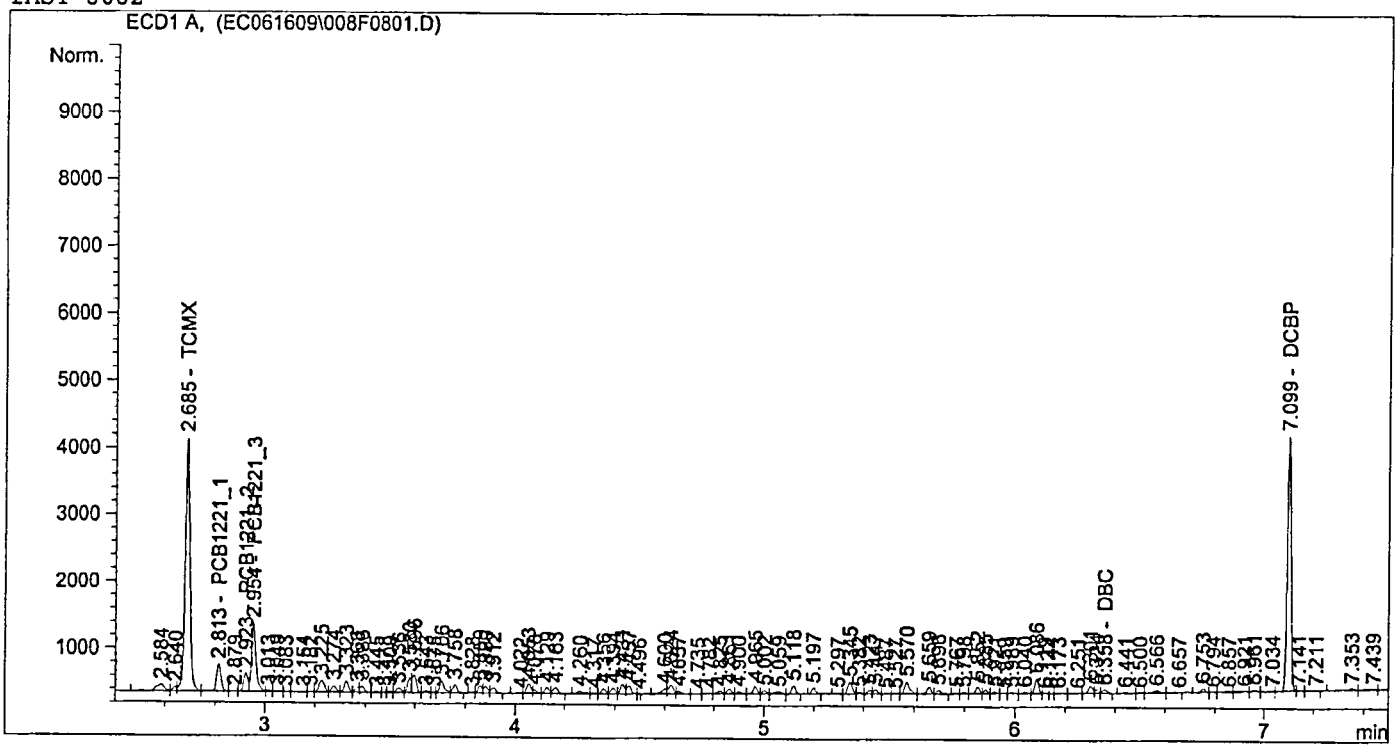
Totals : 656.43668

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

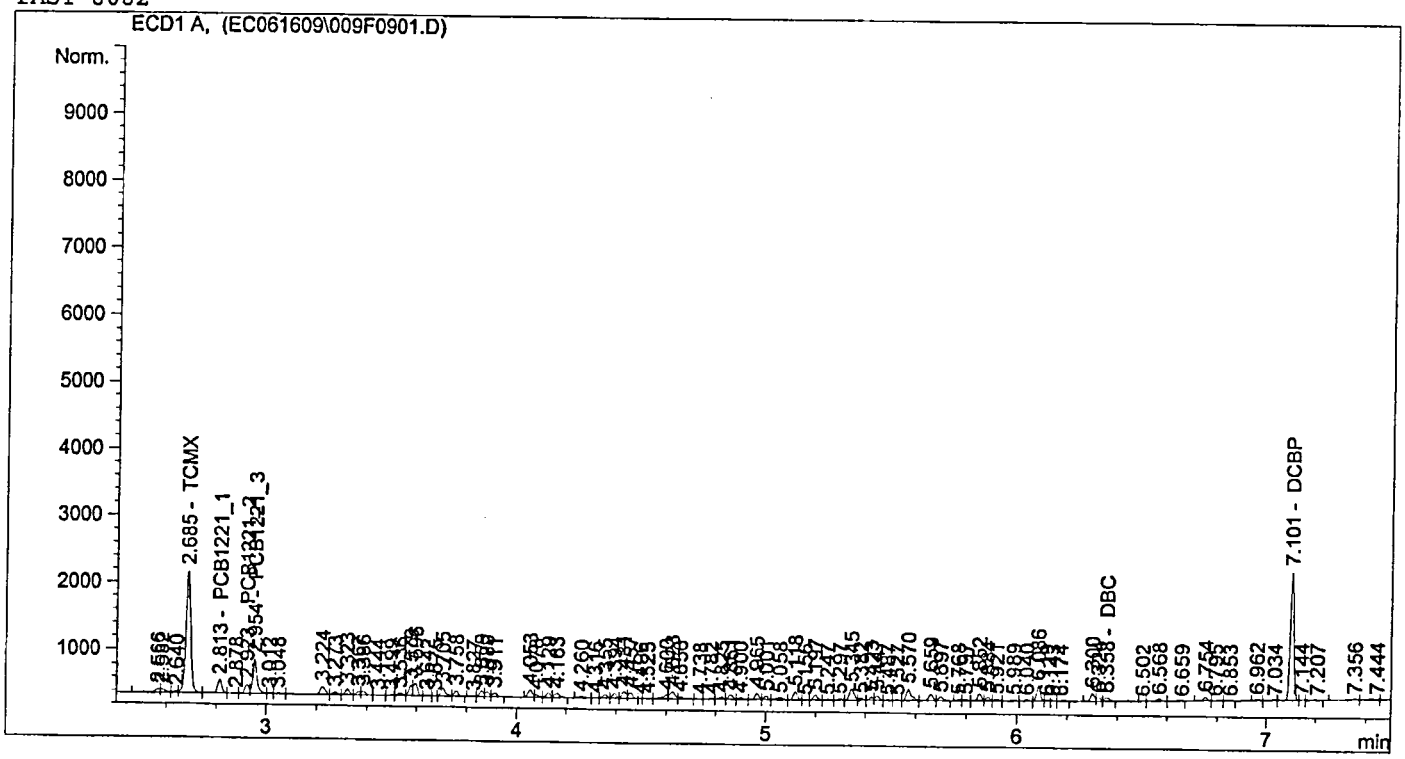
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	4984.73535	2.39078e-3	11.91740		TCMX
2.813	VB	500.90417	2.19886e-1	110.14174		PCB1221_1
2.923	VV	303.38547	3.28288e-1	99.59777		PCB1221_2
2.954	VV	1263.36267	8.19254e-2	103.50145		PCB1221_3
6.358	VBA	71.24101	0.00000	0.00000		DBC
7.099	VV	3984.79590	2.96122e-3	11.79987		DCBP
Totals :				336.95822		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   9
Sample Name     : A1221 x40 ICAL                 Location : Vial 9
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

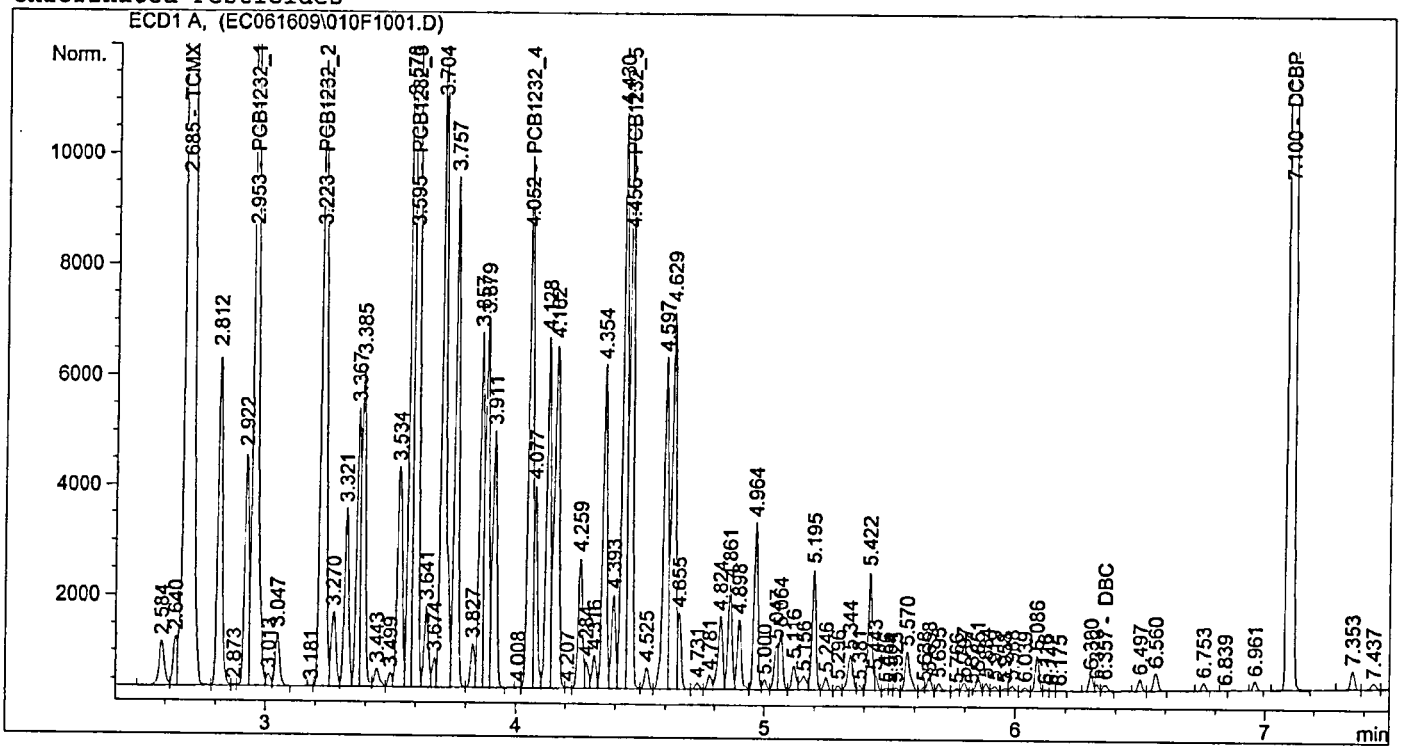
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2404.18335	3.25724e-3	7.83100		TCMX
2.813	VV	245.32616	2.56214e-1	62.85611		PCB1221_1
2.923	VV	155.82063	3.18454e-1	49.62173		PCB1221_2
2.954	VV	638.85638	8.58200e-2	54.82667		PCB1221_3
6.358	VBA	75.09637	0.00000	0.00000		DBC
7.101	VV	2040.43359	3.92913e-3	8.01714		DCBP
Totals :				183.15265		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 4:10:49 PM          Seq. Line :  10
Sample Name     : A1232 x2000 ICAL               Location : Vial 10
Acq. Operator   : BWS                                Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                     External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

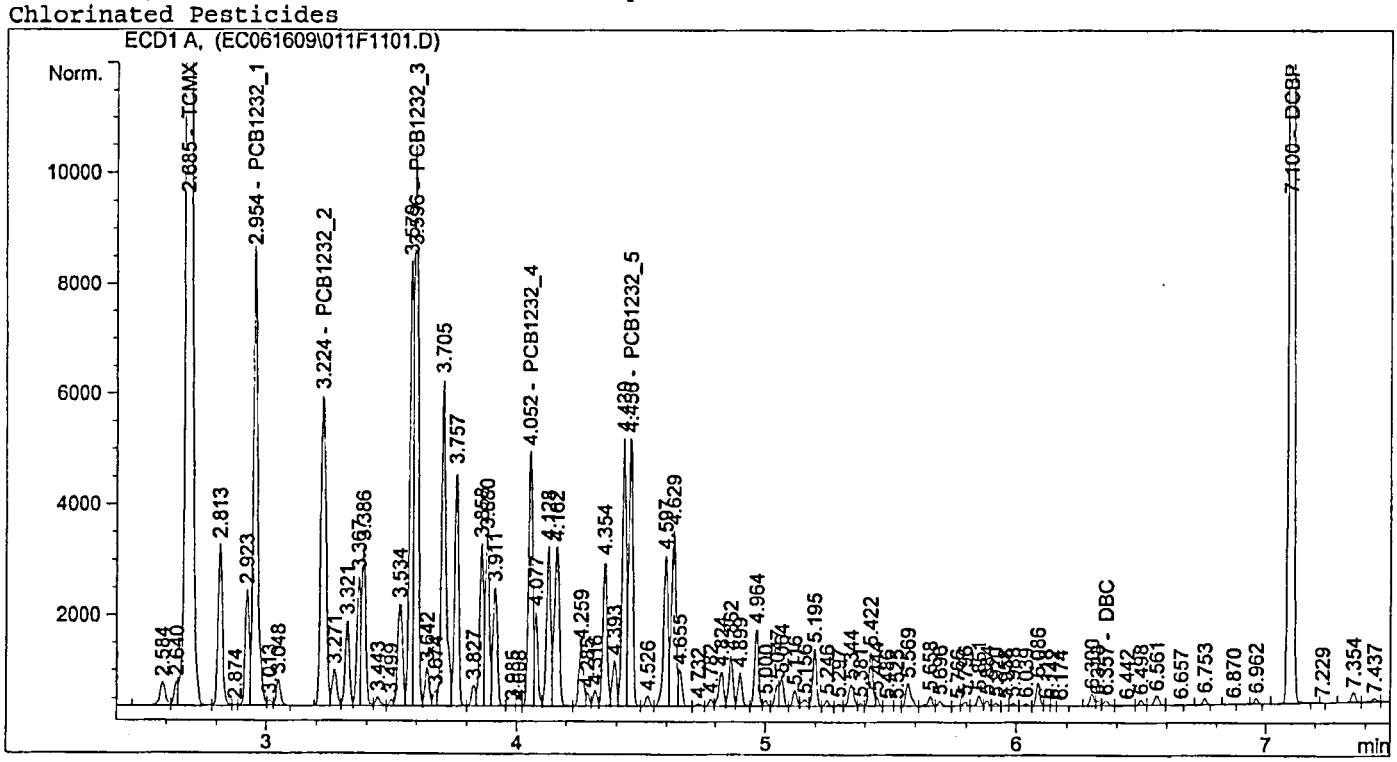
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.28585e5	1.57867e-3	202.99266		TCMX
2.953	VV	2.19295e4	9.15378e-2	2007.37971		PCB1232_1
3.223	VV	1.67455e4	1.20052e-1	2010.33401		PCB1232_2
3.595	VV	2.48887e4	8.13899e-2	2025.68521		PCB1232_3
4.052	VV	1.13965e4	1.77729e-1	2025.48786		PCB1232_4
4.456	VV	1.19353e4	1.69886e-1	2027.63778		PCB1232_5
6.357	VV	154.62846	1.31176	202.83508		DBC
7.100	PB	1.04339e5	1.95163e-3	203.63069		DCBP
Totals :				1.07060e4		

BWS
6.17.09

```
Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 4:23:47 PM          Seq. Line :  11
Sample Name     : A1232 x1000 ICAL               Location : Vial 11
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85306e4	1.62639e-3	95.19388		TCMX
2.954	VV	1.06422e4	9.22723e-2	981.98283		PCB1232_1
3.224	VV	8107.24463	1.21205e-1	982.63823		PCB1232_2
3.596	VV	1.14238e4	8.29473e-2	947.57043		PCB1232_3
4.052	VV	5312.27930	1.80420e-1	958.44117		PCB1232_4
4.456	VV	5470.34326	1.73471e-1	948.94532		PCB1232_5
6.357	VV	105.82750	8.70158e-1	92.08665		DBC
7.100	BB	4.64543e4	2.01128e-3	93.43272		DCBP

BWS
6-17-09

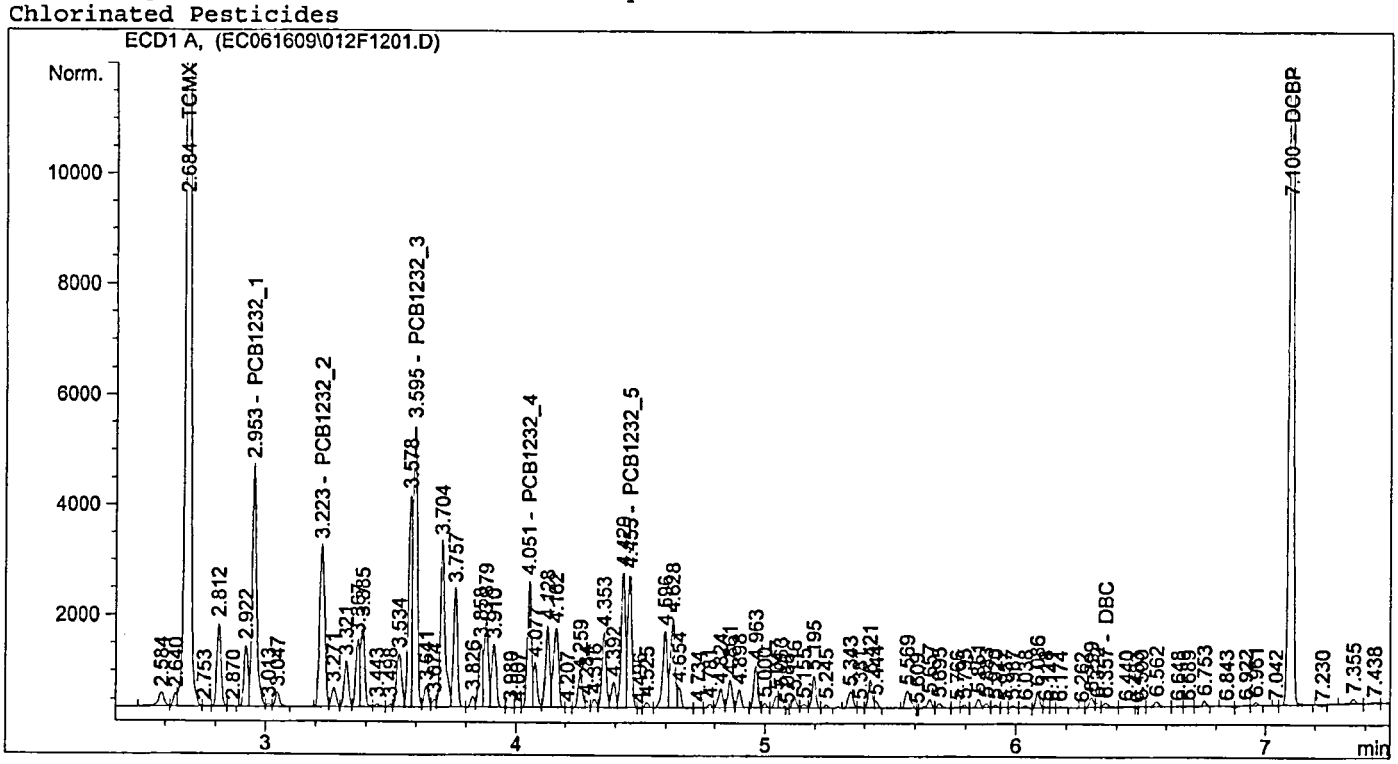
Totals : 5100.29123

Results obtained with enhanced integrator!

==
*** End of Report ***

==========

Injection Date : 6/16/2009 4:36:37 PM Seq. Line : 12
Sample Name : A1232 x500 ICAL Location : Vial 12
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-2\1232F.M
Last changed : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:49:16 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2.74659e4	1.72547e-3	47.39165		TCMX
2.953	VV	5459.36719	9.36271e-2	511.14479		PCB1232_1
3.223	VV	4011.20239	1.23487e-1	495.33154		PCB1232_2
3.595	VV	5890.49268	8.56516e-2	504.53041		PCB1232_3
4.051	VV	2581.75781	1.85751e-1	479.56532		PCB1232_4
4.455	VP	2731.88257	1.80105e-1	492.02517		PCB1232_5
6.357	VB	88.85879	6.02957e-1	53.57802		DBC
7.100	PB	2.28398e4	2.12244e-3	48.47617		DCBP

Totals : 2632.04306

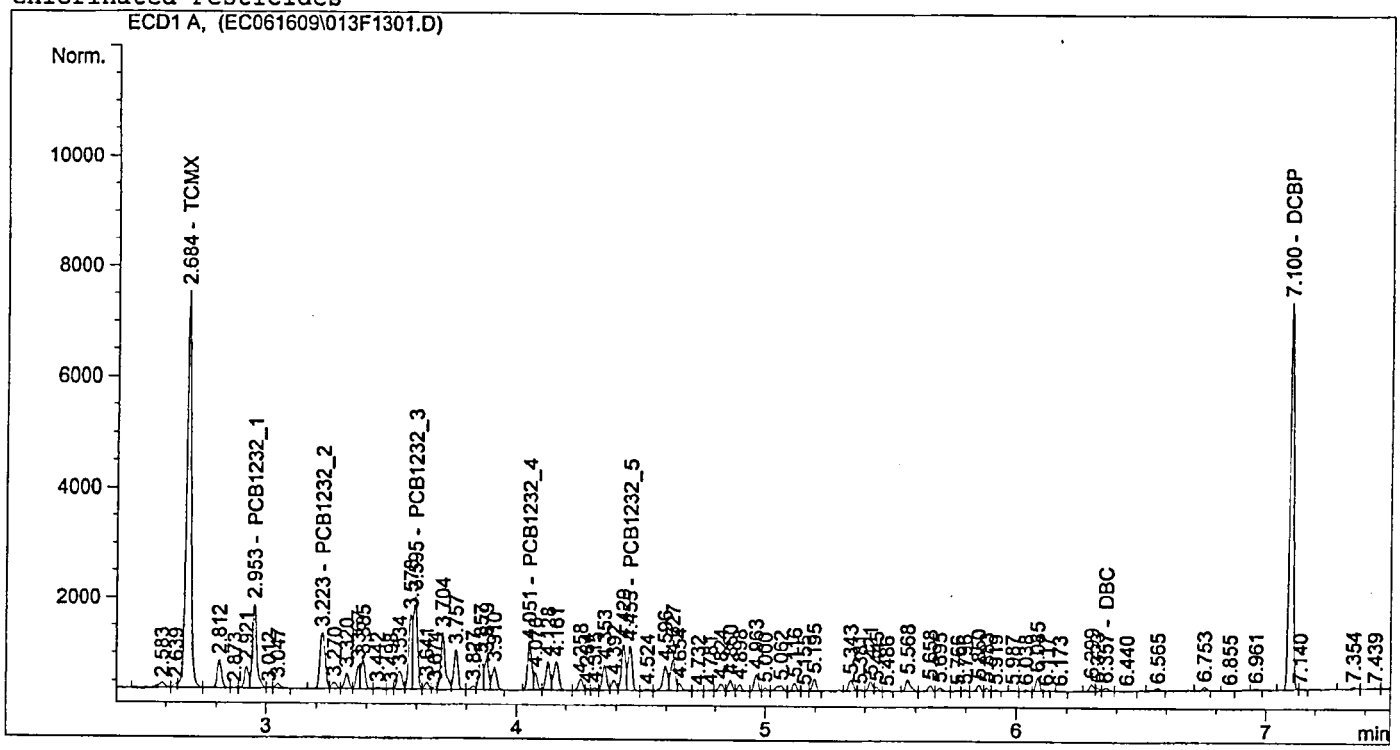
BWS
6.17.09

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 4:49:25 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

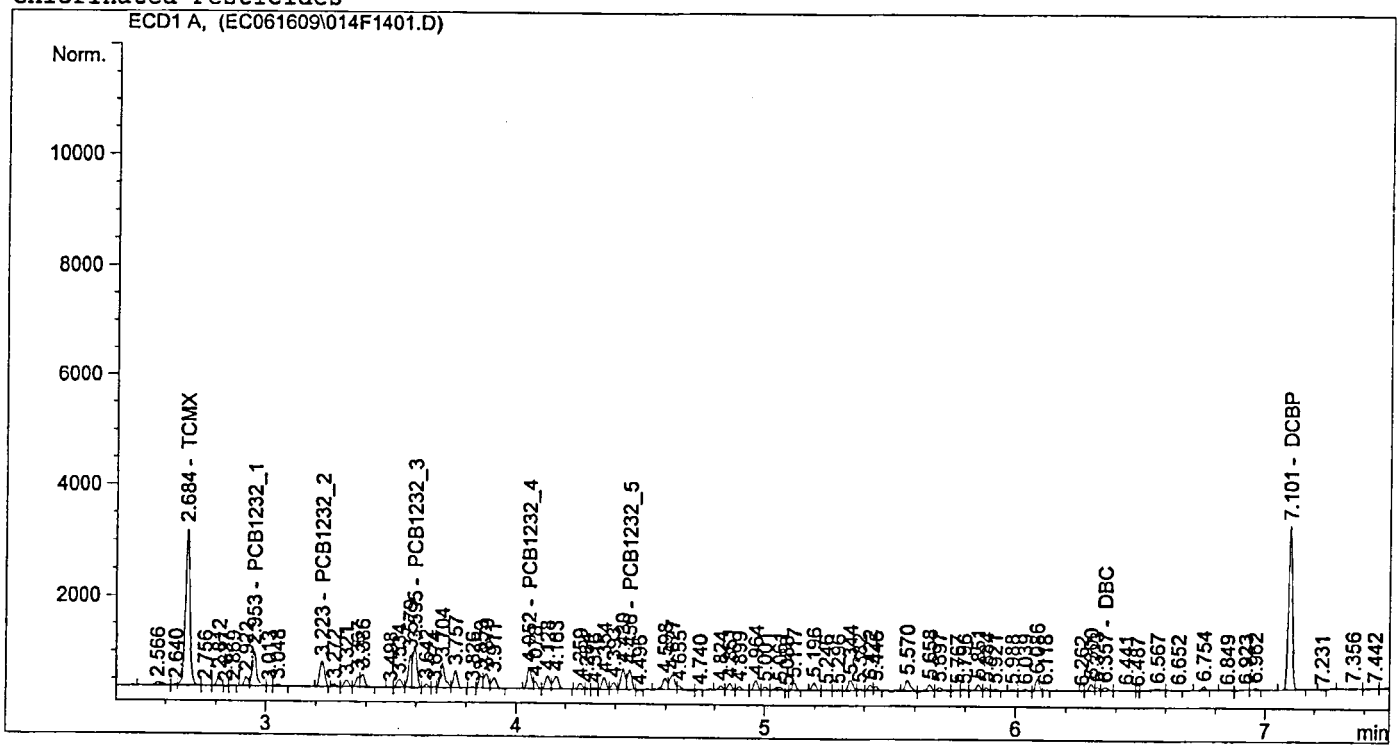
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	9296.84180	2.09031e-3	19.43330		TCMX
2.953	VV	1918.33850	9.87621e-2	189.45923		PCB1232_1
3.223	VV	1475.92578	1.31246e-1	193.70935		PCB1232_2
3.595	VV	1920.76770	9.71906e-2	186.68064		PCB1232_3
4.051	PV	955.56946	2.03404e-1	194.36619		PCB1232_4
4.455	VV	916.82739	2.06340e-1	189.17791		PCB1232_5
6.357	VV	74.82659	2.90451e-1	21.73349		DBC
7.100	VV	7333.77930	2.58480e-3	18.95637		DCBP
Totals :				1013.51648		

BWS
6.17.09

```
Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 5:02:18 PM          Seq. Line :  14
Sample Name     : A1232 x100 ICAL                Location : Vial 14
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

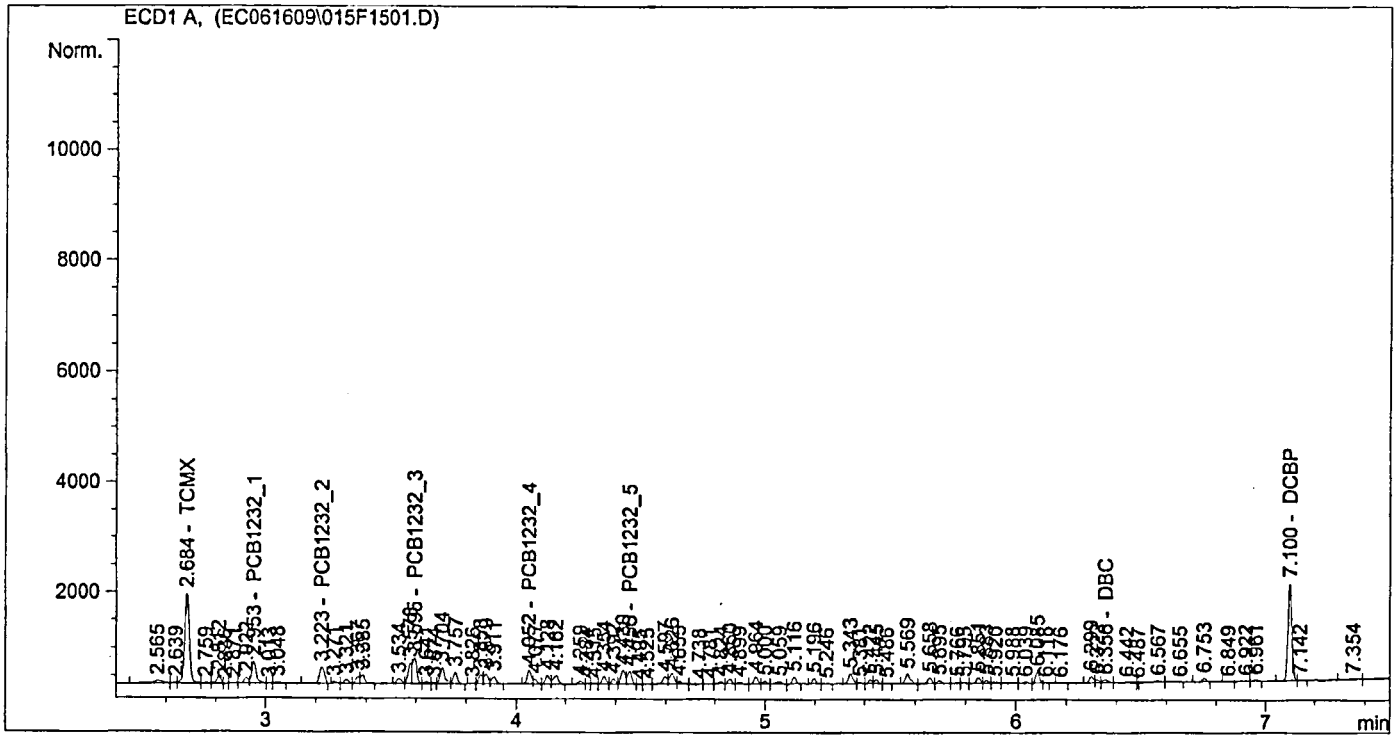
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	3586.46118	2.96844e-3	10.64621		TCMX
2.953	VV	822.08234	1.09319e-1	89.86959		PCB1232_1
3.223	BP	627.54523	1.47842e-1	92.77740		PCB1232_2
3.595	VV	845.77960	1.18953e-1	100.60800		PCB1232_3
4.052	PV	440.46237	2.36177e-1	104.02727		PCB1232_4
4.456	VP	406.56943	2.55897e-1	104.03988		PCB1232_5
6.357	VV	70.51414	1.69425e-1	11.94687		DBC
7.101	PB	3122.70605	3.50320e-3	10.93948		DCBP
Totals :				524.85470		

BWS
6.17.09

```
Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 5:15:07 PM          Seq. Line :  15
Sample Name     : A1232 x40 ICAL                 Location : Vial 15
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2089.24365	3.99298e-3	8.34230		TCMX
2.953	VV	495.08936	1.21521e-1	60.16384		PCB1232_1
3.223	BP	395.82391	1.64744e-1	65.20948		PCB1232_2
3.595	VV	525.02045	1.42709e-1	74.92531		PCB1232_3
4.052	PV	292.69611	2.66871e-1	78.11219		PCB1232_4
4.456	VP	251.54694	3.10773e-1	78.17393		PCB1232_5
6.356	VV	66.05173	2.75526e-2	1.81990		DBC
7.100	VV	1875.22559	4.56722e-3	8.56457		DCBP

Totals : 375.31152

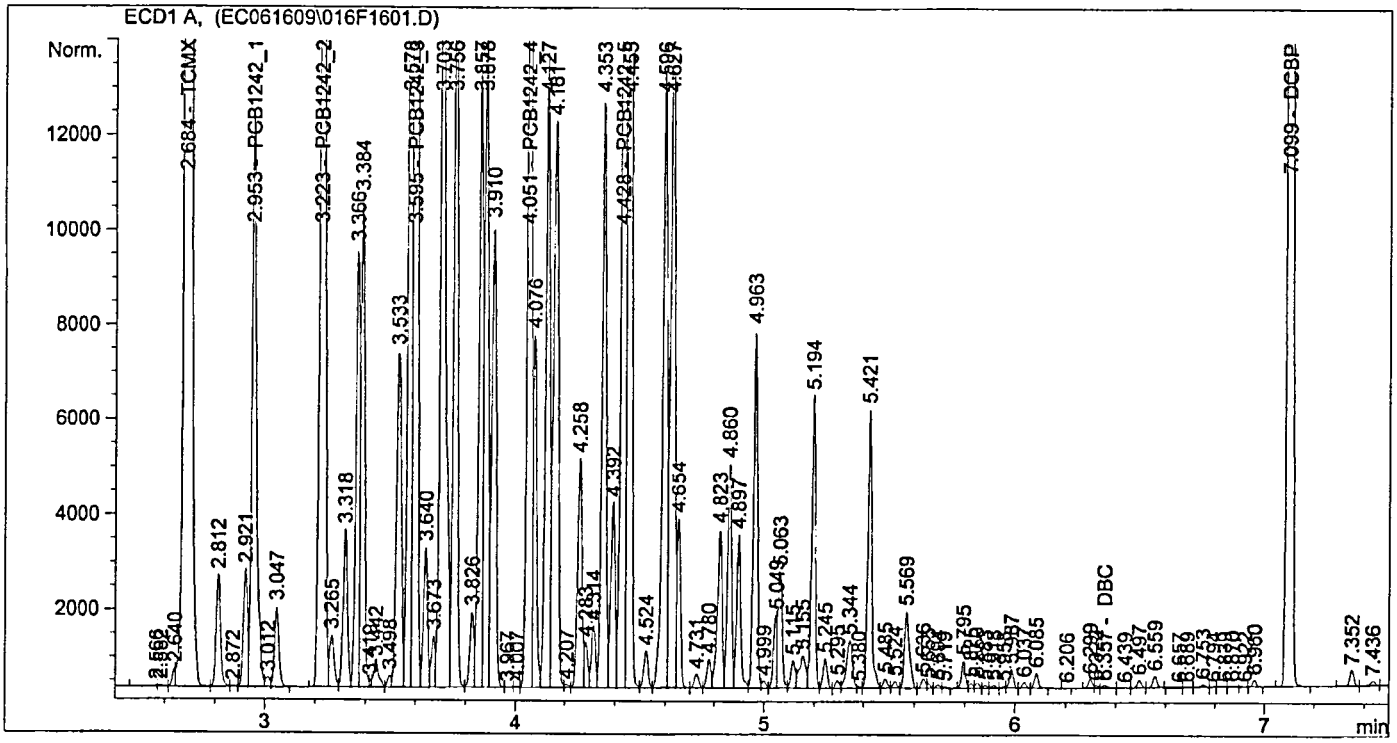
BWS
6.17.09

Results obtained with enhanced integrator!

==

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  16
Sample Name     : A1242 x2000 ICAL               Location : Vial 16
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	1.24533e5	1.61574e-3	201.21328		TCMX
2.953	VV	1.58930e4	1.25320e-1	1991.70688		PCB1242_1
3.223	PV	2.95357e4	6.73104e-2	1988.06254		PCB1242_2
3.595	VV	4.49982e4	4.43743e-2	1996.76595		PCB1242_3
4.051	VV	2.33747e4	8.57256e-2	2003.81239		PCB1242_4
4.428	VV	2.53352e4	7.92151e-2	2006.93062		PCB1242_5
6.357	VV	46.07360	0.00000	0.00000		DBC
7.099	BV	1.01493e5	1.98905e-3	201.87401		DCBP

Totals : 1.03904e4

BWS
6.17.09

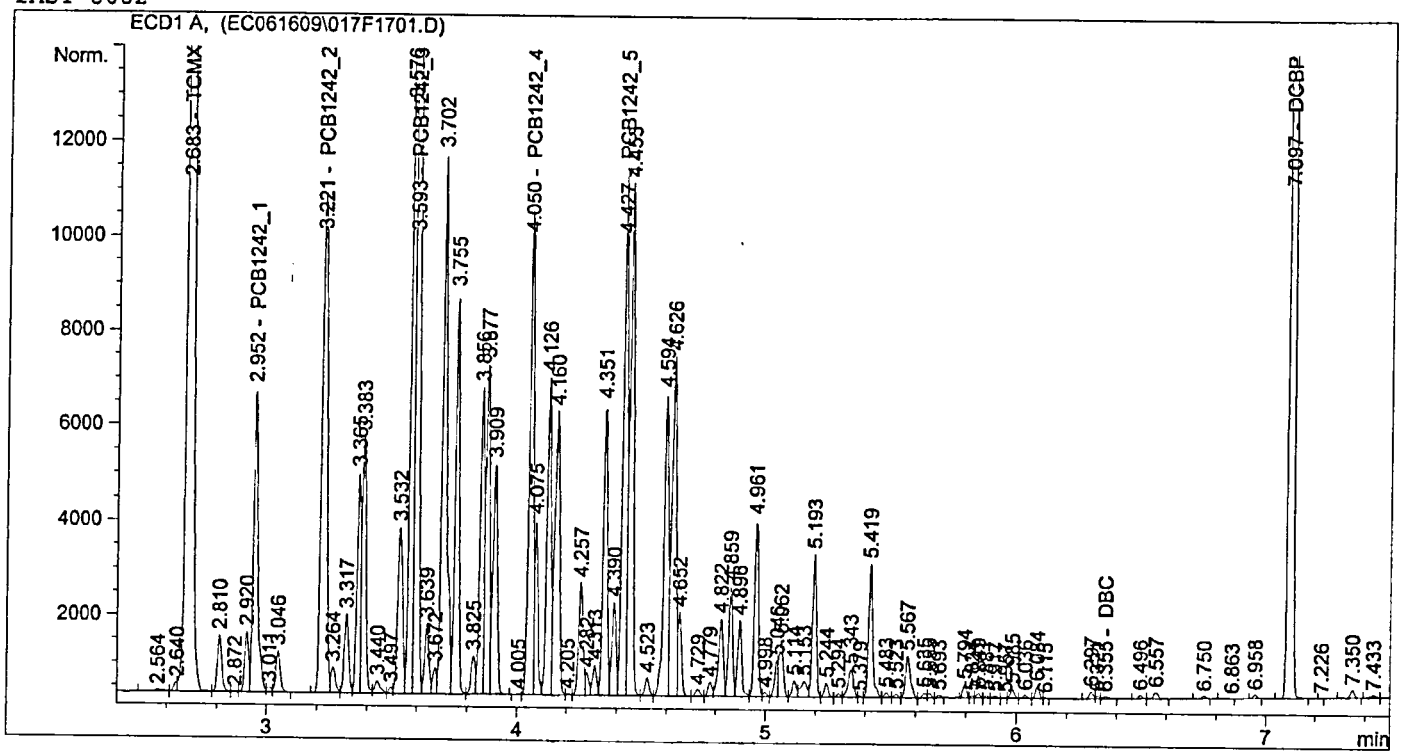
```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

==========

Injection Date : 6/16/2009 5:40:58 PM Seq. Line : 17
Sample Name : A1242 x1000 ICAL Location : Vial 17
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed : 6/17/2009 10:55:31 AM by BWS
fAST 8082



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.683	VV	6.12233e4	1.64980e-3	101.00598		TCMX
2.952	VV	8266.91797	1.25530e-1	1037.74860		PCB1242_1
3.221	PV	1.55127e4	6.74188e-2	1045.84986		PCB1242_2
3.593	VV	2.27097e4	4.47441e-2	1016.12539		PCB1242_3
4.050	VV	1.17902e4	8.67780e-2	1023.13035		PCB1242_4
4.427	VV	1.25010e4	8.02404e-2	1003.08927		PCB1242_5
6.355	VB	69.59908	0.00000	0.00000		DBC
7.097	VB	4.86358e4	2.03100e-3	98.77927		DCBP

Totals : 5325.72872

BWS
6.17.09

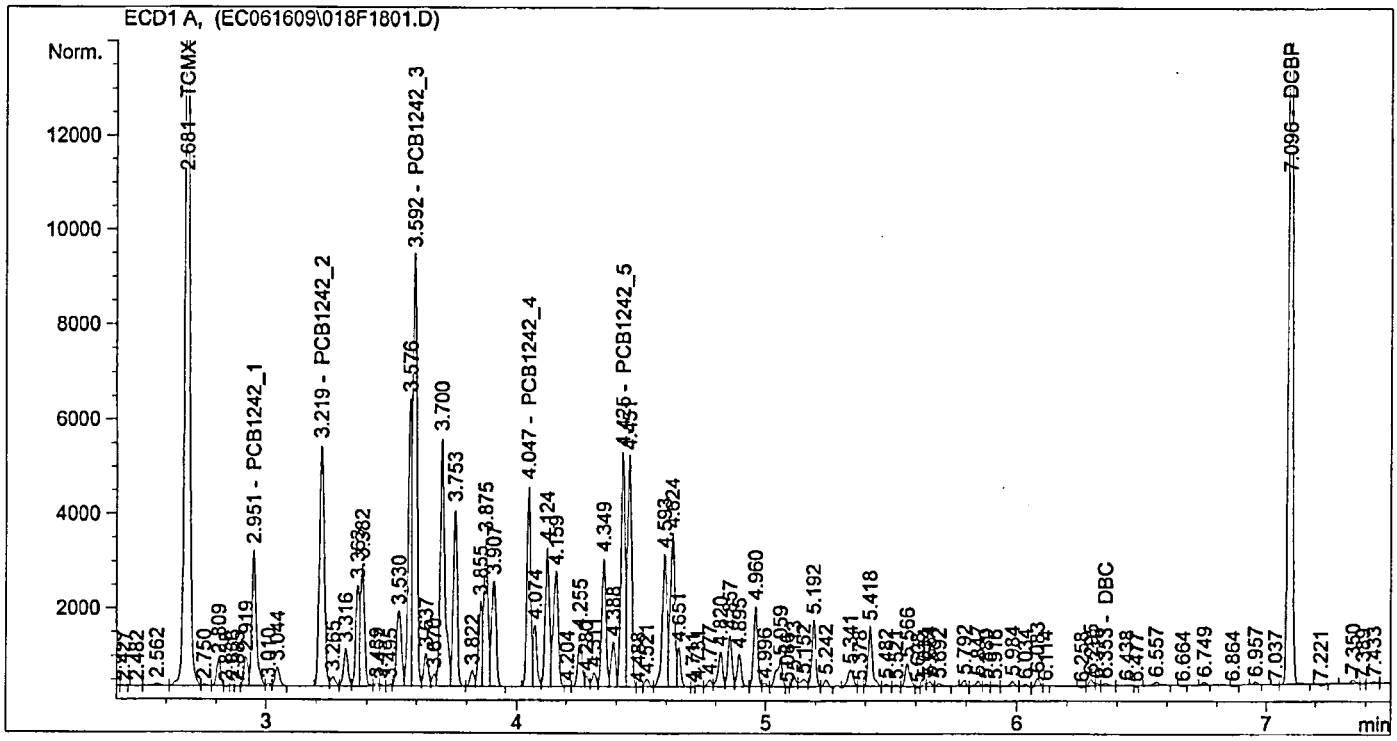
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 5:53:51 PM Seq. Line : 18
Sample Name : A1242 x500 ICAL Location : Vial 18
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed : 6/17/2009 10:55:31 AM by BWS
fAST 8082



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	2.43234e4	1.75143e-3	42.60065		TCMX
2.951	VV	3628.71558	1.26091e-1	457.54749		PCB1242_1
3.219	PV	6743.10840	6.77157e-2	456.61398		PCB1242_2
3.592	VV	1.06319e4	4.55920e-2	484.72847		PCB1242_3
4.047	PV	4836.10059	8.98314e-2	434.43365		PCB1242_4
4.425	VV	5635.85596	8.27059e-2	466.11862		PCB1242_5
6.353	VV	69.22704	0.00000	0.00000		DBC
7.096	PB	2.08276e4	2.13856e-3	44.54098		DCBP

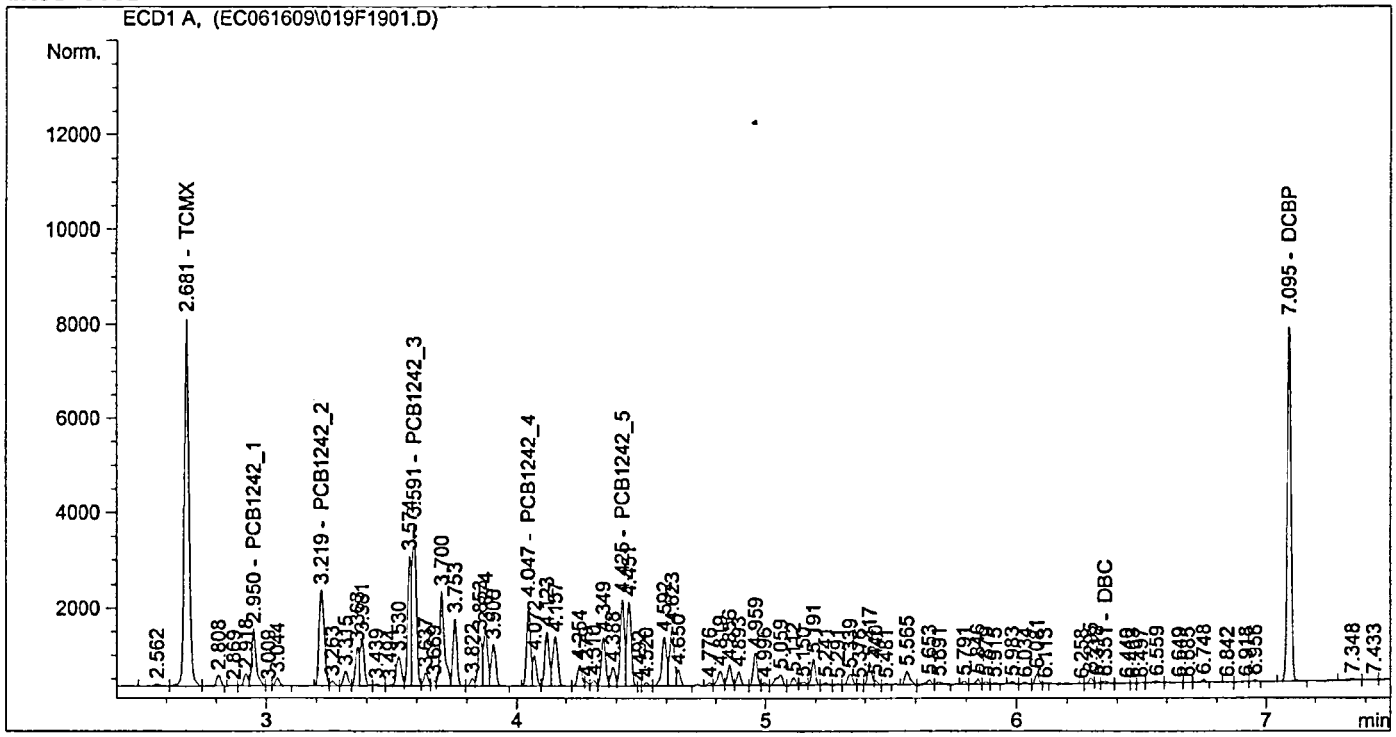
Totals : 2386.58383

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:06:49 PM          Seq. Line :  19
Sample Name     : A1242 x200 ICAL                Location : Vial 19
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	9864.52441	1.99859e-3	19.71514		TCMX
2.950	VV	1538.38574	1.27448e-1	196.06436		PCB1242_1
3.219	BV	2850.61401	6.84328e-2	195.07536		PCB1242_2
3.591	VV	3870.94604	4.83767e-2	187.26378		PCB1242_3
4.047	PV	2049.92676	9.68676e-2	198.57148		PCB1242_4
4.425	VV	2122.51245	9.01373e-2	191.31744		PCB1242_5
6.351	VV	44.81857	0.00000	0.00000		DBC
7.095	PB	7972.79297	2.44186e-3	19.46847		DCBP

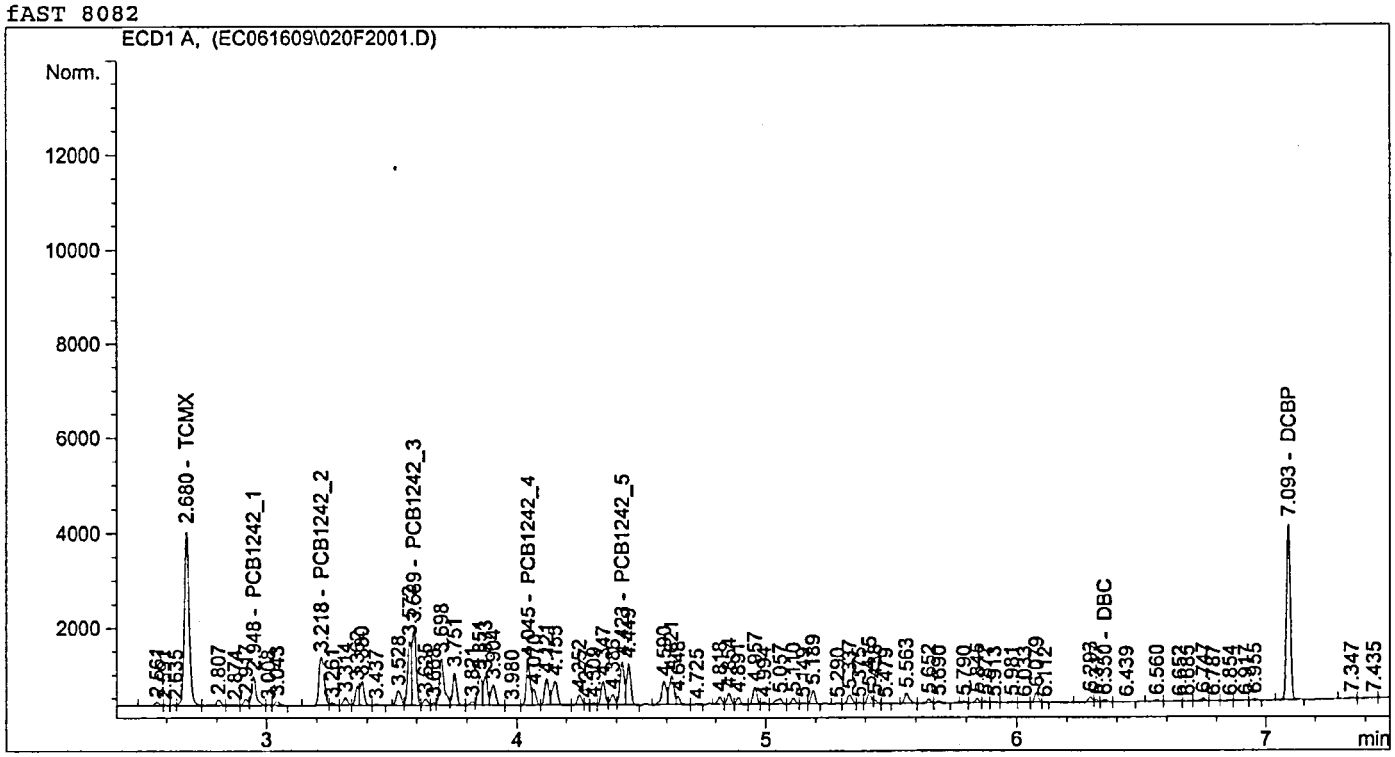
Totals : 1007.47603

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

```
==================================================================
Injection Date  : 6/16/2009 6:19:35 PM          Seq. Line :  20
Sample Name     : A1242 x100 ICAL                Location : Vial 20
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	4837.55371	2.43066e-3	11.75844		TCMX
2.948	VV	793.58032	1.29660e-1	102.89531		PCB1242_1
3.218	BV	1467.12085	6.96042e-2	102.11777		PCB1242_2
3.589	VV	1857.66870	5.31227e-2	98.68435		PCB1242_3
4.045	VV	1025.63940	1.09065e-1	111.86094		PCB1242_4
4.423	VV	1045.56165	1.02416e-1	107.08219		PCB1242_5
6.350	VV	56.60671	0.00000	0.00000		DBC
7.093	VB	3930.30664	2.94731e-3	11.58384		DCBP

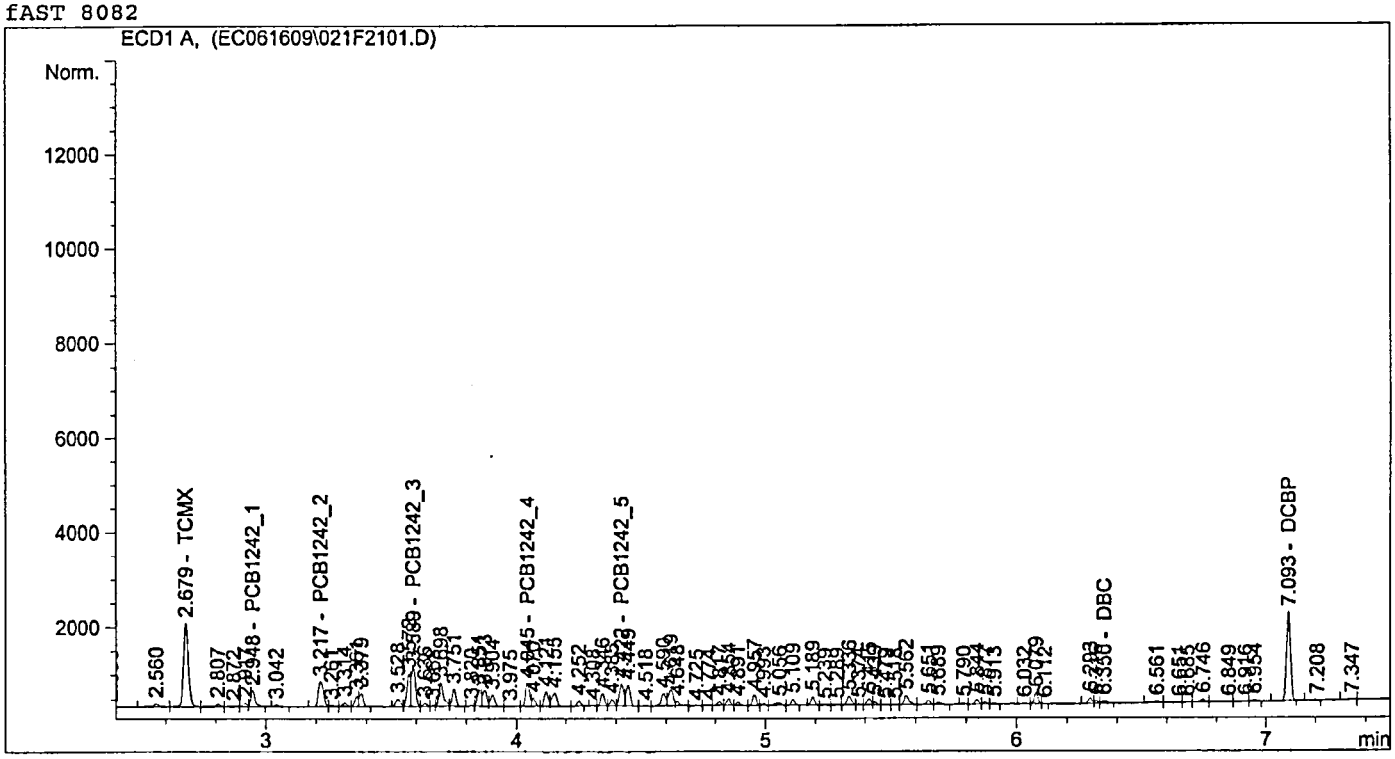
Totals : 545.98284

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:32:31 PM          Seq. Line :  21
Sample Name     : A1242 x40 ICAL                 Location : Vial 21
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET-2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2277.57568	3.38364e-3	7.70651		TCMX
2.948	VV	403.00357	1.34087e-1	54.03736		PCB1242_1
3.217	VV	725.38965	7.20723e-2	52.28049		PCB1242_2
3.589	VV	897.33759	6.28883e-2	56.43206		PCB1242_3
4.045	VV	509.78085	1.33766e-1	68.19119		PCB1242_4
4.422	VV	513.44421	1.27496e-1	65.46186		PCB1242_5
6.350	VV	56.95115	0.00000	0.00000		DBC
7.093	BV	1966.44092	3.94288e-3	7.75343		DCBP
Totals :				311.86290		

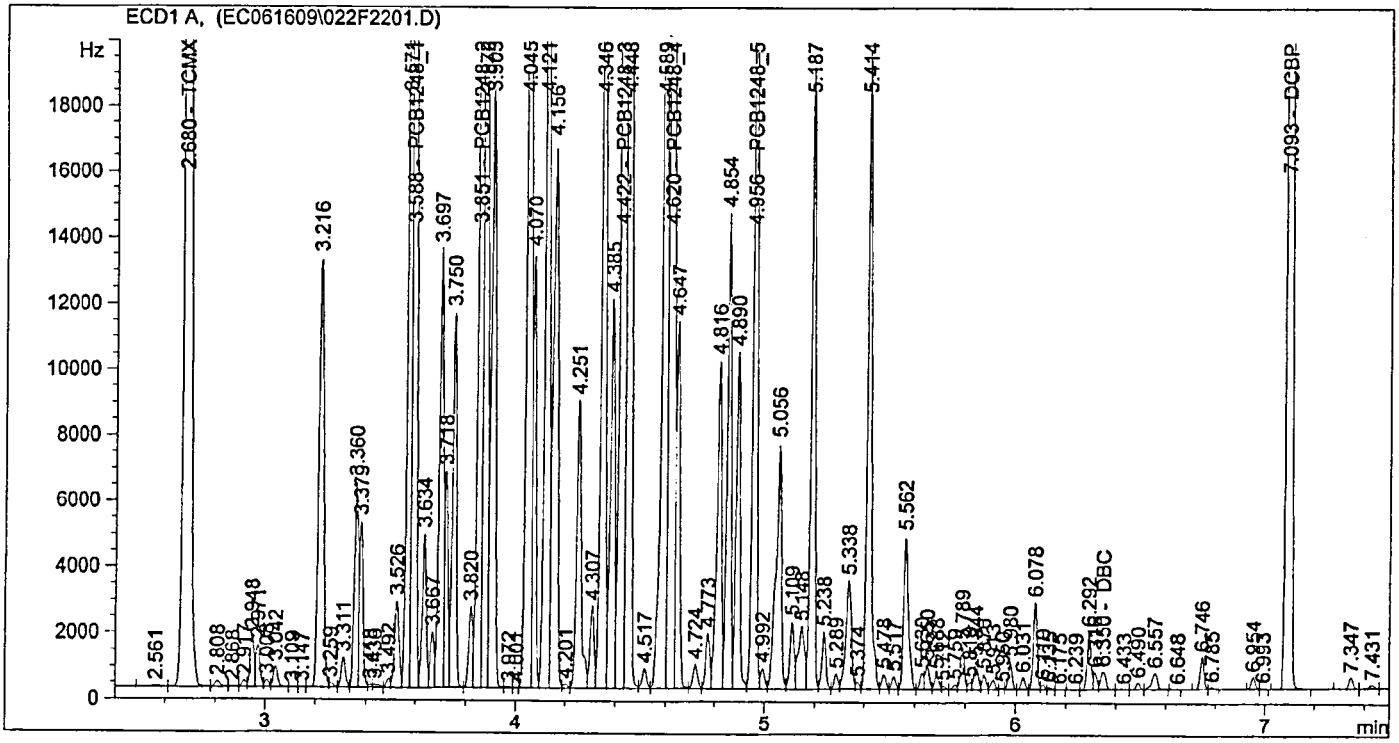
BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

```
==================================================================
Injection Date  : 6/16/2009 6:45:23 PM          Seq. Line :  22
Sample Name     : A1248 x2000 ICAL               Location : Vial 22
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

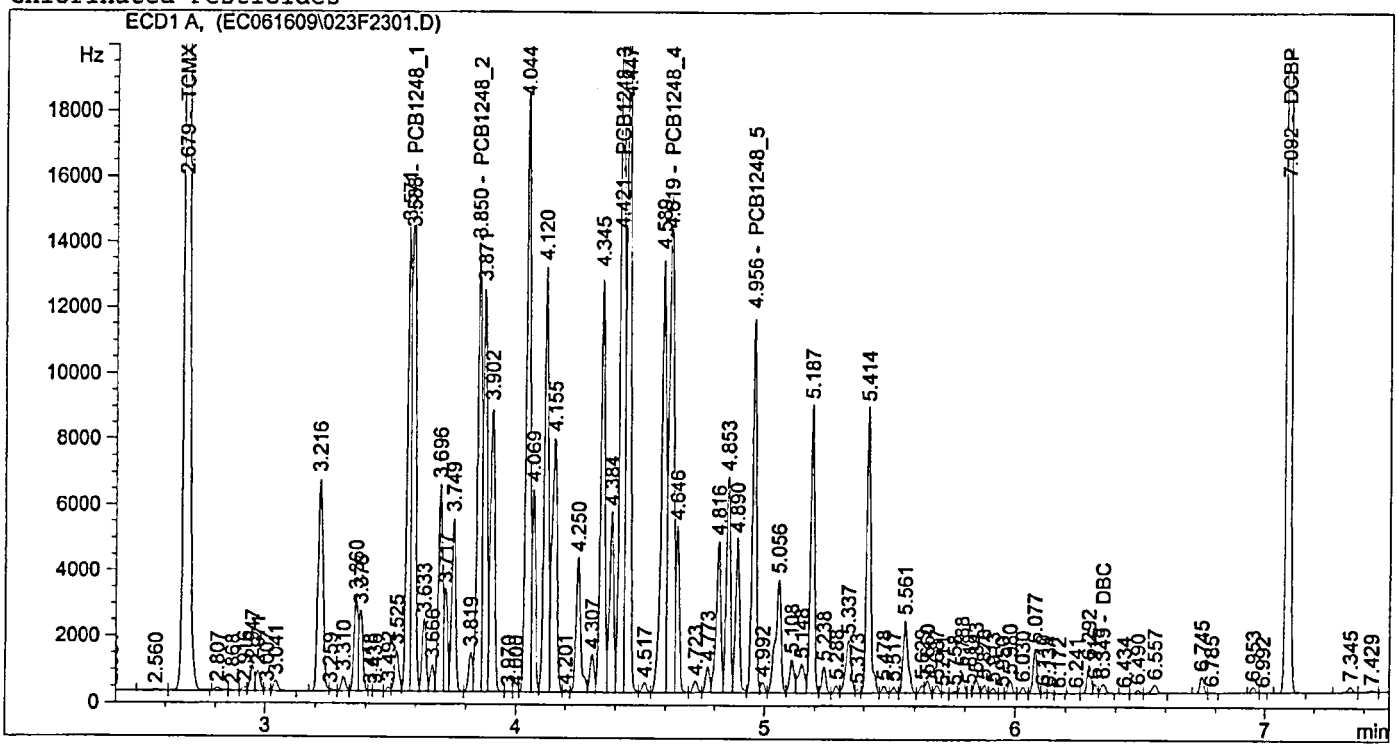
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	1.29592e5	1.56648e-3	203.00286		TCMX
3.588	VV	3.66658e4	5.51413e-2	2021.79814		PCB1248_1
3.851	VV	3.11485e4	6.45359e-2	2010.19920		PCB1248_2
4.422	VV	5.81616e4	3.48179e-2	2025.06568		PCB1248_3
4.620	VV	4.46546e4	4.53601e-2	2025.53551		PCB1248_4
4.956	VV	2.71306e4	7.47898e-2	2029.09034		PCB1248_5
6.350	VV	766.40961	2.61907e-1	200.72788		DBC
7.093	BV	1.04567e5	1.94984e-3	203.88982		DCBP
Totals :				1.07193e4		

BWS
6/17/09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 6:58:15 PM          Seq. Line :  23
Sample Name     : A1248 x1000 ICAL               Location : Vial 23
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	5.91737e4	1.61856e-3	95.77608		TCMX
3.588	VV	1.72012e4	5.64207e-2	970.50645		PCB1248_1
3.850	VV	1.50825e4	6.60115e-2	995.61554		PCB1248_2
4.421	VV	2.69915e4	3.57349e-2	964.53920		PCB1248_3
4.619	VV	2.07182e4	4.65335e-2	964.09235		PCB1248_4
4.956	VV	1.24627e4	7.68971e-2	958.34194		PCB1248_5
6.349	VB	400.58411	2.49832e-1	100.07870		DBC
7.092	VB	4.66681e4	2.01809e-3	94.18048		DCBP

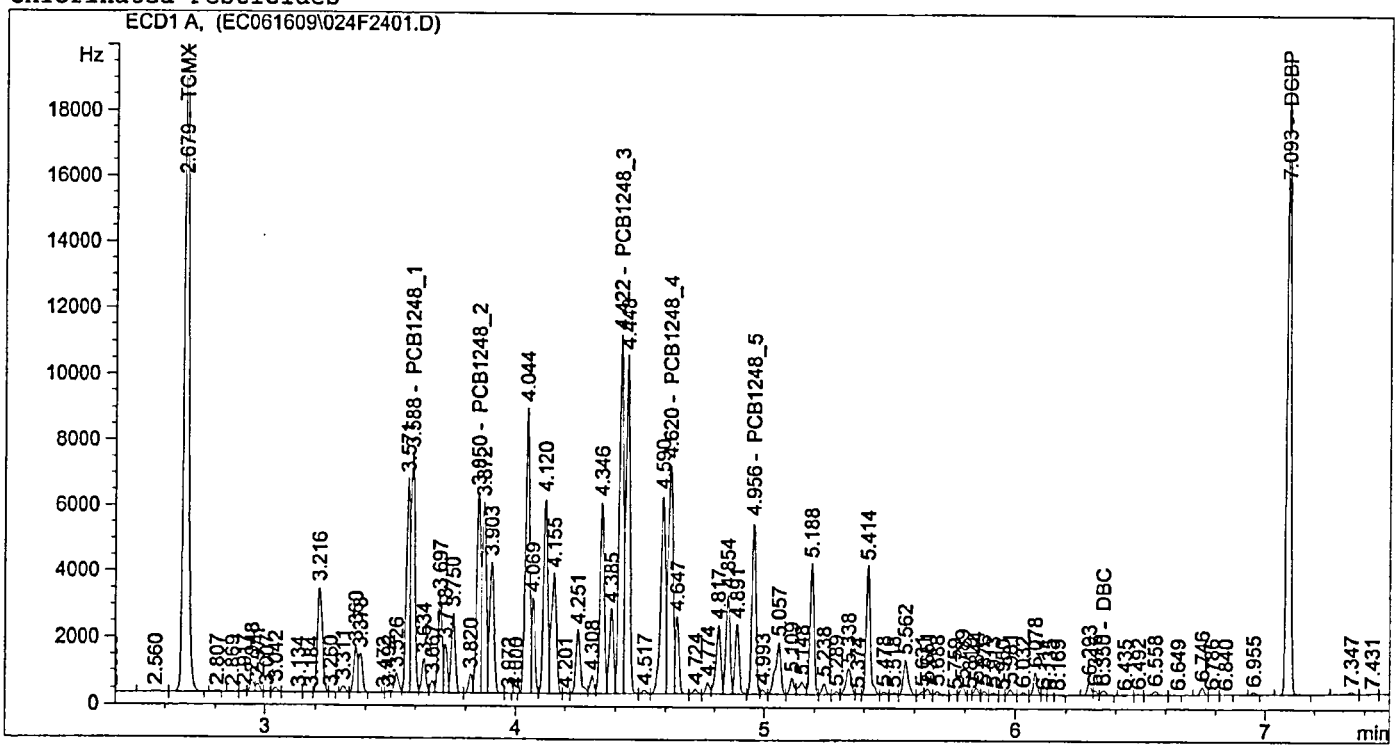
Totals : 5143.13073

BWS
6.17.09

Results obtained with enhanced integrator!

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 7:11:15 PM          Seq. Line :  24
Sample Name     : A1248 x500 ICAL                Location : Vial 24
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

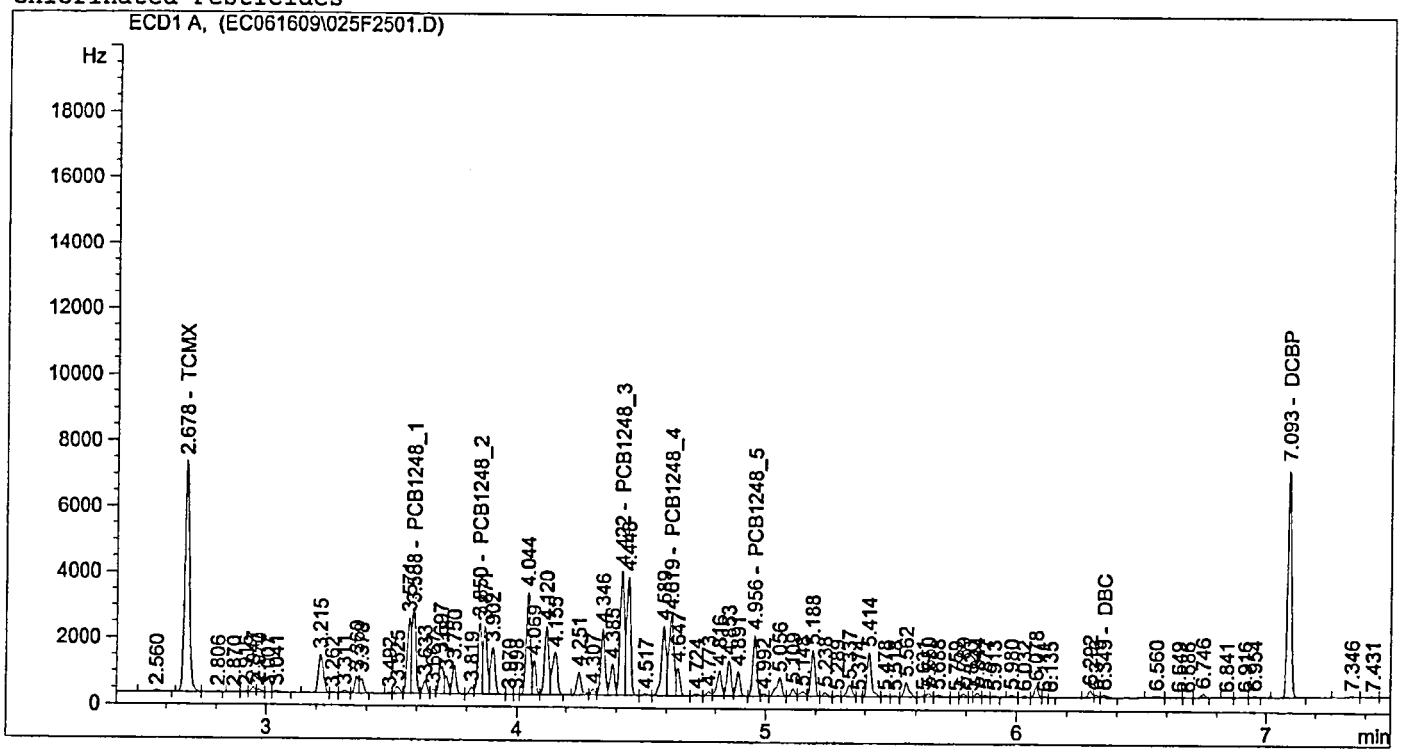
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	2.65143e4	1.73661e-3	46.04496		TCMX
3.588	VV	7947.63037	5.92269e-2	470.71361		PCB1248_1
3.850	VV	6716.69434	6.95747e-2	467.31201		PCB1248_2
4.422	VV	1.24080e4	3.77458e-2	468.34971		PCB1248_3
4.620	VV	9514.63184	4.91111e-2	467.27423		PCB1248_4
4.956	VV	5683.82764	8.15457e-2	463.49196		PCB1248_5
6.350	VB	209.95770	2.26864e-1	47.63186		DBC
7.093	VB	2.09592e4	2.16929e-3	45.46662		DCBP

Totals : 2476.28497

BWS
6.17.09

```
Results obtained with enhanced integrator!
==================================================================
                    *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:24:05 PM          Seq. Line :  25
Sample Name     : A1248 x200 ICAL                Location : Vial 25
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	9037.30078	2.15025e-3	19.43242		TCMX
3.588	VV	2780.86670	6.89187e-2	191.65365		PCB1248_1
3.850	VV	2357.02759	8.14568e-2	191.99596		PCB1248_2
4.422	VV	4327.10547	4.46966e-2	193.40674		PCB1248_3
4.619	VV	3333.63086	5.79492e-2	193.18114		PCB1248_4
4.956	VV	1994.11768	9.73592e-2	194.14578		PCB1248_5
6.349	VB	100.45596	1.74253e-1	17.50476		DBC
7.093	BB	7328.20898	2.67982e-3	19.63826		DCBP

Totals : 1020.95871

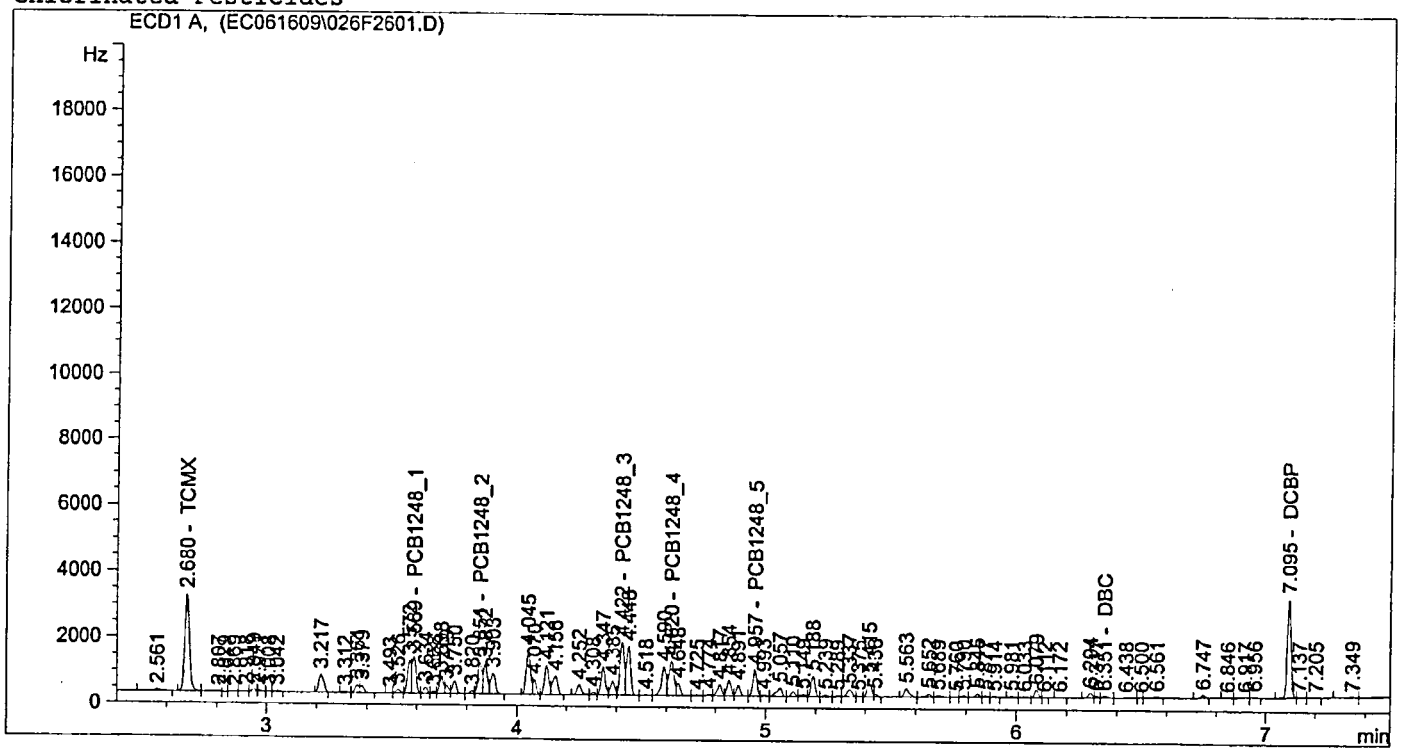
BWS
6-17-09

```
Results obtained with enhanced integrator!
==================================================================
                    *** End of Report ***
```

==========

Injection Date : 6/16/2009 7:37:02 PM Seq. Line : 26
Sample Name : A1248 x100 ICAL Location : Vial 26
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:02:53 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	BV	3712.91650	3.05013e-3	11.32487		TCMX
3.589	VV	1206.29956	8.83780e-2	106.61035		PCB1248_1
3.851	VV	1041.66187	1.04573e-1	108.92969		PCB1248_2
4.422	VV	1840.27234	5.91190e-2	108.79501		PCB1248_3
4.620	VV	1445.28992	7.57244e-2	109.44370		PCB1248_4
4.957	VV	865.40601	1.29131e-1	111.75064		PCB1248_5
6.351	VV	72.35494	1.35075e-1	9.77336		DBC
7.095	VV	3173.20874	3.70768e-3	11.76526		DCBP
Totals :				578.39286		

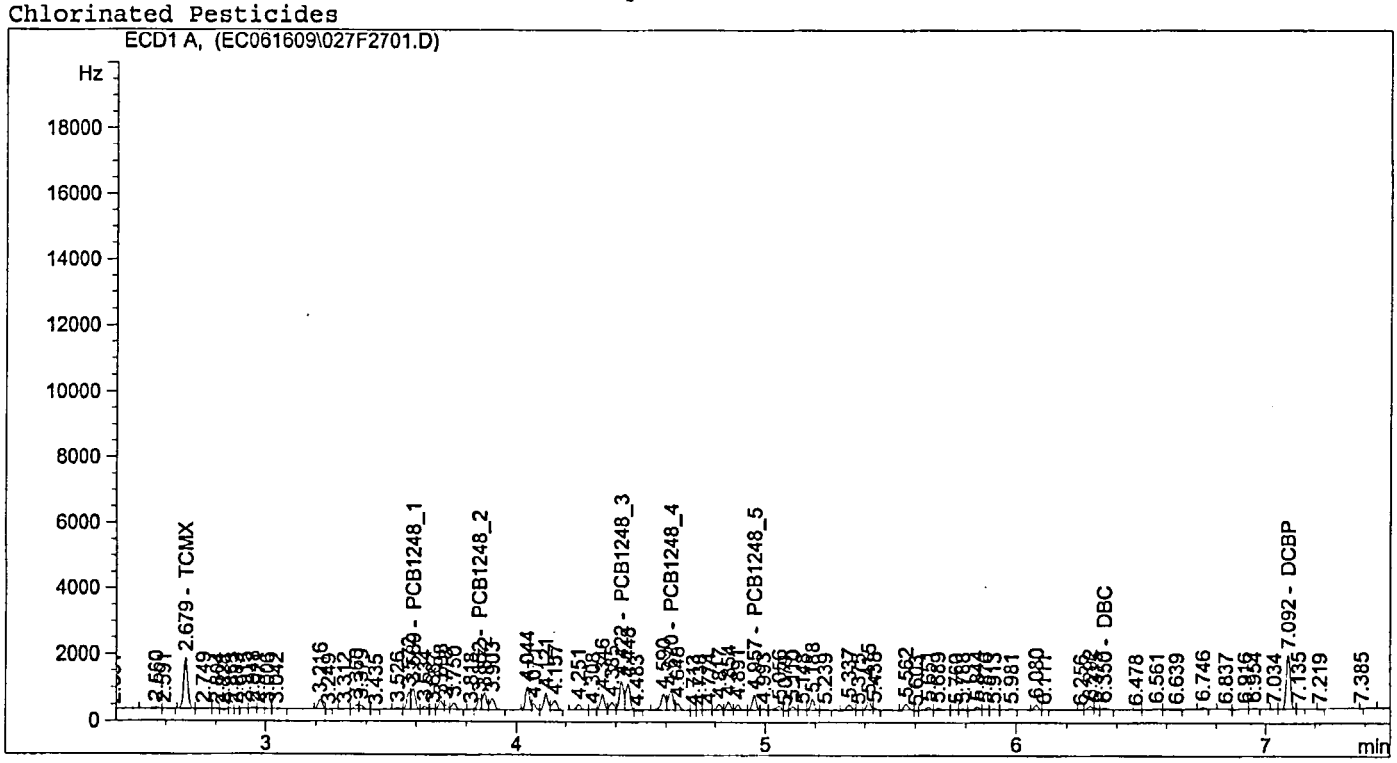
BWS
6.17.09

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 7:49:47 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                     External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	BV	1804.44470	4.66559e-3	8.41880		TCMX
3.589	VV	689.87244	1.14105e-1	78.71781		PCB1248_1
3.852	VV	361.03488	1.82663e-1	65.94761		PCB1248_2
4.422	VV	989.36005	8.07023e-2	79.84367		PCB1248_3
4.620	VV	791.98114	1.01610e-1	80.47308		PCB1248_4
4.957	VV	474.01437	1.75479e-1	83.17933		PCB1248_5
6.350	VV	66.93967	1.23745e-1	8.28346		DBC
7.092	PV	1745.26758	5.19093e-3	9.05955		DCBP

Totals : 413.92331

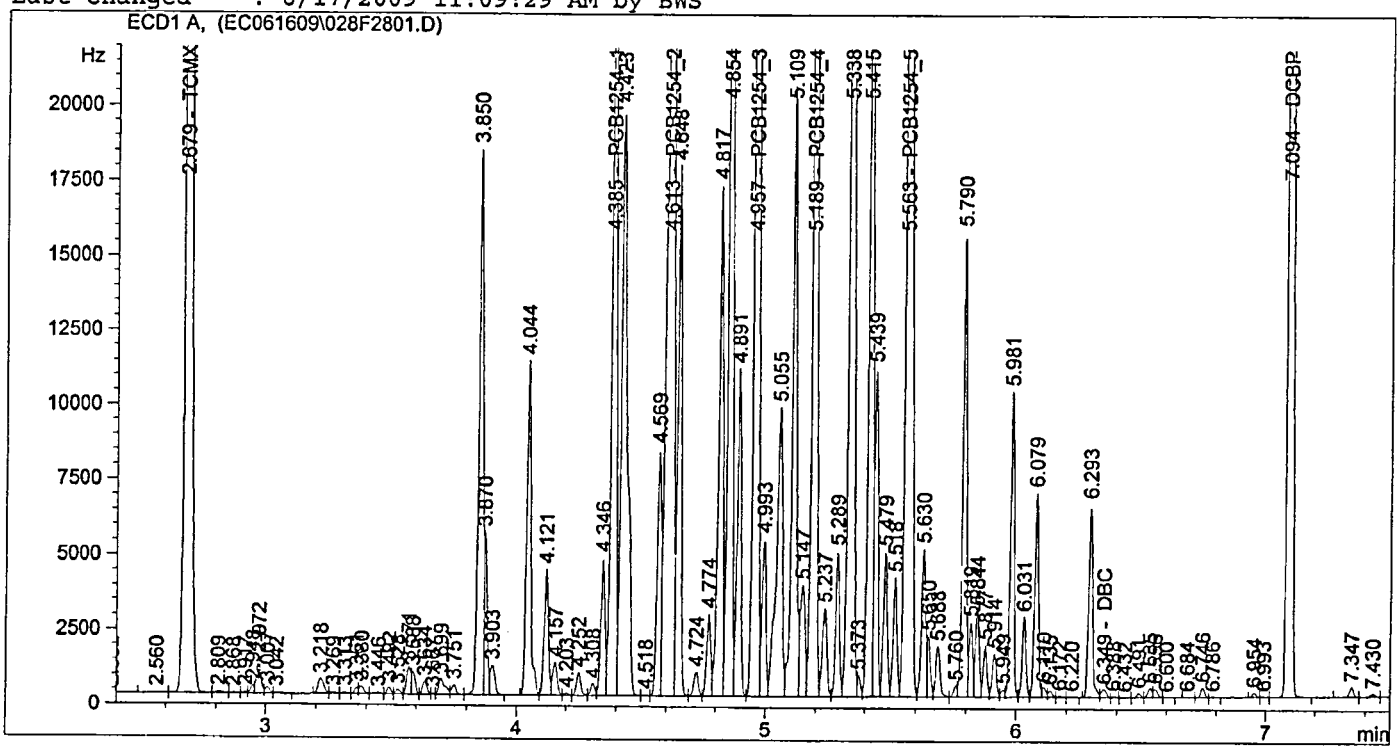
BWS
6-17-09

Results obtained with enhanced integrator!

==

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 8:02:36 PM          Seq. Line :  28
Sample Name     : A1254 x2000 ICAL               Location : Vial 28
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier             :      1.0000
Dilution               :      1.0000

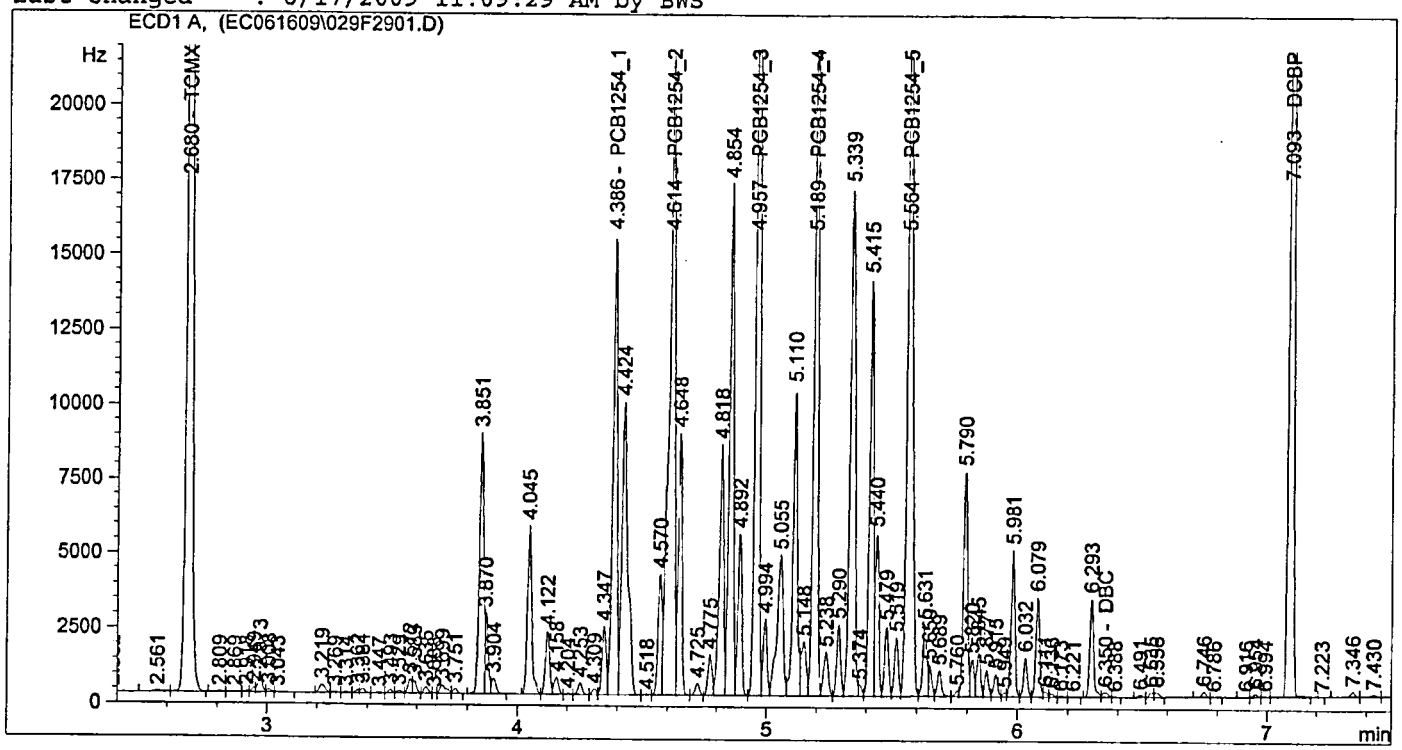
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.22053e5	1.64476e-3	200.74826		TCMX
4.385	VV	3.54882e4	5.61857e-2	1993.92745		PCB1254_1
4.613	VV	6.50329e4	3.06972e-2	1996.32766		PCB1254_2
4.957	VV	6.96113e4	2.87116e-2	1998.65055		PCB1254_3
5.189	VV	5.35099e4	3.74030e-2	2001.43030		PCB1254_4
5.563	VV	7.03196e4	2.84810e-2	2002.77366		PCB1254_5
6.349	VV	399.02768	9.50029e-1	379.08784		DBC
7.094	VB	9.78117e4	2.05768e-3	201.26552		DCBP
Totals :				1.07742e4		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 8:15:36 PM          Seq. Line :  29
Sample Name     : A1254 x1000 ICAL               Location : Vial 29
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VB	5.90748e4	1.67583e-3	98.99900		TCMX
4.386	VV	1.79271e4	5.65267e-2	1013.35817		PCB1254_1
4.614	VV	3.26436e4	3.09336e-2	1009.78517		PCB1254_2
4.957	VV	3.46685e4	2.90225e-2	1006.16530		PCB1254_3
5.189	VV	2.64542e4	3.78543e-2	1001.40418		PCB1254_4
5.564	VV	3.46506e4	2.88480e-2	999.60283		PCB1254_5
6.350	VV	239.65477	0.00000	0.00000		DBC
7.093	VB	4.69330e4	2.09460e-3	98.30605		DCBP

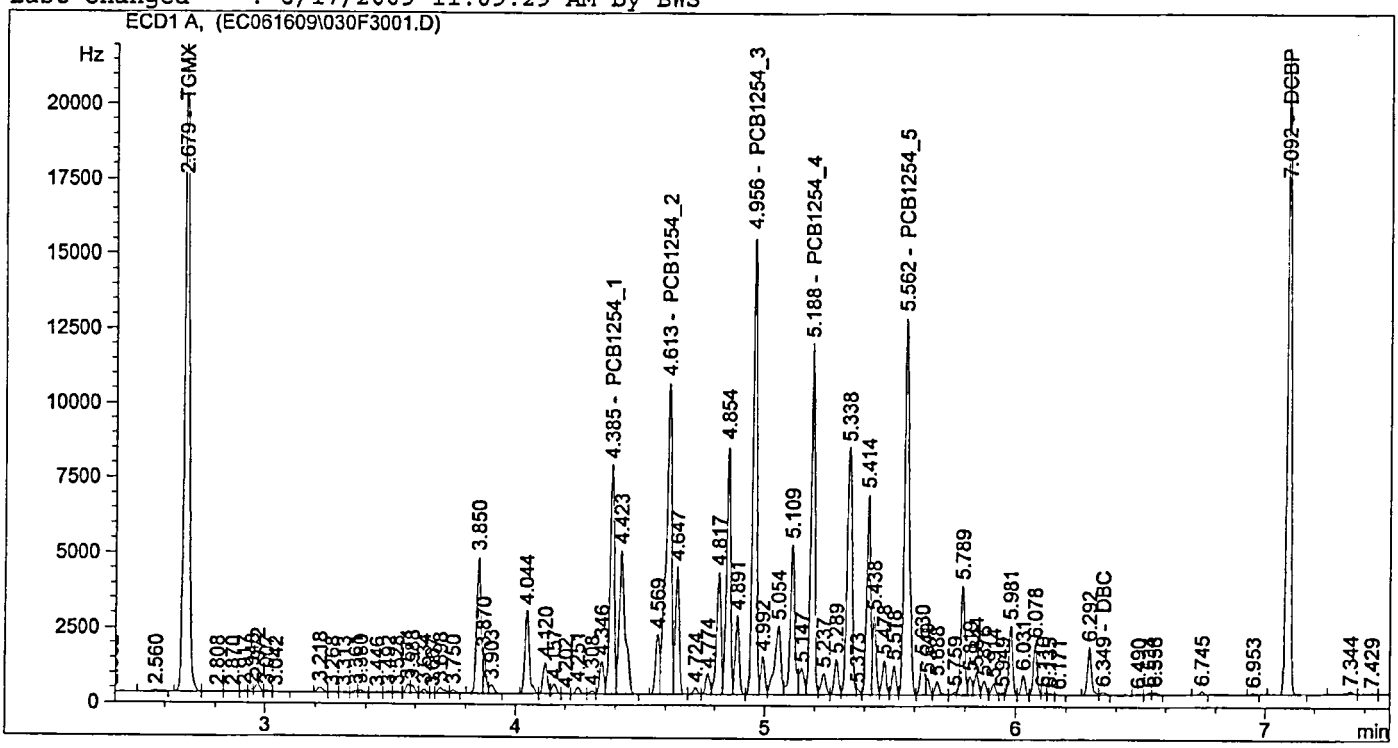
Totals : 5227.62071

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:28:31 PM          Seq. Line :  30
Sample Name     : A1254 x500 ICAL                Location : Vial 30
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

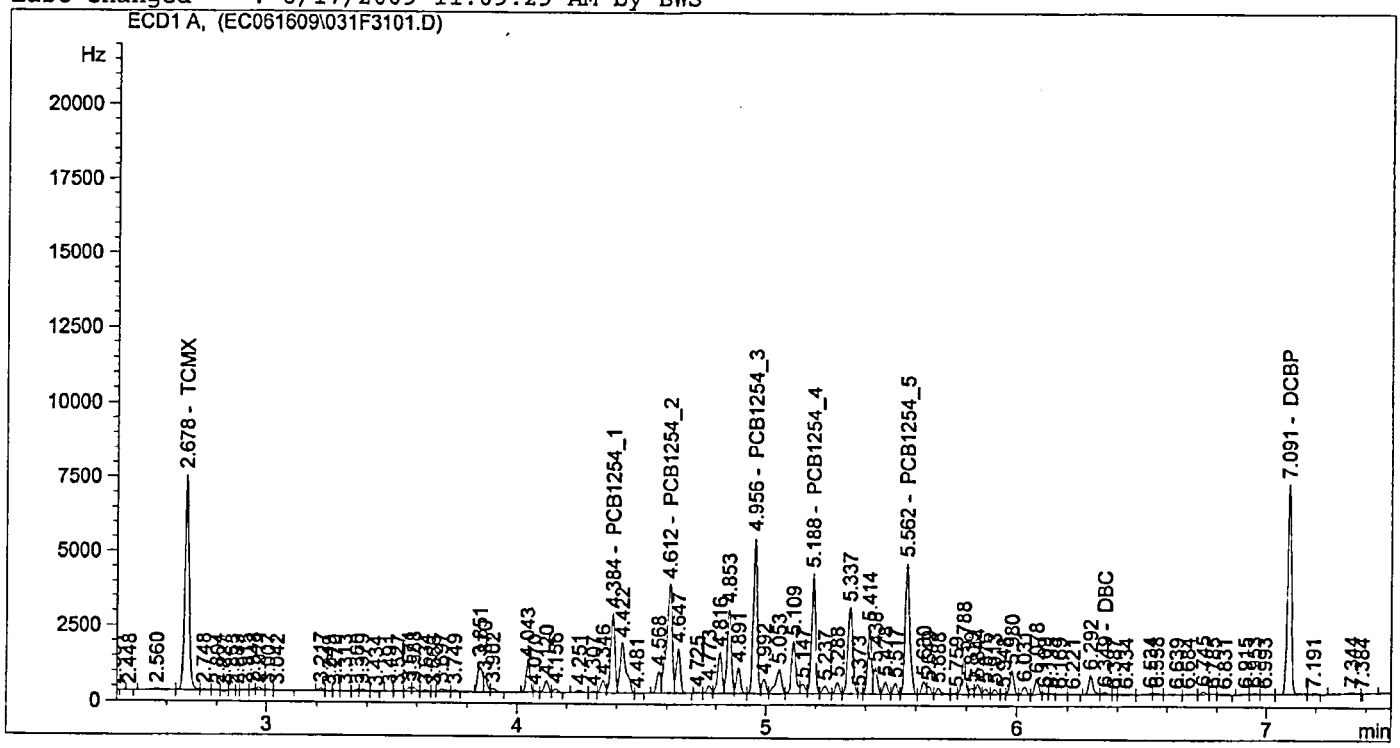
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2.86009e4	1.73998e-3	49.76491		TCMX
4.385	VV	8812.30469	5.72395e-2	504.41229		PCB1254_1
4.613	VV	1.59512e4	3.14303e-2	501.35128		PCB1254_2
4.956	VV	1.68036e4	2.96809e-2	498.74692		PCB1254_3
5.188	VV	1.27868e4	3.88083e-2	496.23276		PCB1254_4
5.562	VV	1.67089e4	2.96250e-2	495.00058		PCB1254_5
6.349	VV	139.15649	0.00000	0.00000		DBC
7.092	VV	2.23516e4	2.17267e-3	48.56259		DCBP
Totals :				2594.07133		

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:41:32 PM          Seq. Line :  31
Sample Name     : A1254 x200 ICAL                Location : Vial 31
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

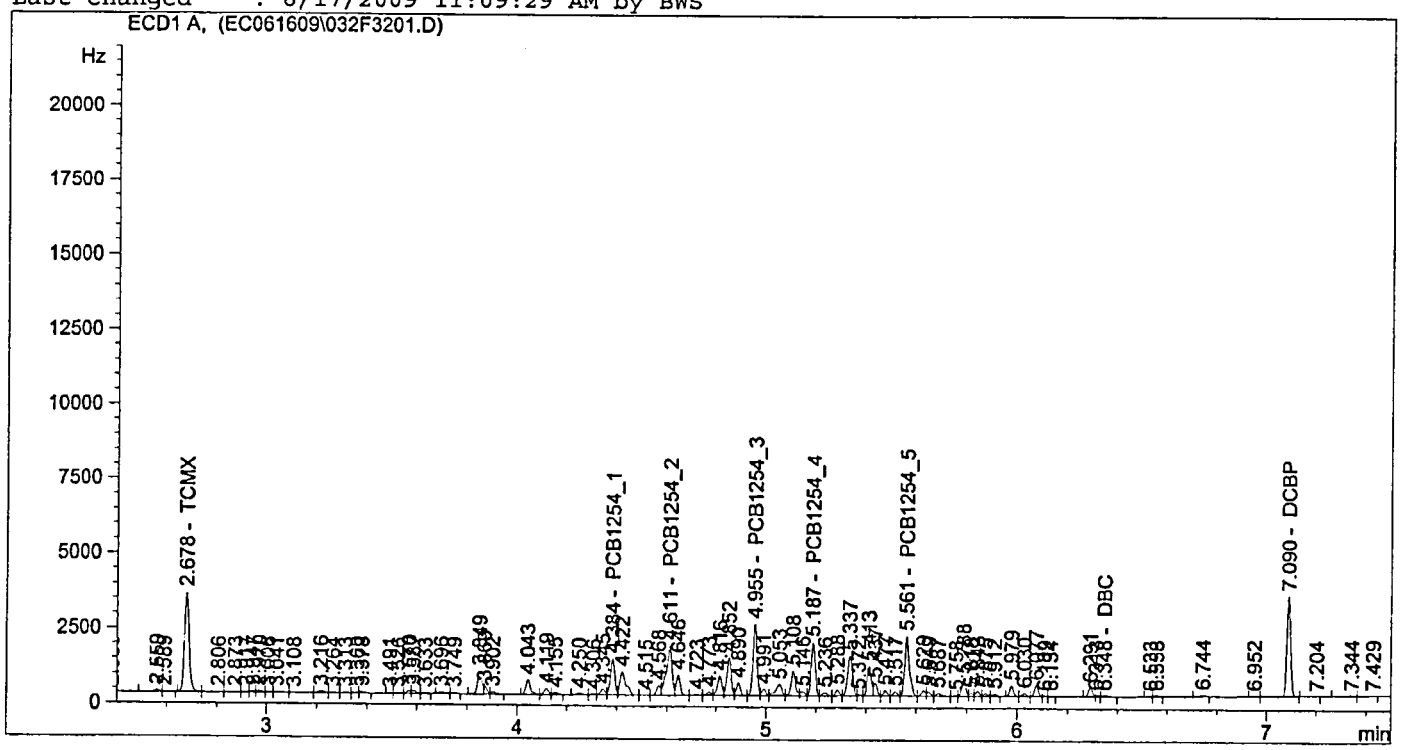
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	8524.24609	2.03289e-3	17.32882		TCMX
4.384	VV	3080.65039	5.98480e-2	184.37073		PCB1254_1
4.612	VV	5549.41016	3.32512e-2	184.52429		PCB1254_2
4.956	VV	5754.39941	3.21343e-2	184.91339		PCB1254_3
5.188	VV	4395.10254	4.23342e-2	186.06293		PCB1254_4
5.562	VV	5617.83398	3.25875e-2	183.07117		PCB1254_5
6.349	VV	141.14275	0.00000	0.00000		DBC
7.091	VV	7539.11914	2.46550e-3	18.58767		DCBP
Totals :				958.85900		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 8:54:25 PM          Seq. Line :  32
Sample Name     : A1254 x100 ICAL                Location : Vial 32
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                    External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	4296.46533	2.44349e-3	10.49836		TCMX
4.384	VV	1435.14307	6.44463e-2	92.48963		PCB1254_1
4.611	VV	2587.54272	3.64473e-2	94.30903		PCB1254_2
4.955	VV	2598.47339	3.66658e-2	95.27513		PCB1254_3
5.187	VV	1981.65430	4.88773e-2	96.85782		PCB1254_4
5.561	VV	2636.43701	3.76345e-2	99.22098		PCB1254_5
6.348	VB	43.90696	0.00000	0.00000		DBC
7.090	VB	3566.89917	2.95758e-3	10.54939		DCBP

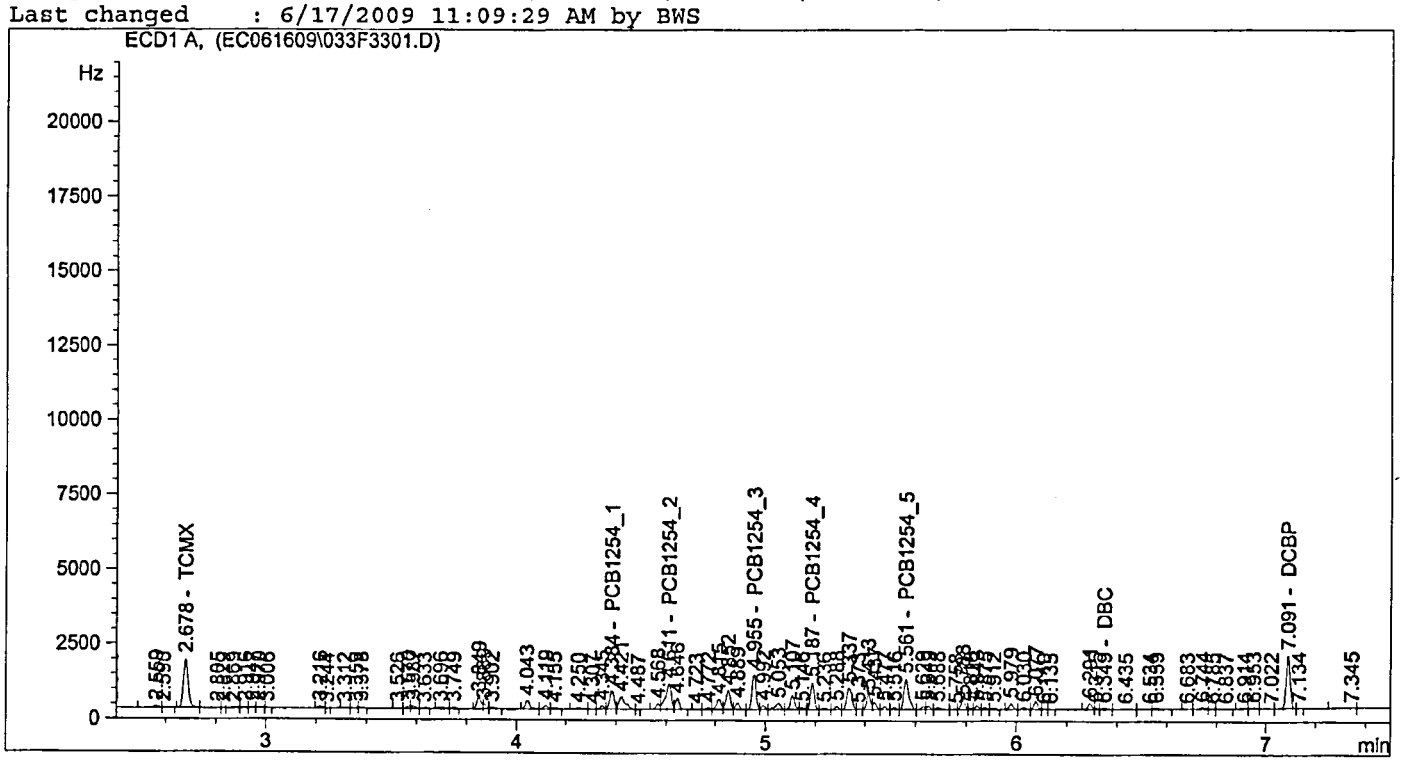
Totals : 499.20033

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 9:07:20 PM          Seq. Line :  33
Sample Name     : A1254 x40 ICAL                 Location : Vial 33
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	2096.34692	3.31234e-3	6.94381		TCMX
4.384	VV	747.95959	7.23555e-2	54.11898		PCB1254_1
4.611	VV	1354.87512	4.18956e-2	56.76331		PCB1254_2
4.955	VV	1309.11450	4.48038e-2	58.65327		PCB1254_3
5.187	VV	1002.31152	6.05198e-2	60.65966		PCB1254_4
5.561	VV	1361.23328	4.65435e-2	63.35655		PCB1254_5
6.349	VV	60.24842	0.00000	0.00000		DBC
7.091	VV	1876.47437	3.79894e-3	7.12861		DCBP

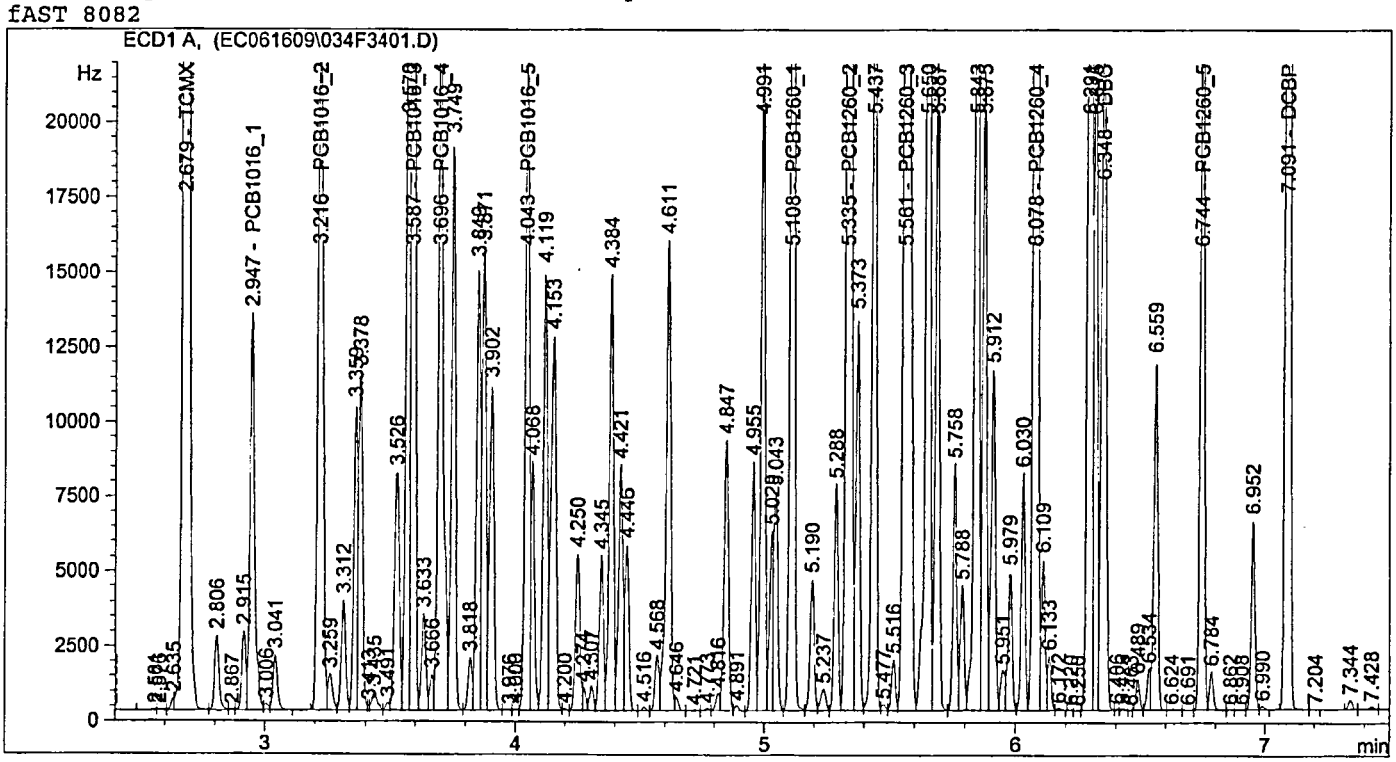
Totals : 307.62420

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 9:20:14 PM          Seq. Line :  34
Sample Name     : PCB x2000 ICAL                 Location : Vial 34
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

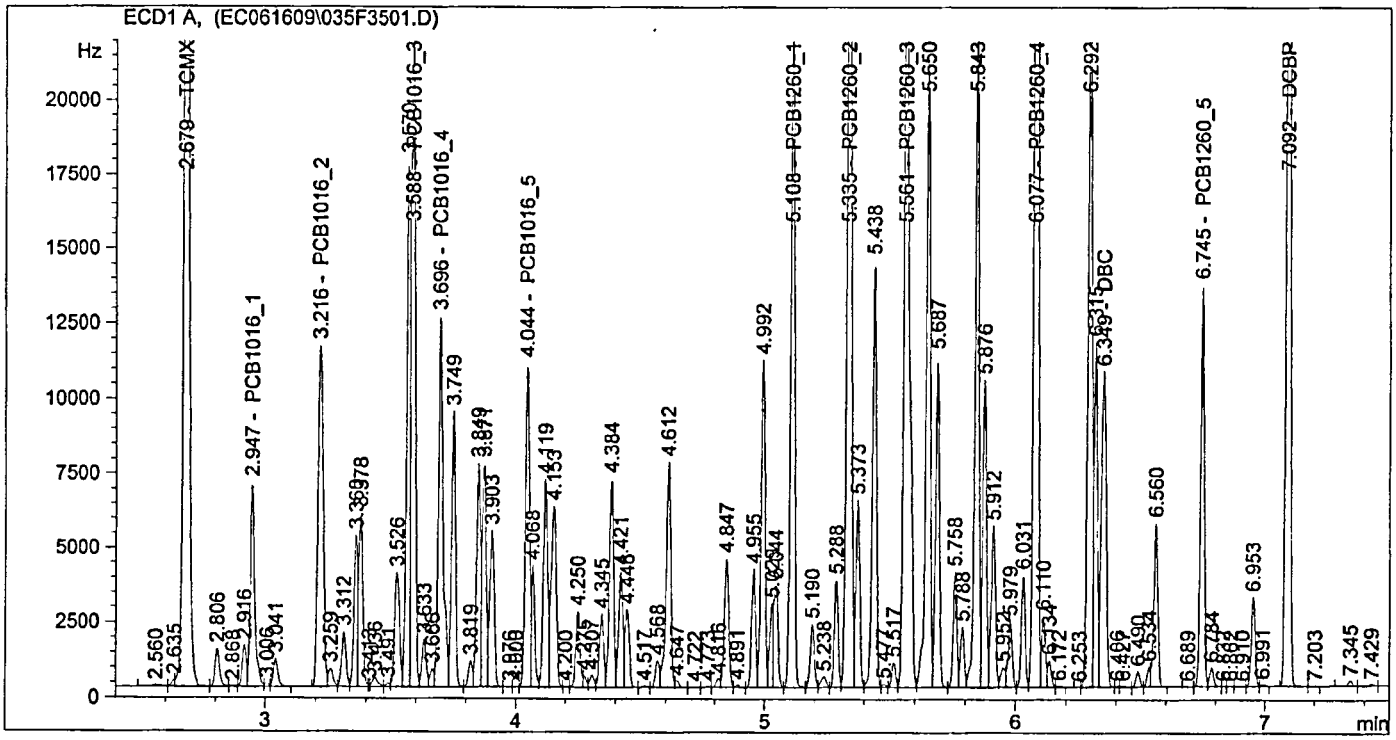
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.21250e5	1.65931e-3	201.19254		TCMX
2.947	VV	1.72408e4	1.15845e-1	1997.26688		PCB1016_1
3.216	PV	3.26845e4	6.08924e-2	1990.24185		PCB1016_2
3.587	VV	5.03406e4	3.98945e-2	2008.31722		PCB1016_3
3.696	VV	3.27770e4	6.11295e-2	2003.63813		PCB1016_4
4.043	VV	2.59332e4	7.73971e-2	2007.15412		PCB1016_5
5.108	VV	5.10187e4	3.94658e-2	2013.49142		PCB1260_1
5.335	VV	8.09492e4	2.48880e-2	2014.66536		PCB1260_2
5.561	VV	8.69555e4	2.31943e-2	2016.87090		PCB1260_3
6.078	VV	1.16463e5	1.73421e-2	2019.71412		PCB1260_4
6.348	VV	3.12323e4	6.46853e-3	202.02742		DBC
6.744	VV	2.96732e4	6.81750e-2	2022.96984		PCB1260_5
7.091	VV	1.00152e5	2.02414e-3	202.72162		DCBP

Totals : 2.07003e4

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:33:02 PM          Seq. Line :  35
Sample Name     : PCB x1000 ICAL                 Location : Vial 35
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	5.79653e4	1.67490e-3	97.08626		TCMX
2.947	VV	8630.02051	1.14947e-1	991.99581		PCB1016_1
3.216	PV	1.66326e4	6.03041e-2	1003.01564		PCB1016_2
3.588	VV	2.42770e4	4.00624e-2	972.59592		PCB1016_3
3.696	VV	1.60786e4	6.11591e-2	983.35443		PCB1016_4
4.044	VV	1.26056e4	7.75844e-2	977.99992		PCB1016_5
5.108	VV	2.43350e4	3.97752e-2	967.92764		PCB1260_1
5.335	VV	3.84732e4	2.51016e-2	965.73908		PCB1260_2
5.561	VV	4.10533e4	2.34433e-2	962.42580		PCB1260_3
6.077	VV	5.45419e4	1.75871e-2	959.23379		PCB1260_4
6.349	VV	1.46099e4	6.54455e-3	95.61555		DBC
6.745	VV	1.37551e4	6.91876e-2	951.68206		PCB1260_5
7.092	VB	4.59375e4	2.05757e-3	94.51957		DCBP

Totals : 1.00232e4

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:46:01 PM          Seq. Line :  36
Sample Name     : PCB x500 ICAL                  Location : Vial 36
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
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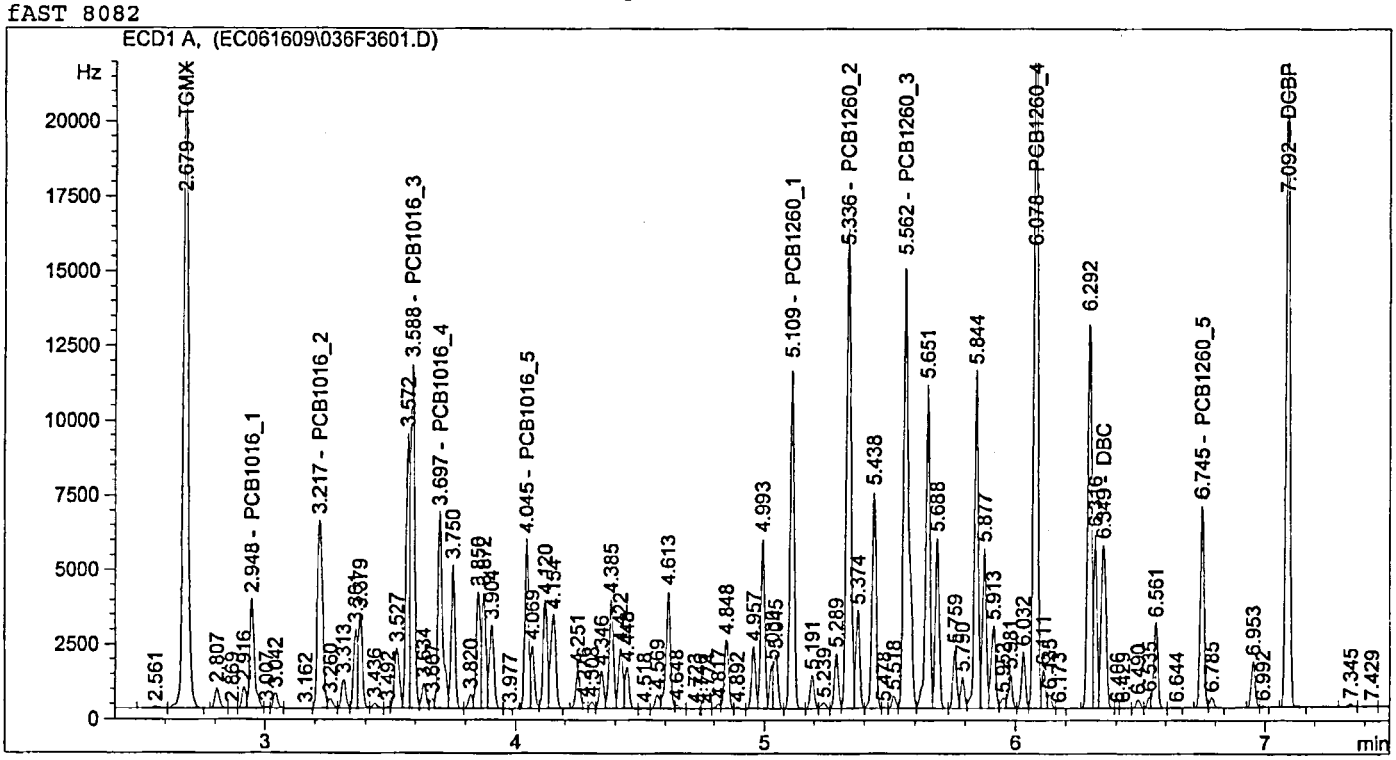


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==================================================================
                      External Standard Report
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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	3.01046e4	1.70255e-3	51.25442		TCMX
2.948	VV	4683.42236	1.13431e-1	531.24715		PCB1016_1
3.217	PV	9094.14063	5.93109e-2	539.38206		PCB1016_2
3.588	VV	1.30108e4	4.03431e-2	524.89529		PCB1016_3
3.697	VV	8536.23145	6.12105e-2	522.50719		PCB1016_4
4.045	VV	6655.70361	7.79103e-2	518.54789		PCB1016_5
5.109	VV	1.26906e4	4.03179e-2	511.66021		PCB1260_1
5.336	VV	2.00608e4	2.54753e-2	511.05530		PCB1260_2
5.562	VV	2.12894e4	2.38813e-2	508.41859		PCB1260_3
6.078	VV	2.78606e4	1.80285e-2	502.28332		PCB1260_4
6.349	VV	7585.99463	6.67681e-3	50.65023		DBC
6.745	VV	7103.52344	7.09552e-2	504.03201		PCB1260_5
7.092	VB	2.35723e4	2.11616e-3	49.88272		DCBP

Totals : 5325.81638

BWS
6.17.09

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Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  37
Sample Name     : PCB x200 ICAL                  Location : Vial 37
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
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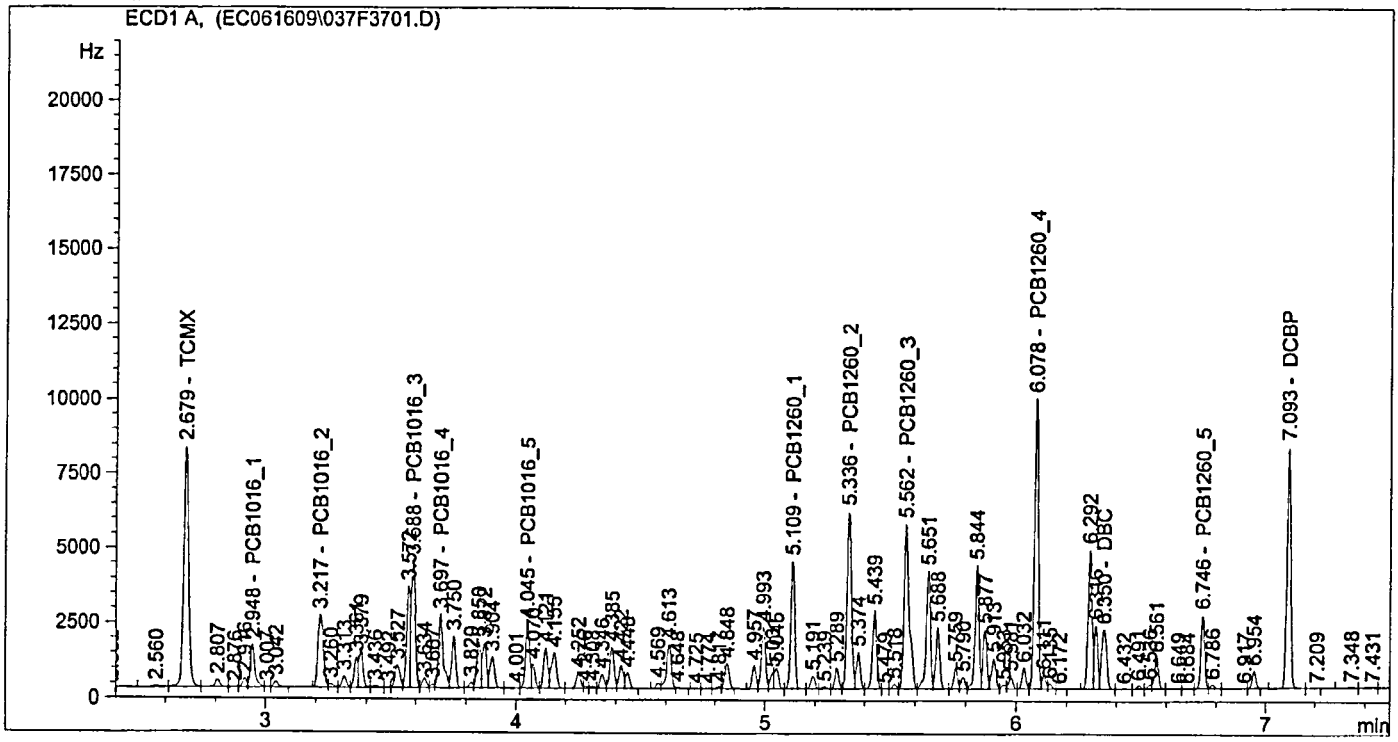


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==================================================================
                      External Standard Report
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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.08099e4	1.80519e-3	19.51395		TCMX
2.948	VV	1826.83508	1.08249e-1	197.75265		PCB1016_1
3.217	BV	3515.66235	5.58341e-2	196.29384		PCB1016_2
3.588	VV	4714.23291	4.14076e-2	195.20522		PCB1016_3
3.697	VV	3178.36353	6.13953e-2	195.13662		PCB1016_4
4.045	VV	2462.75513	7.90857e-2	194.76877		PCB1016_5
5.109	VV	4633.16504	4.22905e-2	195.93902		PCB1260_1
5.336	VV	7301.72949	2.68395e-2	195.97470		PCB1260_2
5.562	VV	7683.14453	2.54925e-2	195.86235		PCB1260_3
6.078	VV	1.00399e4	1.96300e-2	197.08246		PCB1260_4
6.350	VV	2740.56128	7.16318e-3	19.63114		DBC
6.746	VV	2536.74219	7.75356e-2	196.68793		PCB1260_5
7.093	VB	8475.61133	2.33050e-3	19.75239		DCBP

Totals : 2019.60105

BWS
6.17.09

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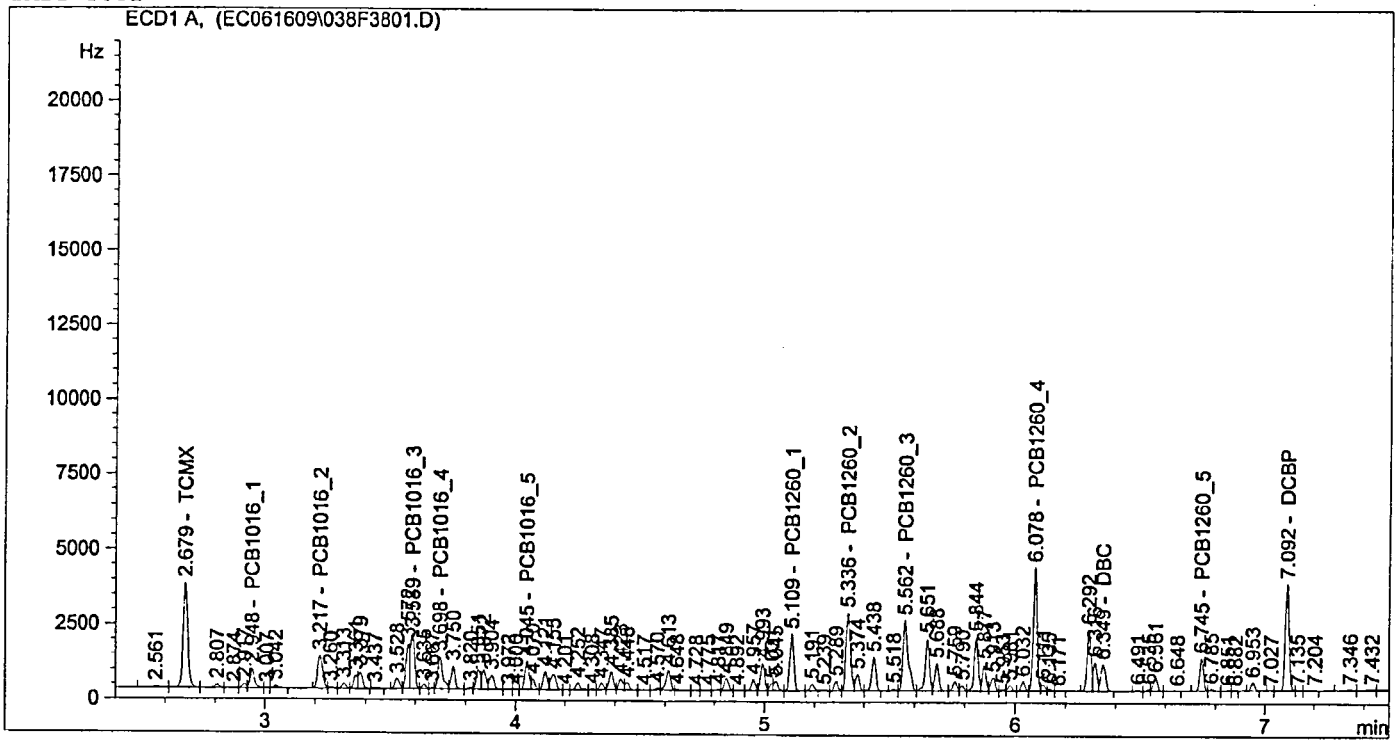
Injection Date : 6/16/2009 10:11:44 PM Seq. Line : 38
Sample Name : PCB x100 ICAL Location : Vial 38
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed : 6/17/2009 11:15:09 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	4626.69043	2.01923e-3	9.34235		TCMX
2.948	VV	850.59192	9.84966e-2	83.78039		PCB1016_1
3.217	BV	1599.89221	4.90470e-2	78.46993		PCB1016_2
3.589	VV	2033.84790	4.36077e-2	88.69151		PCB1016_3
3.698	VV	1423.24719	6.17584e-2	87.89743		PCB1016_4
4.045	VV	1106.63562	8.13722e-2	90.04934		PCB1016_5
5.109	VV	2028.33423	4.62805e-2	93.87227		PCB1260_1
5.336	VV	3216.15210	2.95643e-2	95.08322		PCB1260_2
5.562	VV	3360.40771	2.87353e-2	96.56241		PCB1260_3
6.078	VV	4285.95654	2.29913e-2	98.53964		PCB1260_4
6.349	VB	1223.74329	8.10701e-3	9.92090		DBC
6.745	VV	1109.86353	9.06950e-2	100.65909		PCB1260_5
7.092	VV	3759.68237	2.75030e-3	10.34024		DCBP

Totals : 943.20871

BWS
6.17.09

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Injection Date  : 6/16/2009 10:24:44 PM          Seq. Line :  39
Sample Name     : PCB x40 ICAL                    Location : Vial 39
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
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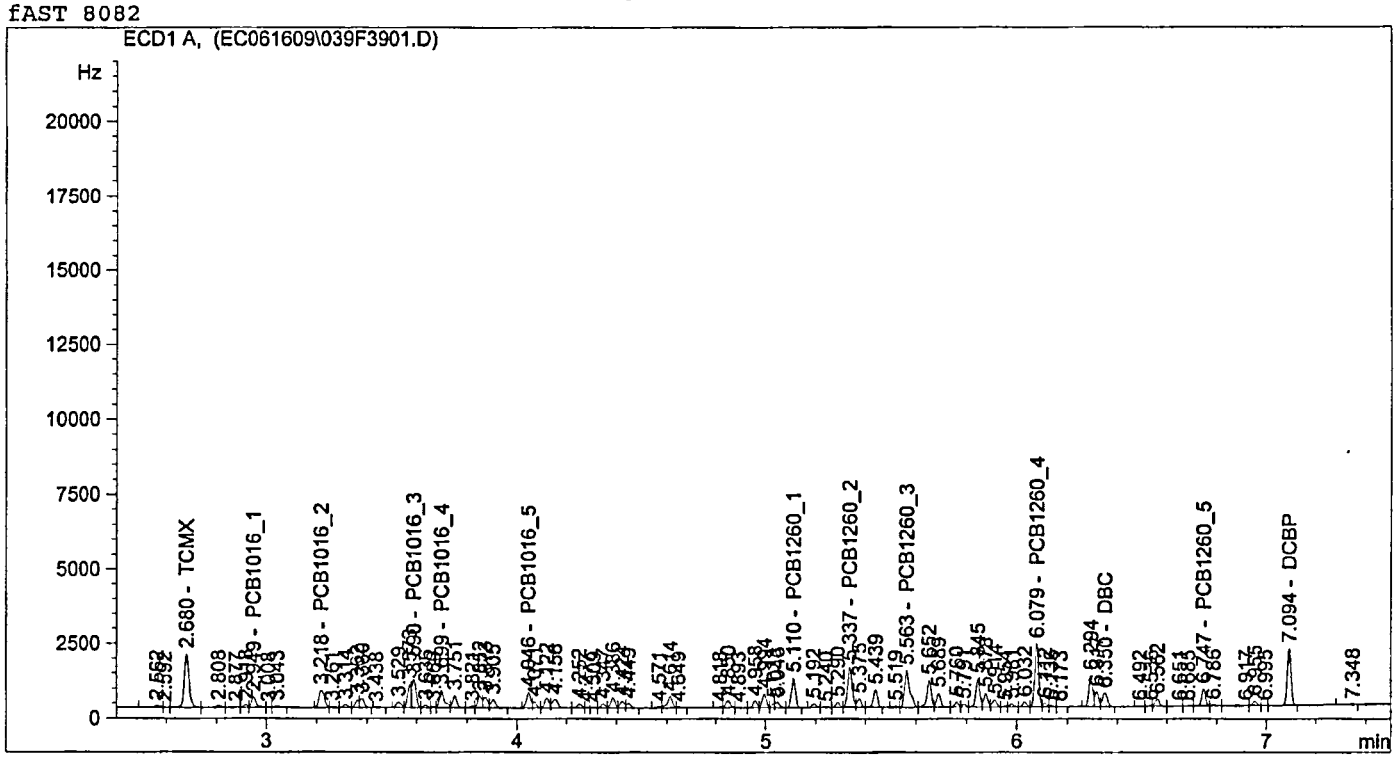


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==================================================================
                      External Standard Report
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Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	2358.12231	2.37921e-3	5.61048		TCMX
2.949	VV	458.08719	8.28600e-2	37.95712		PCB1016_1
3.218	BV	854.01141	3.81689e-2	32.59668		PCB1016_2
3.590	VV	1067.60730	4.71099e-2	50.29484		PCB1016_3
3.699	VV	761.53467	6.23297e-2	47.46620		PCB1016_4
4.046	PV	607.16089	8.47880e-2	51.47995		PCB1016_5
5.110	VV	1090.11560	5.23884e-2	57.10944		PCB1260_1
5.337	VV	1693.51343	3.39427e-2	57.48234		PCB1260_2
5.563	VV	1762.67249	3.39598e-2	59.85996		PCB1260_3
6.079	VV	2219.36157	2.84526e-2	63.14669		PCB1260_4
6.350	VV	635.44293	9.68579e-3	6.15477		DBC
6.747	VV	564.69189	1.13281e-1	63.96907		PCB1260_5
7.094	VV	1977.56738	3.43020e-3	6.78346		DCBP

Totals : 539.91099

BWS
6/17/09

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	68.25872803	3.31863
		2	54.14932251	3.4258101
		3	171.6998596	3.47351
		4	0	0
		5	0	0
	100	1	134.818222	3.3185799
		2	93.75131226	3.4258699
		3	334.0836182	3.4739499
		4	0	0
		5	0	0
	200	1	275.8415222	3.31863
		2	187.9540558	3.42608
		3	654.3911743	3.4741499
		4	0	0
		5	0	0
	500	1	666.2232666	3.31865
		2	442.7644043	3.42591
		3	1580.27002	3.4739399
		4	0	0
		5	0	0
	1000	1	1352.282471	3.3185201
		2	878.3676147	3.42574
		3	3245.028809	3.4734499
		4	0	0
		5	0	0
	2000	1	2881.797607	3.31828
		2	1829.250732	3.42557
		3	6903.972168	3.4735999
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	3.2885	3.3485
2	3.3958	3.4558
3	3.4438	3.5038
4		
5		

Peak	Correlation Coefficient (r)
1	0.999397081
2	0.999671596
3	0.999354877
4	
5	

Peak	Slope (y)
1	0.69661673
2	1.103230345
3	0.290868062
4	
5	

Peak	Intercept (b)
1	15.45734798
2	-1.020489447
3	15.14532091
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232 Date: 16-Jun-09
Inst: ECD2 Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	495.0893555	2.95327
		2	395.8239136	3.2230301
		3	525.0204468	3.5950401
		4	292.696106	4.0517302
		5	251.546936	4.4556398
	100	1	822.0823364	2.9533701
		2	627.5452271	3.22329
		3	845.7796021	3.5953801
		4	440.4623718	4.0520701
		5	406.5694275	4.45614
	200	1	1918.338501	2.9526601
		2	1475.925781	3.2225499
		3	1920.7677	3.59483
		4	955.569458	4.05125
		5	916.8273926	4.45506
	500	1	5459.367188	2.9532599
		2	4011.202393	3.2229099
		3	5890.492676	3.5949399
		4	2581.757813	4.0513
		5	2731.882568	4.4552202
	1000	1	10642.22656	2.95364
		2	8107.244629	3.22352
		3	11423.75781	3.5956399
		4	5312.279297	4.05231
		5	5470.343262	4.4562201
	2000	1	21929.52148	2.95332
		2	16745.51172	3.2232001
		3	24888.66992	3.59514
		4	11396.51563	4.0517502
		5	11935.27344	4.4556999

Peak	RT Window From	RT Window To
1	2.9233	2.9833
2	3.1931	3.2531
3	3.5652	3.6252
4	4.0217	4.0817
5	4.4257	4.4857

Peak	Correlation Coefficient (r)
1	0.99980252
2	0.999796603
3	0.999152508
4	0.999245784
5	0.999117781

Peak	Slope (y)
1	0.090809351
2	0.118921741
3	0.079932803
4	0.175114454
5	0.166558646

Peak	Intercept (b)
1	15.43408851
2	18.37121099
3	33.91633781
4	27.70412041
5	37.267483

PCB Initial Calibration Summary

Sample ID: A1242
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	403.0035706	2.94821
		2	725.3896484	3.2174399
		3	897.3375854	3.5889201
		4	509.7808533	4.0448699
		5	513.4442139	4.4223499
	100	1	793.5803223	2.9484501
		2	1467.12085	3.2176499
		3	1857.668701	3.5894201
		4	1025.639404	4.0453701
		5	1045.561646	4.4226699
	200	1	1538.385742	2.9498799
		2	2850.614014	3.21928
		3	3870.946045	3.5906601
		4	2049.926758	4.0471101
		5	2122.512451	4.4245901
	500	1	3628.715576	2.9507599
		2	6743.108398	3.21929
		3	10631.87207	3.5915501
		4	4836.100586	4.0467901
		5	5635.855957	4.4250598
	1000	1	8266.917969	2.9516699
		2	15512.74023	3.2212901
		3	22709.72656	3.59319
		4	11790.20996	4.0496001
		5	12501.0459	4.4270201
	2000	1	15892.9834	2.9526701
		2	29535.74609	3.2226501
		3	44998.21484	3.5947499
		4	23374.73242	4.0508699
		5	25335.19531	4.4284501

Peak	RT Window From	RT Window To
1	2.9203	2.9803
2	3.1896	3.2496
3	3.5614	3.6214
4	4.0174	4.0774
5	4.3950	4.4550

Peak	Correlation Coefficient (r)
1	0.999382277
2	0.99924372
3	0.999835192
4	0.998984327
5	0.99965219

Peak	Slope (y)
1	0.124937308
2	0.067088902
3	0.043983124
4	0.084482632
5	0.07816203

Peak	Intercept (b)
1	4.410879429
2	4.503517866
3	17.15669073
4	26.28450961
5	25.72961152

PCB Initial Calibration Summary

Sample ID: A1248 Date: 16-Jun-09
Inst: ECD2 Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	689.8724365	3.5885501
		2	361.0348816	3.8517399
		3	989.3600464	4.4222999
		4	791.9811401	4.6195402
		5	474.0143738	4.9567099
	100	1	1206.299561	3.5888801
		2	1041.661865	3.85131
		3	1840.272339	4.42238
		4	1445.289917	4.6200199
		5	865.4060059	4.9569502
	200	1	2780.866699	3.5878699
		2	2357.027588	3.85039
		3	4327.105469	4.4215598
		4	3333.630859	4.6187901
		5	1994.117676	4.9559798
	500	1	7947.630371	3.58832
		2	6716.694336	3.8503301
		3	12407.98633	4.42167
		4	9514.631836	4.61975
		5	5683.827637	4.9563398
	1000	1	17201.23828	3.5877299
		2	15082.45215	3.8497901
		3	26991.54883	4.4212699
		4	20718.24609	4.6191101
		5	12462.66113	4.9556799
	2000	1	36665.78516	3.5884299
		2	31148.52148	3.8506501
		3	58161.60547	4.4218602
		4	44654.57031	4.6196499
		5	27130.5918	4.9560599

Peak	RT Window From	RT Window To
1	3.5583	3.6183
2	3.8207	3.8807
3	4.3918	4.4518
4	4.5895	4.6495
5	4.9263	4.9863

Peak	Correlation Coefficient (r)
1	0.999329938
2	0.999647016
3	0.999192989
4	0.999159614
5	0.998955352

Peak	Slope (y)
1	0.053938235
2	0.063106134
3	0.033968994
4	0.044269949
5	0.072846844

Peak	Intercept (b)
1	42.25924654
2	43.56928499
3	47.13983997
4	46.35215364
5	49.81163788

PCB Initial Calibration Summary

Sample ID: A1254
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	747.9595947	4.3836298
		2	1354.875122	4.61128
		3	1309.114502	4.9548202
		4	1002.311523	5.1868401
		5	1361.233276	5.5612702
	100	1	1435.143066	4.38377
		2	2587.542725	4.6112299
		3	2598.473389	4.9552302
		4	1981.654297	5.18681
		5	2636.437012	5.56142
	200	1	3080.650391	4.38446
		2	5549.410156	4.61164
		3	5754.399414	4.9558001
		4	4395.102539	5.1876402
		5	5617.833984	5.5620098
	500	1	8812.304688	4.3850398
		2	15951.19336	4.6125302
		3	16803.64844	4.95645
		4	12786.76074	5.1880298
		5	16708.86914	5.56218
	1000	1	17927.06445	4.3857198
		2	32643.64453	4.6135402
		3	34668.50781	4.9574499
		4	26454.19531	5.1893702
		5	34650.625	5.5636301
	2000	1	35488.17188	4.38515
		2	65032.93359	4.6129198
		3	69611.28906	4.95679
		4	53509.94531	5.18852
		5	70319.60156	5.56285

Peak	RT Window From	RT Window To
1	4.3546	4.4146
2	4.5822	4.6422
3	4.9261	4.9861
4	5.1579	5.2179
5	5.5322	5.5922

Peak	Correlation Coefficient (r)
1	0.999871063
2	0.999883624
3	0.999887813
4	0.999886128
5	0.999848139

Peak	Slope (y)
1	0.055854704
2	0.030471499
3	0.028411196
4	0.036973921
5	0.028133881

Peak	Intercept (b)
1	11.71563016
2	14.72687888
3	20.89432368
4	22.96707296
5	24.36222119

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	458.0871887	2.9489901
		2	854.0114136	3.2182
		3	1067.6073	3.58971
		4	761.534668	3.69853
		5	607.1608887	4.0458798
	100	1	850.5919189	2.9480901
		2	1599.892212	3.2174301
		3	2033.8479	3.58881
		4	1423.247192	3.6976199
		5	1106.63562	4.0448298
	200	1	1826.835083	2.94767
		2	3515.662354	3.2168901
		3	4714.23291	3.5883801
		4	3178.363525	3.69735
		5	2462.755127	4.0446401
	500	1	4683.422363	2.9478099
		2	9094.140625	3.2171299
		3	13010.7832	3.5883801
		4	8536.231445	3.6970899
		5	6655.703613	4.0445199
	1000	1	8630.020508	2.9468901
		2	16632.63867	3.2163401
		3	24277.0332	3.58762
		4	16078.62793	3.6963401
		5	12605.62012	4.04353
	2000	1	17240.79102	2.9468701
		2	32684.54492	3.21632
		3	50340.64453	3.5873201
		4	32776.96875	3.6963201
		5	25933.19531	4.04321

Peak	RT Window From	RT Window To
1	2.9177	2.9777
2	3.1871	3.2471
3	3.5584	3.6184
4	3.6672	3.7272
5	4.0144	4.0744

Peak	Correlation Coefficient (r)
1	0.999767974
2	0.999615666
3	0.999701823
4	0.99982024
5	0.999800099

Peak	Slope (y)
1	0.116691605
2	0.061454851
3	0.039714517
4	0.061078938
5	0.077189043

Peak	Intercept (b)
1	-15.21846314
2	-19.41966486
3	8.246950002
4	1.165477844
5	4.84904761

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	1090.115601	5.1100502
		2	1693.513428	5.3373599
		3	1762.672485	5.5627599
		4	2219.361572	6.07901
		5	564.6918945	6.7466302
	100	1	2028.334229	5.1089802
		2	3216.1521	5.33599
		3	3360.407715	5.5618
		4	4285.956543	6.0783401
		5	1109.863525	6.74509
	200	1	4633.165039	5.1089501
		2	7301.729492	5.33606
		3	7683.144531	5.5619102
		4	10039.87402	6.0783701
		5	2536.742188	6.7459998
	500	1	12690.63965	5.1089702
		2	20060.8457	5.3362699
		3	21289.37891	5.56216
		4	27860.55859	6.0781002
		5	7103.523438	6.74508
	1000	1	24334.97461	5.1079702
		2	38473.16016	5.3350201
		3	41053.27344	5.56106
		4	54541.90625	6.0773802
		5	13755.09082	6.7446499
	2000	1	51018.65625	5.1076198
		2	80949.1875	5.3348999
		3	86955.5	5.56072
		4	116463.375	6.0775199
		5	29673.20117	6.7441101

Peak	RT Window From	RT Window To
1	5.0788	5.1388
2	5.3059	5.3659
3	5.5317	5.5917
4	6.0481	6.1081
5	6.7153	6.7753

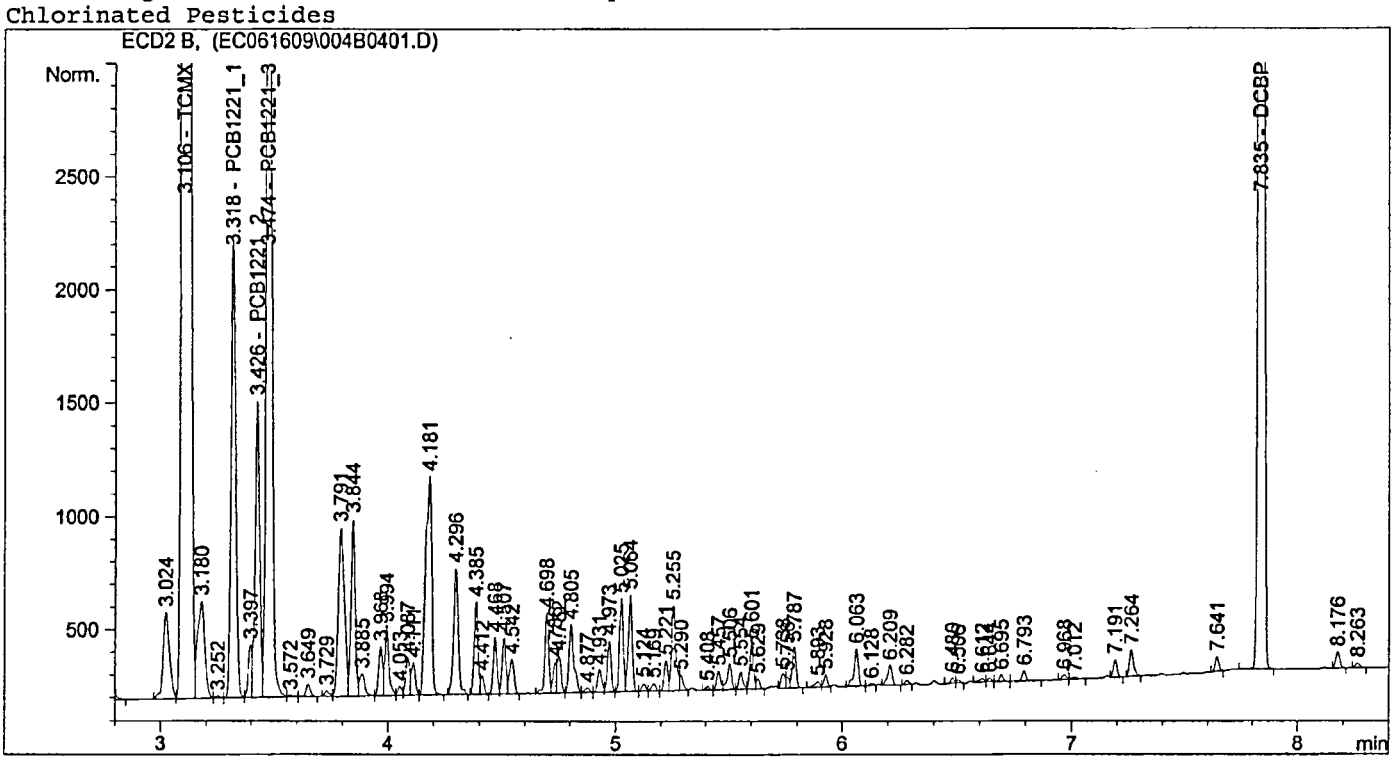
Peak	Correlation Coefficient (r)
1	0.99970242
2	0.999673663
3	0.999615082
4	0.999542832
5	0.999391482

Peak	Slope (y)
1	0.039160323
2	0.024678433
3	0.022953865
4	0.017110559
5	0.067218053

Peak	Intercept (b)
1	14.76702614
2	16.06921781
3	19.84633707
4	25.69948897
5	26.71242249

Data File C:\HPCHEM\1\DATA\EC061609\004B0401.D

```
==================================================================
Injection Date  : 6/16/2009 3:19:26 PM          Seq. Line :   4
Sample Name     : A1221 x2000 ICAL               Location : Vial 4
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 9:25:07 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.01823e4	6.73864e-3	203.38781		TCMX
3.318	VV	2881.79761	7.02560e-1	2024.63492		PCB1221_1
3.426	VV	1829.25073	1.10317	2017.96934		PCB1221_2
3.474	VV	6903.97217	2.93321e-1	2025.07684		PCB1221_3
6.890		-	-	-		DBC
7.835	BP	3.04287e4	6.70653e-3	204.07139		DCBP

BWS
6.17.09

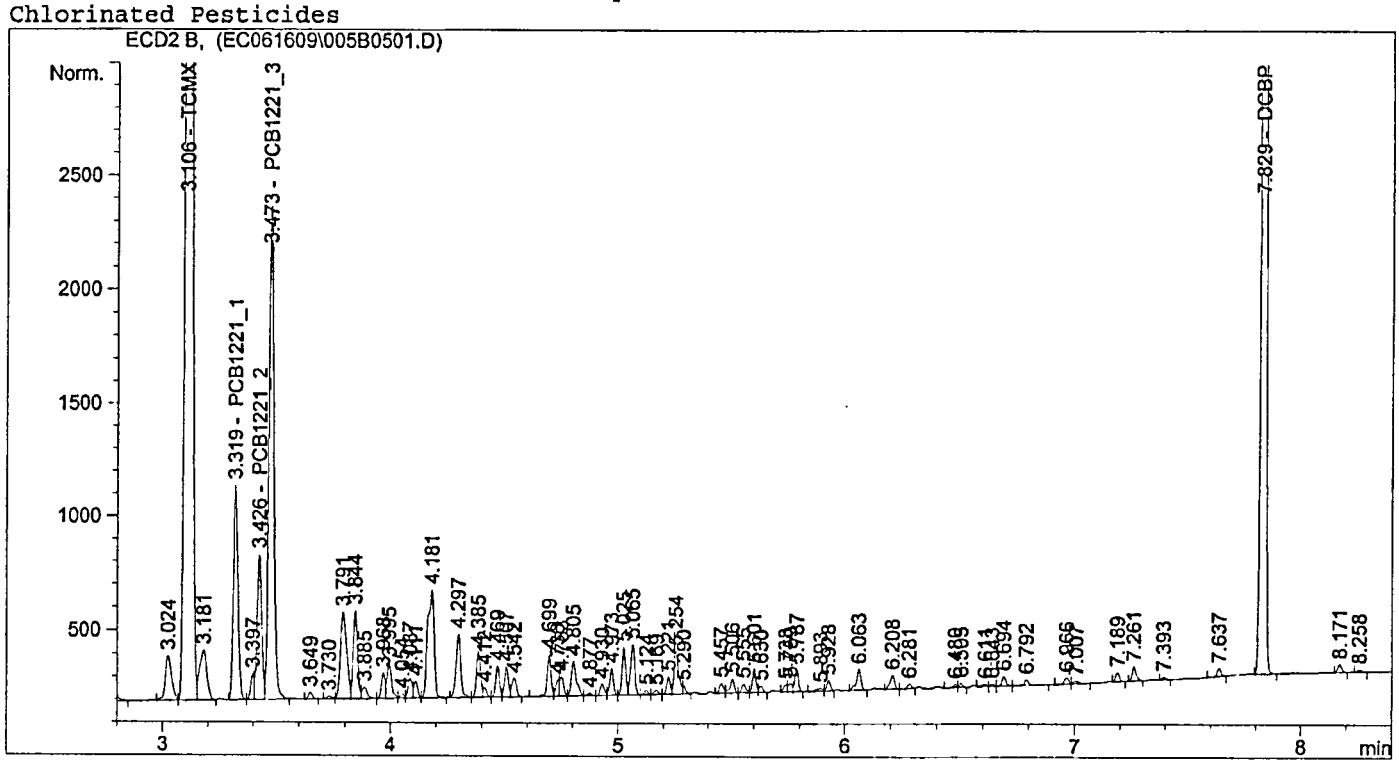
Totals : 6475.14029

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

ECD2 6/17/2009 9:25:30 AM BWS

```
==================================================================
Injection Date  : 6/16/2009 3:32:12 PM          Seq. Line :   5
Sample Name     : A1221 x1000 ICAL               Location : Vial 5
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.37204e4	6.90532e-3	94.74401		TCMX
3.319	BV	1352.28247	7.08331e-1	957.86312		PCB1221_1
3.426	VV	878.36761	1.10231	968.23687		PCB1221_2
3.473	VB	3245.02881	2.95662e-1	959.43257		PCB1221_3
6.890		-	-	-		DBC
7.829	BB	1.36037e4	6.86986e-3	93.45533		DCBP

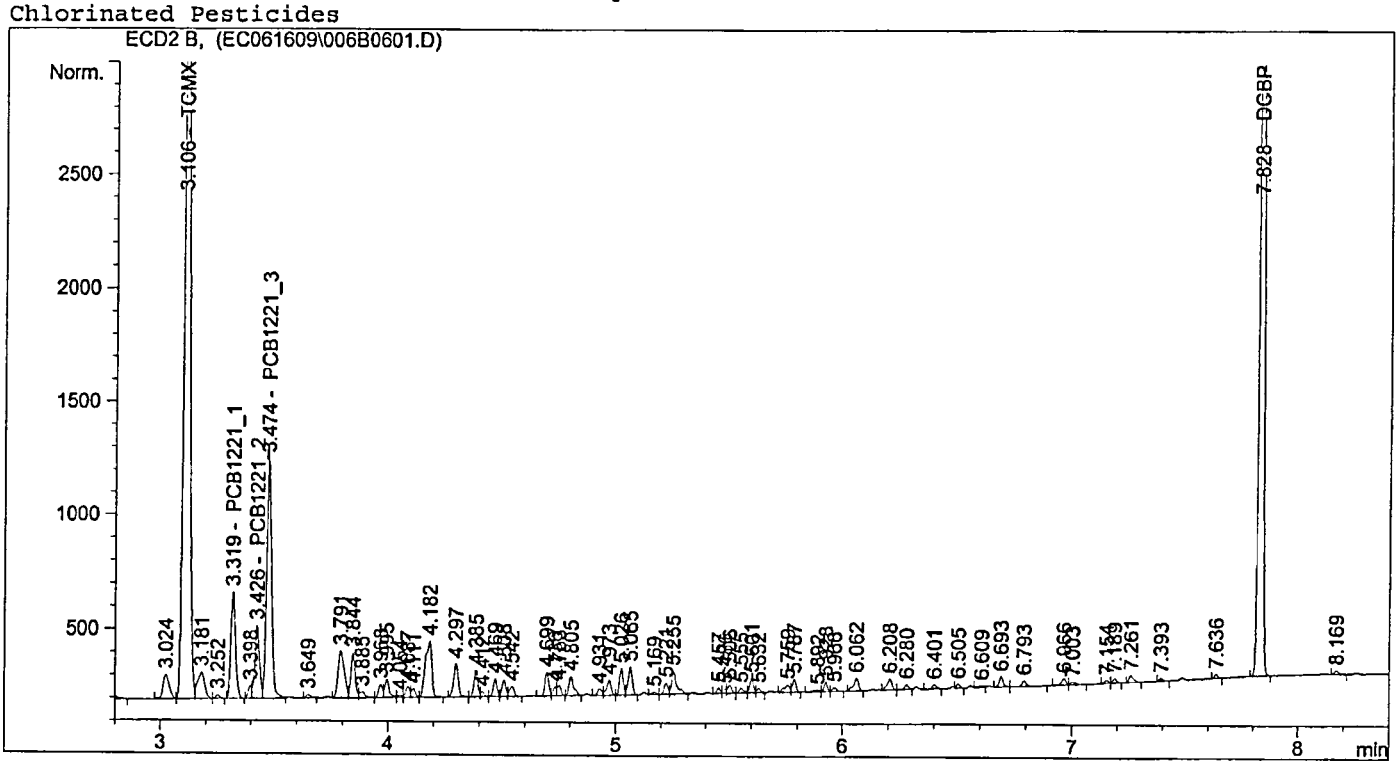
Totals : 3073.73190

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

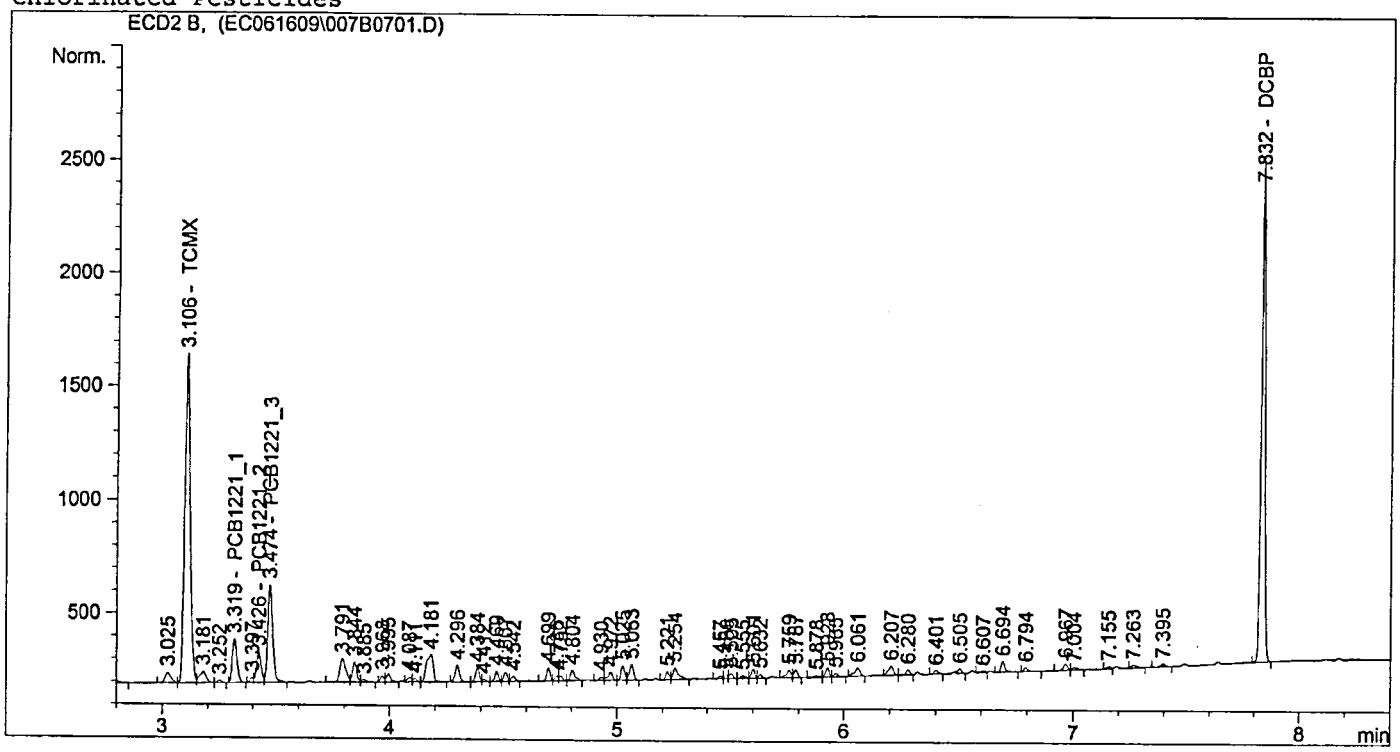
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6381.74414	7.25673e-3	46.31061		TCMX
3.319	BB	666.22327	7.19528e-1	479.36598		PCB1221_1
3.426	VV	442.76440	1.10070	487.35039		PCB1221_2
3.474	VV	1580.27002	3.00317e-1	474.58204		PCB1221_3
6.890		-	-	-		DBC
7.828	BB	6373.09912	7.20499e-3	45.91812		DCBP
Totals :				1533.52714		

BLS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   7
Sample Name     : A1221 x200 ICAL                Location : Vial 7
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

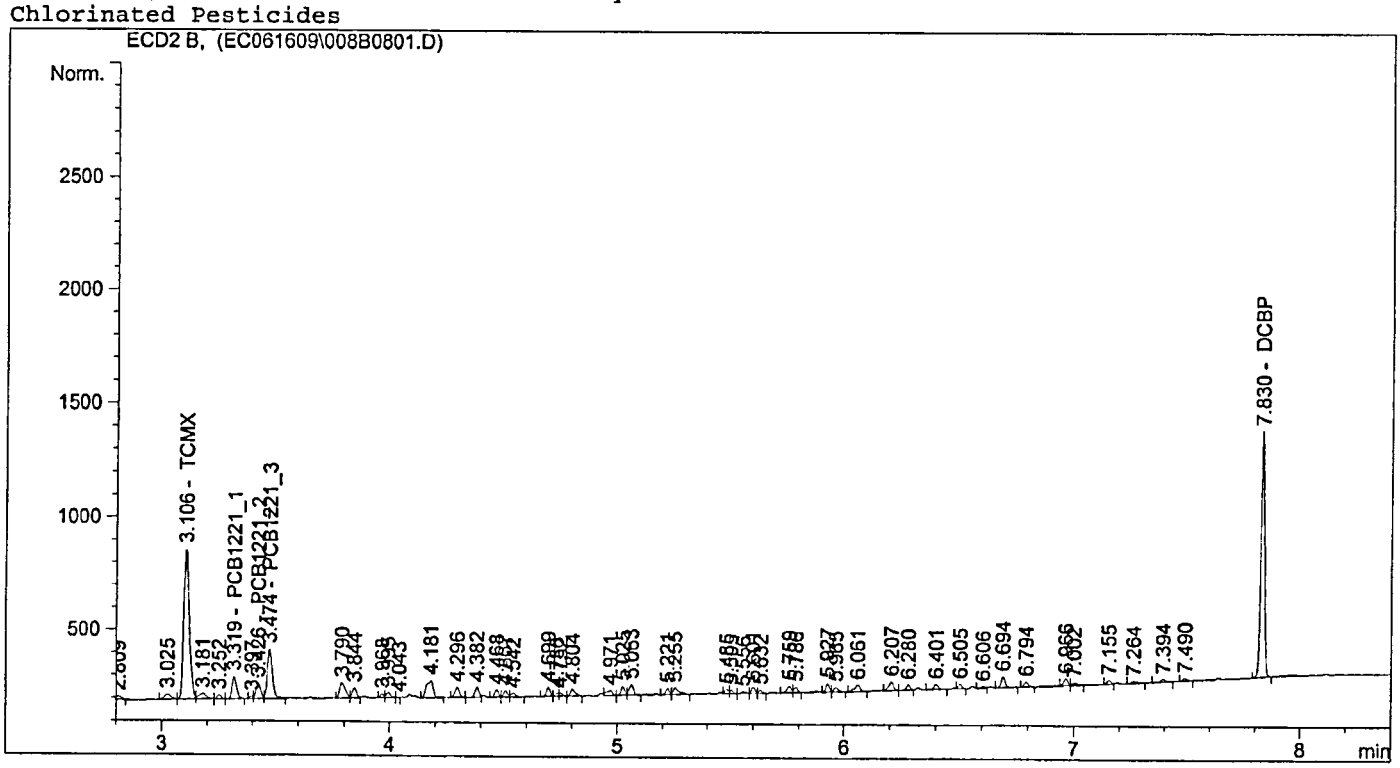
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2397.96655	8.34823e-3	20.01878		TCMX
3.319	BB	275.84152	7.50762e-1	207.09131		PCB1221_1
3.426	VV	187.95406	1.09628	206.05115		PCB1221_2
3.474	VB	654.39117	3.13155e-1	204.92564		PCB1221_3
6.890		-	-	-		DBC
7.832	BB	2483.32471	8.19260e-3	20.34488		DCBP
Totals :				658.43176		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:10:48 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

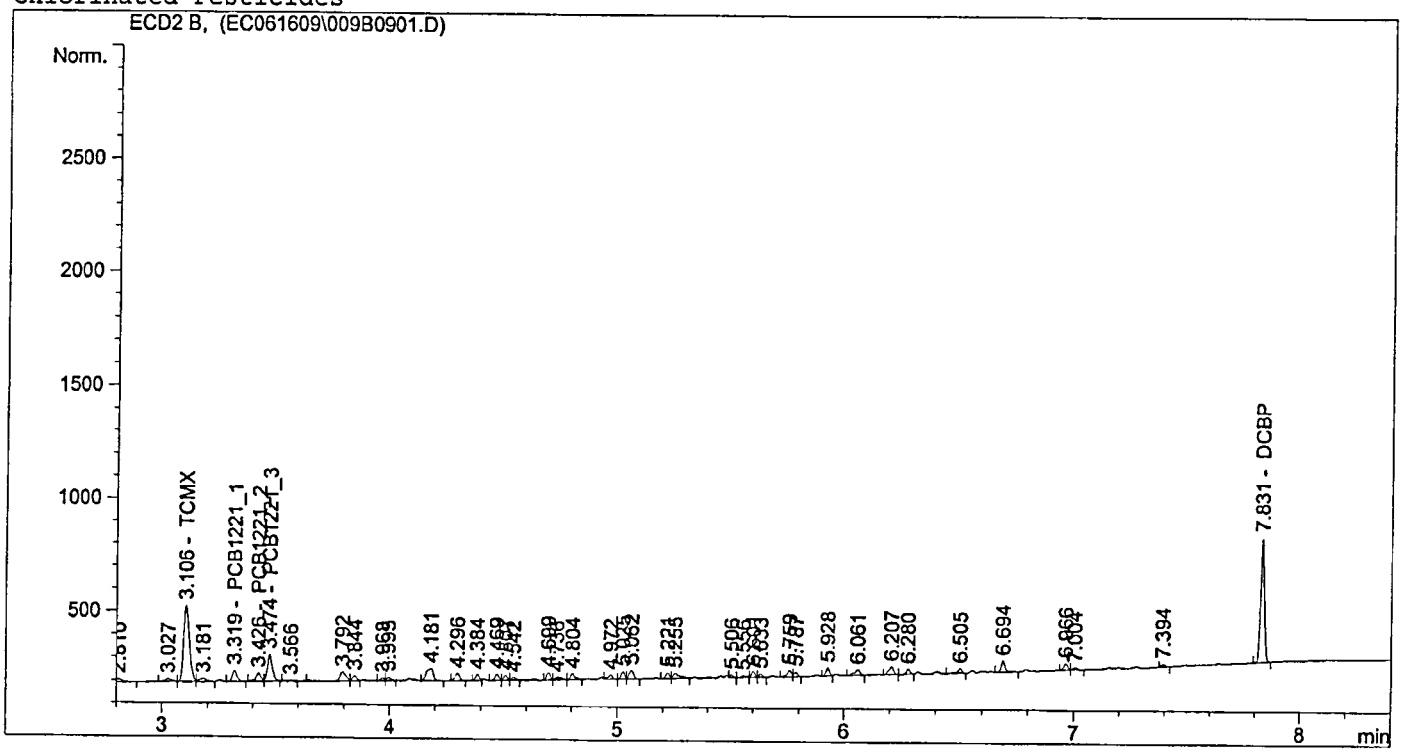
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1131.83484	1.03042e-2	11.66266		TCMX
3.319	VB	134.81822	8.06520e-1	108.73355		PCB1221_1
3.426	VV	93.75131	1.08858	102.05553		PCB1221_2
3.474	VB	334.08362	3.34162e-1	111.63808		PCB1221_3
6.890		-	-	-		DBC
7.830	BB	1227.84082	9.84715e-3	12.09073		DCBP
Totals :				346.18055		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:23:47 PM          Seq. Line :   9
Sample Name     : A1221 x40 ICAL                 Location : Vial 9
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	558.09558	1.41125e-2	7.87614		TCMX
3.319	VB	68.25873	9.12867e-1	62.31113		PCB1221_1
3.426	BV	54.14932	1.07733	58.33671		PCB1221_2
3.474	VB	171.69986	3.74752e-1	64.34483		PCB1221_3
6.890		-	-	-		DBC
7.831	BB	623.81079	1.30160e-2	8.11955		DCBP
Totals :				200.98835		

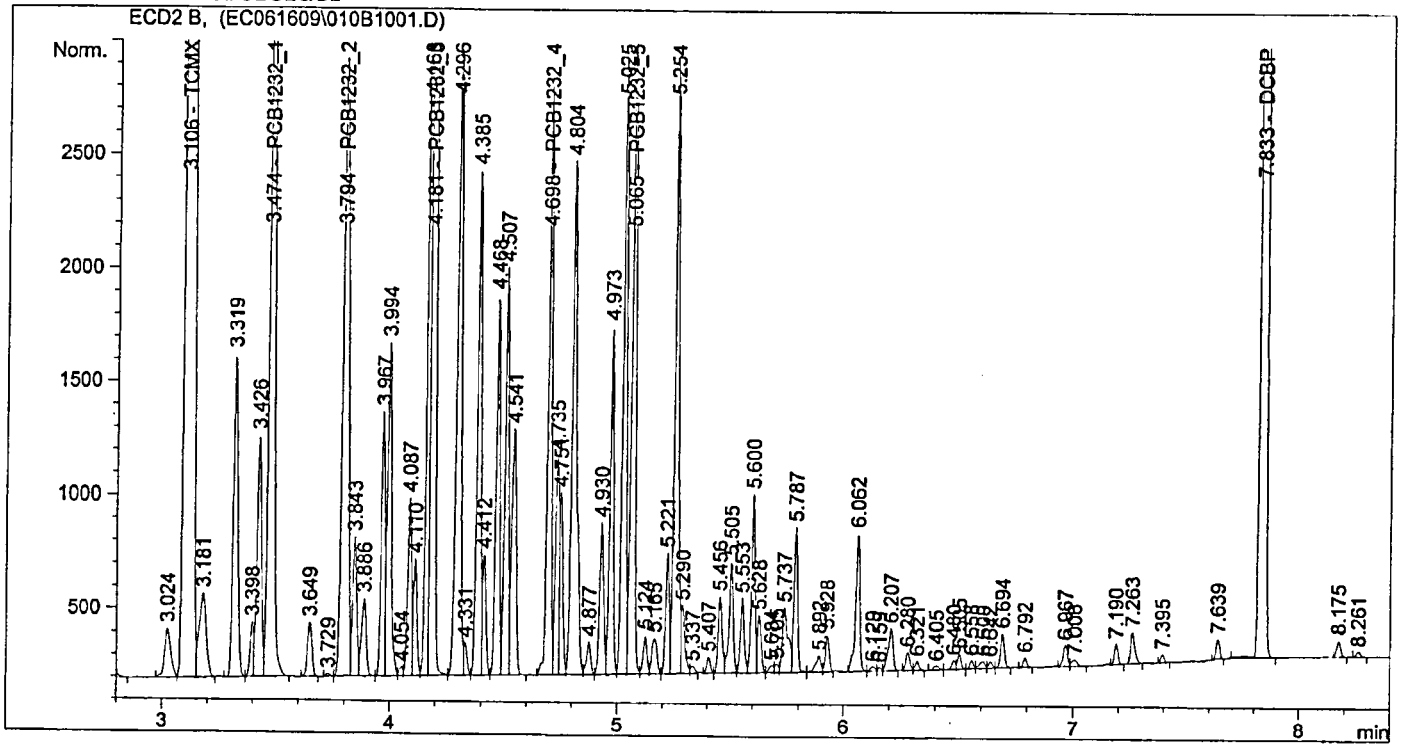
BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:36:37 PM          Seq. Line :  10
Sample Name     : A1232 x2000 ICAL               Location : Vial 10
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:21:24 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:21:22 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.07829e4	6.60592e-3	203.34925		TCMX
3.474	VB	5829.13086	3.47485e-1	2025.53436		PCB1232_1
3.794	VV	4788.60791	4.23154e-1	2026.31672		PCB1232_2
4.181	VV	7059.39648	2.64861e-1	1869.75795		PCB1232_3
4.698	PV	2918.44727	6.95111e-1	2028.64335		PCB1232_4
5.065	VV	3467.22461	5.85284e-1	2029.31203		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	3.08501e4	6.61224e-3	203.98829		DCBP
Totals :				1.03869e4		

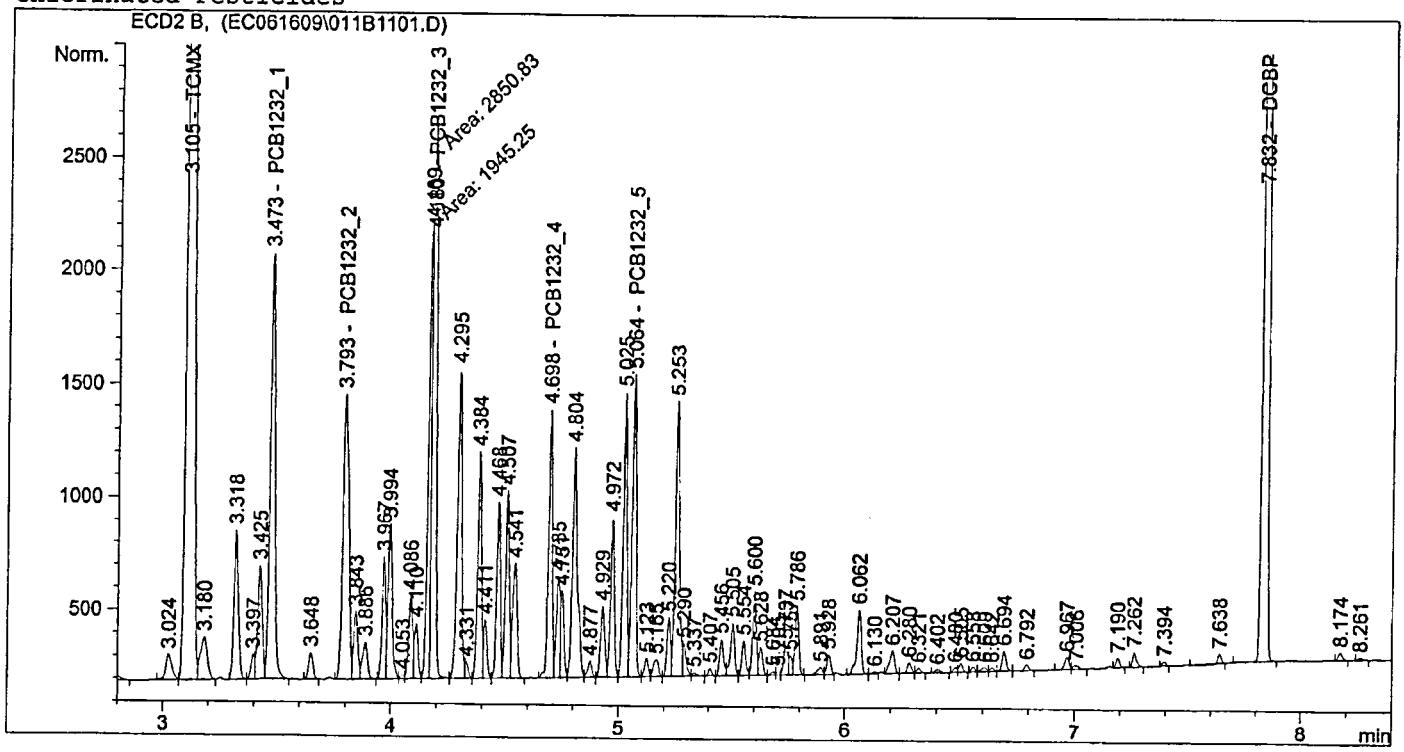
BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Data File C:\HPCHEM\1\DATA\EC061609\011B1101.D

```
==================================================================
Injection Date   : 6/16/2009 4:49:25 PM          Seq. Line :  11
Sample Name      : A1232 x1000 ICAL               Location : Vial 11
Acq. Operator    : BWS                                Inj :   1
                                                 Inj Volume : 1 µl
Acq. Method      : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed     : 12/5/2007 1:06:16 PM by DCS
Analysis Method  : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed     : 6/17/2009 10:22:06 AM by BWS
                   (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:22:04 AM
Multiplier	:	1.0000
Dilution	:	1.0000

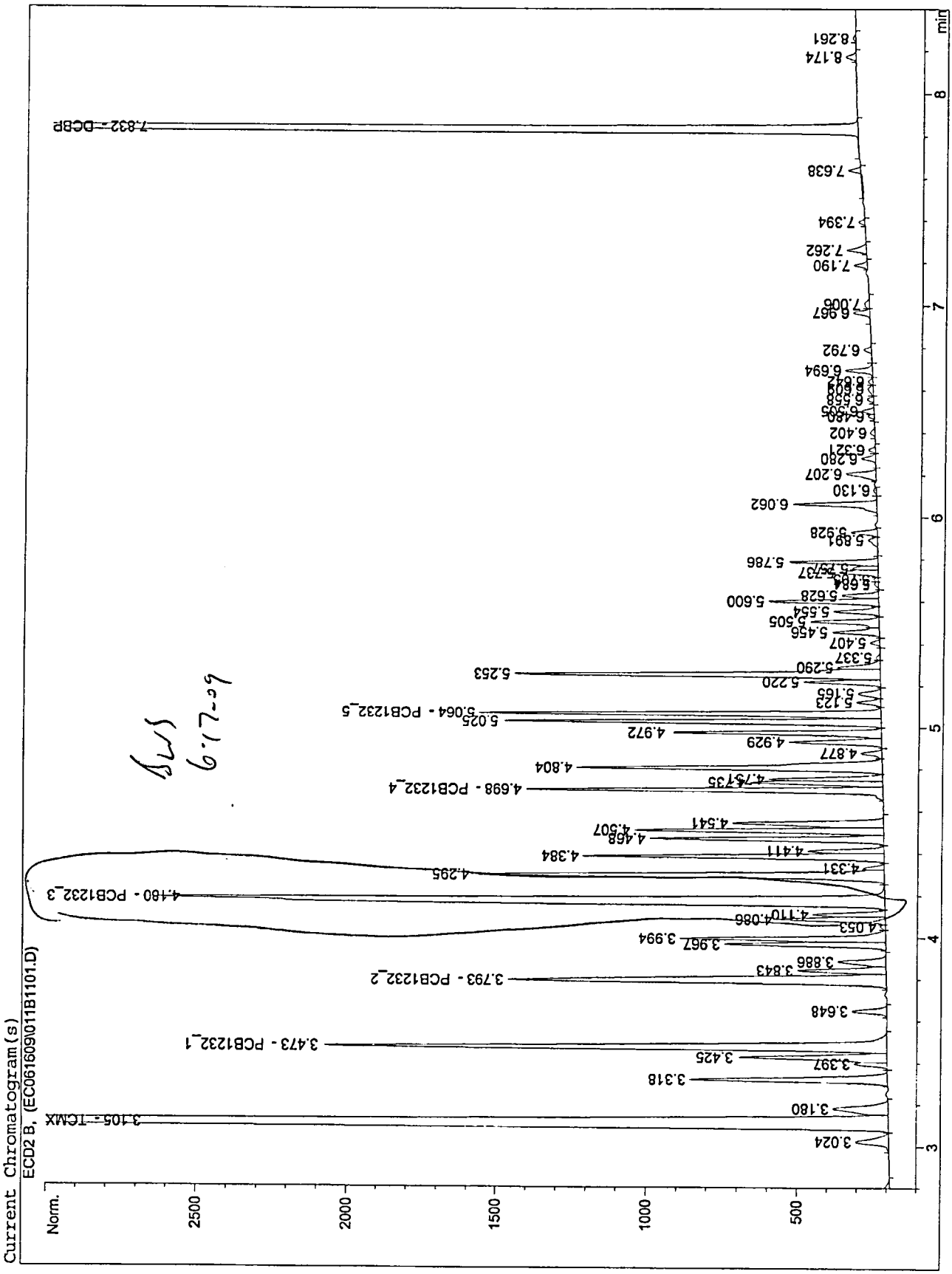
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	1.38047e4	6.81644e-3	94.09862		TCMX
3.473	VB	2691.67798	3.52963e-1	950.06210		PCB1232_1
3.793	VV	2218.20874	4.27105e-1	947.40858		PCB1232_2
4.180	FM	2850.83032	2.82281e-1	804.73630		PCB1232_3
4.698	PV	1341.82825	7.04198e-1	944.91323		PCB1232_4
5.064	VV	1594.22424	5.92052e-1	943.86407		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	1.36127e4	6.81968e-3	92.83438		DCBP
Totals :				4777.91728		

BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

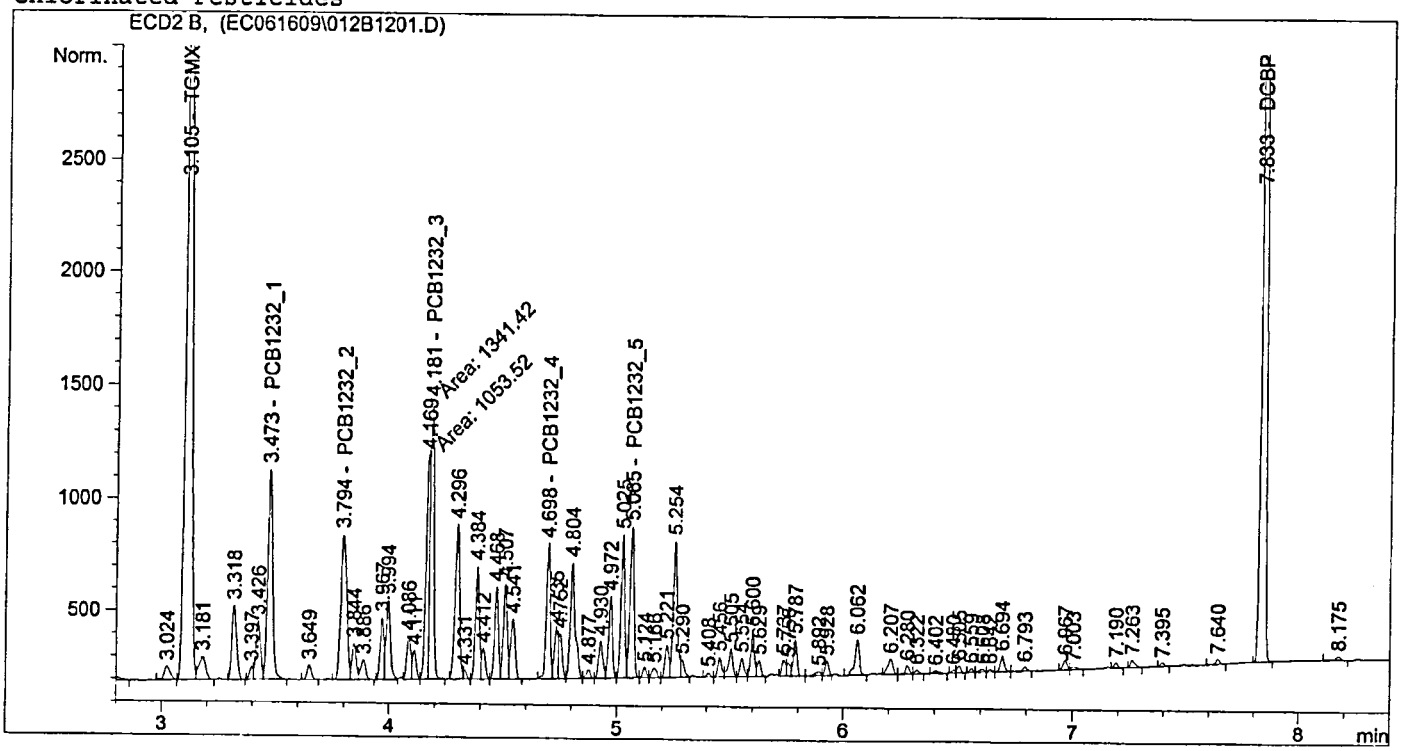
ECD2 6/17/2009 10:22:06 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\011B1101.D)
Norm.
2500
2000
1500
1000
500
3.024
3.105 - TCMX
3.180
3.318
3.397
3.425
3.473 - PCB1232_1
3.648
3.793 - PCB1232_2
3.843
3.886
3.967
3.994
4.053
4.086
4.110
4.180 - PCB1232_3
4.295
4.331
4.384
4.411
4.458
4.507
4.541
4.698 - PCB1232_4
4.735
4.804
4.877
4.929
4.972
5.025
5.064 - PCB1232_5
5.123
5.165
5.220
5.253
5.290
5.337
5.407
5.456
5.505
5.554
5.600
5.628
5.684
5.737
5.786
5.891
5.928
6.062
6.130
6.207
6.280
6.321
6.402
6.480
6.505
6.558
6.609
6.642
6.694
6.792
6.967
7.006
7.190
7.262
7.394
7.638
7.832 - DCBP
8.174
8.261
min
3
4
5
6
7
8

Data File C:\HPCHEM\1\DATA\EC061609\012B1201.D

Injection Date	: 6/16/2009 5:02:18 PM	Seq. Line :	12
Sample Name	: A1232 x500 ICAL	Location :	Vial 12
Acq. Operator	: BWS	Inj :	1
		Inj Volume :	1 µl
Acq. Method	: C:\HPCHEM\1\METHODS\FAST8080.M		
Last changed	: 12/5/2007 1:06:16 PM by DCS		
Analysis Method	: C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M		
Last changed	: 6/17/2009 10:22:55 AM by BWS (modified after loading)		

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:22:52 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	6693.57910	7.22193e-3	48.34053		TCMX
3.473	VB	1370.64856	3.62772e-1	497.23283		PCB1232_1
3.794	VV	1150.08057	4.33942e-1	499.06881		PCB1232_2
4.181	FM	1341.41992	3.06857e-1	411.62403		PCB1232_3
4.698	BV	687.42407	7.20213e-1	495.09149		PCB1232_4
5.065	VV	817.45380	6.03957e-1	493.70725		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	6673.33350	7.20574e-3	48.08628		DCBP
Totals :				2493.15122		

BWS
6·17·09

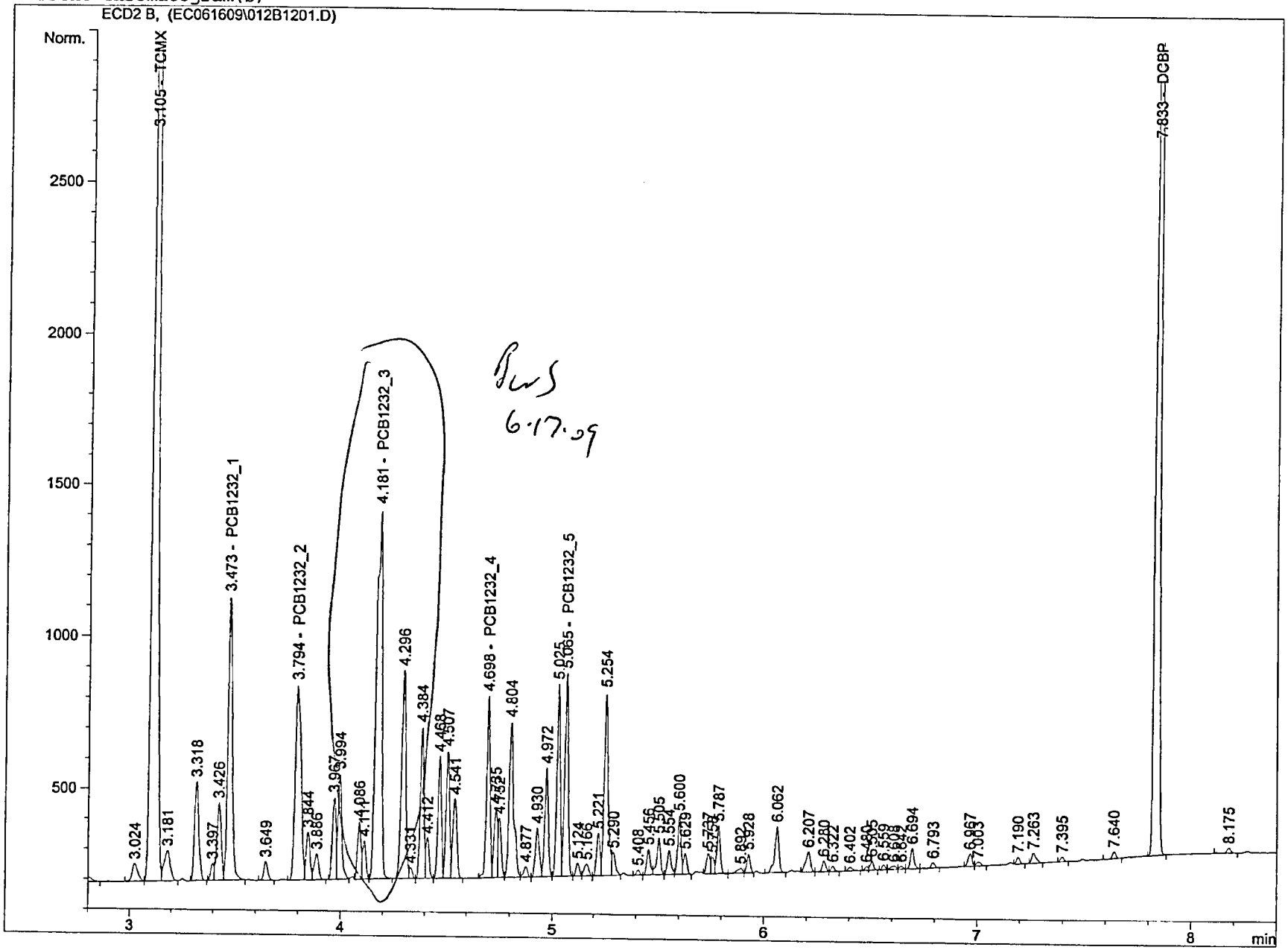
Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:22:55 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

ECD2 B, (EC061609\012B1201.D)

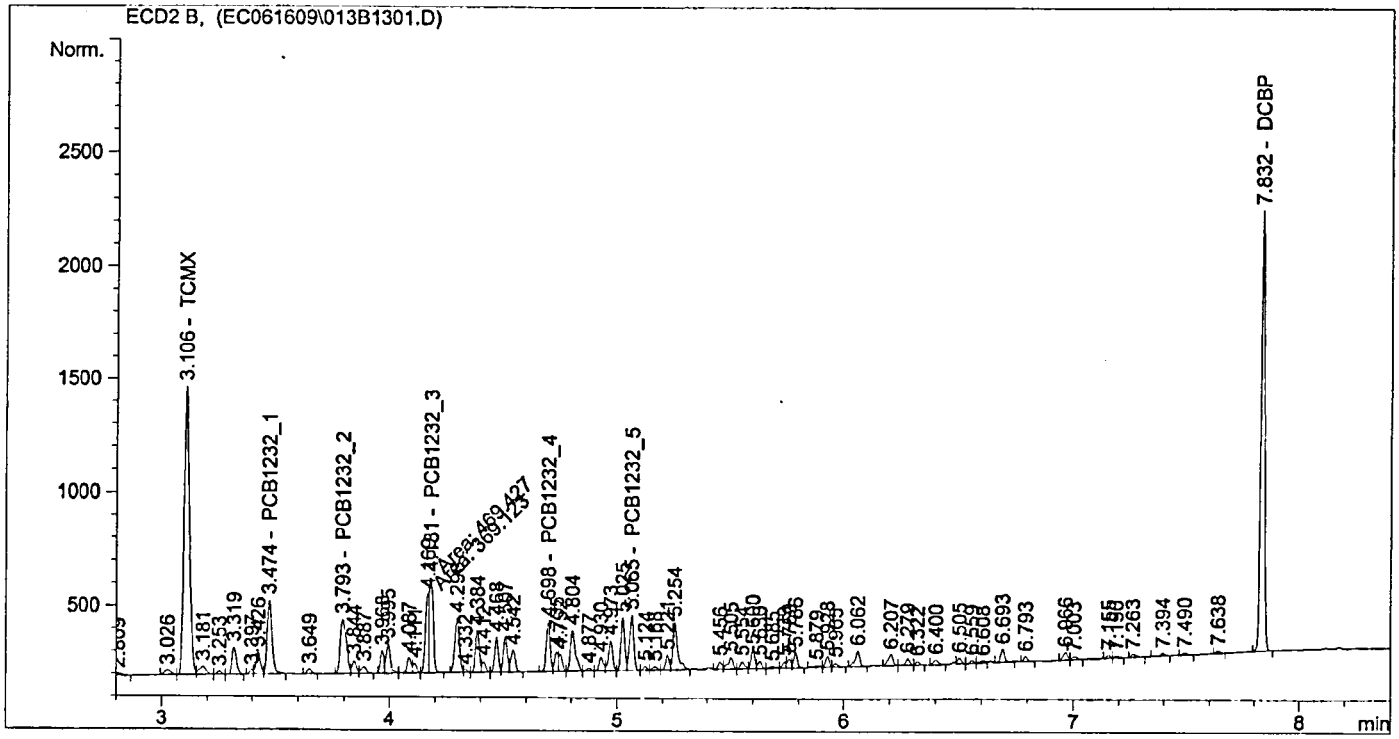


ECD2 6/17/2009 10:22:28 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\013B1301.D

```
==================================================================
Injection Date  : 6/16/2009 5:15:06 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:23:32 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:23:30 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

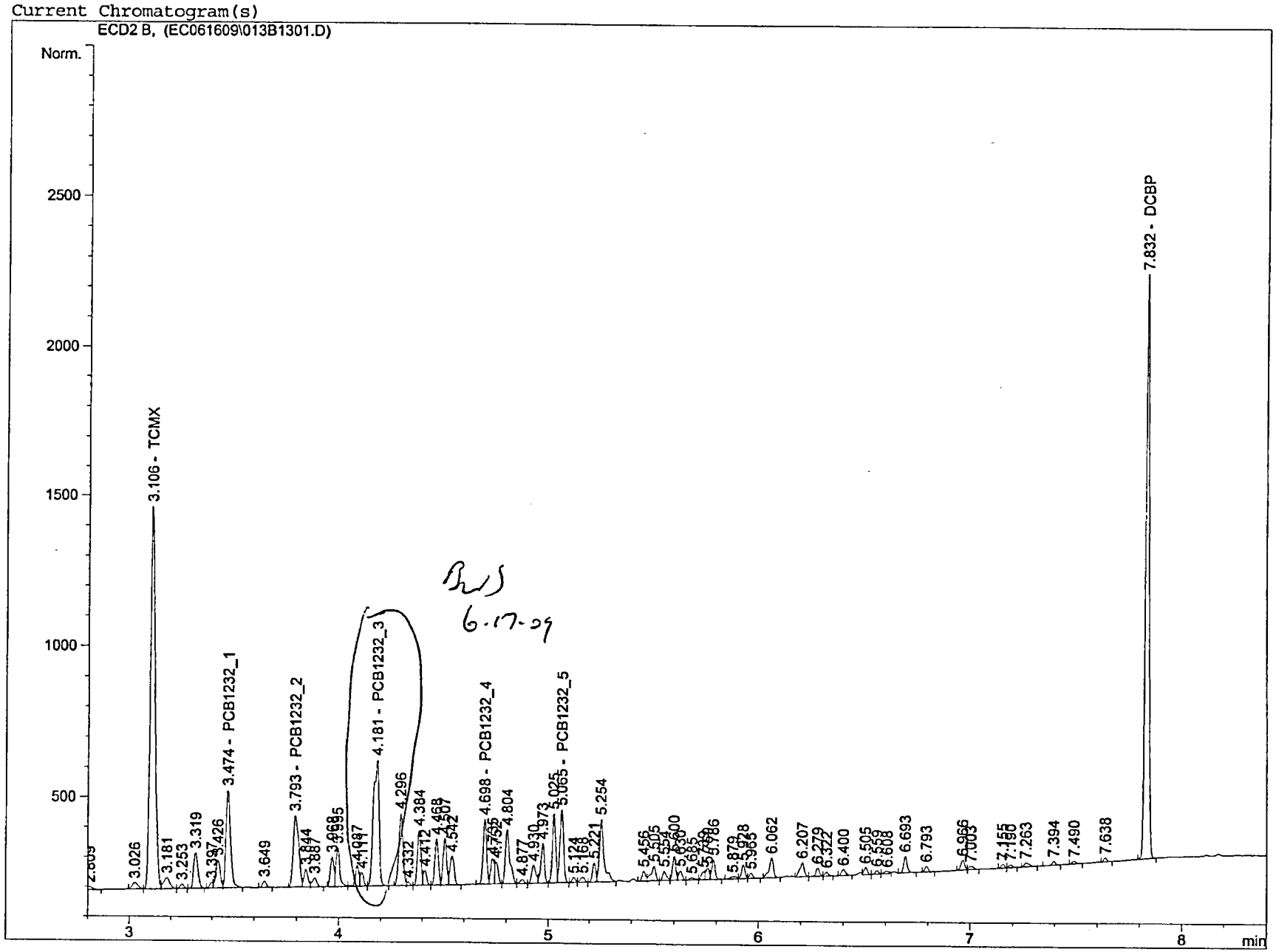
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2110.25537	8.93160e-3	18.84795		TCMX
3.474	VB	486.65030	3.99078e-1	194.21135		PCB1232_1
3.793	BV	427.34033	4.57957e-1	195.70335		PCB1232_2
4.181	FM	469.42694	3.87568e-1	181.93497		PCB1232_3
4.698	PV	247.69260	7.78508e-1	192.83062		PCB1232_4
5.065	VB	301.99167	6.45663e-1	194.98477		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	2197.49219	8.74824e-3	19.22420		DCBP
Totals :				997.73721		

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:23:32 AM BWS

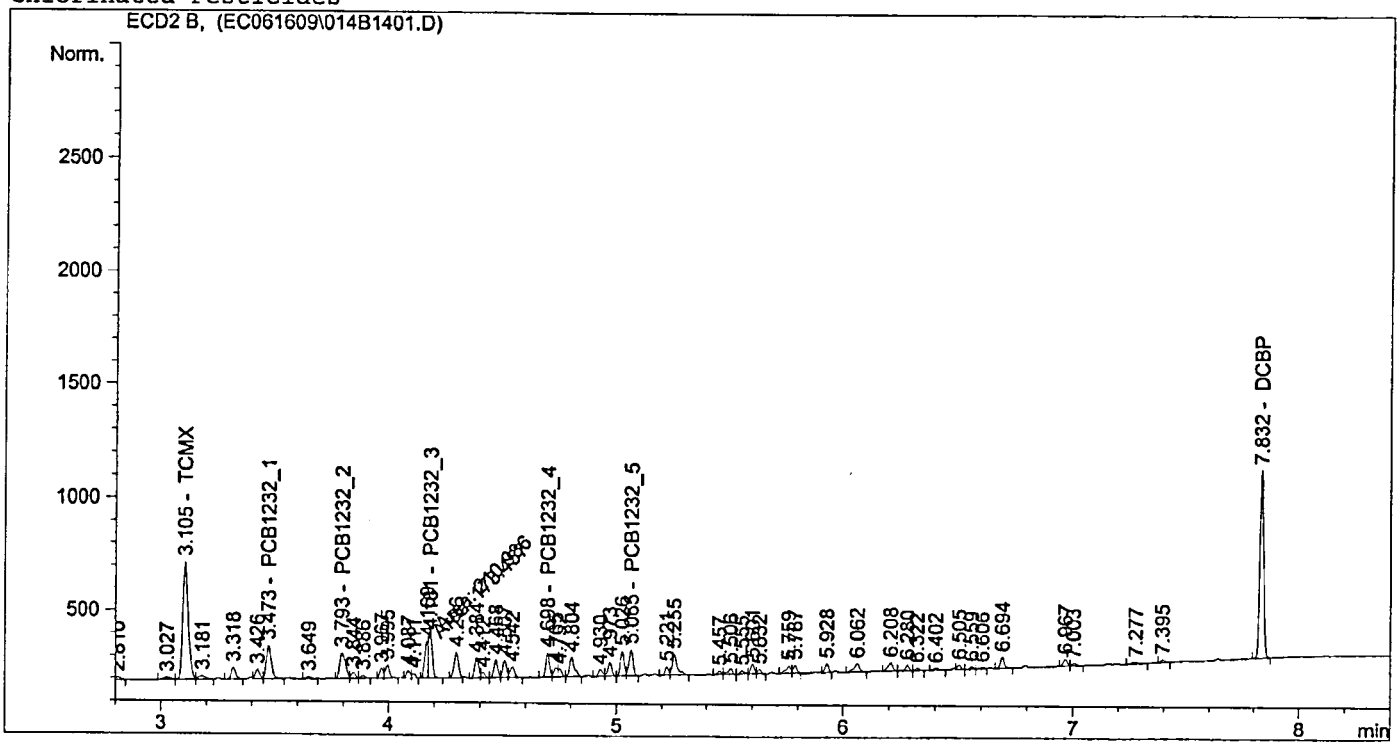
Print of window 38: Current Chromatogram(s)



ECD2 6/17/2009 10:23:10 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\014B1401.D

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  14
Sample Name     : A1232 x100 ICAL                Location : Vial 14
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:24:15 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:13 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	860.78107	1.25559e-2	10.80789		TCMX
3.473	VB	216.28876	4.69444e-1	101.53543		PCB1232_1
3.793	BV	200.24164	5.01295e-1	100.38017		PCB1232_2
4.181	FM	210.98586	5.72392e-1	120.76666		PCB1232_3
4.698	BV	116.21473	8.81608e-1	102.45588		PCB1232_4
5.065	VV	142.00189	7.20180e-1	102.26692		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	938.60114	1.18329e-2	11.10635		DCBP
Totals :				549.31928		

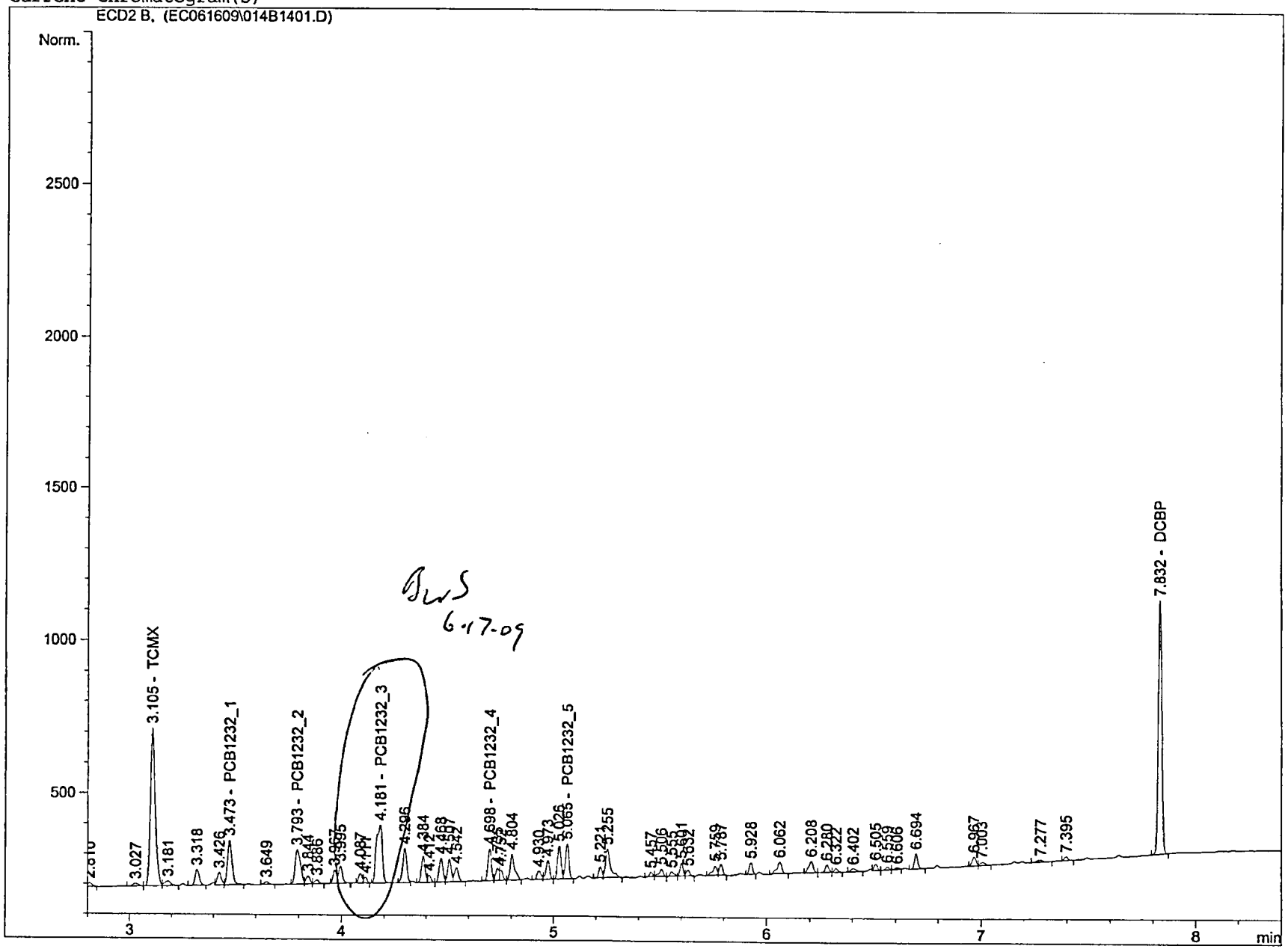
BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:24:15 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

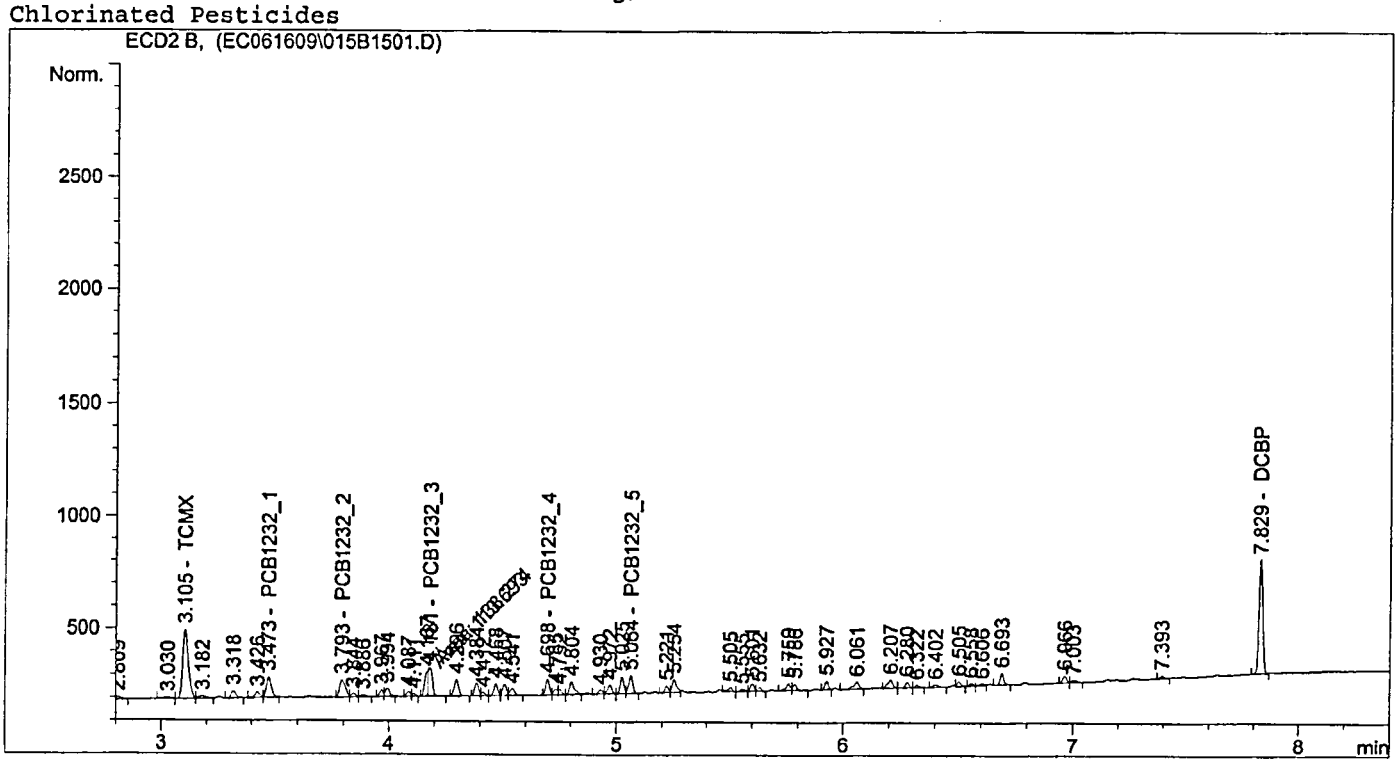


ECD2 6/17/2009 10:23:55 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\015B1501.D

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  15
Sample Name     : A1232 x40 ICAL                 Location : Vial 15
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:25:01 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	510.78622	1.67502e-2	8.55576		TCMX
3.473	VB	128.44514	5.56066e-1	71.42394		PCB1232_1
3.793	BV	130.53764	5.44842e-1	71.12238		PCB1232_2
4.181	FM	138.27422	7.88967e-1	109.09385		PCB1232_3
4.698	BV	77.82170	9.77432e-1	76.06543		PCB1232_4
5.064	VV	96.44386	7.86623e-1	75.86496		PCB1232_5
6.889		-	-	-		DBC
7.829	BB	574.81494	1.52406e-2	8.76050		DCBP

BWS
6-17-09

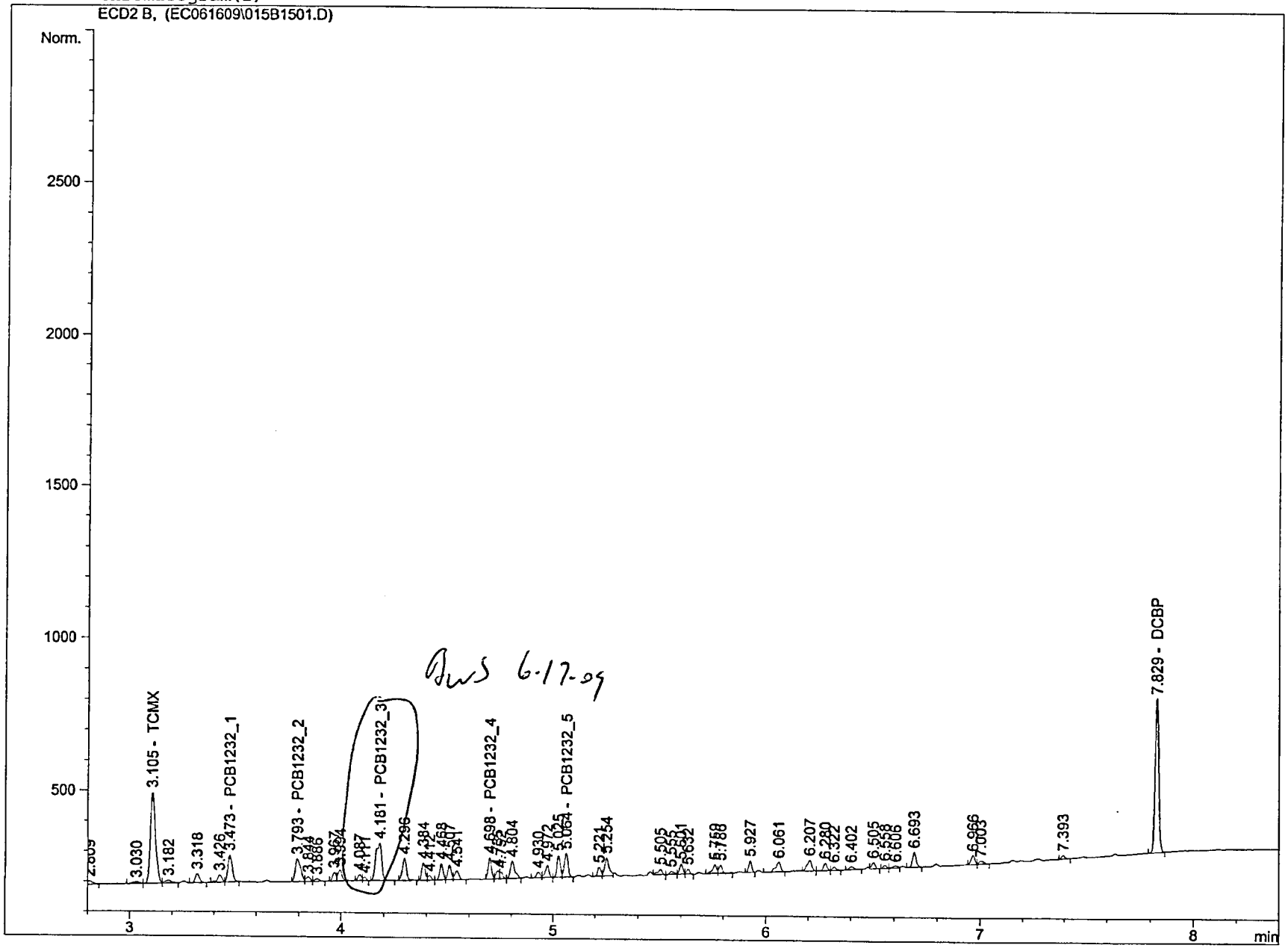
Totals : 420.88682

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:25:01 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

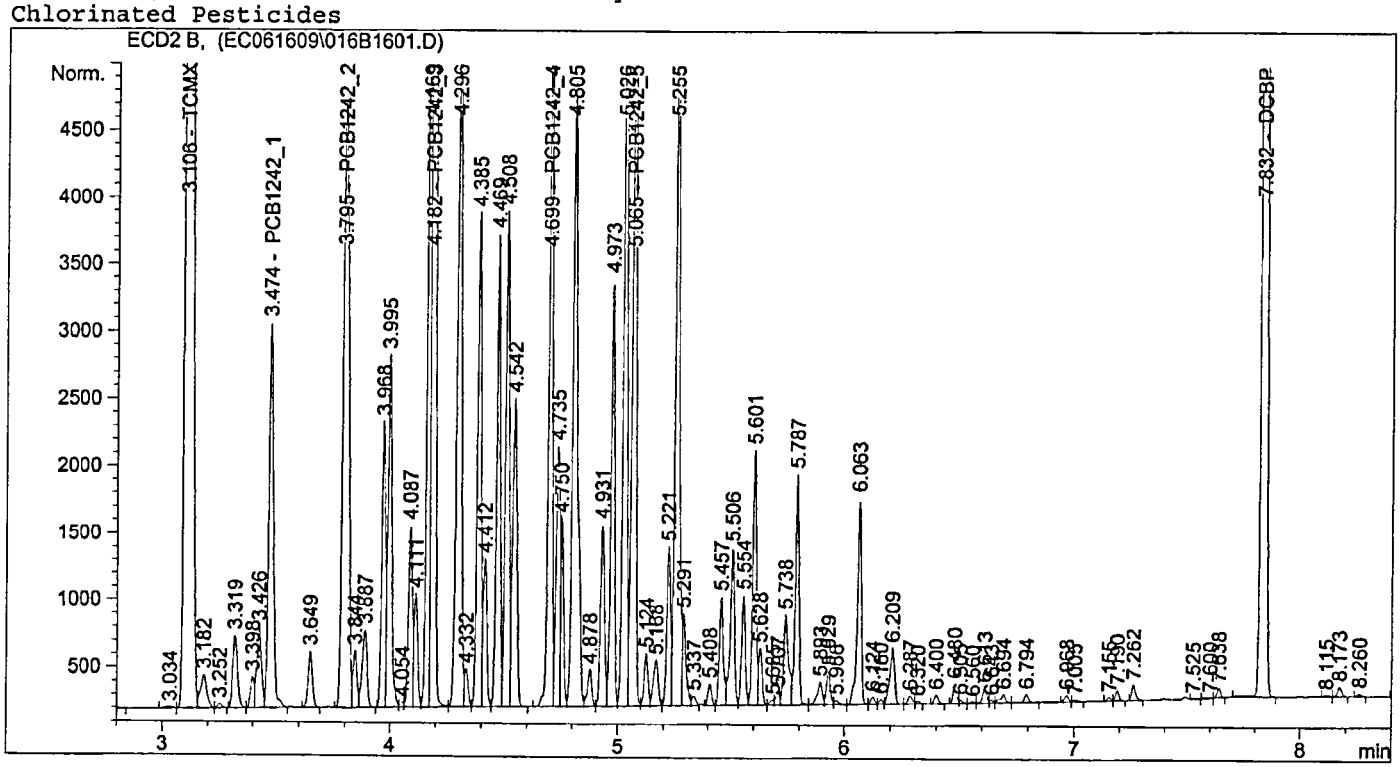


ECD2 6/17/2009 10:24:40 AM BWS

==========

Injection Date : 6/16/2009 5:53:50 PM Seq. Line : 16
Sample Name : A1242 x2000 ICAL Location : Vial 16
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2.92767e4	6.85742e-3	200.76221		TCMX
3.474	VV	3962.70728	5.03467e-1	1995.09090		PCB1242_1
3.795	VV	7946.29199	2.51169e-1	1995.86526		PCB1242_2
4.182	VV	1.24689e4	1.59461e-1	1988.29808		PCB1242_3
4.699	VV	5915.20605	3.38749e-1	2003.76734		PCB1242_4
5.065	VV	7151.57080	2.80370e-1	2005.08372		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2.90941e4	6.91610e-3	201.21788		DCBP

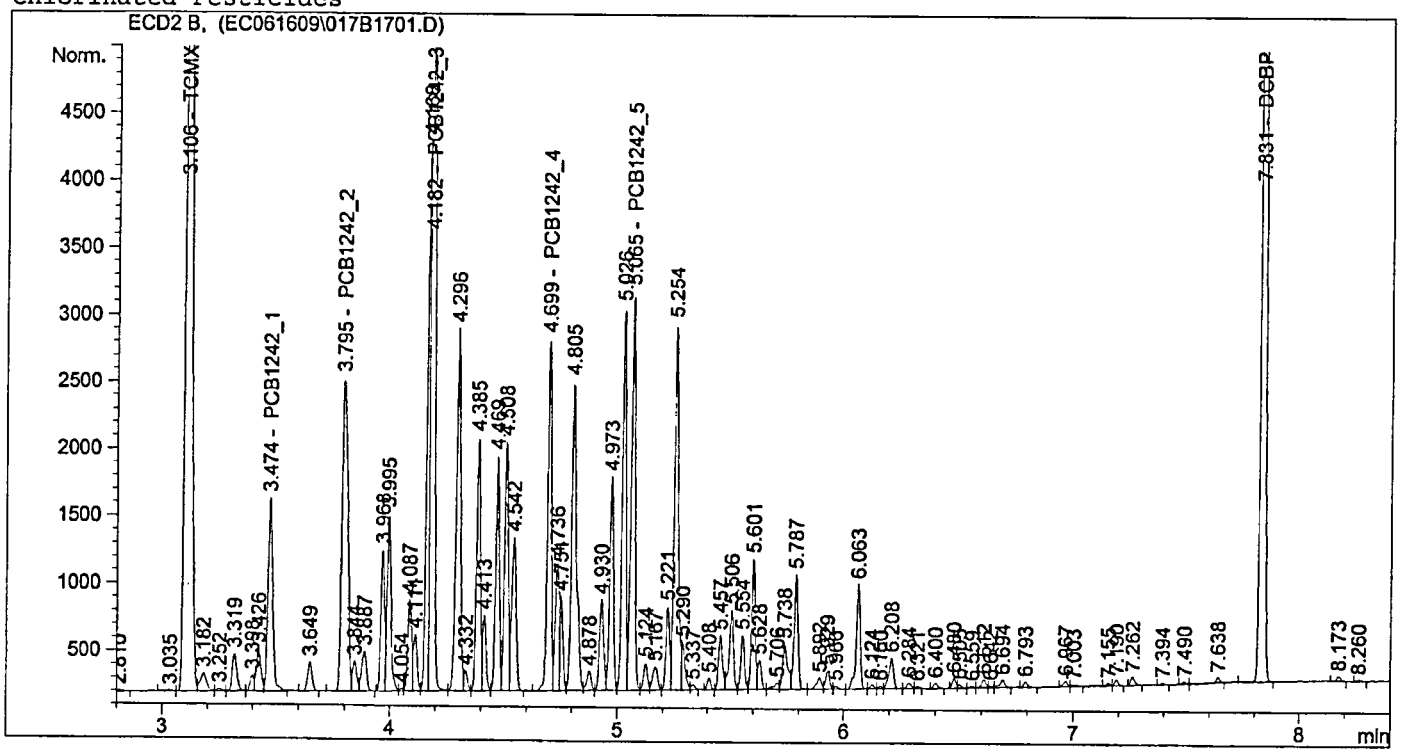
Totals : 1.03901e4

BWS
6·17·09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:06:49 PM          Seq. Line :  17
Sample Name     : A1242 x1000 ICAL               Location : Vial 17
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 9:27:17 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.43929e4	6.97046e-3	100.32491		TCMX
3.474	VV	2033.83032	5.02091e-1	1021.16886		PCB1242_1
3.795	BV	4071.44067	2.50321e-1	1019.16534		PCB1242_2
4.182	VV	6488.69141	1.60779e-1	1043.24213		PCB1242_3
4.699	VV	2958.26978	3.40681e-1	1007.82652		PCB1242_4
5.065	VV	3563.59204	2.82173e-1	1005.54971		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	1.41855e4	7.01620e-3	99.52838		DCBP
Totals :				5296.80584		

BWS
6-17-09

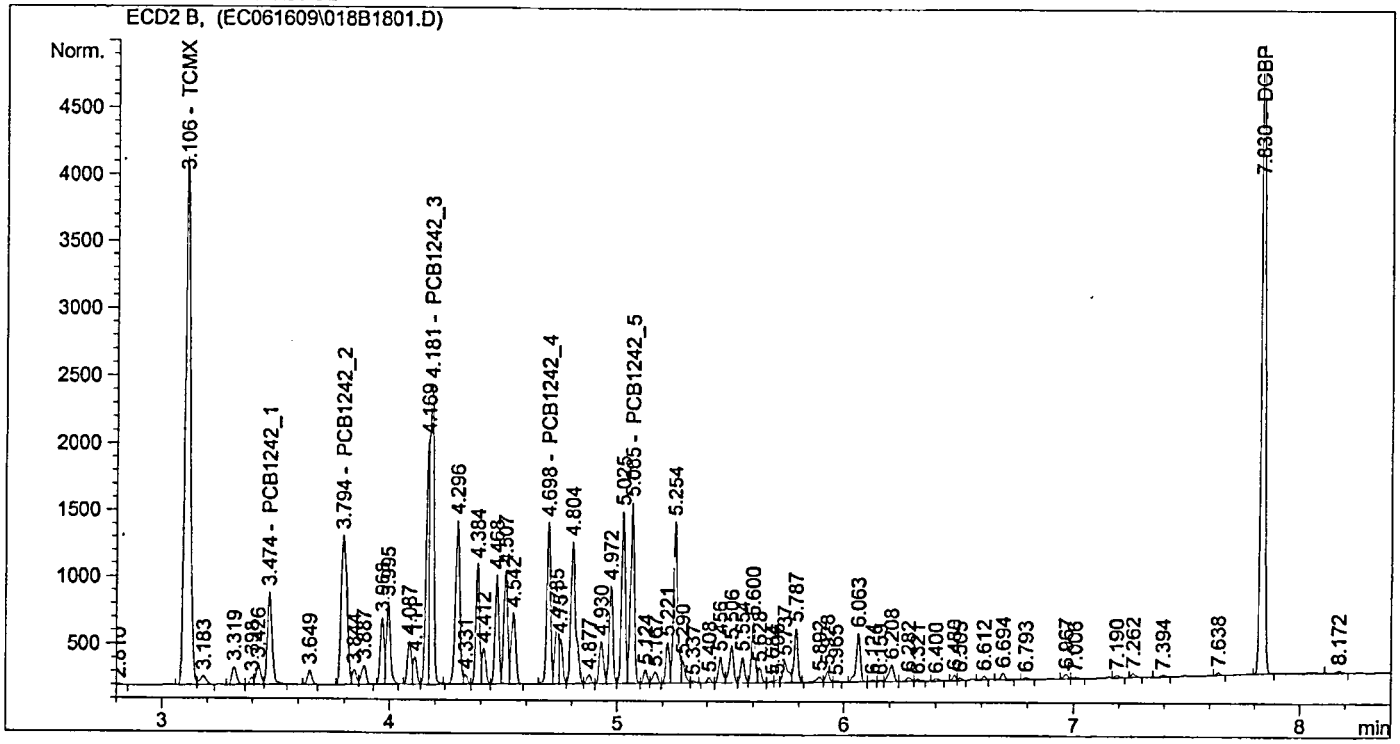
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 6:19:35 PM Seq. Line : 18
Sample Name : A1242 x500 ICAL Location : Vial 18
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6394.96143	7.24856e-3	46.35427		TCMX
3.474	VB	960.01599	4.98931e-1	478.98215		PCB1242_1
3.794	BV	1938.76562	2.48406e-1	481.60057		PCB1242_2
4.181	VB	2829.96143	1.64330e-1	465.04890		PCB1242_3
4.698	BV	1360.82581	3.45219e-1	469.78325		PCB1242_4
5.065	VV	1634.49902	2.86415e-1	468.14573		PCB1242_5
6.888		-	-	-		DBC
7.830	BB	6329.30811	7.25866e-3	45.94230		DCBP

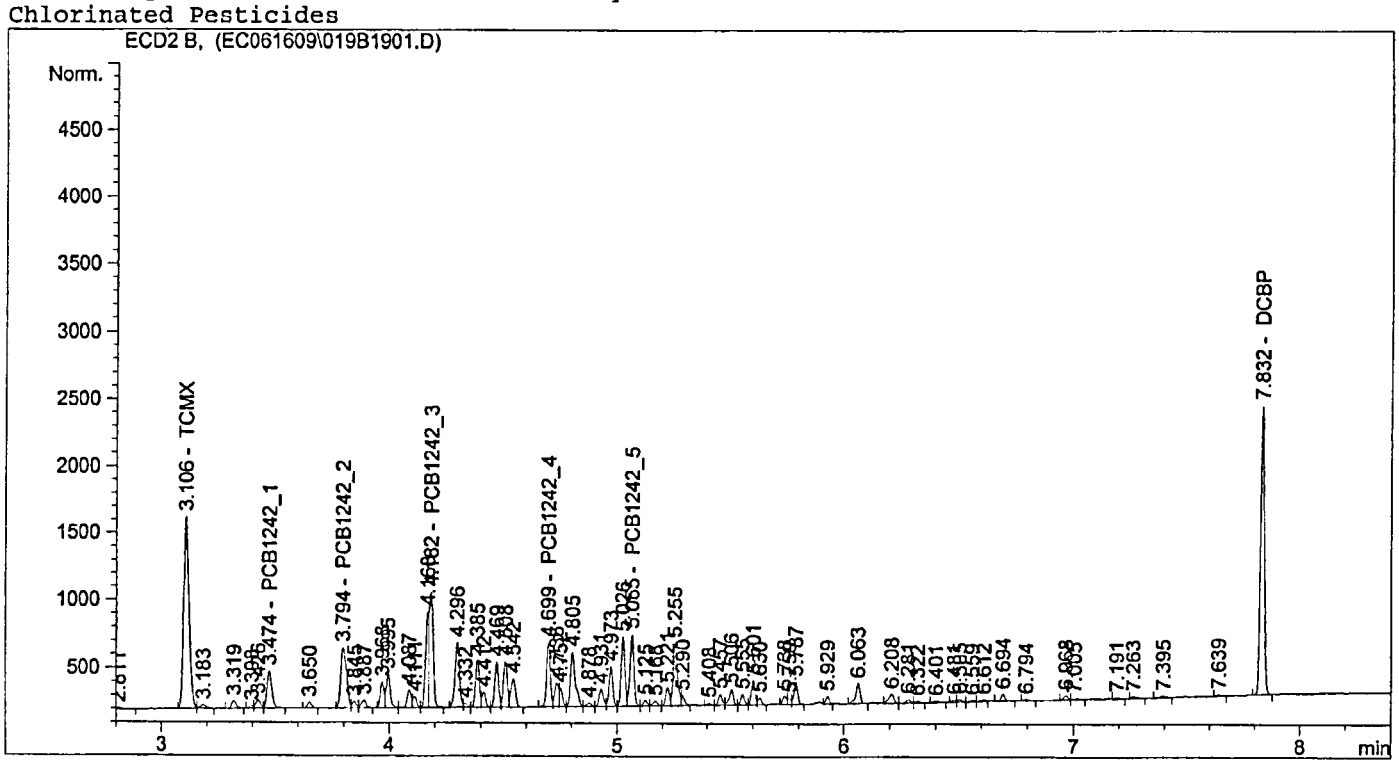
Totals : 2455.85717

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:32:31 PM          Seq. Line :  19
Sample Name     : A1242 x200 ICAL                Location : Vial 19
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	2328.82739	8.12237e-3	18.91559		TCMX
3.474	VB	395.39301	4.90385e-1	193.89462		PCB1242_1
3.794	BV	780.13617	2.42977e-1	189.55496		PCB1242_2
4.182	VB	1045.23547	1.75087e-1	183.00664		PCB1242_3
4.699	BV	536.12469	3.58147e-1	192.01145		PCB1242_4
5.065	VV	648.73181	2.98324e-1	193.53211		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2407.47168	7.97184e-3	19.19199		DCBP

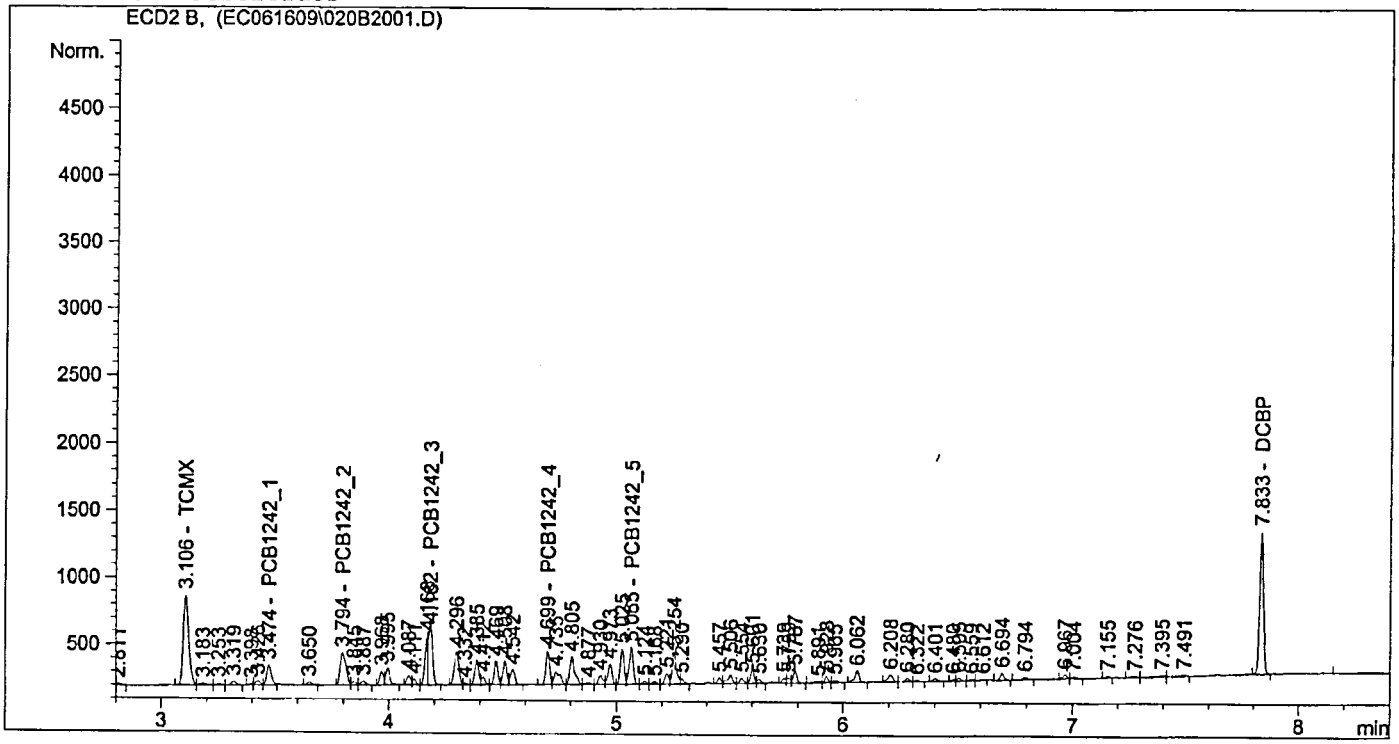
Totals : 990.10736

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 6:45:23 PM          Seq. Line :  20
Sample Name     : A1242 x100 ICAL                Location : Vial 20
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1118.03540	9.61065e-3	10.74505		TCMX
3.474	VV	207.61044	4.77240e-1	99.08008		PCB1242_1
3.794	BV	414.28751	2.34954e-1	97.33869		PCB1242_2
4.182	VB	543.15674	1.90852e-1	103.66257		PCB1242_3
4.699	VV	276.82047	3.78129e-1	104.67387		PCB1242_4
5.065	VV	336.67703	3.16625e-1	106.60033		PCB1242_5
6.888		-	-	-		DBC
7.833	BB	1210.19702	9.11054e-3	11.02554		DCBP

Totals : 533.12613

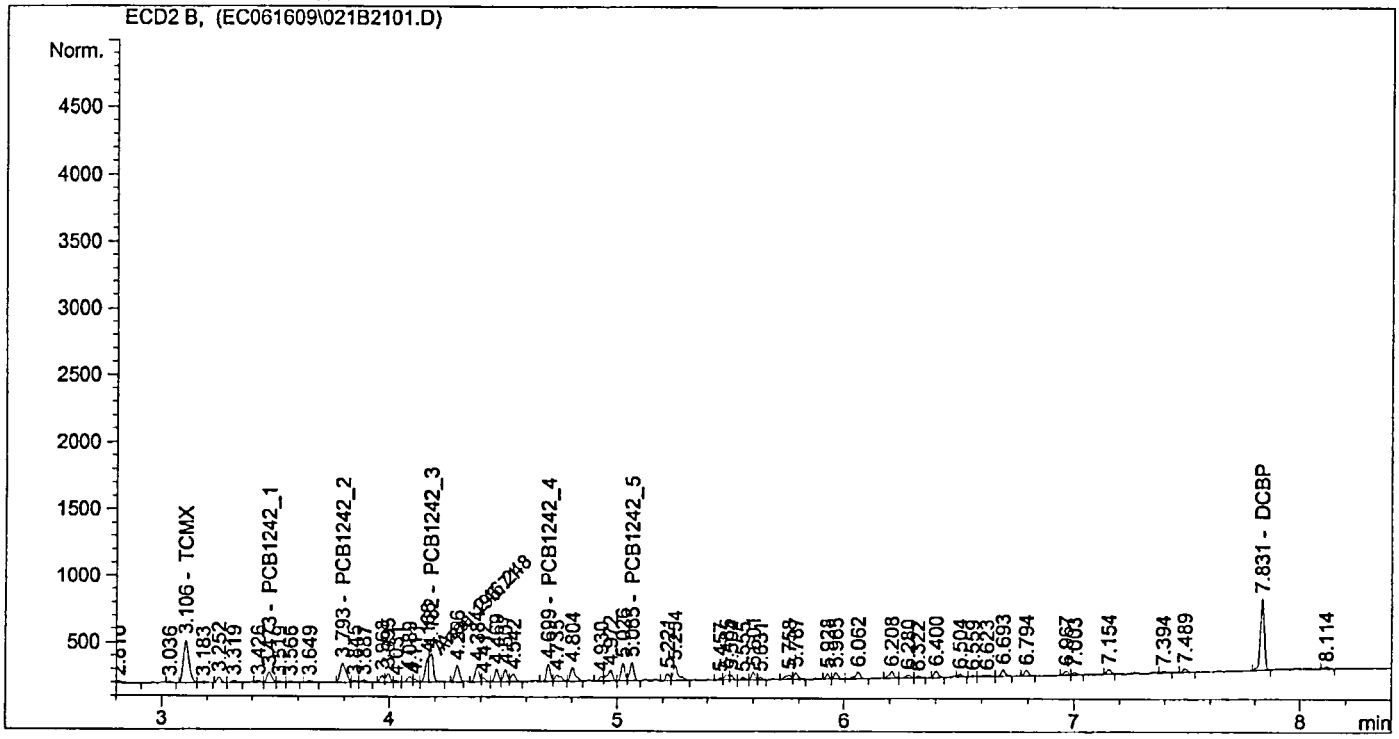
BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:58:15 PM          Seq. Line :  21
Sample Name     : A1242 x40 ICAL                 Location : Vial 21
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	547.93732	1.25890e-2	6.89797		TCMX
3.473	VV	113.93815	4.54487e-1	51.78338		PCB1242_1
3.793	BV	252.17020	2.23957e-1	56.47519		PCB1242_2
4.182	FM	246.24762	2.30425e-1	56.74168		PCB1242_3
4.699	VV	149.93695	4.13091e-1	61.93758		PCB1242_4
5.065	VB	173.30504	3.52491e-1	61.08840		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	633.78406	1.11929e-2	7.09391		DCBP

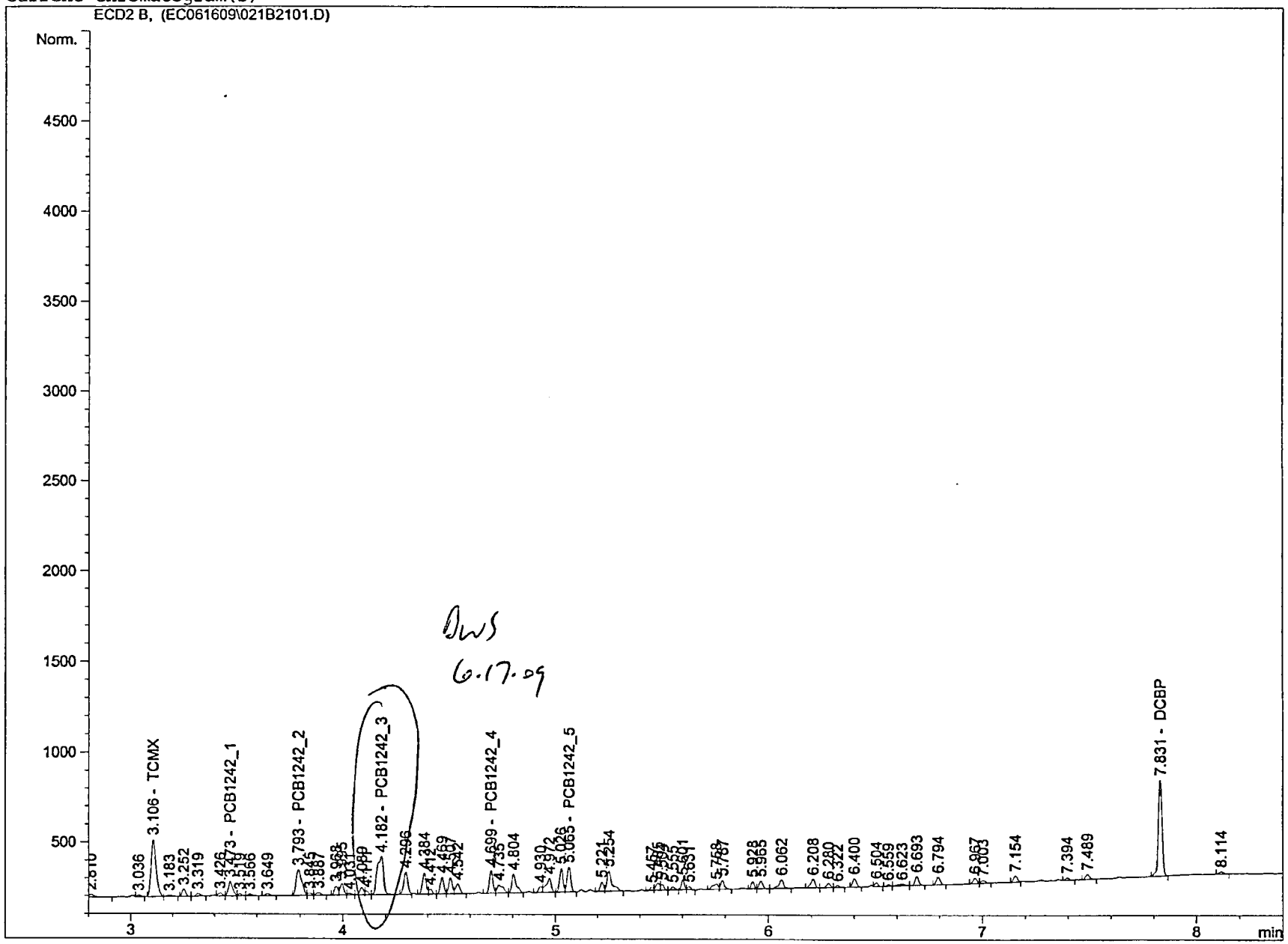
Totals : 302.01812

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

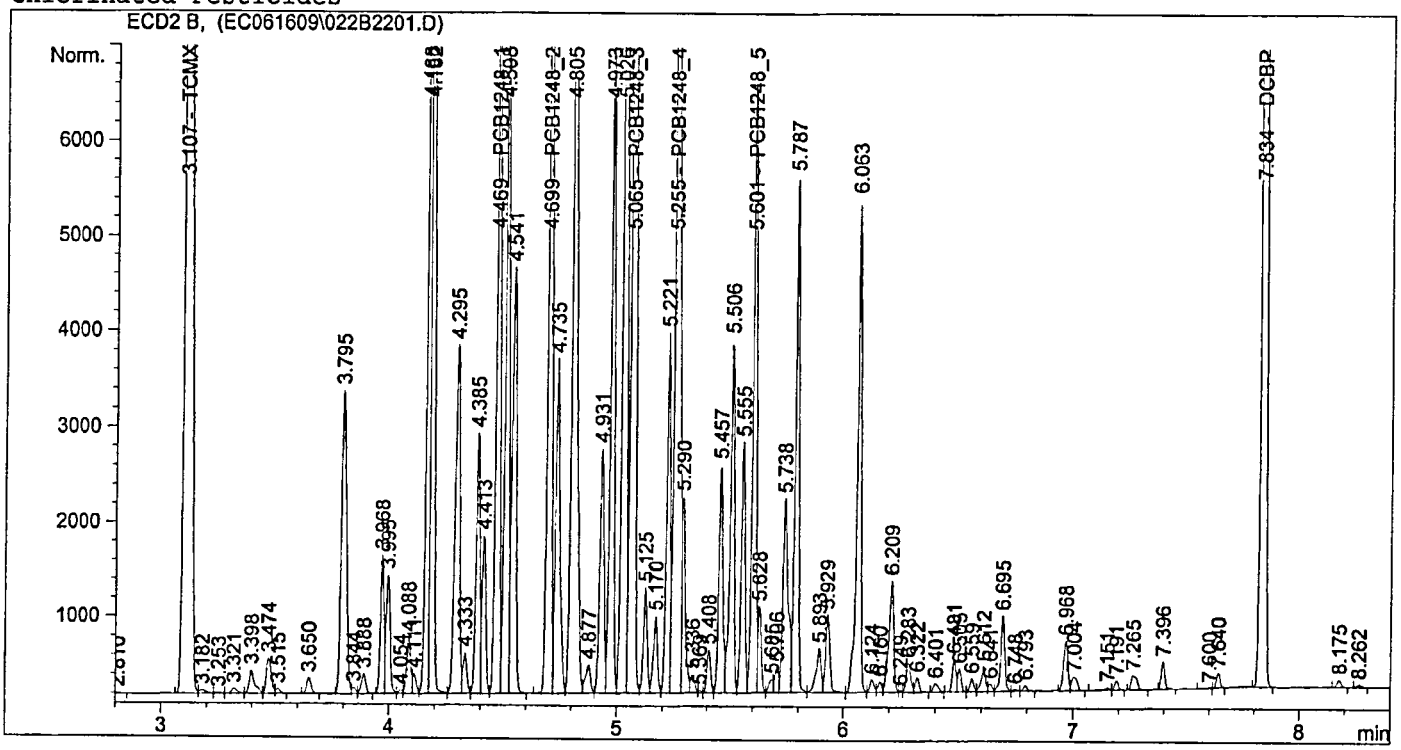


ECD2 6/17/2009 9:14:19 AM BWS

==========

Injection Date : 6/16/2009 7:11:15 PM Seq. Line : 22
Sample Name : A1248 x2000 ICAL Location : Vial 22
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	3.08251e4	6.58618e-3	203.01976		TCMX
4.469	VV	8806.67773	2.29913e-1	2024.77376		PCB1248_1
4.699	VV	1.18361e4	1.71744e-1	2032.77617		PCB1248_2
5.065	VV	1.71860e4	1.17833e-1	2025.08547		PCB1248_3
5.255	VV	1.71760e4	1.18112e-1	2028.69103		PCB1248_4
5.601	VV	7110.13770	2.85328e-1	2028.71889		PCB1248_5
6.887		-	-	-		DBC
7.834	VP	3.05506e4	6.65094e-3	203.19030		DCBP

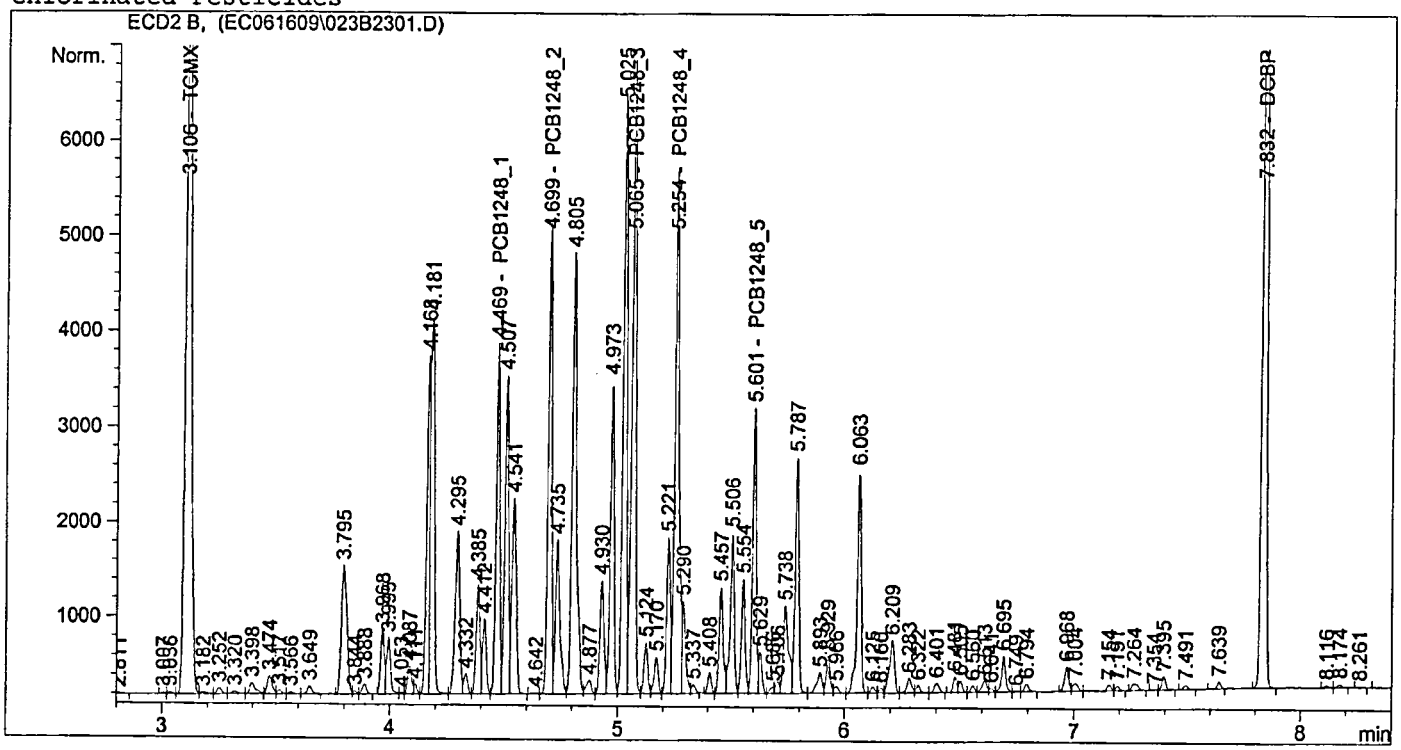
Totals : 1.05463e4

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 7:24:05 PM          Seq. Line :  23
Sample Name     : A1248 x1000 ICAL               Location : Vial 23
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.40913e4	6.80030e-3	95.82514		TCMX
4.469	VV	4111.20459	2.34822e-1	965.40007		PCB1248_1
4.699	VV	5394.39160	1.76085e-1	949.86968		PCB1248_2
5.065	VV	7994.77148	1.20778e-1	965.59574		PCB1248_3
5.254	VV	7896.04150	1.21496e-1	959.33850		PCB1248_4
5.601	VV	3272.71558	2.93019e-1	958.96702		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	1.39587e4	6.84358e-3	95.52761		DCBP

BWS
6.17.09

Totals : 4990.52377

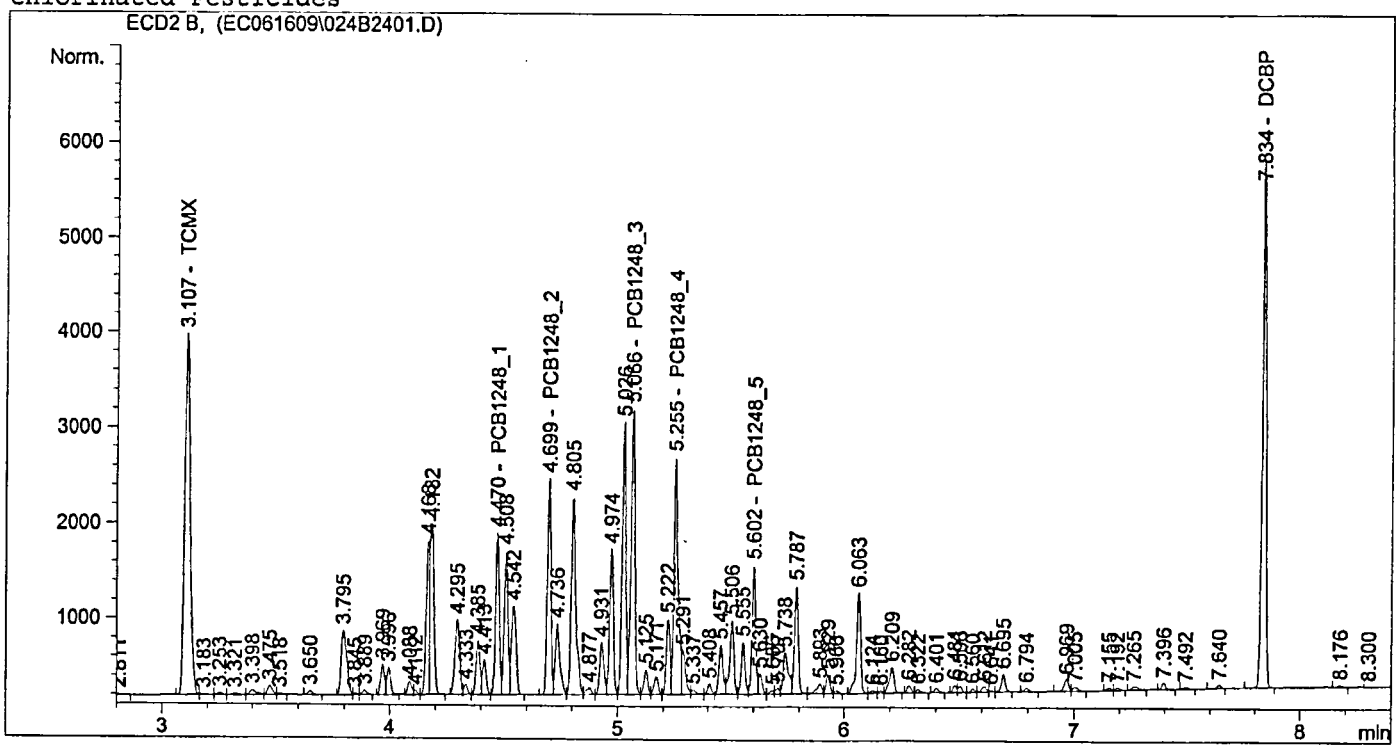
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 7:37:02 PM Seq. Line : 24
Sample Name : A1248 x500 ICAL Location : Vial 24
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	6300.57422	7.28801e-3	45.91865		TCMX
4.470	VV	1901.68494	2.45518e-1	466.89717		PCB1248_1
4.699	VV	2512.91968	1.85230e-1	465.46735		PCB1248_2
5.066	VV	3658.34595	1.27306e-1	465.72899		PCB1248_3
5.255	VV	3585.53442	1.29026e-1	462.62656		PCB1248_4
5.602	VV	1494.21899	3.09980e-1	463.17845		PCB1248_5
6.887		-	-	-		DBC
7.834	BB	6299.68750	7.27482e-3	45.82909		DCBP

Totals : 2415.64627

BWS
6-17-09

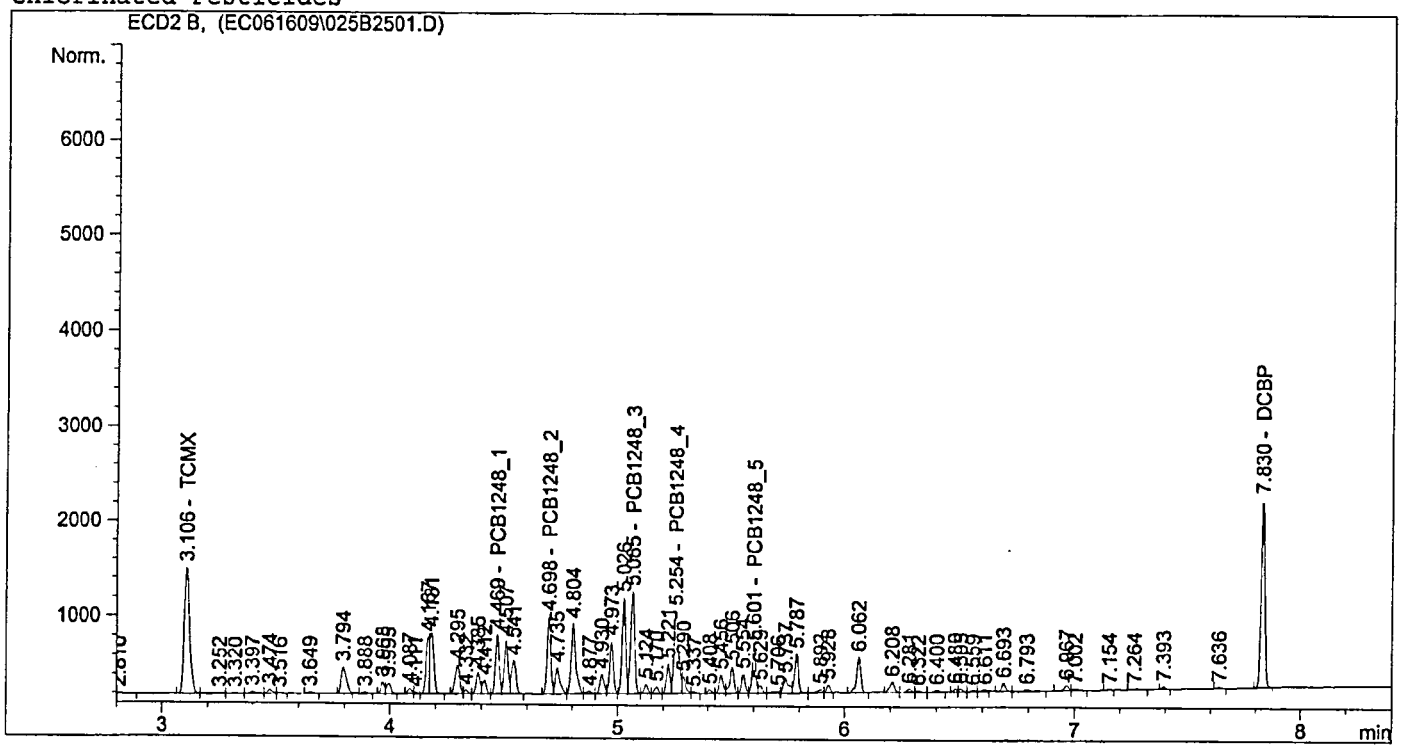
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 7:49:47 PM Seq. Line : 25
Sample Name : A1248 x200 ICAL Location : Vial 25
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VB	2148.92798	8.99228e-3	19.32375		TCMX
4.469	VV	701.99823	2.79529e-1	196.22870		PCB1248_1
4.698	PV	905.80774	2.15605e-1	195.29683		PCB1248_2
5.065	VV	1303.56958	1.49045e-1	194.29013		PCB1248_3
5.254	VV	1268.16577	1.54230e-1	195.58961		PCB1248_4
5.601	VV	535.51013	3.65858e-1	195.92075		PCB1248_5
6.887		-	-	-		DBC
7.830	BB	2213.60352	8.72560e-3	19.31501		DCBP

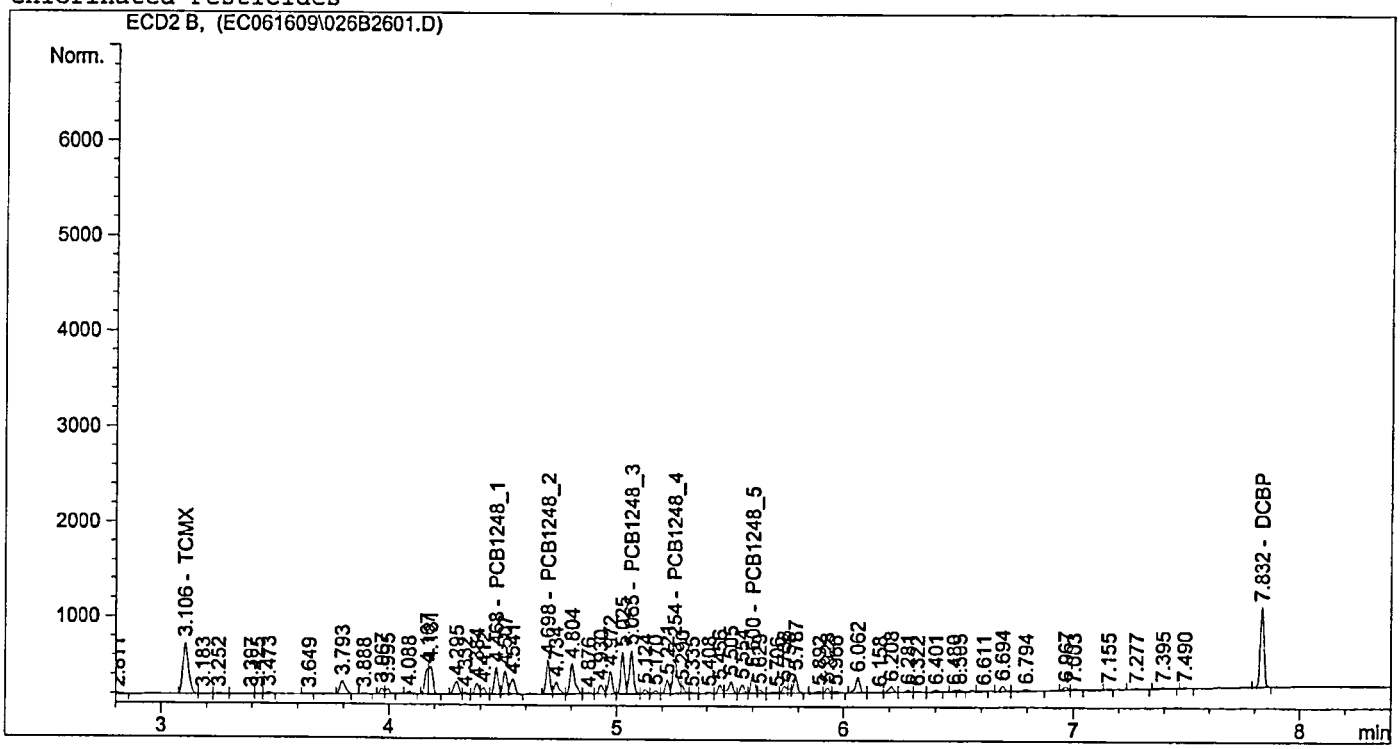
Totals : 1015.96479

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 8:02:36 PM          Seq. Line :  26
Sample Name     : A1248 x100 ICAL                Location : Vial 26
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	887.92737	1.26654e-2	11.24595		TCMX
4.468	VV	311.68481	3.47042e-1	108.16777		PCB1248_1
4.698	PV	390.62155	2.78247e-1	108.68922		PCB1248_2
5.065	VV	563.48987	1.93402e-1	108.97995		PCB1248_3
5.254	VV	539.59485	2.06885e-1	111.63432		PCB1248_4
5.600	VV	232.86835	4.79042e-1	111.55380		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	954.55786	1.16758e-2	11.14522		DCBP

BWS
6.17.09

Totals : 571.41623

Results obtained with enhanced integrator!
1 Warnings or Errors :

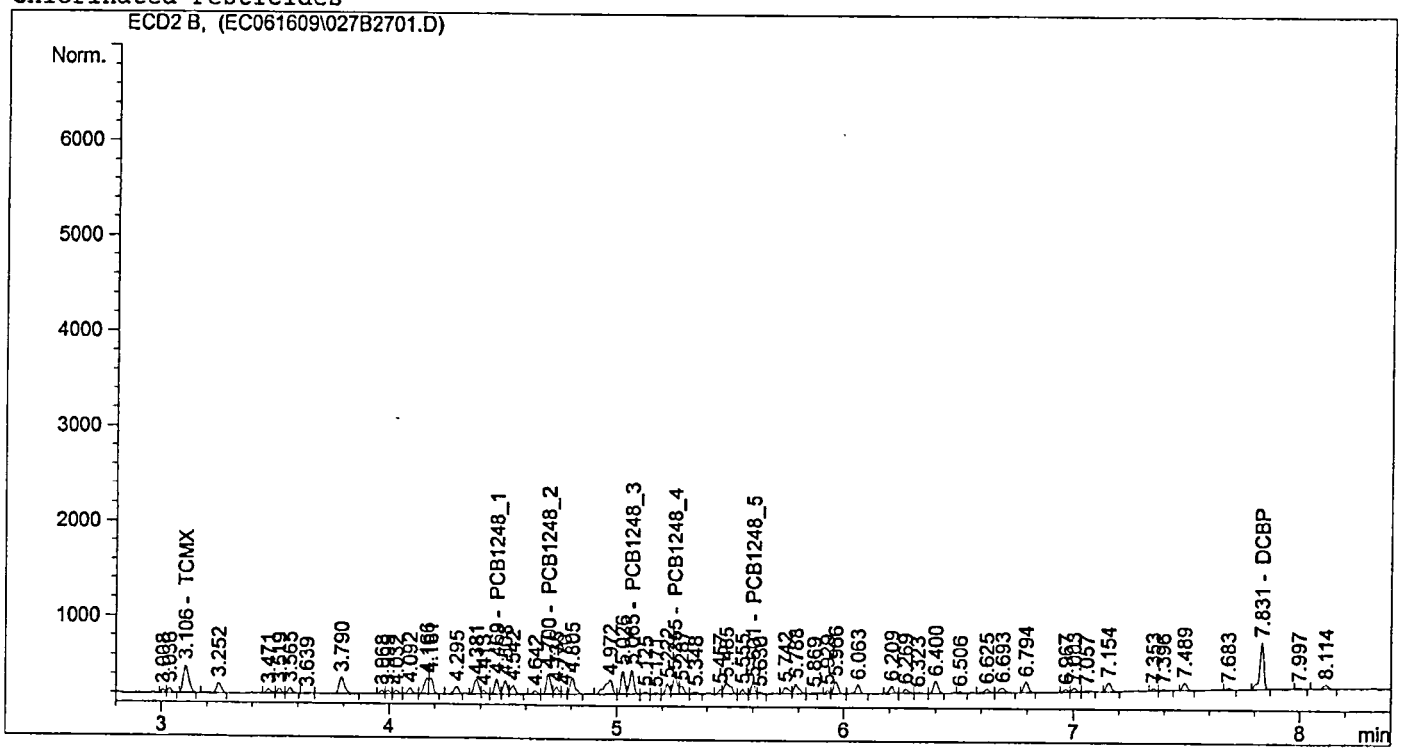
Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 8:15:37 PM
Sample Name : A1248 x40 ICAL
Acq. Operator : BWS

Seq. Line : 27
Location : Vial 27
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BP	485.29697	1.78587e-2	8.66675		TCMX
4.469	VV	180.33220	4.35488e-1	78.53252		PCB1248_1
4.700	VV	266.96121	3.29264e-1	87.90076		PCB1248_2
5.065	VV	314.85751	2.55099e-1	80.31970		PCB1248_3
5.255	VV	283.46695	2.89699e-1	82.11997		PCB1248_4
5.601	VV	125.63702	6.49976e-1	81.66109		PCB1248_5
6.887		-	-	-		DBC
7.831	BB	622.84137	1.44383e-2	8.99276		DCBP

Totals : 428.19356

BWS
6.17.09

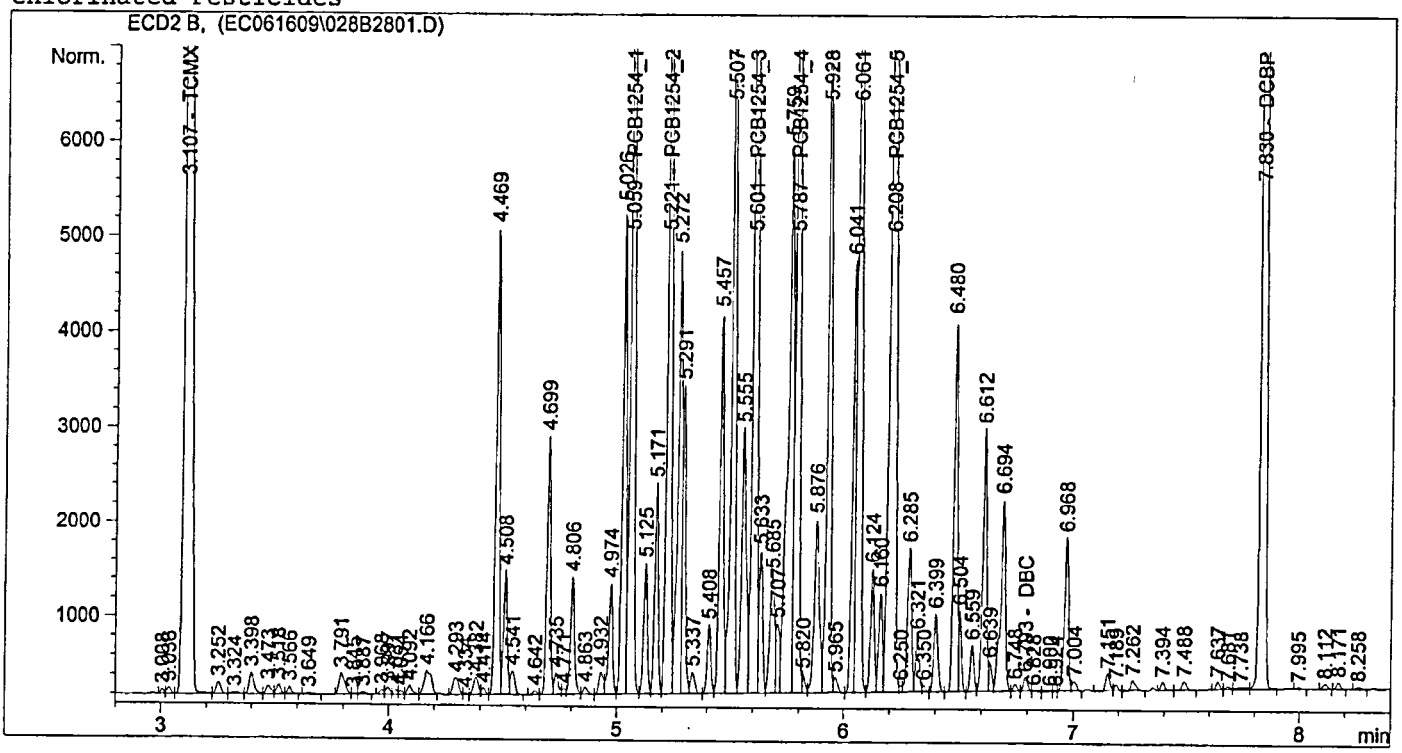
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 8:28:31 PM Seq. Line : 28
Sample Name : A1254 x2000 ICAL Location : Vial 28
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VV	2.82617e4	7.07513e-3	199.95492		TCMX
5.059	VV	1.06647e4	1.87523e-1	1999.87699		PCB1254_1
5.221	VV	1.08727e4	1.79699e-1	1953.80746		PCB1254_2
5.601	VV	1.80251e4	1.10962e-1	2000.09376		PCB1254_3
5.787	VV	1.44171e4	1.38665e-1	1999.14940		PCB1254_4
6.208	VV	1.75004e4	1.12740e-1	1973.00287		PCB1254_5
6.793	VV	171.09821	0.00000	0.00000		DBC
7.830	VB	2.85947e4	7.03720e-3	201.22627		DCBP
Totals :				1.03271e4		

BWS
6.17.09

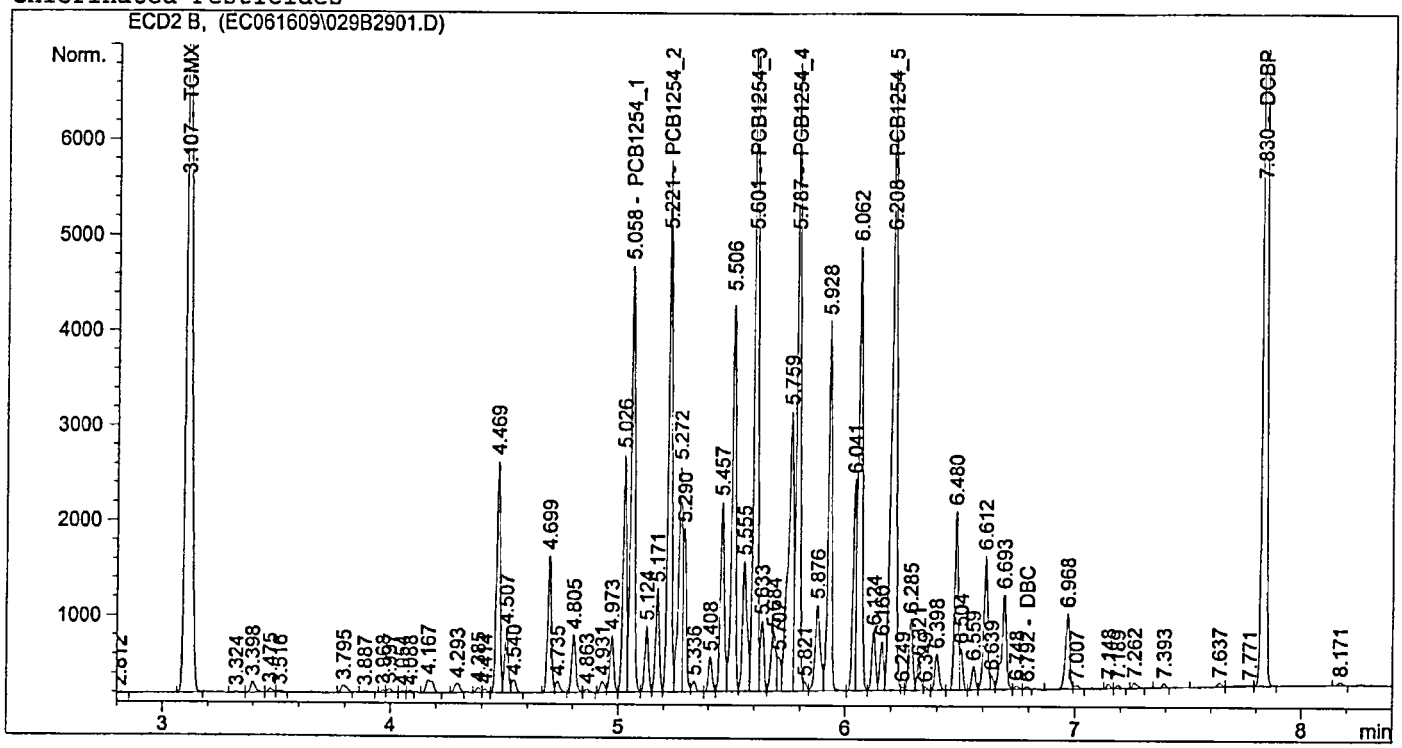
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 8:41:32 PM Seq. Line : 29
Sample Name : A1254 x1000 ICAL Location : Vial 29
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VB	1.40482e4	7.16859e-3	100.70584		TCMX
5.058	VV	5308.97803	1.88691e-1	1001.75400		PCB1254_1
5.221	VV	6097.46680	1.78618e-1	1089.11633		PCB1254_2
5.601	VV	8935.36523	1.12154e-1	1002.13848		PCB1254_3
5.787	VV	7195.55811	1.39696e-1	1005.19148		PCB1254_4
6.208	VV	9338.53711	1.12975e-1	1055.02259		PCB1254_5
6.792	VV	29.78347	0.00000	0.00000		DBC
7.830	VB	1.37947e4	7.12150e-3	98.23857		DCBP

Totals : 5352.16729

BWS
6.17.09

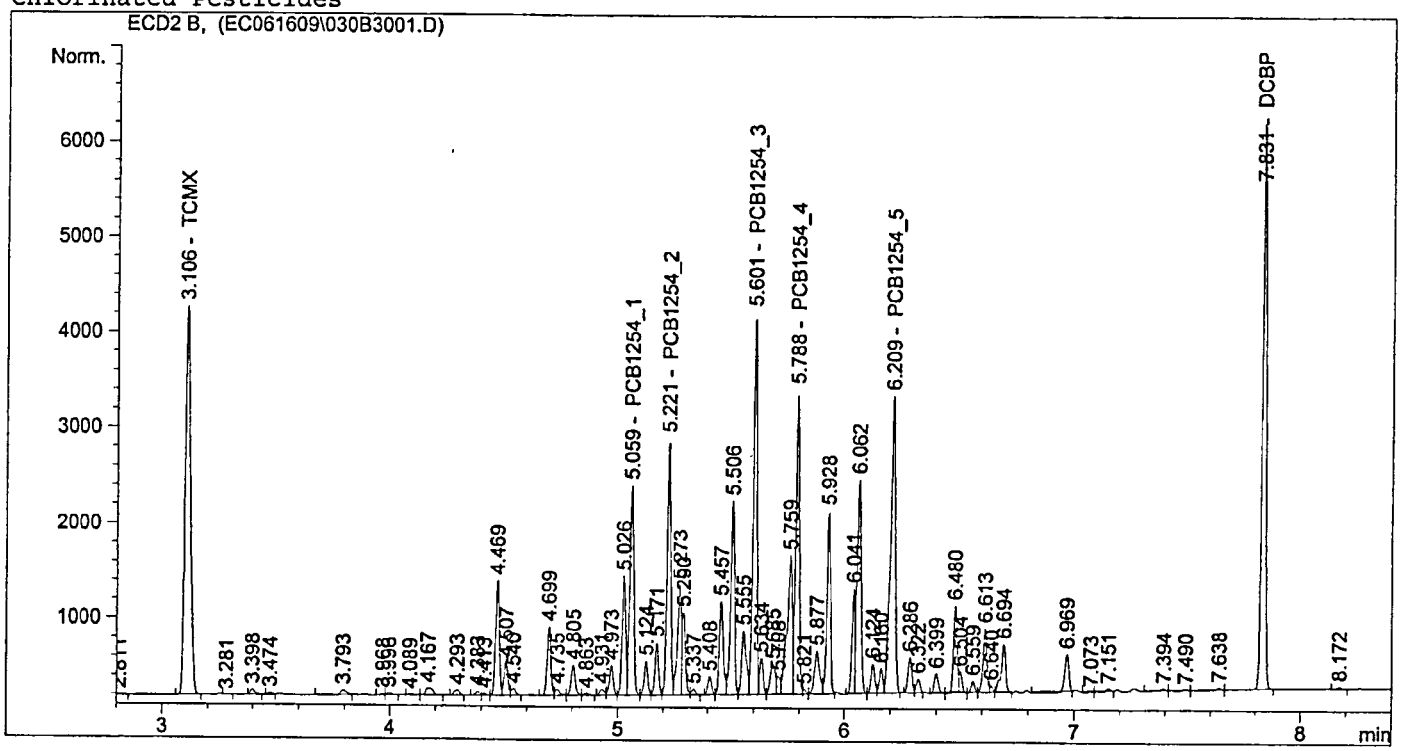
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 8:54:25 PM Seq. Line : 30
Sample Name : A1254 x500 ICAL Location : Vial 30
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	6711.31299	7.37175e-3	49.47411		TCMX
5.059	VV	2630.86133	1.91057e-1	502.64386		PCB1254_1
5.221	VV	2990.20801	1.76060e-1	526.45598		PCB1254_2
5.601	VV	4376.57861	1.14617e-1	501.62995		PCB1254_3
5.788	VV	3507.07764	1.41860e-1	497.51547		PCB1254_4
6.209	VV	4512.06494	1.13514e-1	512.18204		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	6690.64648	7.29443e-3	48.80442		DCBP

BWS
6.17.09

Totals : 2638.70584

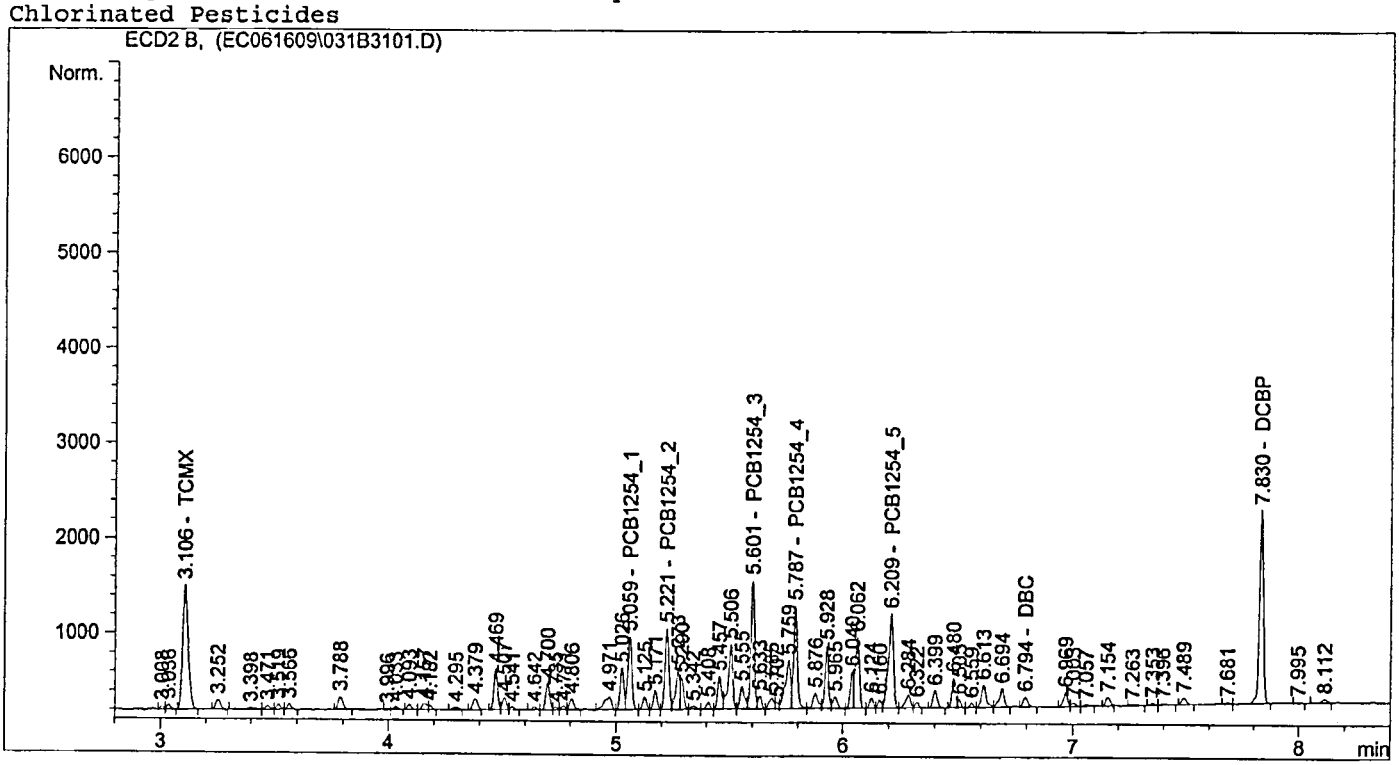
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 9:07:20 PM Seq. Line : 31
Sample Name : A1254 x200 ICAL Location : Vial 31
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	2193.94385	8.17269e-3	17.93042		TCMX
5.059	VV	926.45355	1.99686e-1	185.00005		PCB1254_1
5.221	VV	987.88354	1.65886e-1	163.87639		PCB1254_2
5.601	VV	1473.57690	1.24126e-1	182.90980		PCB1254_3
5.787	VV	1242.70264	1.49554e-1	185.85086		PCB1254_4
6.209	VV	1477.55640	1.15655e-1	170.88632		PCB1254_5
6.794	VB	145.04182	0.00000	0.00000		DBC
7.830	VB	2369.89722	7.90665e-3	18.73794		DCBP

Totals : 925.19179

BWS
6.17.09

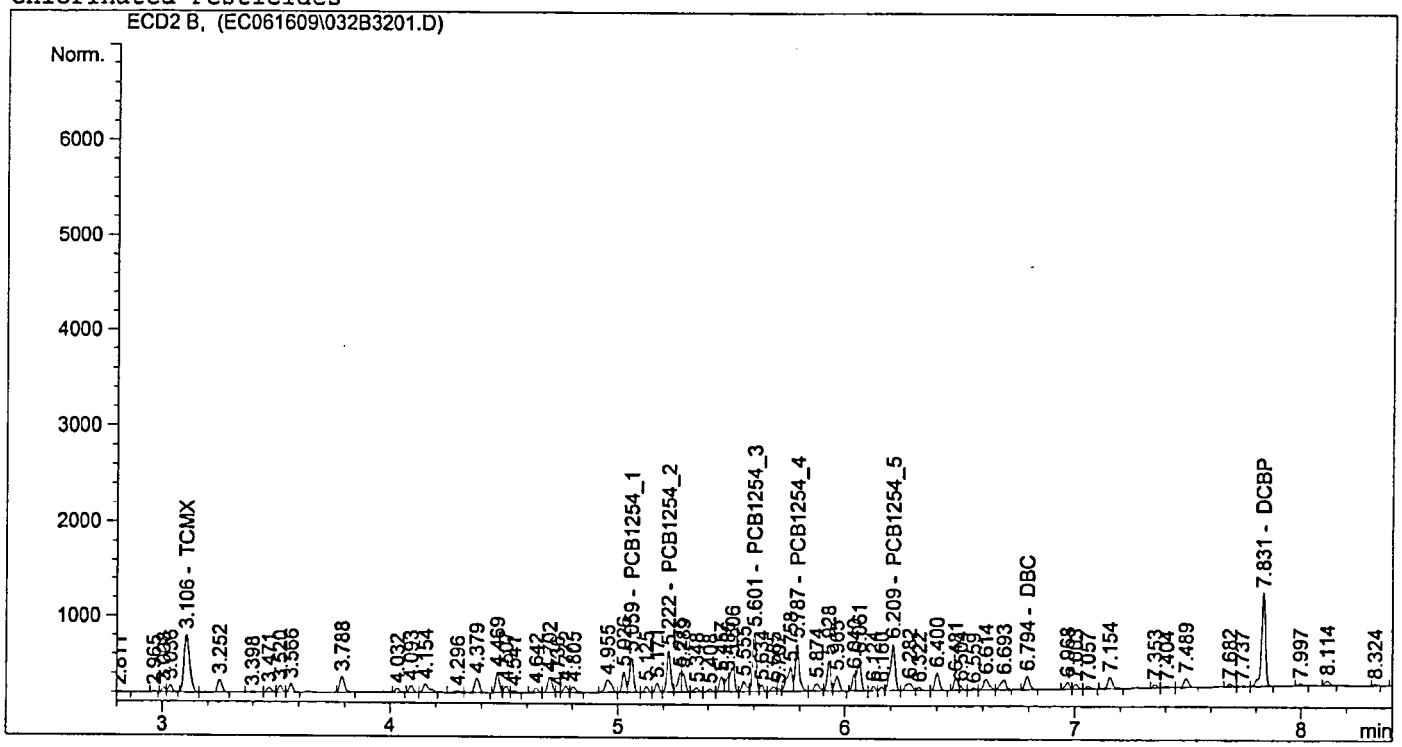
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

Injection Date : 6/16/2009 9:20:15 PM Seq. Line : 32
Sample Name : A1254 x100 ICAL Location : Vial 32
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



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External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	1019.56036	9.54332e-3	9.72999		TCMX
5.059	VV	447.20605	2.13961e-1	95.68457		PCB1254_1
5.222	VV	505.87912	1.51410e-1	76.59535		PCB1254_2
5.601	VV	680.14520	1.40851e-1	95.79905		PCB1254_3
5.787	VV	629.87061	1.61147e-1	101.50173		PCB1254_4
6.209	VV	720.91449	1.18996e-1	85.78568		PCB1254_5
6.794	VB	200.11134	0.00000	0.00000		DBC
7.831	VB	1208.52026	8.81768e-3	10.65635		DCBP

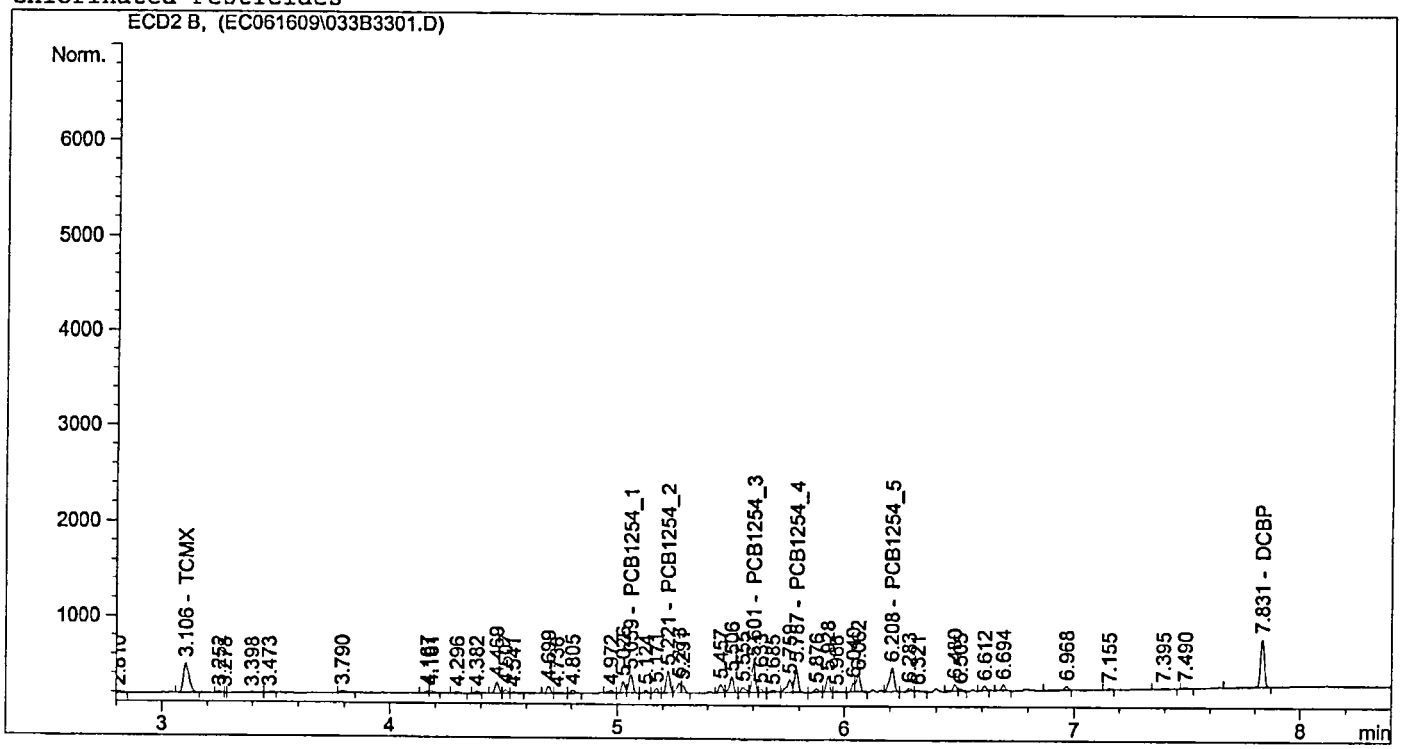
Totals : 475.75272

BWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:33:02 PM          Seq. Line :  33
Sample Name     : A1254 x40 ICAL                 Location : Vial 33
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	514.70605	1.20549e-2	6.20472		TCMX
5.059	VV	229.11891	2.40227e-1	55.04052		PCB1254_1
5.221	VV	249.37901	1.20894e-1	30.14848		PCB1254_2
5.601	VV	330.65857	1.73681e-1	57.42896		PCB1254_3
5.787	VV	261.43622	1.94277e-1	50.79106		PCB1254_4
6.208	VV	341.57239	1.26241e-1	43.12050		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	587.72308	1.07814e-2	6.33645		DCBP

BWS
6-17-09

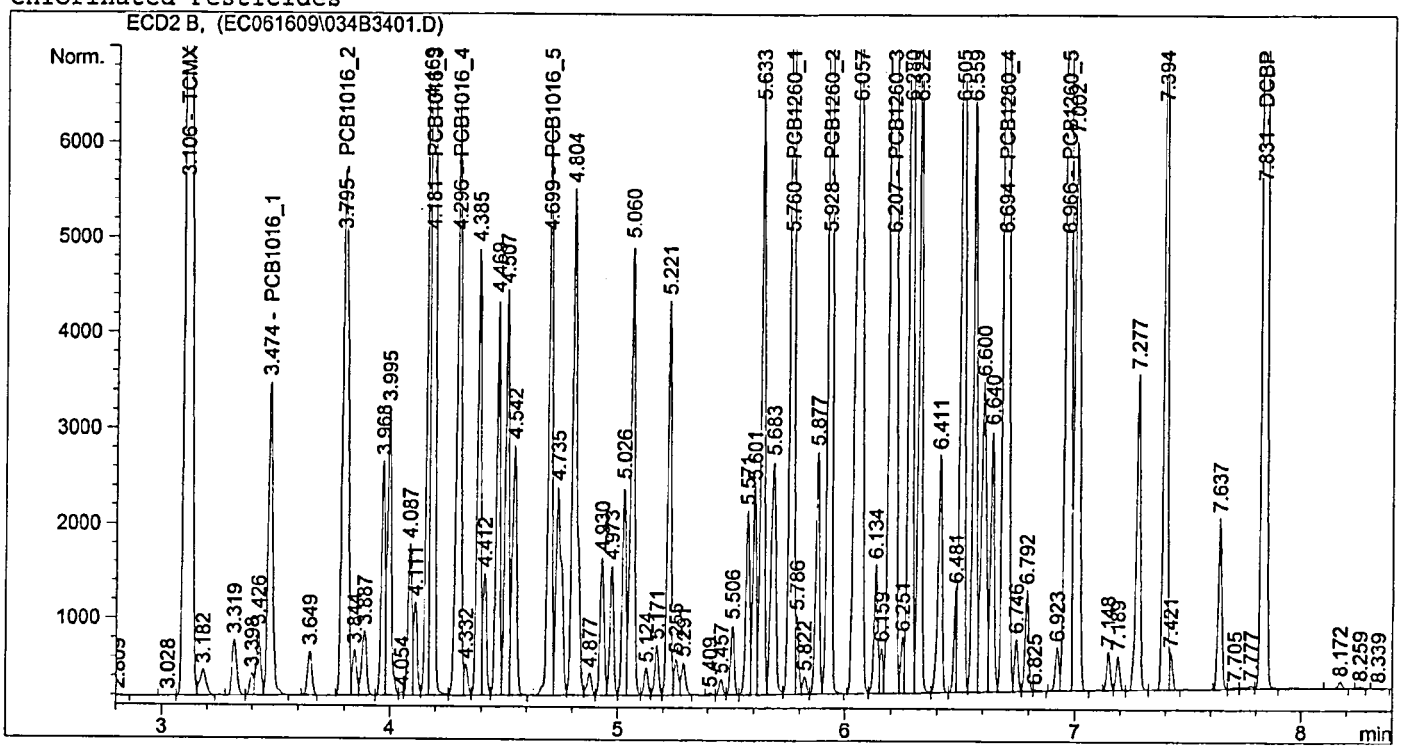
Totals : 249.07070

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:46:01 PM          Seq. Line :  34
Sample Name     : PCB x2000 ICAL                 Location : Vial 34
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:06:29 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:06:27 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

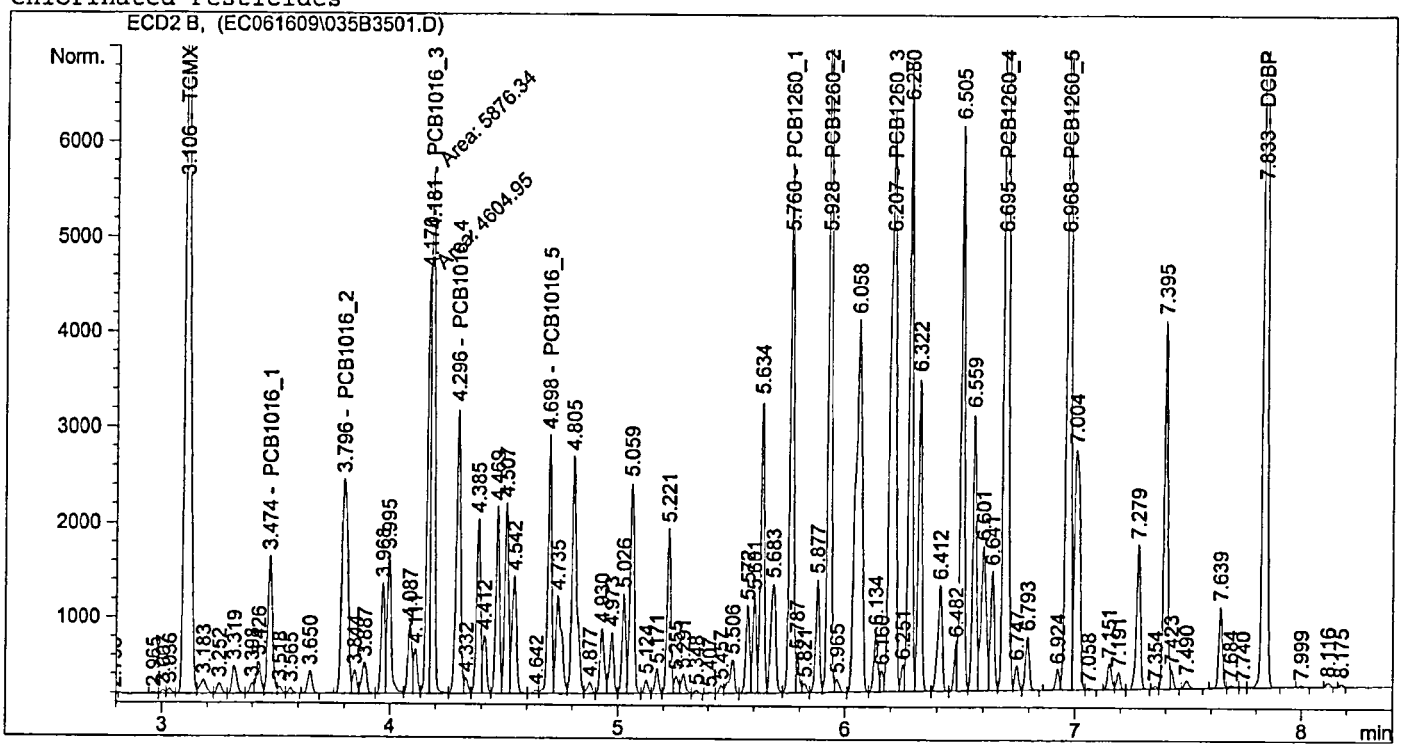
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2.94592e4	6.92505e-3	204.00623		TCMX
3.474	VB	4519.23340	4.43160e-1	2002.74428		PCB1016_1
3.795	PV	9469.86719	2.11388e-1	2001.81475		PCB1016_2
4.181	VV	1.46701e4	1.38396e-1	2030.28167		PCB1016_3
4.296	VV	8460.35547	2.38305e-1	2016.14481		PCB1016_4
4.699	VV	6825.10742	2.95084e-1	2013.97708		PCB1016_5
5.760	VV	1.36293e4	1.47790e-1	2014.27611		PCB1260_1
5.928	VB	1.90835e4	1.07837e-1	2057.90603		PCB1260_2
6.207	VV	2.42130e4	8.41678e-2	2037.95609		PCB1260_3
6.694	VV	3.69854e4	5.59014e-2	2067.53221		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	2.38040e4	8.64581e-2	2058.04726		PCB1260_5
7.831	VB	2.91817e4	6.17971e-3	180.33454		DCBP

BWS
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\035B3501.D

```
==================================================================
Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  35
Sample Name     : PCB x1000 ICAL                 Location : Vial 35
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:07:22 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides



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External Standard Report

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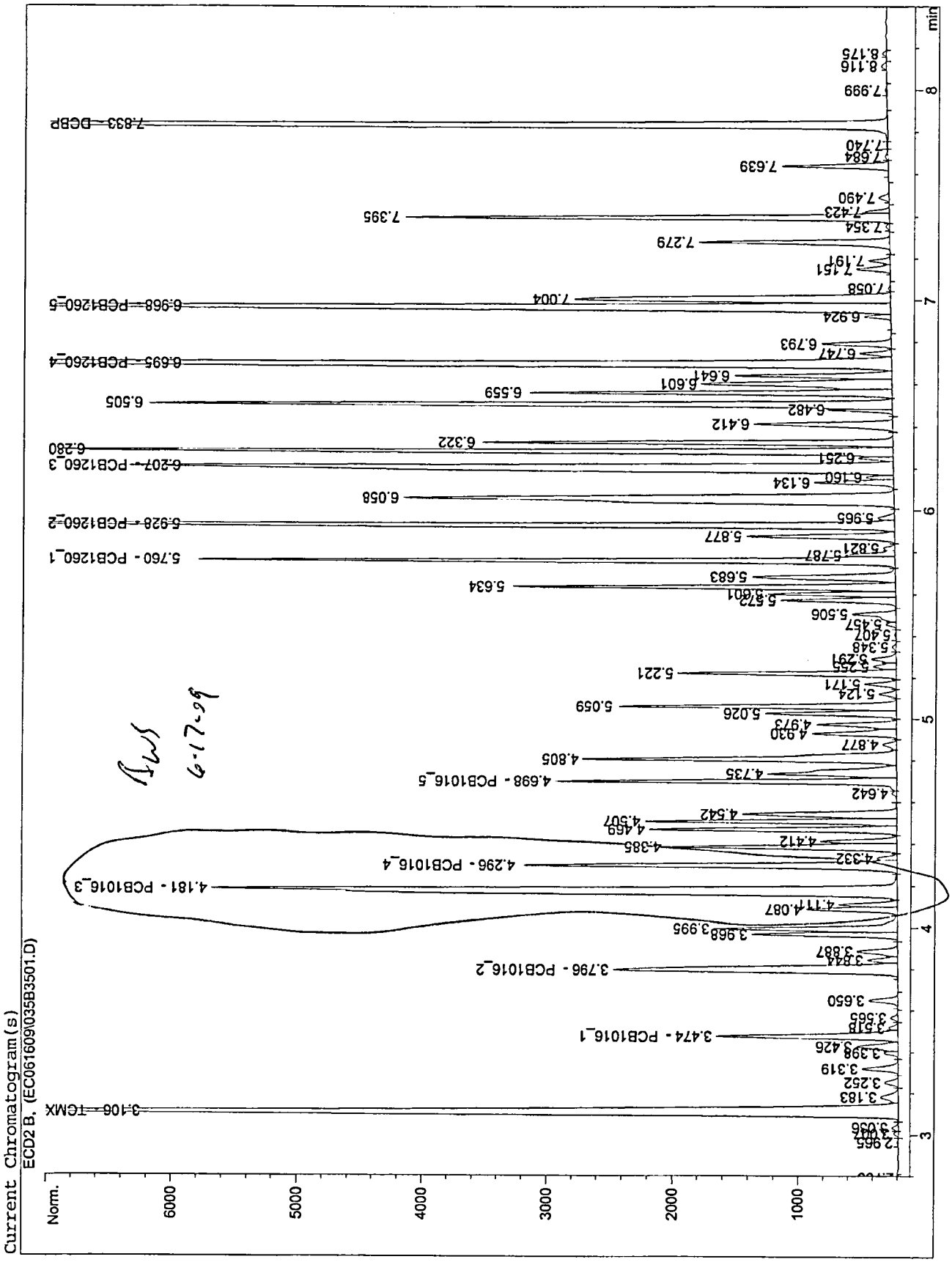
Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:07:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1.36287e4	7.07647e-3	96.44283		TCMX
3.474	VV	2033.76917	4.53075e-1	921.44899		PCB1016_1
3.796	VV	4170.35840	2.17441e-1	906.80535		PCB1016_2
4.181	FM	5876.34326	1.46526e-1	861.03867		PCB1016_3
4.296	VV	4022.45117	2.41745e-1	972.40734		PCB1016_4
4.698	VV	3104.98975	3.02309e-1	938.66590		PCB1016_5
5.760	VV	6291.23389	1.50335e-1	945.79497		PCB1260_1
5.928	VV	9044.02246	1.08669e-1	982.80589		PCB1260_2
6.207	VV	1.06166e4	8.69772e-2	923.40447		PCB1260_3
6.695	VV	1.70676e4	5.68041e-2	969.51015		PCB1260_4
6.891		-	-	-		DBC
6.968	VV	1.11218e4	8.76728e-2	975.08050		PCB1260_5
7.833	VB	1.36456e4	6.60789e-3	90.16844		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:07:22 AM BWS

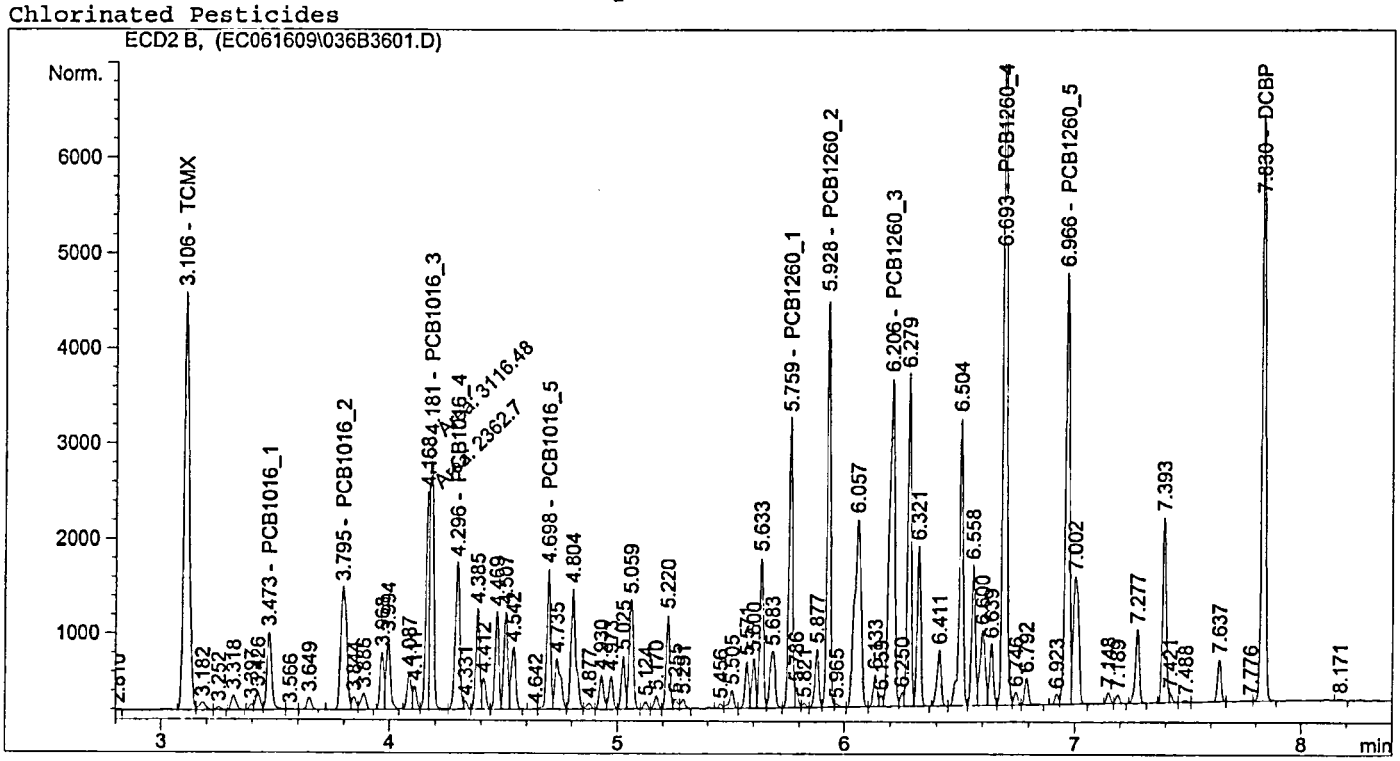

Current Chromatogram(s)
ECD2 B, (EC061609\035B3501.D)
Norm.
6000
5000
4000
3000
2000
1000
min
3
4
5
6
7
8
3.106 - TGMX
3.474 - PCB1016_1
3.796 - PCB1016_2
4.181 - PCB1016_3
4.296 - PCB1016_4
4.698 - PCB1016_5
5.760 - PCB1260_1
5.928 - PCB1260_2
6.207 - PCB1260_3
6.280
6.505
6.695 - PCB1260_4
6.968 - PCB1260_5
7.279
7.395
7.639
7.833 - DCBP

6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\036B3601.D

```
==================================================================
Injection Date  : 6/16/2009 10:11:44 PM          Seq. Line :  36
Sample Name     : PCB x500 ICAL                   Location : Vial 36
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:08:05 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

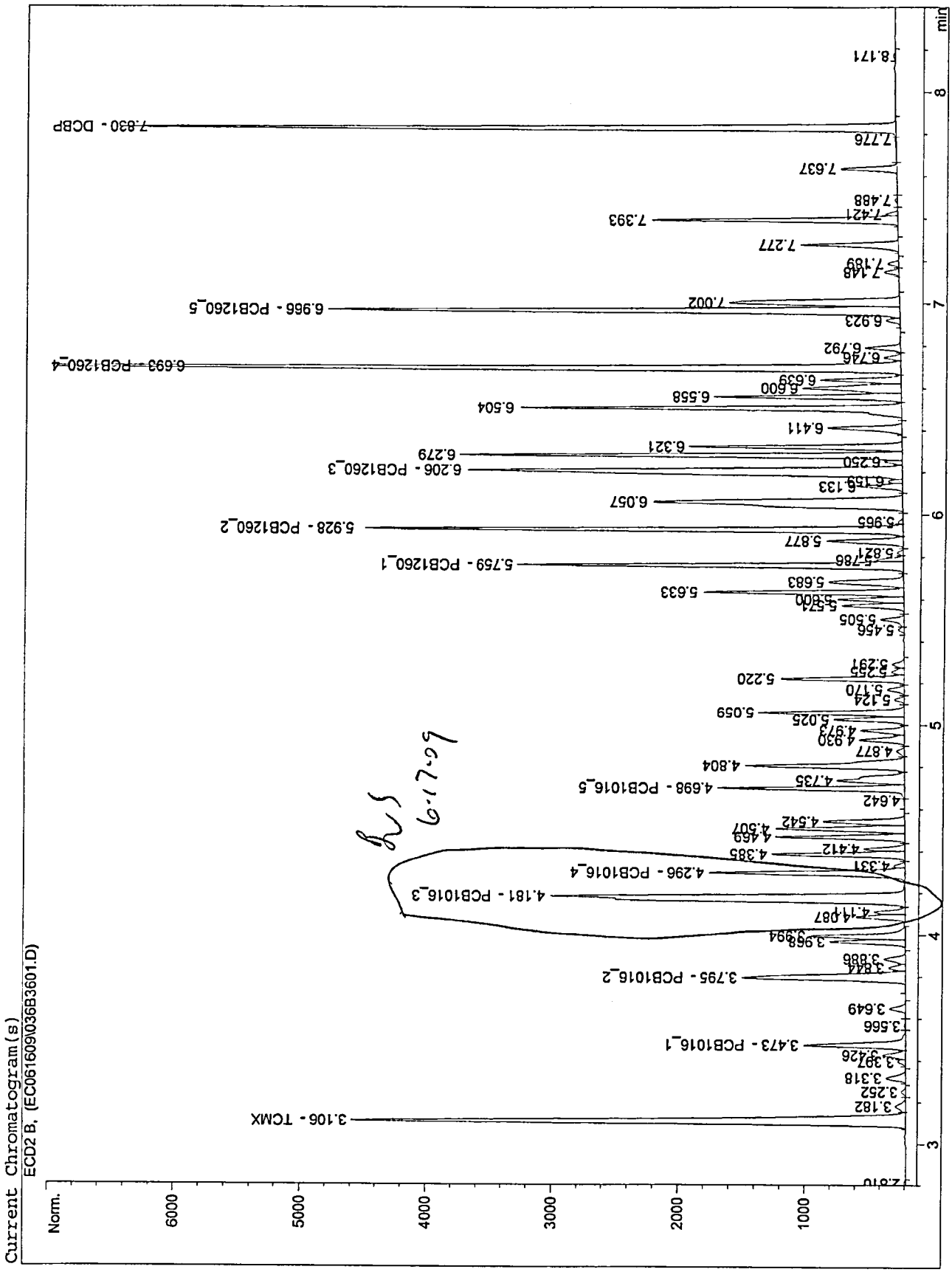
Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:08:02 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	7003.94629	7.20672e-3	50.47550		TCMX
3.473	VV	1173.99915	4.48251e-1	526.24666		PCB1016_1
3.795	BV	2337.43018	2.17472e-1	508.32606		PCB1016_2
4.181	FM	3116.47534	1.53470e-1	478.28481		PCB1016_3
4.296	VV	2094.15796	2.42120e-1	507.03773		PCB1016_4
4.698	VV	1677.99841	3.03838e-1	509.83950		PCB1016_5
5.759	VV	3357.37085	1.51005e-1	506.97811		PCB1260_1
5.928	VV	4654.07275	1.09539e-1	509.80197		PCB1260_2
6.206	VV	5743.00488	8.85477e-2	508.52996		PCB1260_3
6.693	VV	8792.44434	5.78925e-2	509.01700		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	5652.14844	8.91801e-2	504.05910		PCB1260_5
7.830	VB	6917.99902	6.66835e-3	46.13166		DCBP

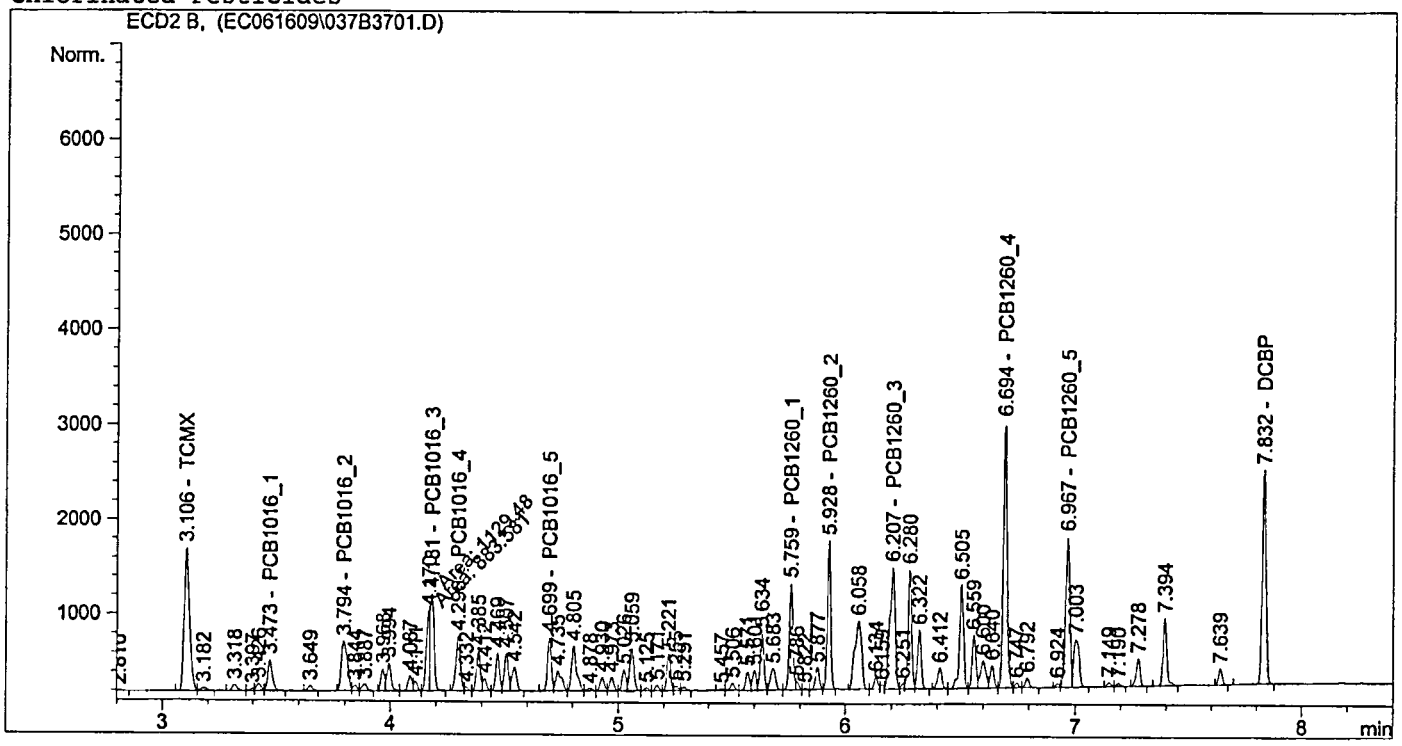
BWS
6.17.09

ECD2 6/17/2009 10:08:05 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\036B3601.D)
Norm.
6000
5000
4000
3000
2000
1000
min
3
4
5
6
7
8
3.106 - TCMX
3.473 - PCB1016_1
3.795 - PCB1016_2
4.181 - PCB1016_3
4.296 - PCB1016_4
4.698 - PCB1016_5
5.759 - PCB1260_1
5.928 - PCB1260_2
6.206 - PCB1260_3
6.693 - PCB1260_4
6.966 - PCB1260_5
7.830 - DCBP
6.6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\037B3701.D

```
==================================================================
Injection Date  : 6/16/2009 10:24:44 PM          Seq. Line :  37
Sample Name     : PCB x200 ICAL                   Location : Vial 37
Acq. Operator   : BWS                                 Inj :   1
                                                 Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET-1\PCBR.M
Last changed    : 6/17/2009 10:10:01 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:10:00 AM
Multiplier             :      1.0000
Dilution               :      1.0000

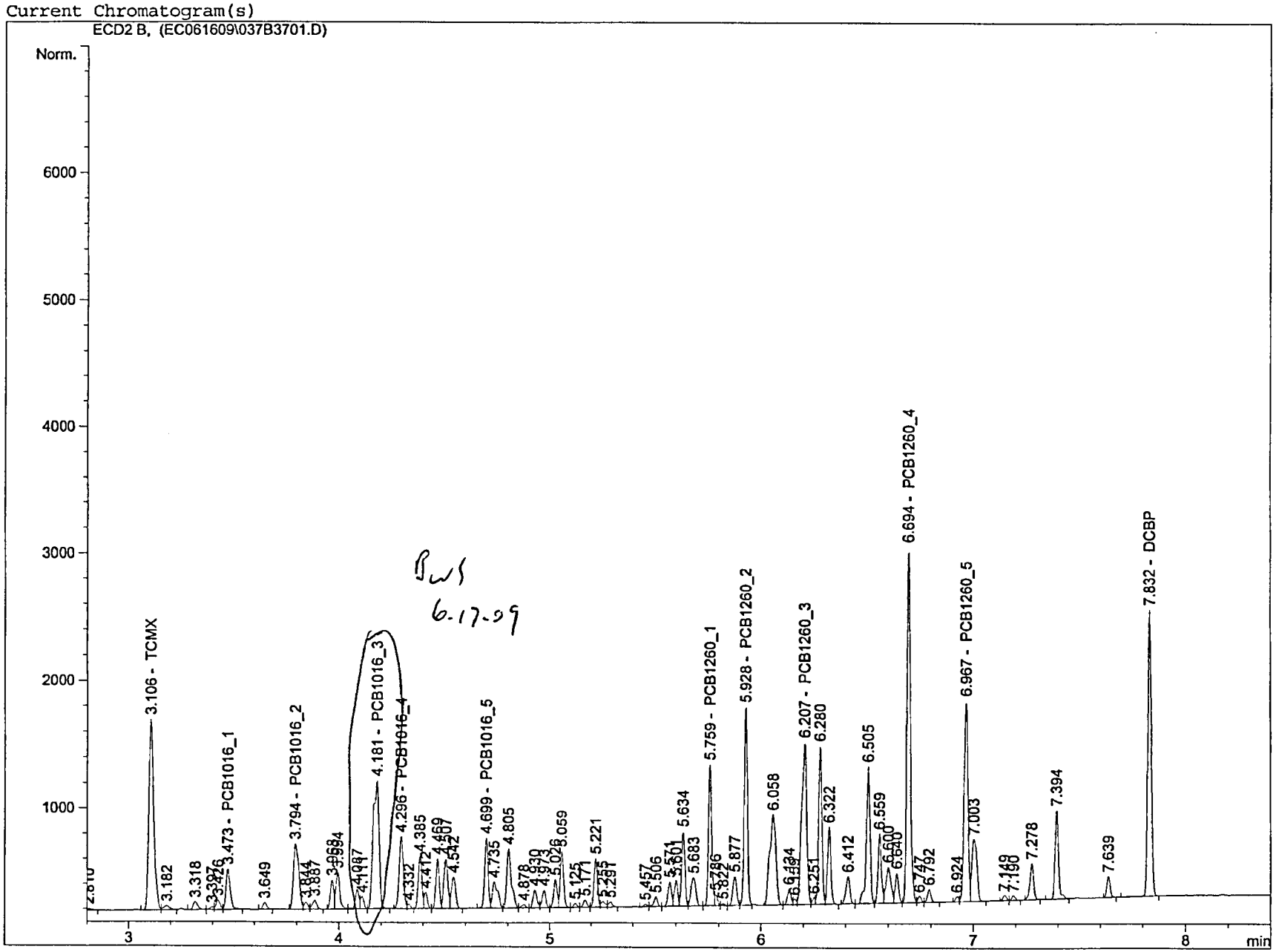
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2459.41650	7.98155e-3	19.62996		TCMX
3.473	VB	459.35840	4.55209e-1	209.10389		PCB1016_1
3.794	BV	925.94446	2.27040e-1	210.22643		PCB1016_2
4.181	FM	1129.47510	1.84501e-1	208.38960		PCB1016_3
4.296	BV	785.00928	2.52392e-1	198.12976		PCB1016_4
4.699	BV	634.24420	3.20572e-1	203.32064		PCB1016_5
5.759	VV	1251.00183	1.59135e-1	199.07828		PCB1260_1
5.928	VV	1690.69934	1.17110e-1	197.99704		PCB1260_2
6.207	VV	2103.30566	9.77195e-2	205.53395		PCB1260_3
6.694	VV	3117.92969	6.42428e-2	200.30467		PCB1260_4
6.891		-	-	-		DBC
6.967	VV	2021.84827	9.79173e-2	197.97387		PCB1260_5
7.832	BB	2527.29541	7.09127e-3	17.92173		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:10:01 AM BWS

Print of window 38: Current Chromatogram(s)

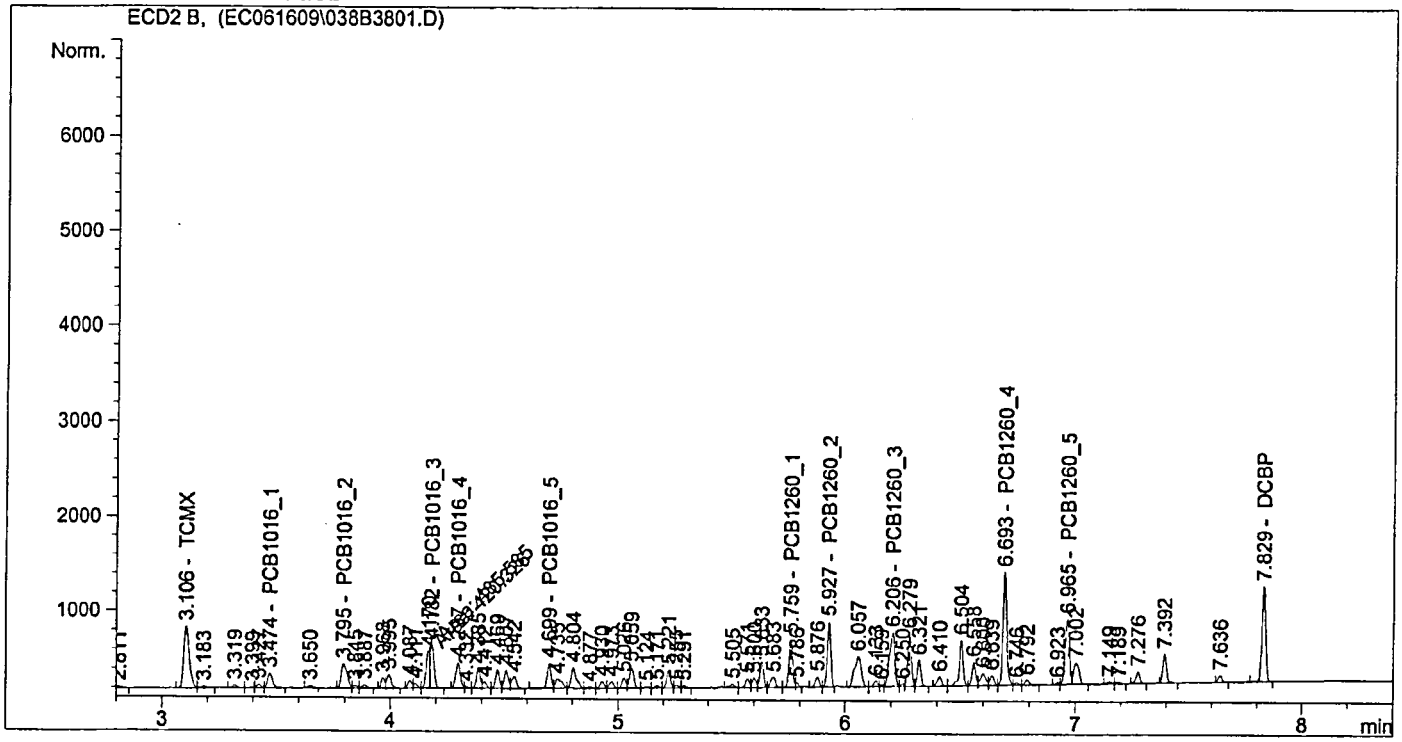


ECD2 6/17/2009 10:08:23 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\038B3801.D

```
==================================================================
Injection Date  : 6/16/2009 10:37:35 PM          Seq. Line :  38
Sample Name     : PCB x100 ICAL                   Location : Vial 38
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:10:50 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides



==========

External Standard Report

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```
Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:10:48 AM
Multiplier             :      1.0000
Dilution               :      1.0000
```

Signal 1: ECD2 B,

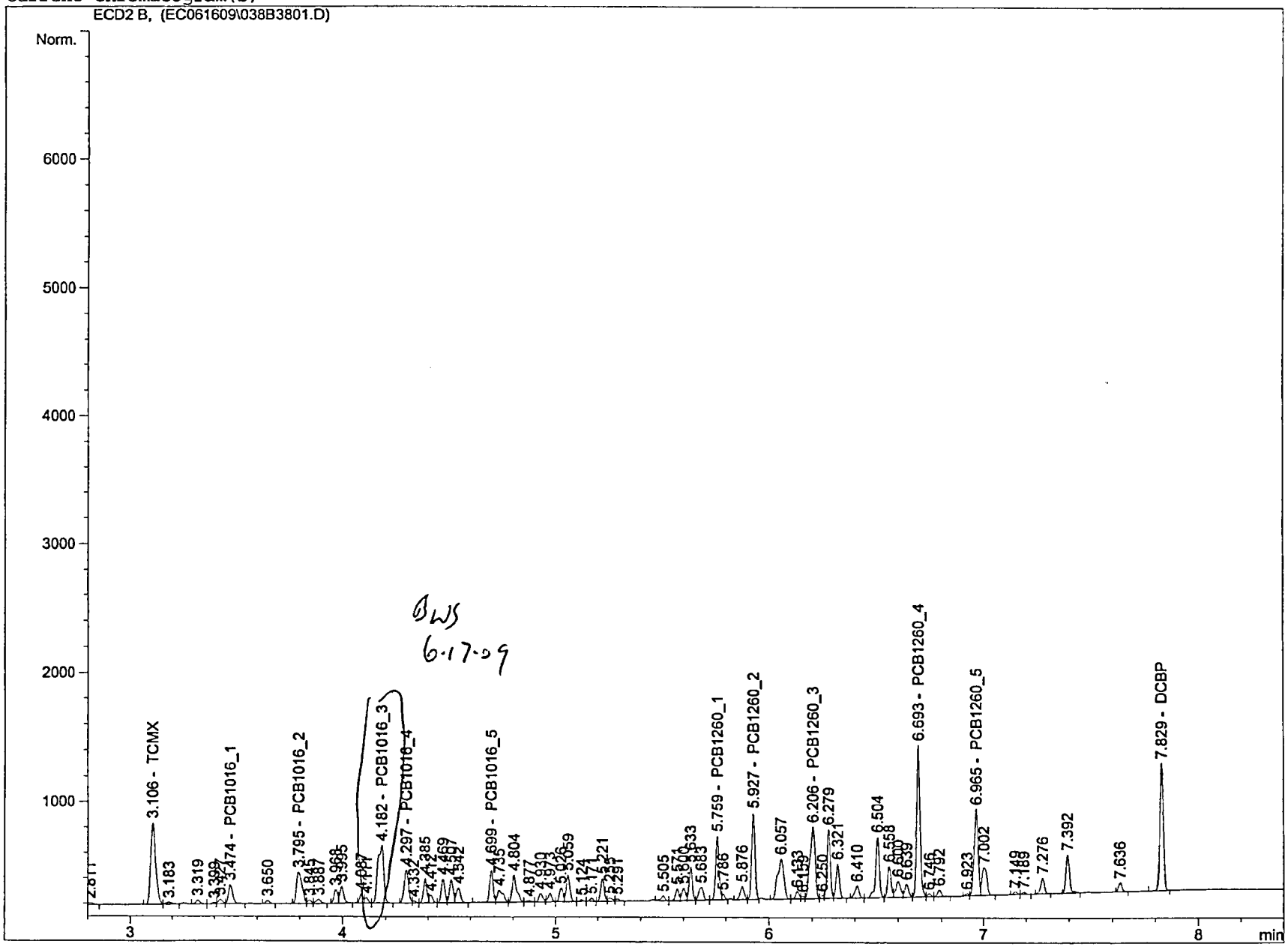
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1060.00964	9.47053e-3	10.03885		TCMX
3.474	VB	217.42149	4.56579e-1	99.27014		PCB1016_1
3.795	BV	437.29282	2.40067e-1	104.97947		PCB1016_2
4.182	FM	485.58514	2.49460e-1	121.13418		PCB1016_3
4.297	BV	360.85504	2.68497e-1	96.88843		PCB1016_4
4.699	BV	295.44028	3.46344e-1	102.32409		PCB1016_5
5.759	VV	561.53314	1.74475e-1	97.97337		PCB1260_1
5.927	VV	743.89374	1.30403e-1	97.00615		PCB1260_2
6.206	VV	927.62262	1.14883e-1	106.56771		PCB1260_3
6.693	VV	1324.98889	7.63427e-2	101.15317		PCB1260_4
6.891		-	-	-		DBC
6.965	VV	870.44684	1.14817e-1	99.94177		PCB1260_5
7.829	BB	1119.47693	8.34984e-3	9.34745		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:10:50 AM BWS

Print of window 38: Current Chromatogram(s)

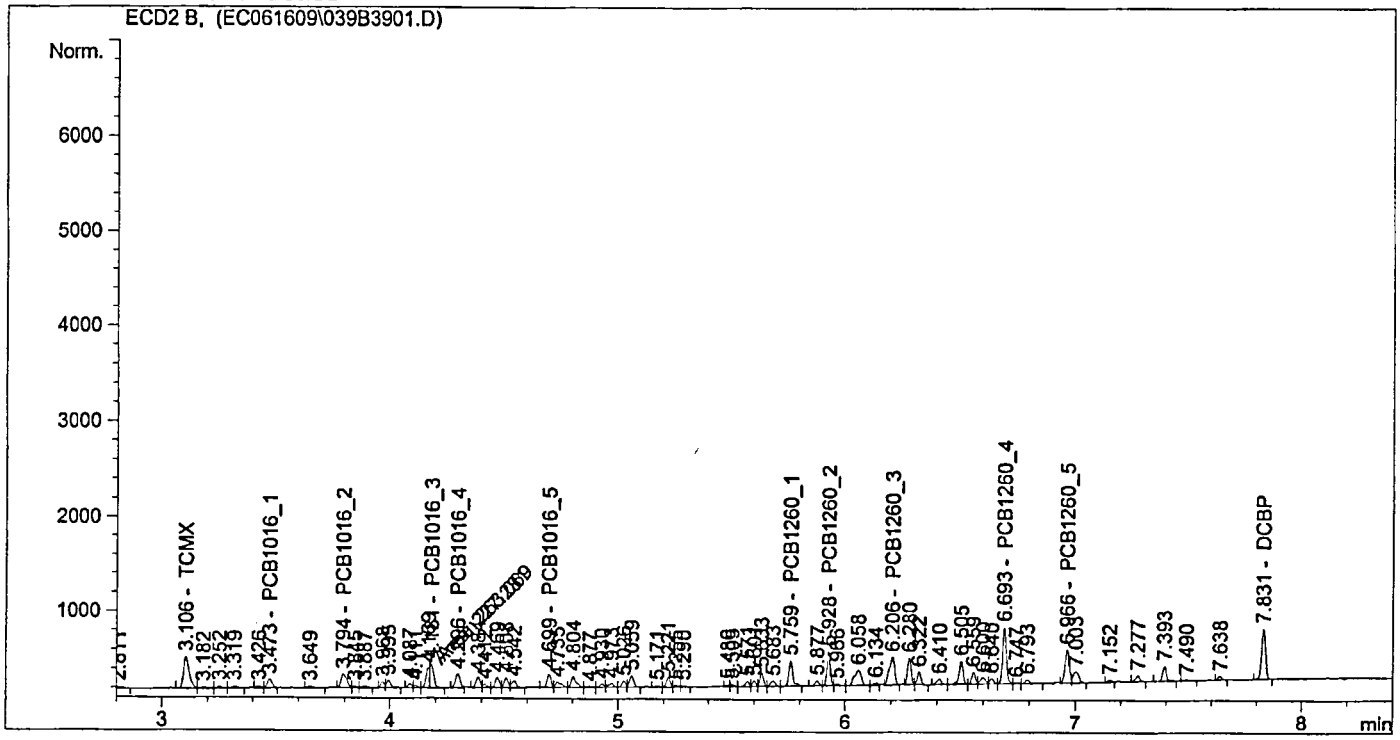
Current Chromatogram(s)



ECD2 6/17/2009 10:10:29 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\039B3901.D

```
==================================================================
Injection Date  : 6/16/2009 10:50:29 PM          Seq. Line :  39
Sample Name     : PCB x40 ICAL                    Location : Vial 39
Acq. Operator   : BWS                                 Inj :   1
                                                 Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:11:41 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:11:39 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

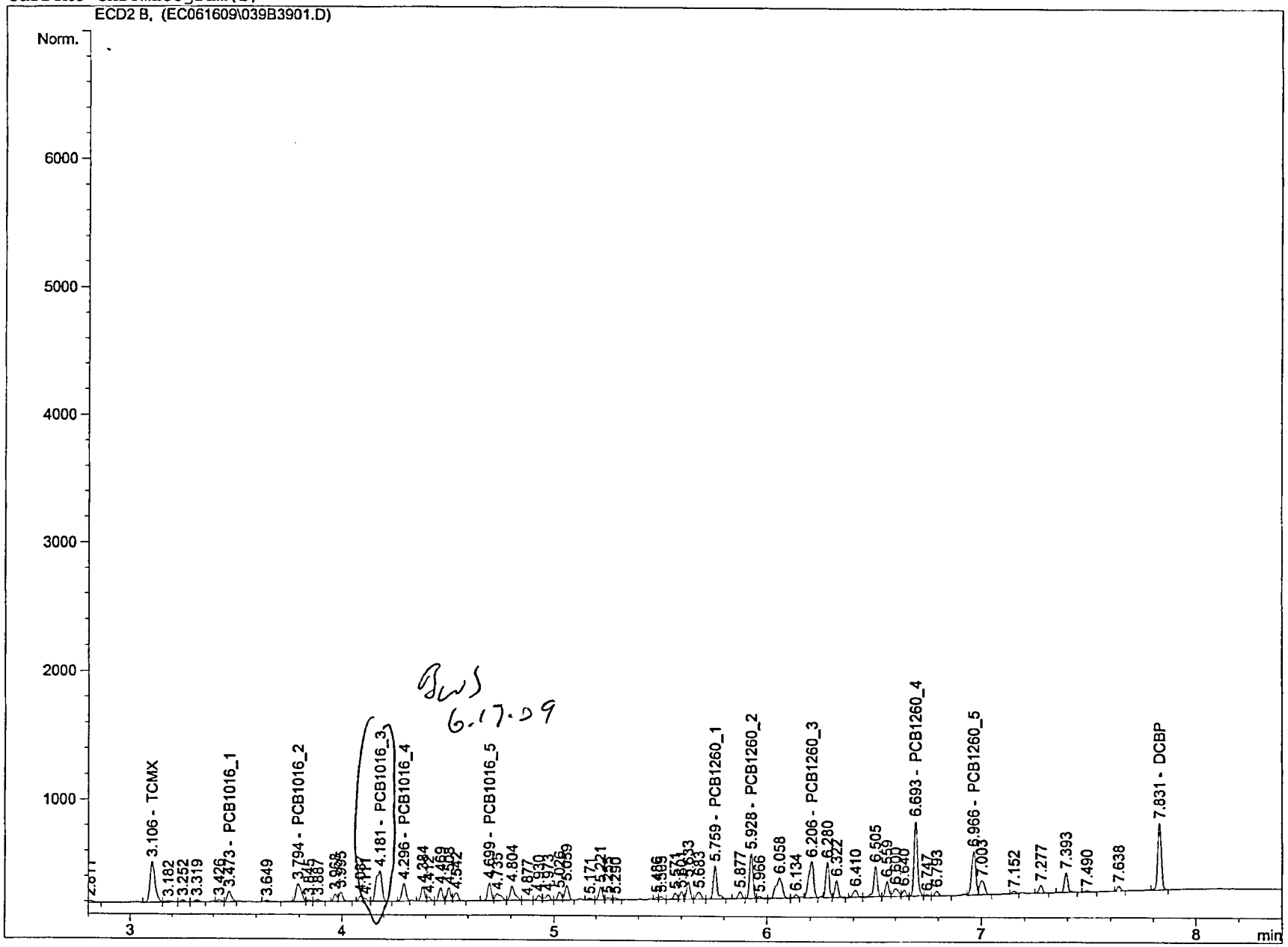
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	548.72662	1.20299e-2	6.60113		TCMX
3.473	VV	121.06745	4.56623e-1	55.28216		PCB1016_1
3.794	BV	251.36978	2.58563e-1	64.99505		PCB1016_2
4.181	FM	263.06857	3.48380e-1	91.64781		PCB1016_3
4.296	BV	195.81090	2.95069e-1	57.77769		PCB1016_4
4.699	VV	160.03806	3.89192e-1	62.28561		PCB1016_5
5.759	VV	317.76819	1.96374e-1	62.40140		PCB1260_1
5.928	VV	382.41440	1.54962e-1	59.25959		PCB1260_2
6.206	VV	472.35635	1.46152e-1	69.03575		PCB1260_3
6.693	VV	666.49261	9.75963e-2	65.04720		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	445.24323	1.44457e-1	64.31850		PCB1260_5
7.831	BB	608.79004	1.07789e-2	6.56211		DCBP

RW
6-17-09

ECD2 6/17/2009 10:11:41 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)



ECD2 6/17/2009 10:11:16 AM BWS

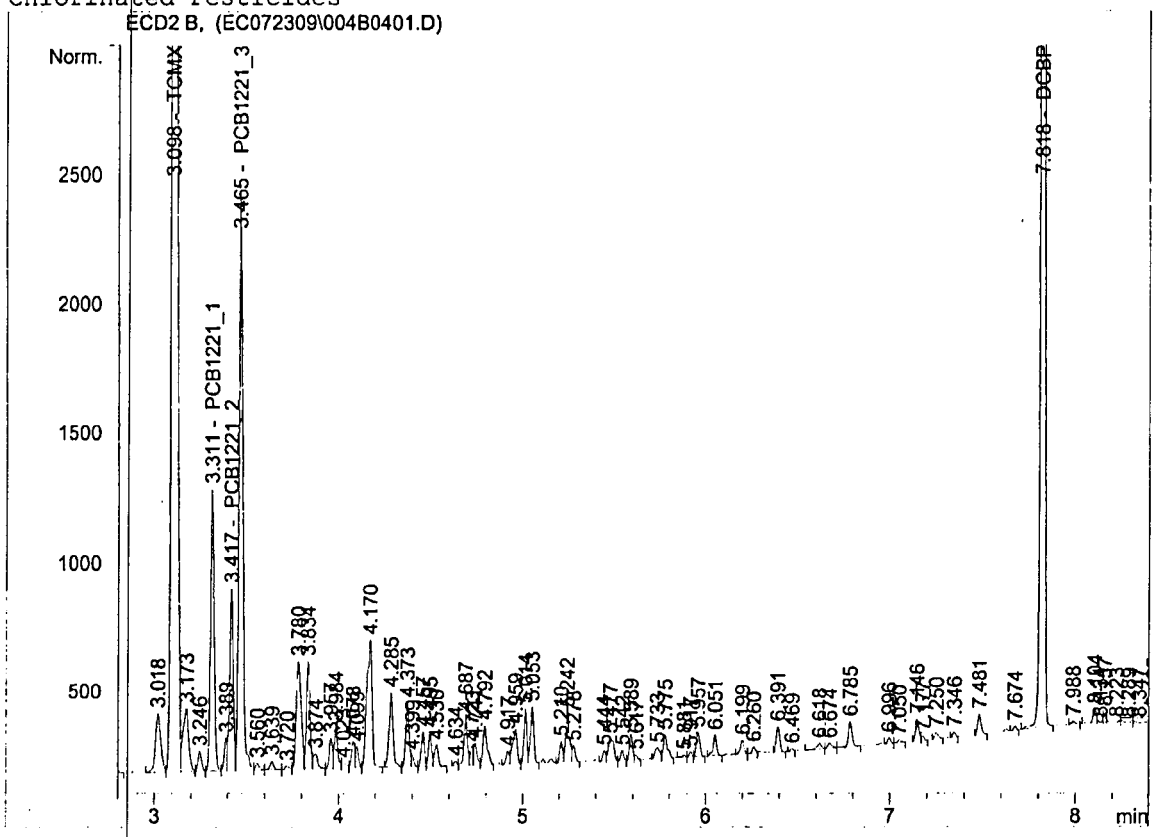
8082 CVS Raw Data

PCB Calibration Verification Summary

Sample ID:	CVS-1221-1000	Date:	23-Jul-09 09:05
Instrument ID:	ECD2	ICAL Reference Date:	6/16/2009
		Column:	Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1221	1	3.31052	3.28052	3.34052	1068.165781	1050.964059	-5.10
	2	3.4173	3.3873	3.4473	1074.169954		
	3	3.46493	3.43493	3.49493	1010.556442		
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

```
==================================================================
Injection Date  : 7/23/2009 9:05:59 AM          Seq. Line :   4
Sample Name     : cvs-1221-1000                  Location : Vial 4
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072309\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/22/2009 9:37:20 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

7/23

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.098	VV	1.54933e4	6.87035e-3	106.44463		TCMX
3.311	VV	1510.43213	7.07192e-1	1068.16578		PCB1221_1
3.417	VV	974.32538	1.10248	1074.16995		PCB1221_2
3.465	VV	3420.56519	2.95436e-1	1010.55644		PCB1221_3
6.890		-	-	-		DBC
7.818	BB	1.62068e4	6.82242e-3	110.56933		DCBP

Totals : 3369.90614

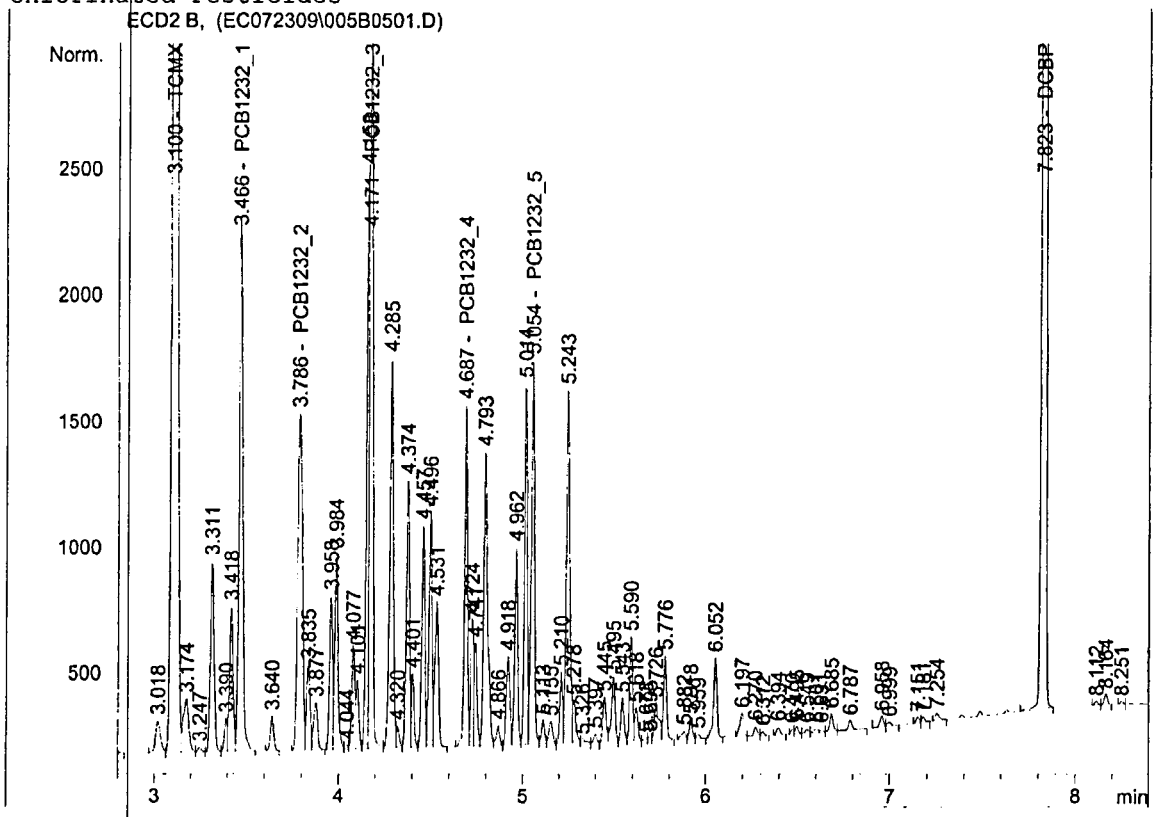
Results obtained with enhanced integrator!

PCB Calibration Verification Summary

Sample ID: CVS-1232-1000
Instrument ID: ECD2
Date: 23-Jul-09 09:18
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1232	1	3.46586	3.43586	3.49586	1073.335036	1085.023238	-8.50
	2	3.78567	3.75567	3.81567	1038.885592		
	3	4.17114	4.14114	4.20114	1142.839545		
	4	4.68715	4.65715	4.71715	1077.851939		
	5	5.05408	5.02408	5.08408	1092.204081		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

```
==================================================================
Injection Date  : 7/23/2009 9:18:56 AM          Seq. Line :   5
Sample Name     : cvs-1232-1000                  Location : Vial 5
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072309\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/22/2009 9:38:06 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.100	VV	1.59588e4	6.76492e-3	107.96022		TCMX
3.466	VB	3051.29956	3.51763e-1	1073.33504		PCB1232_1
3.786	VV	2436.14429	4.26447e-1	1038.88559		PCB1232_2
4.171	VV	3786.12964	3.01849e-1	1142.83954		PCB1232_3
4.687	PV	1535.22852	7.02079e-1	1077.85194		PCB1232_4
5.054	VV	1850.19312	5.90319e-1	1092.20408		PCB1232_5
6.889		-	-	-		DBC
7.823	BB	1.66665e4	6.75165e-3	112.52636		DCBP
Totals :				5645.60277		

PCB Calibration Verification Summary

Sample ID: CVS-1242-1000
Instrument ID: ECD2

Date: 23-Jul-09 10:24
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1242	1	3.49012	3.46012	3.52012	965.9175935	991.6471024	0.835
	2	3.81267	3.78267	3.84267	926.6569441		
	3	4.19825	4.16825	4.22825	980.2043804		
	4	4.71214	4.68214	4.74214	1031.900163		
	5	5.07637	5.04637	5.10637	1053.556431		
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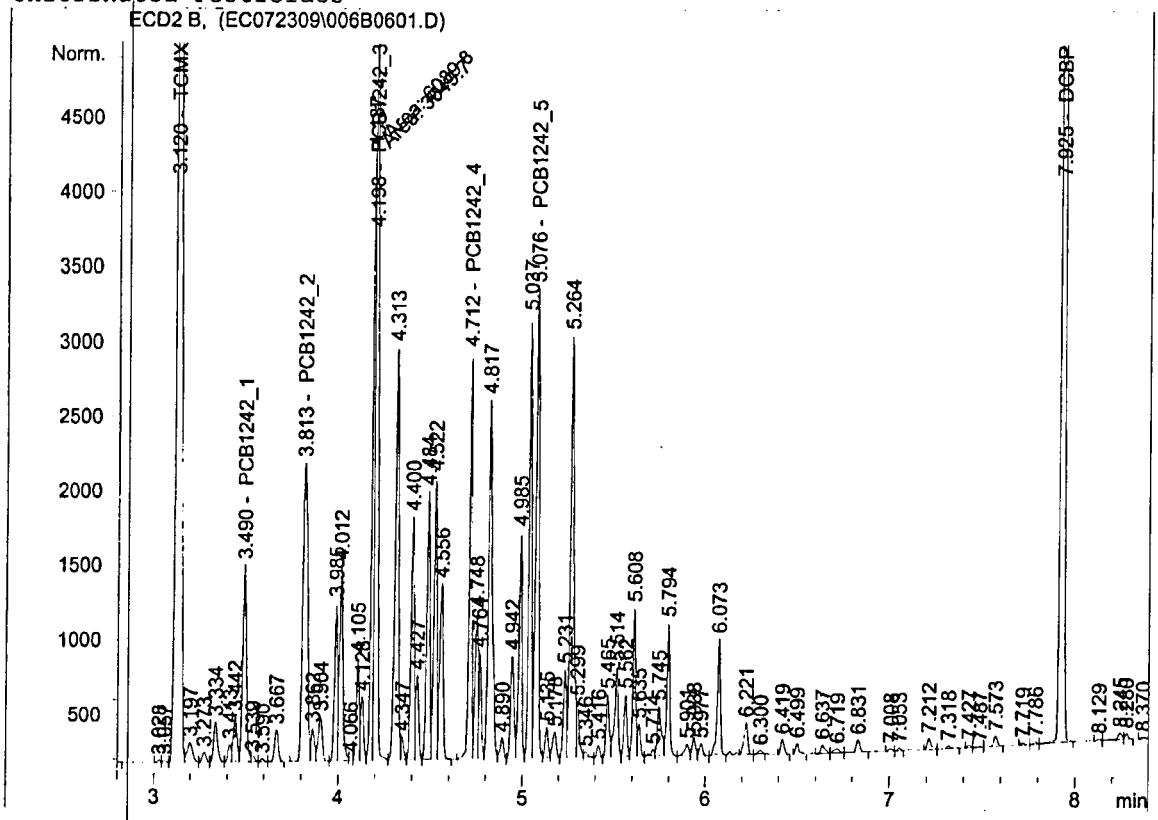
==================================================================
Injection Date  : 7/23/2009 10:24:21 AM          Seq. Line :   6
Sample Name     : cvs-1242-1000                   Location : Vial 6
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072309\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 7/26/2009 9:08:16 PM by BWS
                  (modified after loading)
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/26/2009 9:08:03 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

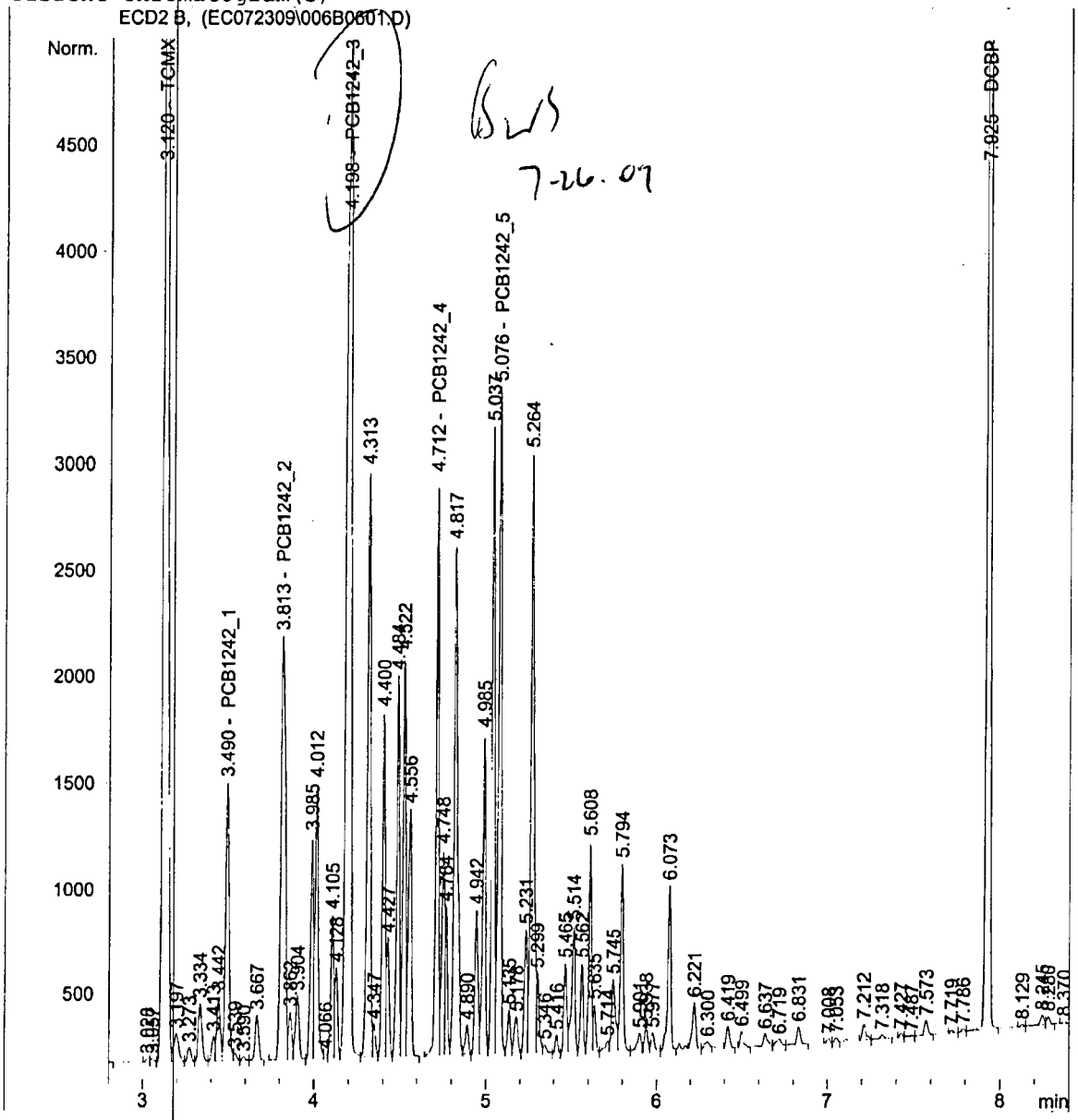
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.120	VV	1.45588e4	6.96793e-3	101.44493		TCMX
3.490	VV	1924.40381	5.01931e-1	965.91759		PCB1242_1
3.813	BV	3704.43311	2.50148e-1	926.65694		PCB1242_2
4.198	FM	6089.79687	1.60958e-1	980.20438		PCB1242_3
4.712	VV	3029.74414	3.40590e-1	1031.90016		PCB1242_4
5.076	VV	3735.91943	2.82007e-1	1053.55643		PCB1242_5
6.888		-	-	-		DBC
7.925	VB	1.43766e4	7.01360e-3	100.83195		DCBP
Totals :				5160.51238		

BWS
7-26-09

Print of all graphic windows
Current Chromatogram(s)

ECD2 B, (EC072309\006B0601.D)



BWS
7-26-09

ECD2 7/26/2009 9:09:08 PM BWS

Page 1 of 1

PCB Calibration Verification Summary

Sample ID:	CVS-1248-1000	Date:	23-Jul-09 10:37
Instrument ID:	ECD2	ICAL Reference Date:	6/16/2009
		Column:	Back

Compound	Peak	RT	RT Window From	RT Window To	Concentration	Mean Concentration	%D
Aroclor 1248	1	4.45814	4.42814	4.48814	979.0563391	991.1678866	0.883
	2	4.68747	4.65747	4.71747	980.9305028		
	3	5.05425	5.02425	5.08425	1001.739023		
	4	5.24396	5.21396	5.27396	995.8651172		
	5	5.5905	5.5605	5.6205	998.2484509		
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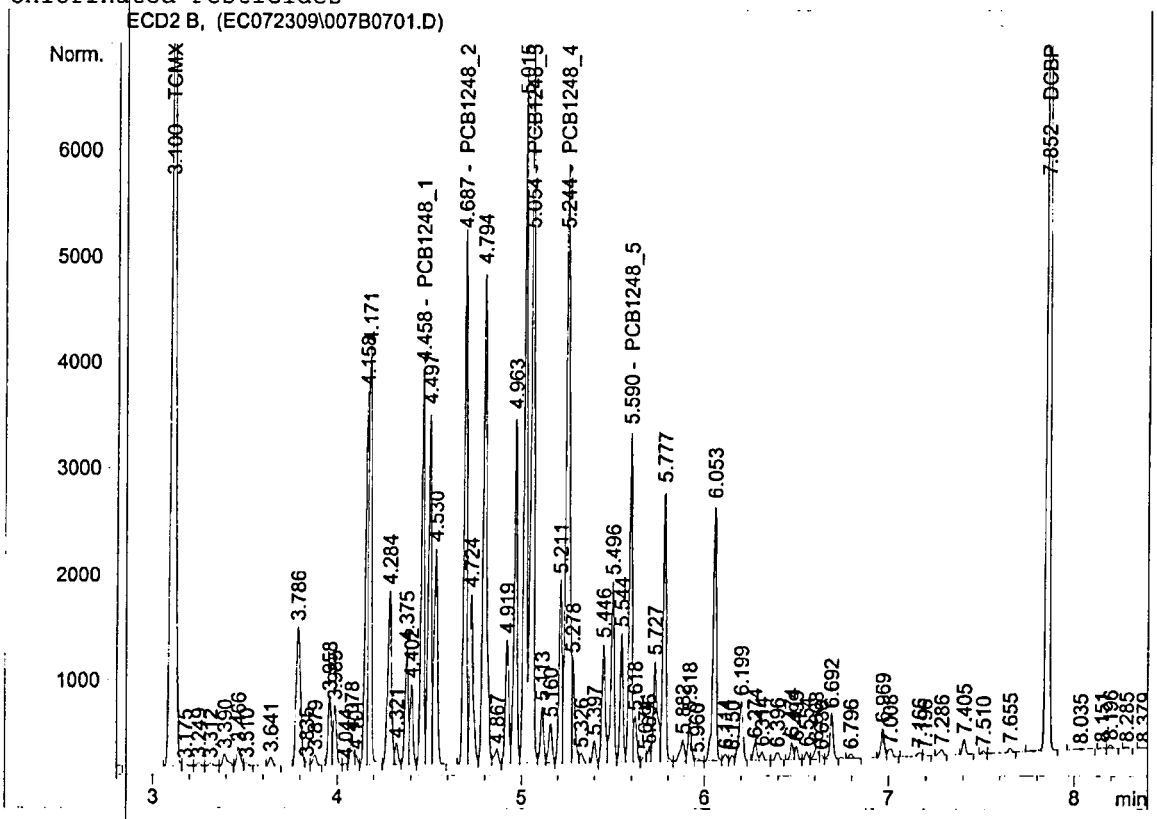
Injection Date : 7/23/2009 10:37:05 AM Seq. Line : 7
Sample Name : cvs-1248-1000 Location : Vial 7
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072309\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.100	VV	1.39611e4	6.80397e-3	94.99098		TCMX
4.458	VV	4171.73340	2.34688e-1	979.05634		PCB1248_1
4.687	VV	5579.15723	1.75821e-1	980.93050		PCB1248_2
5.054	VV	8308.32031	1.20571e-1	1001.73902		PCB1248_3
5.244	VV	8213.02246	1.21254e-1	995.86512		PCB1248_4
5.590	VV	3413.62622	2.92431e-1	998.24845		PCB1248_5
6.887		-	-	-		DBC
7.852	BB	1.43015e4	6.83508e-3	97.75200		DCBP

Totals : 5148.58241

7/23

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 23-Jul-09 10:49
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1254	1	5.04652	5.01652	5.07652	1076.403354	1116.789836	-11.7
	2	5.20945	5.17945	5.23945	1167.907502		
	3	5.58907	5.55907	5.61907	1090.865625		
	4	5.77594	5.74594	5.80594	1089.644774		
	5	6.19728	6.16728	6.22728	1159.127922		
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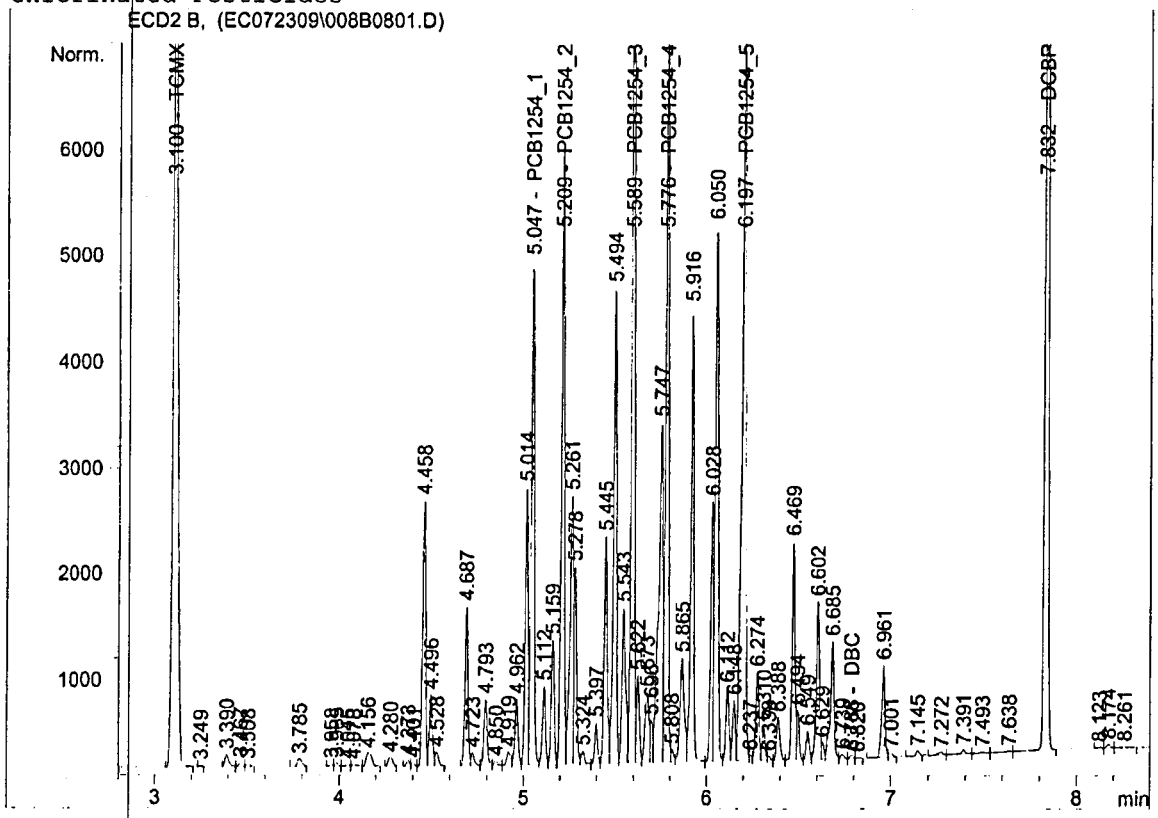
==========================================================================
Injection Date  : 7/23/2009 10:49:51 AM          Seq. Line :   8
Sample Name     : cvs-1254-1000                   Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072309\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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                        External Standard Report
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Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.100	VB	1.43910e4	7.16416e-3	103.09935		TCMX
5.047	VV	5709.53027	1.88527e-1	1076.40335		PCB1254_1
5.209	VV	6532.58643	1.78782e-1	1167.90750		PCB1254_2
5.589	VV	9743.51953	1.11958e-1	1090.86563		PCB1254_3
5.776	VV	7809.14697	1.39534e-1	1089.64477		PCB1254_4
6.197	VV	1.02642e4	1.12930e-1	1159.12792		PCB1254_5
6.788	VV	33.92867	0.00000	0.00000		DBC
7.832	VB	1.44807e4	7.11378e-3	103.01283		DCBP
Totals :				5790.06136		

DJ 7/23

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 23-Jul-09 11:02
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1016	1	3.4667	3.4367	3.4967	1034.321389	1054.764551	-5.48
	2	3.78696	3.75696	3.81696	1003.212447		
	3	4.17095	4.14095	4.20095	1137.342228		
	4	4.28513	4.25513	4.31513	1039.703221		
	5	4.68707	4.65707	4.71707	1059.243469		
Aroclor 1260	1	5.74753	5.71753	5.77753	1109.661	1119.515036	-12.0
	2	5.91656	5.88656	5.94656	1118.471624		
	3	6.1954	6.1654	6.2254	1118.947057		
	4	6.68462	6.65462	6.71462	1126.031273		
	5	6.95864	6.92864	6.98864	1124.464227		
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==================================================================
Injection Date  : 7/23/2009 11:02:38 AM          Seq. Line :   9
Sample Name     : cvs-PCB-1000                    Location : Vial 9
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                           Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072309\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides
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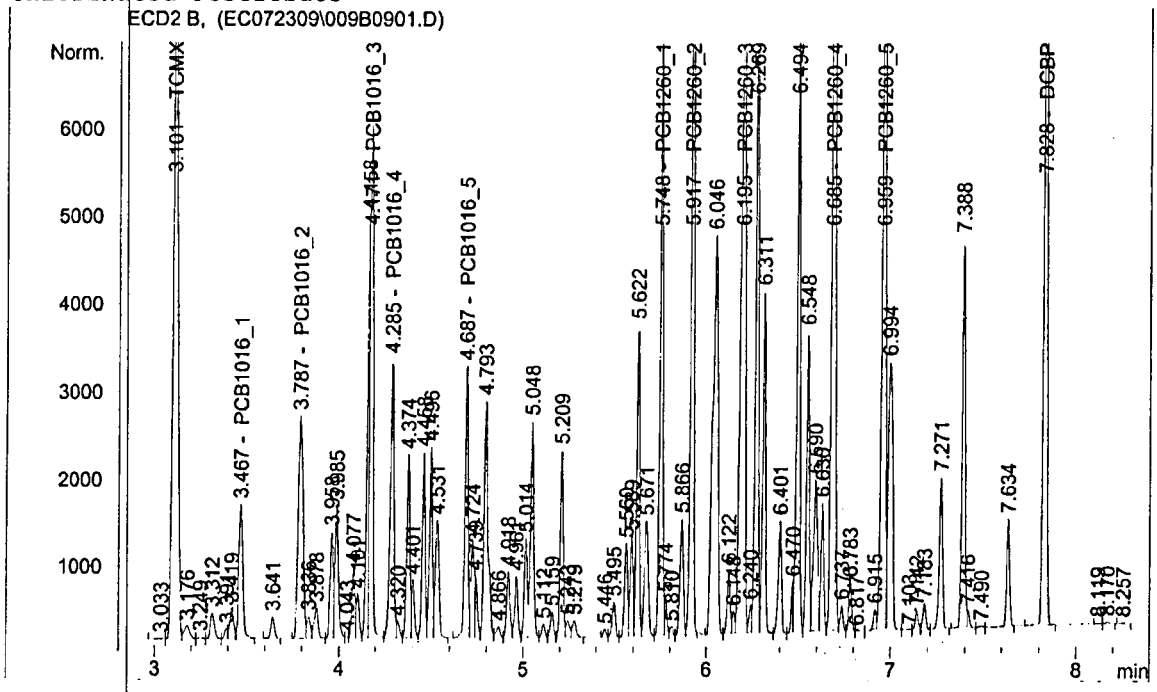


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==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:11:39 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.101	VV	1.40255e4	6.97616e-3	97.84384		TCMX
3.467	VV	2297.32593	4.50228e-1	1034.32139		PCB1016_1
3.787	VV	4625.34082	2.16895e-1	1003.21245		PCB1016_2
4.171	VV	7879.10107	1.44349e-1	1137.34223		PCB1016_3
4.285	VV	4340.07227	2.39559e-1	1039.70322		PCB1016_4
4.687	VV	3535.95142	2.99564e-1	1059.24347		PCB1016_5
5.748	VV	7419.66553	1.49557e-1	1109.66100		PCB1260_1
5.917	VV	1.05063e4	1.06457e-1	1118.47162		PCB1260_2
6.195	VV	1.31119e4	8.53385e-2	1118.94706		PCB1260_3
6.685	VV	2.03366e4	5.53698e-2	1126.03127		PCB1260_4
6.891		-	-	-		DBC
6.959	VV	1.31041e4	8.58103e-2	1124.46423		PCB1260_5
7.828	VB	1.35819e4	7.02123e-3	95.36145		DCBP
Totals :				1.10646e4		

PCB Calibration Verification Summary

Sample ID:	CVS-1254-1000	Date:	23-Jul-09 12:38
Instrument ID:	ECD2	ICAL Reference Date:	6/16/2009
		Column:	Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1254	1	5.04756	5.01756	5.07756	1048.535891	1096.681805	-9.67
	2	5.21008	5.18008	5.24008	1134.164412		
	3	5.59045	5.56045	5.62045	1042.40777		
	4	5.77639	5.74639	5.80639	1057.145816		
	5	6.19797	6.16797	6.22797	1201.155138		
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==================================================================
Injection Date  : 7/23/2009 12:38:23 PM          Seq. Line :  15
Sample Name     : cvs-1254-1000                   Location : Vial 15
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072309\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
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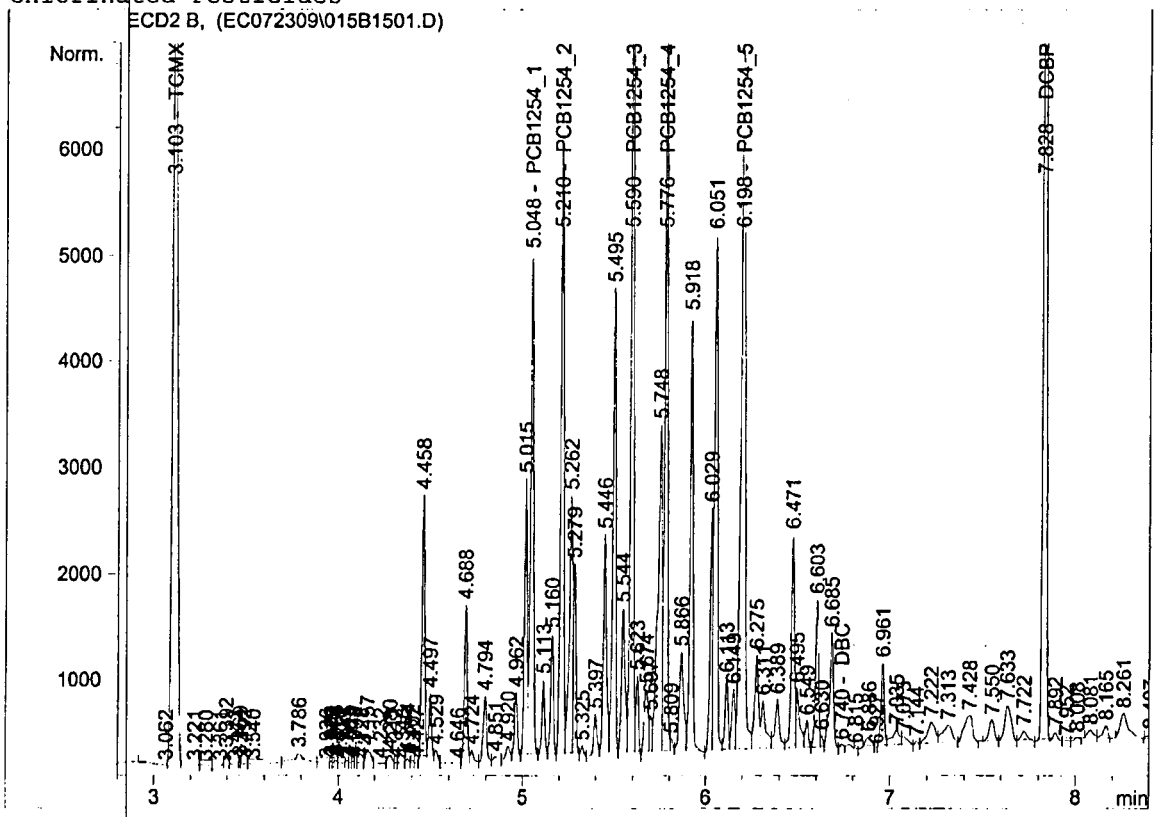


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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.103	PP	1.44269e4	7.16371e-3	103.35005		TCMX
5.048	VV	5559.99951	1.88586e-1	1048.53589		PCB1254_1
5.210	VV	6346.24219	1.78714e-1	1134.16441		PCB1254_2
5.590	VV	9302.15039	1.12061e-1	1042.40777		PCB1254_3
5.776	VV	7573.02832	1.39594e-1	1057.14582		PCB1254_4
6.198	VV	1.06378e4	1.12914e-1	1201.15514		PCB1254_5
6.740	VV	18.39645	0.00000	0.00000		DBC
7.828	VV	1.41067e4	7.11789e-3	100.40990		DCBP
Totals :				5687.16897		

PL 7/23

PCB Calibration Verification Summary

Sample ID:	CVS-PCB-1000	Date:	23-Jul-09 12:50
Instrument ID:	ECD2	ICAL Reference Date:	6/16/2009
		Column:	Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1016	1	3.46684	3.43684	3.49684	1069.220789	1053.943723	-5.39
	2	3.78642	3.75642	3.81642	1063.029079		
	3	4.17082	4.14082	4.20082	1004.3468		
	4	4.28479	4.25479	4.31479	1055.10766		
	5	4.68676	4.65676	4.71676	1078.014285		
Aroclor 1260	1	5.74742	5.71742	5.77742	1105.873719	1105.522929	-10.6
	2	5.91616	5.88616	5.94616	1105.054918		
	3	6.19529	6.16529	6.22529	1110.436782		
	4	6.68285	6.65285	6.71285	1109.890657		
	5	6.95561	6.92561	6.98561	1096.358568		
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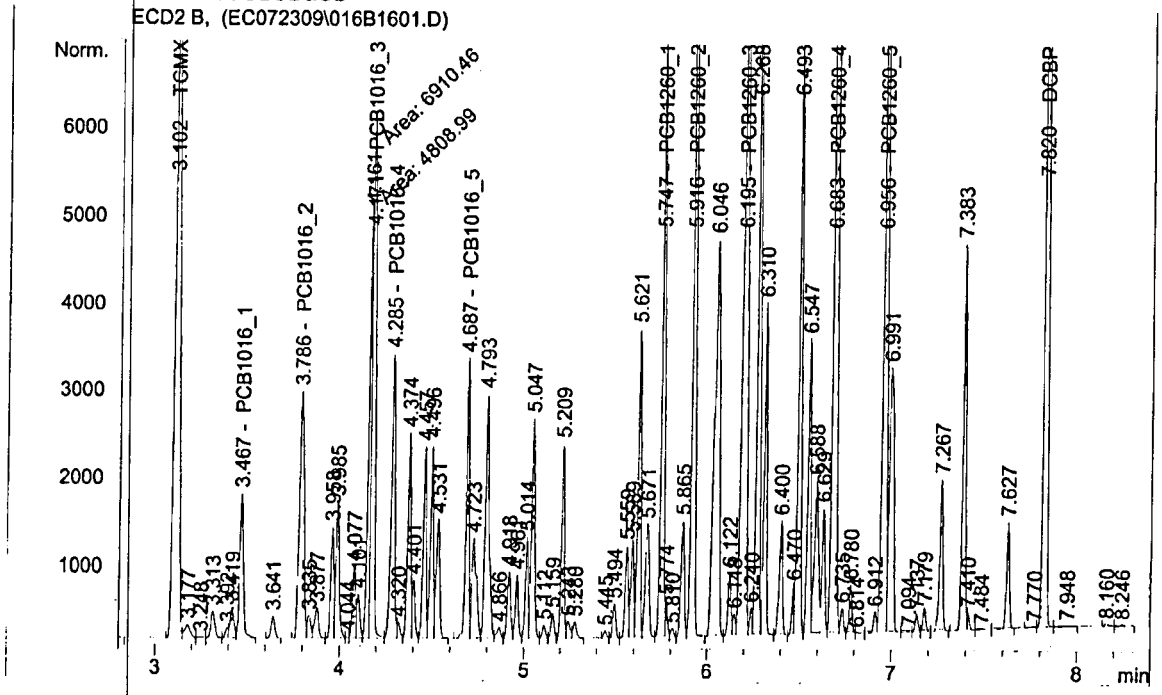
Injection Date : 7/23/2009 12:50:54 PM Seq. Line : 16
Sample Name : cvs-PCB-1000 Location : Vial 16
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072309\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/22/2009 9:40:46 AM by BWS
Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

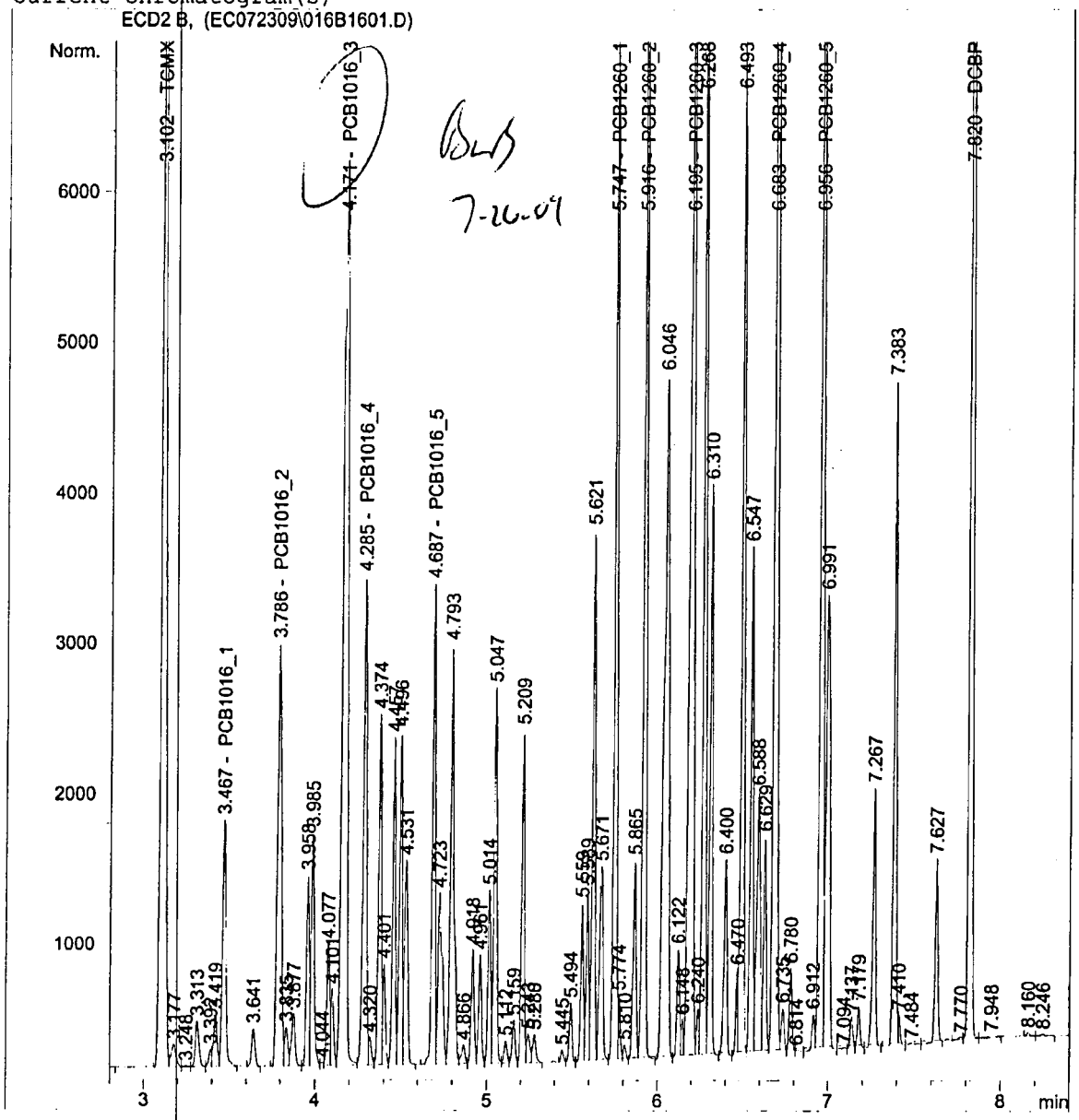
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.102	VV	1.43887e4	6.97097e-3	100.30325		TCMX
3.467	VB	2374.90210	4.50217e-1	1069.22079		PCB1016_1
3.786	VV	4904.20605	2.16759e-1	1063.02908		PCB1016_2
4.171	FM	6910.46484	1.45337e-1	1004.34680		PCB1016_3
4.285	VV	4405.08740	2.39520e-1	1055.10766		PCB1016_4
4.687	VV	3599.51343	2.99489e-1	1078.01428		PCB1016_5
5.747	VV	7393.98242	1.49564e-1	1105.87372		PCB1260_1
5.916	VB	1.03781e4	1.06480e-1	1105.05492		PCB1260_2
6.195	VV	1.30094e4	8.53564e-2	1110.43678		PCB1260_3
6.683	VV	2.00373e4	5.53912e-2	1109.89066		PCB1260_4
6.891		-	-	-		DBC
6.956	VV	1.27685e4	8.58646e-2	1096.35857		PCB1260_5
7.820	VB	1.35445e4	7.02171e-3	95.10571		DCBP
Totals :				1.09927e4		

DU 7/23

Print of all graphic windows
Current Chromatogram(s)

ECD2 B, (EC072309\016B1601.D)



BWS
7-26-09

ECD2 7/26/2009 9:13:55 PM BWS

8082 QC, Blanks Raw Data

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB14706
Lab Project ID:
Initial Wt/Vol: 32.0 g
Final Volume: 10 mL
ColumnID: STX-CLPest

Analyzed By: BWS
Date Collected:
Date Received:
Date Extracted: 7/22/2009
Matrix: SOIL
%SOLIDS: 100.0
Report Basis: Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	31.2	1.78	1	07/23/09	
Aroclor-1221	BQL	31.2	7.78	1	07/23/09	
Aroclor-1232	BQL	31.2	4.31	1	07/23/09	
Aroclor-1242	BQL	31.2	2.85	1	07/23/09	
Aroclor-1248	BQL	31.2	1.39	1	07/23/09	
Aroclor-1254	BQL	31.2	9.22	1	07/23/09	
Aroclor-1260	BQL	31.2	2.58	1	07/23/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	98.4	98.4
DCBP	100	101	101

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By:

8082.xls

QC Results for PCBs
by EPA 8082

Client Sample ID: Batch QC
Lab Sample ID: G368-75-1G
MS Lab ID: G368-75-1H
MSD Lab ID: G368-75-1I

Analyzed By: BWS
Matrix: SOIL
Solids: 86

Matrix Spike / Matrix Spike Duplicate Summary Results

Analyte	Sample ug/KG	Spiked ug/KG	MS ug/KG	%REC (Limit 40.8-116)	Spiked ug/KG	MSD ug/KG	%REC (Limit 40.8-116)	RPD (Limit 24.7)
Aroclor-1254	BQL	360	497	138 #	356	470	132 #	4.44

Surrogate Standards	Spike Added	Result ug/L	REC %		Result ug/L	REC %	Limits
TCMX	100	86.3	86.3		79.5	79.5	40 - 120
DCBP	100	90.1	90.1		84.1	84	40 - 120

Sample Preparation and Analysis Summary

Sample Analysis Date/Time: 7/23/09 11:41
Batch/Filename: 012B1201.D 012B1201.D
MS Analysis Date/Time: 7/23/09 11:54
MS Batch/Filename: EC072309 013B1301.D
MSD Analysis Date/Time: 7/23/09 12:25
MSD Batch/Filename: EC072309 014B1401.D

Prep Batch ID: 14706
Extraction Date: 07/22/09
Prep method: 3541
Sample Initial Amount: 32.07 G
MS Initial Amount: 32.27 G
MSD Initial Amount: 32.62 G
Final Extract Volume: 10.0 ML

Laboratory Control Spike Summary Results

Analyte	Spiked ug/KG	Result ug/KG	REC %	Limits Lower	Limits Upper
Aroclor-1254	313	331	106	69	129

Surrogate Standards	Spike Added	Result ug/L	REC %	Limits Lower	Limits Upper
TCMX	100	97.5	97.5	40	120
DCBP	100	99.6	99.6	40	120

Preparation and Analysis Summary

LCS Labid: LCS14706
LCS Analyst: BWS
Analysis Date/Time: 7/23/09 11:28
Filename: 011B1101.D
Analytical Batch: EC072309

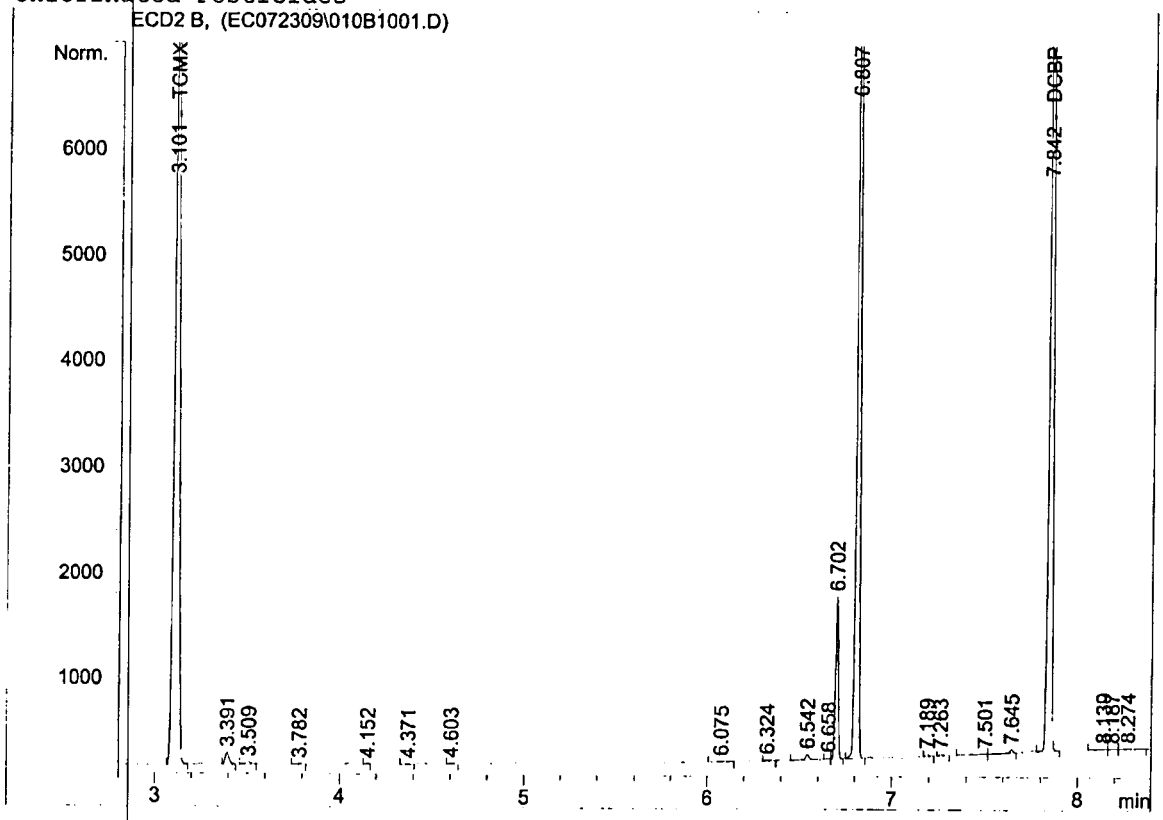
Prep Batch ID: 14706
Extraction Date: 07/22/09
Prep method: 3541
Initial Weight / Volume: 32.0 G
Final Extract Volume: 10.0 ML

Comments:

= Outside control limits due to interference from Aroclor 1248 in the parent sample.

Reviewed by: DMA

```
==========================================================================
Injection Date  : 7/23/2009 11:15:26 AM          Seq. Line :  10
Sample Name     : PB14706 x1                      Location : Vial 10
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                           Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072309\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

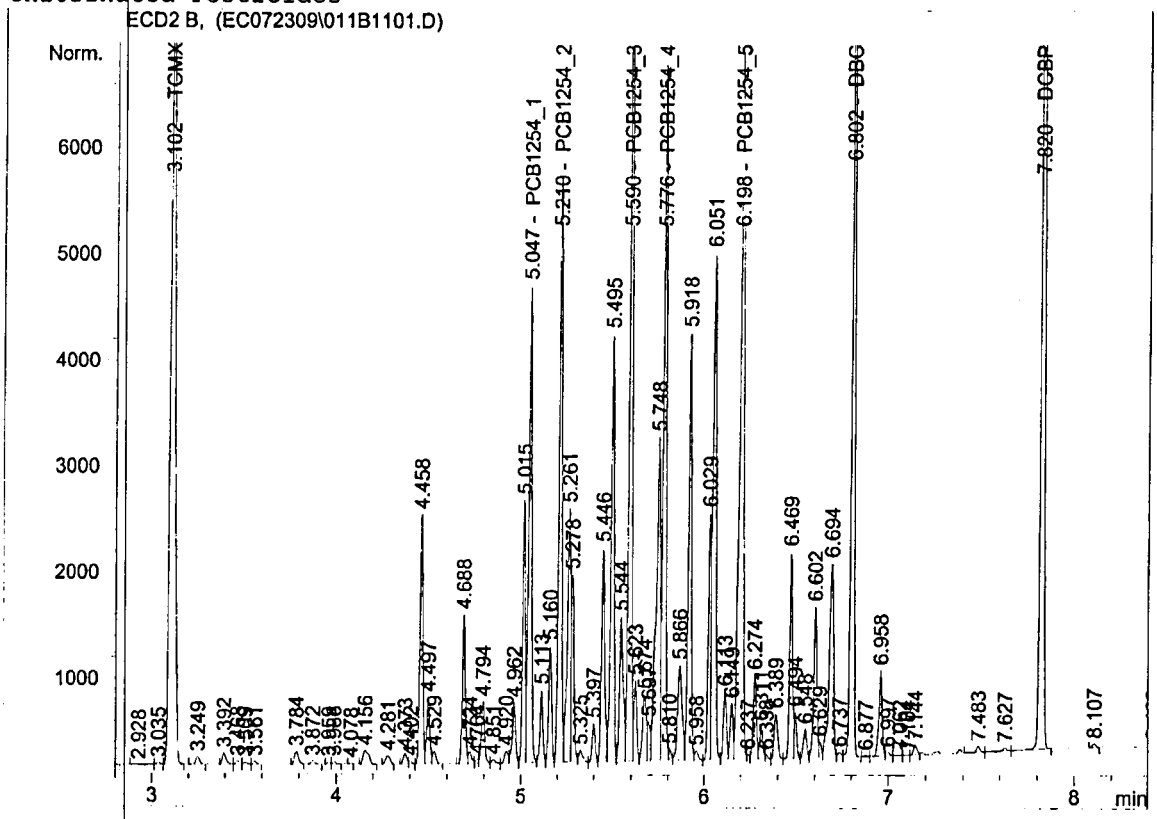
Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.101	BB	1.37165e4	7.17309e-3	98.38970		TCMX
5.059		-	-	-		PCB1254_1
5.221		-	-	-		PCB1254_2
5.601		-	-	-		PCB1254_3
5.787		-	-	-		PCB1254_4
6.208		-	-	-		PCB1254_5
6.794		-	-	-		DBC
7.842	VB	1.42298e4	7.11652e-3	101.26653		DCBP

Totals : 199.65623

BWS 7-26-09

```
==================================================================
Injection Date  : 7/23/2009 11:28:25 AM          Seq. Line :  11
Sample Name     : LCS14706 x1                     Location : Vial 11
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                           Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072309\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

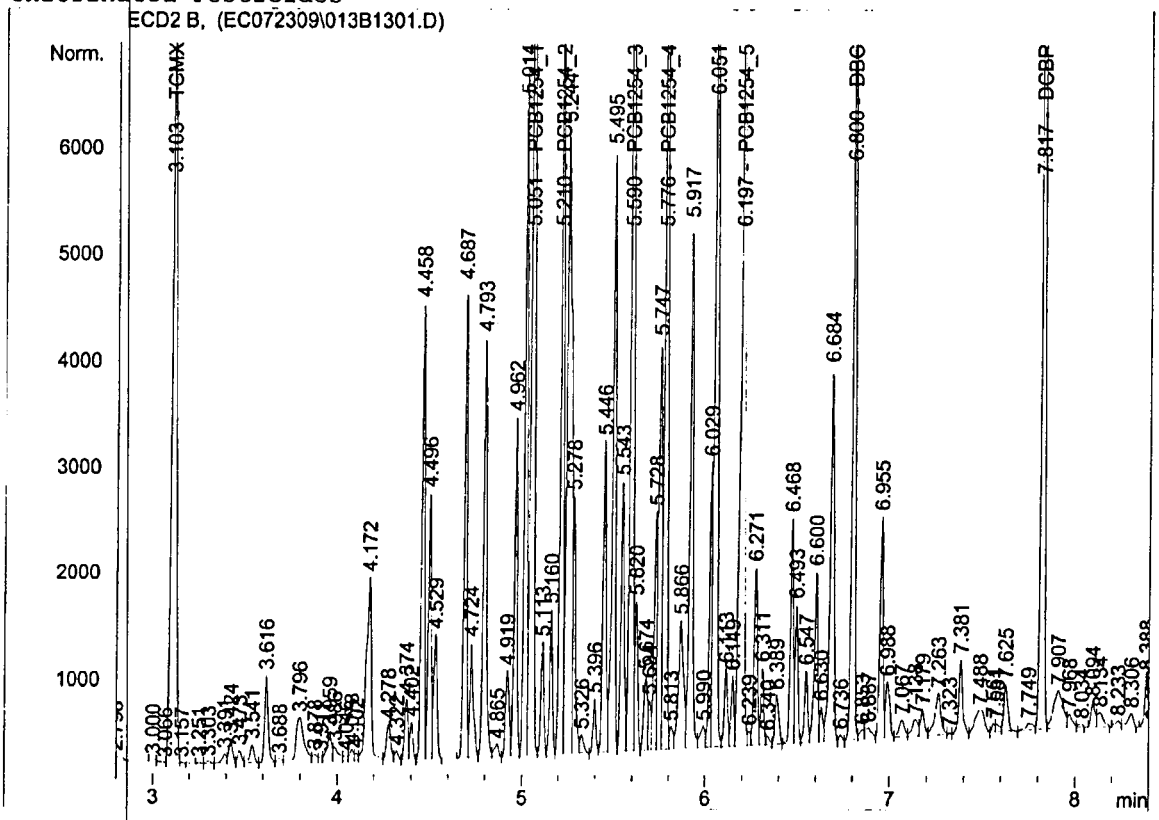
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.102	VB	1.35862e4	7.17491e-3	97.47989		TCMX
5.047	VV	5369.56445	1.88664e-1	1013.04525		PCB1254_1
5.210	VV	6242.94043	1.78675e-1	1115.45860		PCB1254_2
5.590	VV	9188.06934	1.12089e-1	1029.88283		PCB1254_3
5.776	VV	7381.97705	1.39644e-1	1030.84985		PCB1254_4
6.198	VV	9746.20312	1.12954e-1	1100.87340		PCB1254_5
6.802	VB	9450.61328	0.00000	0.00000		DBC
7.820	VB	1.39988e4	7.11912e-3	99.65893		DCBP
Totals :				5487.24876		

BLS
7-26-09
330.432

Injection Date : 7/23/2009 11:54:00 AM Seq. Line : 13
Sample Name : 634304 x1 MS Location : Vial 13
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072309\PCBMET~1\PCBMET~1\1254R.M
Last changed : 7/26/2009 9:18:21 PM by BWS
(modified after loading)

G368-75-1H
MS

Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

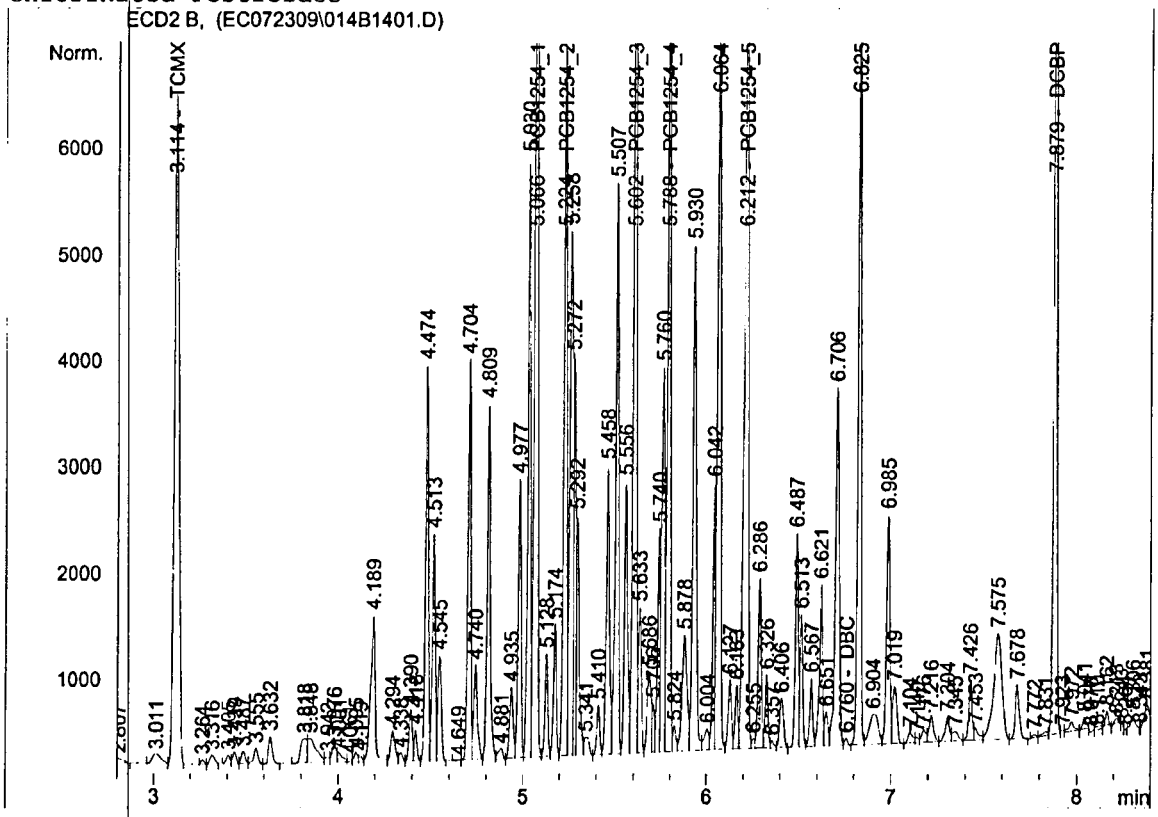
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.103	PP	1.19834e4	7.20061e-3	86.28812		TCMX
5.051	VV	1.24754e4	1.87355e-1	2337.33411		~~PCB1254_1~~
5.210	VV	7790.05273	1.79153e-1	1395.60866		PCB1254_2
5.590	VV	1.17893e4	1.11582e-1	1315.47059		PCB1254_3
5.776	VV	1.06121e4	1.39034e-1	1475.43908		PCB1254_4
6.197	VV	1.17782e4	1.12871e-1	1329.41098		PCB1254_5
6.800	VV	8725.90332	0.00000	0.00000		DBC
7.817	VV	1.26212e4	7.13664e-3	90.07311		DCBP
Totals :				8029.62465		

4 peaks
BWS
7-26-09

Injection Date : 7/23/2009 12:25:26 PM Seq. Line : 14
Sample Name : 634305 x1 MSD Location : Vial 14
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072309\PCBMET~1\PCBMET~1\1254R.M
Last changed : 7/26/2009 9:18:55 PM by BWS
(modified after loading)

G368-75-1 I
MSD

Chlorinated Pesticides



External Standard Report

Sorted By : Signal
Calib. Data Modified : 7/26/2009 9:18:55 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.114	VP	1.10170e4	7.21972e-3	79.53943		TCMX
5.066	VV	1.10709e4	1.87481e-1	2075.57220		~~PCB1254_1~~
5.224	VV	7308.06689	1.79026e-1	1308.33099		PCB1254_2
5.602	VV	1.19893e4	1.11552e-1	1337.42716		PCB1254_3
5.788	VV	9693.52441	1.39166e-1	1349.00719		PCB1254_4
6.212	VV	1.13556e4	1.12886e-1	1281.88177		PCB1254_5
6.760	VV	70.07872	0.00000	0.00000		DBC
7.879	VV	1.17690e4	7.14953e-3	84.14259		DCBP
Totals :				7515.90133		

4 Peaks
BWS
7-26-09

8082 Sample Raw Data

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-13	Analyzed By:	BWS
Client Project ID:	Goodyear Dump Site	Date Collected:	7/21/2009 15:53
Lab Sample ID:	G368-75-1G	Date Received:	7/22/2009
Lab Project ID:	G368-75	Date Extracted:	7/22/2009
Initial Wt/Vol:	32.07 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	86.0
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	36.2	2.07	1	07/23/09	
Aroclor-1221	BQL	36.2	9.03	1	07/23/09	
Aroclor-1232	BQL	36.2	5.00	1	07/23/09	
Aroclor-1242	BQL	36.2	3.31	1	07/23/09	
Aroclor-1248	**365**	36.2	1.61	1	07/23/09	
Aroclor-1254	BQL	36.2	10.7	1	07/23/09	
Aroclor-1260	BQL	36.2	2.99	1	07/23/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	83.2	83.2
DCBP	100	88.6	88.6

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

```
==================================================================
Injection Date  : 7/23/2009 11:41:12 AM          Seq. Line :  12
Sample Name     : G368-75-1G x1                   Location : Vial 12
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                           Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072309\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 7/23/2009 2:34:00 PM by BWS
                  (modified after loading)
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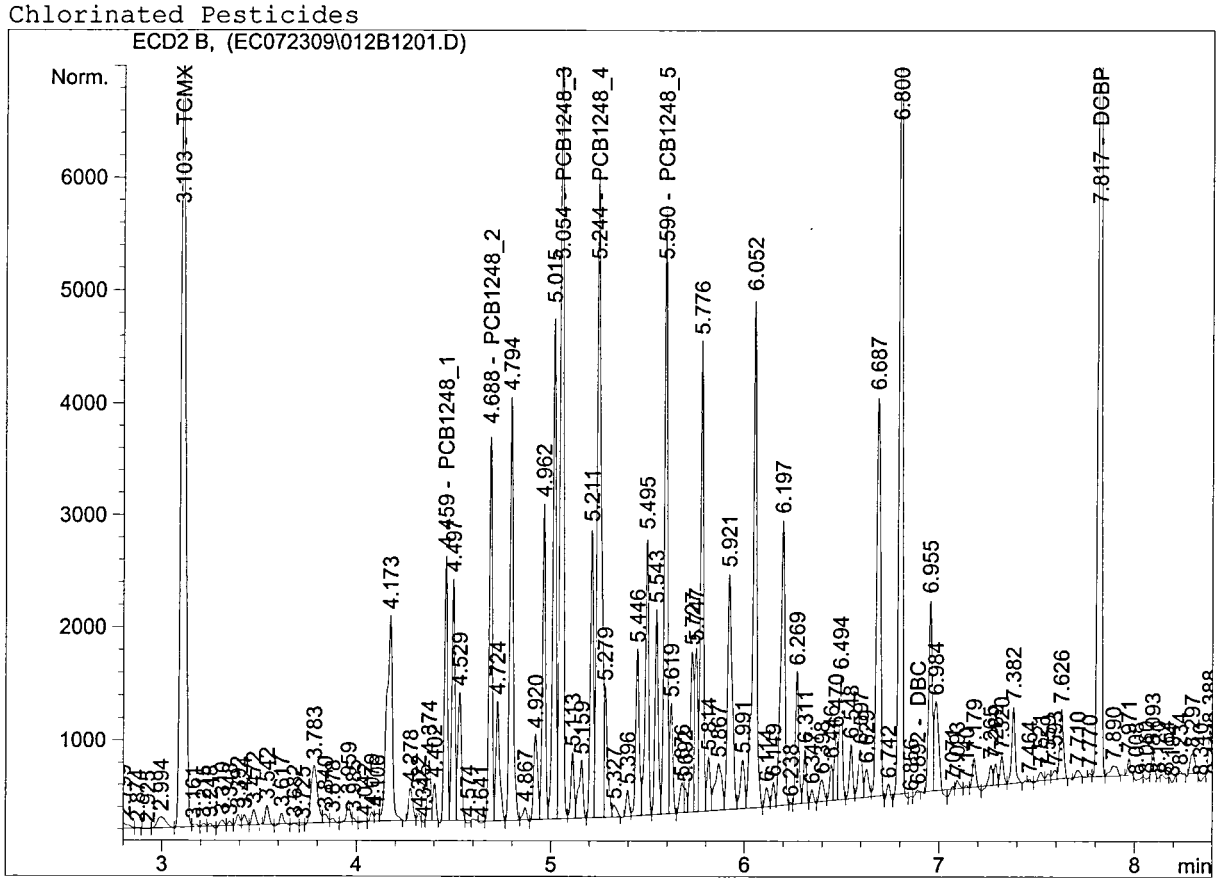
Chlorinated Pesticides

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==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

DV 7/23

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.103	VV	1.21272e4	6.86418e-3	83.24311		TCMX
4.459	PV	2591.91479	2.40218e-1	622.62405		PCB1248_1
4.688	PV	3801.58374	1.79426e-1	682.10381		PCB1248_2
5.054	VV	8659.43750	1.20356e-1	1042.21287		PCB1248_3
5.244	VV	8653.64258	1.20948e-1	1046.63902		PCB1248_4
5.590	VV	5730.78613	2.86906e-1	1644.19932		PCB1248_5
6.892	VV N	13.78204	6.83294e-2	9.41719e-1		DBC
7.817	VV	1.28979e4	6.87275e-3	88.64407		DCBP

Totals : 5210.60796

345.319

1,2,3,4,5
1002.54

DCS 7/23

Results obtained with enhanced integrator!

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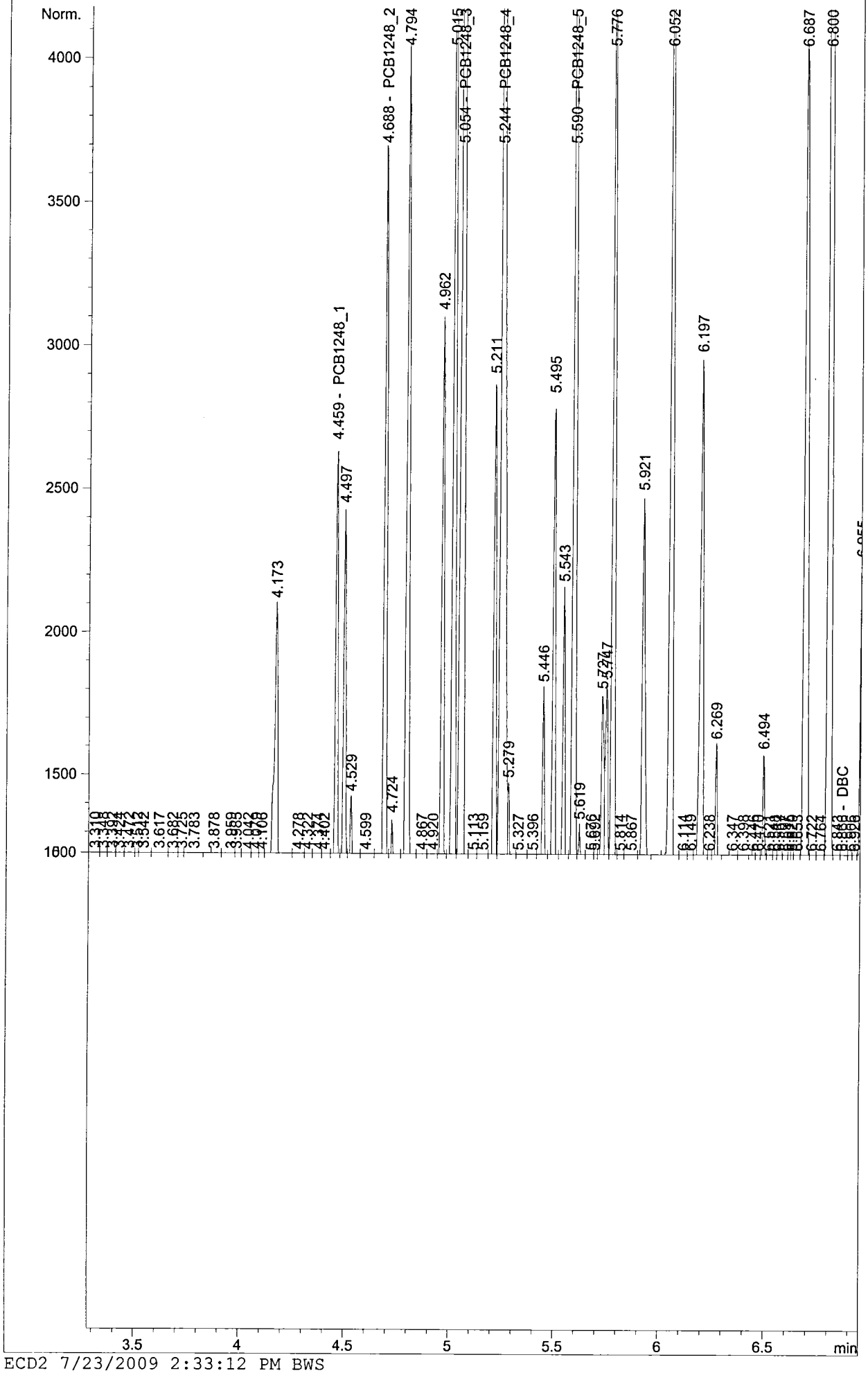
*** End of Report ***

Print of window 38: Current Chromatogram(s)

ECD2 B, (EC072309\012B1201.D)



ECD2 7/23/2009 2:33:12 PM BWS

Results for Metals

Client Sample ID:	GYD-CS-13			Analyzed By:	PSW
Client Project ID:	Goodyear Dump Site			Date Collected:	7/21/2009 15:53
Lab Sample ID:	G368-75-1			Date Received:	7/22/2009
Lab Project ID:	G368-75			Matrix:	SOIL
ICP InitWt/Vol:	0.5 g	Final Vol:	50 mL	Solids	86.00
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14697				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**116**	1.16	0.720	1	MG/KG	6010B	7/22/2009	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____

METALS.XLS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services Initial Cal Source Environmental Express

Batch ID: 072209a_OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	1000	1068	106.8	2500	2497	99.9	2500	2542	101.7	90-110
Antimony	1000	991	99.1	500	518	103.5	500	540	107.9	90-110
Arsenic	1000	1047	104.7	500	503	100.6	500	531	106.1	90-110
Barium	1000	1014	101.4	2500	2497	99.9	2500	2603	104.1	90-110
Beryllium	1000	999	99.9	500	497	99.4	500	517	103.4	90-110
Boron	500			500			500			90-110
Cadmium	1000	1002	100.2	500	496	99.2	500	518	103.6	90-110
Calcium	1000	1008	100.8	2500	2468	98.7	2500	2580	103.2	90-110
Chromium	1000	1028	102.8	500	489	97.7	500	506	101.2	90-110
Cobalt	1000	1045	104.5	500	498	99.6	500	527	105.5	90-110
Copper	1000	983	98.3	500	476	95.1	500	488	97.6	90-110
Iron	1000	1052	105.2	2500	2478	99.1	2500	2604	104.2	90-110
Lead	1000	1014	101.4	500	483	96.7	500	511	102.1	90-110
Magnesium	1000	1020	102.0	2500	2517	100.7	2500	2608	104.3	90-110
Manganese	1000	1031	103.1	500	496	99.2	500	514	102.9	90-110
Molybdenum	1000			500			500			90-110
Nickel	1000	1048	104.8	500	505	100.9	500	520	104.0	90-110
Potassium	1000	1050	105.0	2500	2498	99.9	2500	2548	101.9	90-110
Selenium	1000	1013	101.3	500	497	99.4	500	521	104.2	90-110
Silver	500	504	100.8	500	500	100.0	500	509	101.7	90-110
Sodium	1000	1046	104.6	2500	2468	98.7	2500	2521	100.8	90-110
Thallium	1000	992	99.2	500	508	101.7	500	531	106.3	90-110
Tin	500			500			500			90-110
Vanadium	1000	1021	102.1	500	497	99.5	500	512	102.4	90-110
Zinc	1000	1030	103.0	500	496	99.3	500	513	102.7	90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 072209a OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV (4)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	1000	1068	106.8	2500	2664	106.6	2500	2639	105.6	90-110
Antimony	1000	991	99.1	500	544	108.8	500	547	109.5	90-110
Arsenic	1000	1047	104.7	500	536	107.2	500	530	106.1	90-110
Barium	1000	1014	101.4	2500	2561	102.4	2500	2514	100.6	90-110
Beryllium	1000	999	99.9	500	526	105.2	500	508	101.6	90-110
Boron	500			500			500			90-110
Cadmium	1000	1002	100.2	500	527	105.4	500	521	104.1	90-110
Calcium	1000	1008	100.8	2500	2681	107.2	2500	2628	105.1	90-110
Chromium	1000	1028	102.8	500	515	103.0	500	511	102.2	90-110
Cobalt	1000	1045	104.5	500	522	104.4	500	528	105.6	90-110
Copper	1000	983	98.3	500	493	98.6	500	498	99.5	90-110
Iron	1000	1052	105.2	2500	2608	104.3	2500	2598	103.9	90-110
Lead	1000	1014	101.4	500	514	102.8	500	518	103.5	90-110
Magnesium	1000	1020	102.0	2500	2690	107.6	2500	2663	106.5	90-110
Manganese	1000	1031	103.1	500	517	103.5	500	516	103.1	90-110
Molybdenum	1000			500			500			90-110
Nickel	1000	1048	104.8	500	531	106.1	500	530	106.0	90-110
Potassium	1000	1050	105.0	2500	2615	104.6	2500	2664	106.5	90-110
Selenium	1000	1013	101.3	500	521	104.2	500	518	103.5	90-110
Silver	500	504	100.8	500	514	102.9	500	519	103.9	90-110
Sodium	1000	1046	104.6	2500	2568	102.7	2500	2583	103.3	90-110
Thallium	1000	992	99.2	500	531	106.2	500	525	105.0	90-110
Tin	500			500			500			90-110
Vanadium	1000	1021	102.1	500	522	104.5	500	520	104.1	90-110
Zinc	1000	1030	103.0	500	517	103.5	500	517	103.5	90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services Initial Cal Source Environmental Express

Batch ID: 072209a OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (5)			CCV (6)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	1000	1068	106.8	2500	2682	107.3	2500	2647	105.9	90-110
Antimony	1000	991	99.1	500	554	110.78*	500	544	108.7	90-110
Arsenic	1000	1047	104.7	500	544	108.7	500	535	107.1	90-110
Barium	1000	1014	101.4	2500	2608	104.3	2500	2547	101.9	90-110
Beryllium	1000	999	99.9	500	527	105.3	500	510	101.9	90-110
Boron	500			500			500			90-110
Cadmium	1000	1002	100.2	500	532	106.4	500	524	104.9	90-110
Calcium	1000	1008	100.8	2500	2671	106.8	2500	2596	103.8	90-110
Chromium	1000	1028	102.8	500	520	104.0	500	511	102.3	90-110
Cobalt	1000	1045	104.5	500	522	104.5	500	517	103.3	90-110
Copper	1000	983	98.3	500	500	100.0	500	497	99.4	90-110
Iron	1000	1052	105.2	2500	2630	105.2	2500	2601	104.0	90-110
Lead	1000	1014	101.4	500	522	104.3	500	516	103.3	90-110
Magnesium	1000	1020	102.0	2500	2676	107.0	2500	2622	104.9	90-110
Manganese	1000	1031	103.1	500	519	103.7	500	512	102.4	90-110
Molybdenum	1000			500			500			90-110
Nickel	1000	1048	104.8	500	540	107.9	500	523	104.7	90-110
Potassium	1000	1050	105.0	2500	2684	107.4	2500	2651	106.1	90-110
Selenium	1000	1013	101.3	500	535	107.0	500	528	105.7	90-110
Silver	500	504	100.8	500	518	103.5	500	516	103.3	90-110
Sodium	1000	1046	104.6	2500	2603	104.1	2500	2565	102.6	90-110
Thallium	1000	992	99.2	500	536	107.2	500	530	106.0	90-110
Tin	500			500			500			90-110
Vanadium	1000	1021	102.1	500	530	105.9	500	523	104.6	90-110
Zinc	1000	1030	103.0	500	517	103.5	500	516	103.3	90-110

Comments:

FORM IIA - METALS

Form 2B
CRDL

Lab Name: SGS Environmental Services

Batch ID: 072209a

Concentration Units: ug/L

Analyte	Initial			QC Limit Range
	True	Found	%R	
Aluminum	100	110	110	50-150
Antimony	40.0	36.8	91.9	50-150
Arsenic	10.0	10.5	105	50-150
Barium	100	103	103	50-150
Beryllium	10.0	17.8	178*	50-150
Boron	10.0			50-150
Cadmium	5.00	6.59	132	50-150
Calcium	100	124	124	50-150
Chromium	10.0	13.0	130	50-150
Cobalt	10.0	10.6	106	50-150
Copper	10.0	14.9	149	50-150
Iron	100	124	124	50-150
Lead	10.0	12.1	121	50-150
Magnesium	100	102	102	50-150
Manganese	10.0	10.5	105	50-150
Molybdenum	10.0			50-150
Nickel	10.0	10.8	108	50-150
Potassium	200	196	98.3	50-150
Selenium	20.0	22.6	113	50-150
Silver	10.0	9.15	91.5	50-150
Sodium	200	195	97.7	50-150
Thallium	10.0	7.82	78.2	50-150
Tin	10.0			50-150
Vanadium	50.0	51.2	102	50-150
Zinc	20.0	19.8	98.8	50-150

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 072209a OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C	4	C		
Aluminum	100	U	100	U	100	U	100	U		
Antimony	40	U	40	U	40	U	40	U		
Arsenic	10	U	10	U	10	U	10	U		
Barium	100	U	100	U	100	U	100	U		
Beryllium	10	U	10	U	10	U	10	U		
Boron										
Cadmium	10	U	10	U	10	U	10	U		
Calcium	100	U	100	U	100	U	100	U		
Chromium	10	U	10	U	10	U	10	U		
Cobalt	10	U	10	U	10	U	10	U		
Copper	10	U	10	U	10	U	10	U		
Iron	100	U	100	U	100	U	100	U		
Lead	10	U	10	U	10	U	10	U		
Magnesium	100	U	100	U	100	U	100	U		
Manganese	10	U	10	U	10	U	10	U		
Molybdenum										
Mercury										
Nickel	10	U	10	U	10	U	10	U		
Potassium	200	U	200	U	200	U	200	U		
Selenium	20	U	20	U	20	U	20	U		
Silver	10	U	10	U	10	U	10	U		
Sodium	200	U	200	U	200	U	200	U		
Thallium	10	U	10	U	10	U	10	U		
Tin										
Vanadium	50	U	50	U	50	U	50	U		
Zinc	20	U	20	U	20	U	20	U		

Comments:

FORM III - METALS

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 072209a OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	5	C	6	C		C		
Aluminum	100	U	100	U	100	U				
Antimony	40	U	40	U	40	U				
Arsenic	10	U	10	U	10	U				
Barium	100	U	100	U	100	U				
Beryllium	10	U	10	U	10	U				
Boron										
Cadmium	10	U	10	U	10	U				
Calcium	100	U	100	U	100	U				
Chromium	10	U	10	U	10	U				
Cobalt	10	U	10	U	10	U				
Copper	10	U	10	U	10	U				
Iron	100	U	100	U	100	U				
Lead	10	U	10	U	10	U				
Magnesium	100	U	100	U	100	U				
Manganese	10	U	10	U	10	U				
Molybdenum										
Mercury										
Nickel	10	U	10	U	10	U				
Potassium	200	U	200	U	200	U				
Selenium	20	U	20	U	20	U				
Silver	10	U	10	U	10	U				
Sodium	200	U	200	U	200	U				
Thallium	10	U	10	U	10	U				
Tin										
Vanadium	50	U	50	U	50	U				
Zinc	20	U	20	U	20	U				

Comments:

FORM III - METALS

Results for Metals

Client Sample ID:	Lab Blank			Analyzed By:	PSW
Client Project ID:				Date Collected:	
Lab Sample ID:	pb14697			Date Received:	
Lab Project ID:				Matrix:	SOIL
ICP InitWt/Vol:	0.54 g	Final Vol:	50 mL	Solids	100.00
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14697				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**0.617**	0.926	0.573	1	MG/KG	6010B	7/22/2009	JB

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SGS Environmental Services ICS Source: Environmental Express

Batch ID: 072209a ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R	QC Limit Range %
Aluminum	100000	100000	101586	98456.6	98.5	106995	103460	103.5	80 - 120
Antimony	0	300	28.27	305.9	102.0	2.62	314.34	104.8	80 - 120
Arsenic	0	300	7.88	307.72	102.6	10.09	316.93	105.6	80 - 120
Barium	0	1000	8.48	961.19	96.1	9.31	1003.38	100.3	80 - 120
Beryllium	0	300	9.36	294.43	98.1	11.95	301.54	100.5	80 - 120
Cadmium	0	300	0.44	277.98	92.7	0.4	294.03	98.0	80 - 120
Calcium	40000	40000	39075.1	38103.3	95.3	41736.2	40501.3	101.3	80 - 120
Chromium	0	300	7.02	289.92	96.6	7.1	308.11	102.7	80 - 120
Cobalt	0	300	-0.16	281.13	93.7	-0.94	286.73	95.6	80 - 120
Copper	0	300	8.11	297.42	99.1	9.08	305.81	101.9	80 - 120
Iron	100000	100000	99422.5	96813.1	96.8	103644	101568	101.6	80 - 120
Lead	0	300	4.55	281.76	93.9	2.95	295.89	98.6	80 - 120
Magnesium	40000	40000	40344.9	38514.8	96.3	42283.8	40207.6	100.5	80 - 120
Manganese	0	300	1	287.95	96.0	1.22	298.89	99.6	80 - 120
Nickel	0	300	1.24	276.12	92.0	1.47	288.92	96.3	80 - 120
Potassium	0	0	5.15	17.83	n/a	20.96	12.36	n/a	80 - 120
Selenium	0	300	26.14	312.51	104.2	31.43	335.85	112.0	80 - 120
Silver	0	300	0.42	281.72	93.9	0.6	287.83	95.9	80 - 120
Sodium	0	0	13.24	20.02	n/a	23	28.57	n/a	80 - 120
Thallium	0	300	3.11	280.76	93.6	1	293.34	97.8	80 - 120
Vanadium	0	300	1.79	294.47	98.2	4.01	312.21	104.1	80 - 120
Zinc	0	300	2.37	302.35	100.8	1.8	308.55	102.9	80 - 120

FORM IV - METALS

METALS Results for LCS/LCD

ICP Batch: 14697
HG Batch:
Other:

Matrix: SOIL
Units: MG/KG

Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	36.4	36.1	99.2		34.6	95.1		80	120	4.24		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By:

MS/MSD Results for METALS

Lab ID: G582-406-10
MS Lab ID: G582-406-10
MSD Lab ID: G582-406-10
ICP Batch: 14697
HG Batch: 14705
Other: 14698

Analyzed By: PSW
Matrix: Solid
Units: MG/KG
Solids: 99.52

Analyte	Sample Result	SA MS	MS Result	MS %REC	SA MSD	MSD Result	MSD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Lead	2.77	39.4	38.2	89.9	35.9	32.2	82.0	75	125	17.0	20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: MD

10 - MOD
Instrument Detection Limits

Lab Name: SGS Environmental Services

Instrument ID: ICP Date: 09/04/08

Analyte	Wavelength (nm)	CRDL ug/L	IDL ug/L	Method
Aluminum	308.214	100	59.3	6010B
Antimony	206.833	60	2.98	6010B
Arsenic	188.978	10	4.87	6010B
Barium	233.523	100	1.82	6010B
Beryllium	313.100	10	7.12	6010B
Cadmium	214.437	10	0.819	6010B
Calcium	317.931	100	8.44	6010B
Chromium	267.708	10	1.32	6010B
Cobalt	228.615	10	2.22	6010B
Copper	324.754	10	0.762	6010B
Iron	259.936	100	47.8	6010B
Lead	220.352	10	4.74	6010B
Magnesium	279.073	100	35.4	6010B
Manganese	257.609	10	0.725	6010B
Mercury	253.700	0.2		7470
Nickel	231.602	10	3.72	6010B
Potassium	766.429	100	18.1	6010B
Selenium	196.028	20	5.72	6010B
Silver	328.071	10	0.525	6010B
Sodium	589.550	200	5.79	6010B
Thallium	190.796	10	9.18	6010B
Vanadium	292.399	50	4.04	6010B
Zinc	213.859	20	1.74	6010B

FORM X - METALS

Prep Report for Batch 14697 (METALS/3050/SOIL) on 2009-07-22 by psw

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time	Balance
G368-75-1C (634066)		0.50			50	R-1727	R-1723		HB2 95	1200	PB3002-SB
G582-406-10C (634059)		0.52			50	R-1727	R-1723		HB2 95	1200	PB3002-SB
G582-406-10D (634060)	ms	0.51	0721-754,0709-753,06	.5,.5,.25	50	R-1727	R-1723		HB2 95	1200	PB3002-SB
G582-406-10E (634061)	msd	0.56	0721-754,0709-753,06	.5,.5,.25	50	R-1727	R-1723		HB2 95	1200	PB3002-SB
G582-406-11E (634063)		0.53			50	R-1727	R-1723		HB2 95	1200	PB3002-SB
G582-406-13E (634064)		0.52			50	R-1727	R-1723		HB2 95	1200	PB3002-SB
G582-406-14E (634065)		0.55			50	R-1727	R-1723		HB2 95	1200	PB3002-SB
G582-406-5F (634062)		0.52			50	R-1727	R-1723		HB2 95	1200	PB3002-SB
G582-408-7C (634067)		0.54			50	R-1727	R-1723		HB2 95	1200	PB3002-SB
G582-408-7D (634068)	dup	0.51			50	R-1727	R-1723		HB2 95	1200	PB3002-SB
lcd14697	lcd	0.51	0721-754,0709-753,06	.5,.5,.25	50	R-1727	R-1723		HB2 95	1200	PB3002-SB
lcs14697	lcs	0.55	0721-754,0709-753,06	.5,.5,.25	50	R-1727	R-1723		HB2 95	1200	PB3002-SB
pb14697	pb	0.54			50	R-1727	R-1723		HB2 95	1200	PB3002-SB

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 072209a

Case No: G368-75

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/22/2009 End Date: 7/22/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
1	CalBlank	1	15:02		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2	Std3-	1	15:09		X	X	X	X	X		X	X		X					X	
3	Std4-	1	15:13							X			X					X		
4	Std5-	1	15:17												X	X	X			
5	Std2-	1	15:20		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6	Std1-	1	15:27		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7	icv	1	15:33		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8	icsA1	1	15:40		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
9	icsB1	1	15:47		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10	lowstd	1	15:54		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11	ccv1	1	16:01		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12	ccb1	1	16:08		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13	G296-632-7H	10	16:14		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14	G296-632-7I	10	16:21		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15	G296-632-12F	10	16:28		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16	G296-632-12F	100	16:35		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17	G296-632-13F	10	16:42		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18	G296-632-13F	100	16:49		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19	pb14681	1	16:56		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20	lcs14681	1	17:02		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21	lcd14681	1	17:09		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22	tblk071609b	1	17:16		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23	ccv2	1	17:23		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
24	ccb2	1	17:29		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
25	pb14697	1	17:36		X	X		X	X	X	X	X	X	X	X	X	X	X	X	
26	lcs14697	1	17:43		X	X		X	X	X	X	X	X	X	X	X	X	X	X	
27	lcd14697	1	17:50		X	X		X	X	X	X	X	X	X	X	X	X	X	X	
28	G582-406-10C	1	17:57		X	X		X	X	X	X	X	X	X	X	X	X	X	X	
29	G582-406-10D	1	18:03		X	X		X	X	X	X	X	X	X	X	X	X	X	X	
30	G582-406-10E	1	18:10		X	X		X	X	X	X	X	X	X	X	X	X	X	X	
31	G582-406-5F	1	18:17		X	X		X	X	X	X	X	X	X	X	X	X	X	X	
32	G582-406-11E	1	18:24		X	X		X	X	X	X	X	X	X	X	X	X	X	X	
33	G582-406-13E	1	18:31		X	X		X	X	X	X	X	X	X	X	X	X	X	X	
34	G582-406-14E	1	18:37		X			X	X	X	X	X	X	X	X	X	X	X		
35	ccv3	1	18:44		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 072209a

Case No: G368-75

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/22/2009 End Date: 7/22/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
36	ccb3	1	18:51		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
37	**GYD-CS-13**	1	18:58		X	X		X	X	X		X	X	X	X	X	X	X		
38	G582-408-7C	1	19:04		X	X		X	X	X	X	X	X	X	X	X	X	X	X	
39	G582-408-7D	1	19:11		X	X		X	X	X	X	X	X	X	X	X	X	X	X	
40	G582-408-7D	5	19:18		X	X		X	X	X	X	X	X	X	X	X	X	X	X	
41	pb14692	1	19:25		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
42	lcs14692	1	19:32		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
43	lcd14692	1	19:39		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
44	G982-3-1B	1	19:45		X	X	X	X	X	X	X	X	X	X	X	X	X	X		
45	G982-3-1C	1	19:52		X	X	X	X	X	X	X	X	X	X	X	X	X	X		
46	G982-3-1D	1	19:59		X	X	X	X	X	X	X	X	X	X	X	X	X	X		
47	ccv4	1	20:06		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
48	ccb4	1	20:13		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
49	G982-3-2B	1	20:19		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
50	G982-3-3B	1	20:26		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
51	G171-303-2B	1	20:33		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
52	G171-303-2C	1	20:40		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
53	G171-303-2C	5	20:47		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
54	pb14693	1	20:53		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
55	lcs14693	1	21:00		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
56	lcd14693	1	21:07		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
57	G805-109-2C	1	21:14		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
58	G805-109-2C	1	21:21		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
59	ccv5	1	21:27		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
60	ccb5	1	21:34		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
61	G805-109-2D	1	21:41		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
62	G805-109-2E	1	21:48		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
63	G805-108-2C	1	21:55		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
64	G805-108-2C	1	22:01		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
65	G805-108-2D	1	22:08		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
66	G805-108-2D	1	22:20		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
67	tblk072009b	1	22:27		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
68	G805-108-2D	5	22:34		X	X	X	X	X	X	X	X	X	X	X	X		X	X	
69	icsA2	1	22:40		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
70	icsB2	1	22:47		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 072209a

Case No: G368-75

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/22/2009 End Date: 7/22/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
71	ccv6	1	22:54		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
72	ccb6	1	23:01		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Analytical Sequence

Method : TALmethod_new

072209a

CN 7/23/09

Seq.	Loc.	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3- High	Applied
3	5	Std4- High - 0ES072009-1	Applied
4	6	Std5- High	Applied
5	3	Std2- Mid	Applied
6	2	Std1- Low	Applied
7	7	icv - 200.7 K	Analyzed
8	8	icsA1	Analyzed
9	9	icsB1	Analyzed
10	2	lowstd	Analyzed
11	3	ccv1	Analyzed
12	1	ccb1	Analyzed
13	10	G296-632-7H ms x10 - Na	Analyzed
14	11	G296-632-7I msd x10 - Na	Analyzed
15	12	G296-632-12F x10 - Ca	Analyzed
16	13	G296-632-12F x100	Analyzed
17	14	G296-632-13F x10 - Ca	Analyzed
18	15	G296-632-13F x100	Analyzed
19	16	pb14681	Analyzed
20	17	lcs14681	Analyzed
21	18	lcd14681	Analyzed
22	19	tblk071609b	Analyzed
23	3	ccv2	Analyzed
24	1	ccb2	Analyzed
25	20	pb14697 - Be	Analyzed
26	21	lcs14697	Analyzed
27	22	lcd14697	Analyzed
28	23	G582-406-10C - Fe Mg Al Ca Na K	Analyzed
29	24	R.R. G582-406-10D ms - Mn Fe Mg Al Ca Na K	Analyzed
30	25	Be G582-406-10E msd - "	Analyzed
31	26	G582-406-5F - "	Analyzed
32	27	G582-406-11E - "	Analyzed
33	28	G582-406-13E - "	Analyzed
34	29	10% Zn G582-406-14E - Zn Be Mn Fe Mg Al Ca Na K	Analyzed
35	3	ccv3	Analyzed
36	1	ccb3	Analyzed
37	30	G368-75-1C - Zn Mn Fe Mg Al Ca Na K	Analyzed
38	31	R.R. G582-408-7C - Mn Fe Mg Al Ca Na K	Analyzed
39	32	G582-408-7D dup - "	Analyzed
40	33	Be G582-408-7D dup SDx5 - Fe Mg Al Ca	Analyzed
41	34	pb14692	Analyzed
42	35	lcs14692	Analyzed
43	36	lcd14692	Analyzed
44	37	G982-3-1B - Zn	Analyzed
45	38	10% Zn G982-3-1C ms - "	Analyzed
46	39	G982-3-1D msd - "	Analyzed
47	3	ccv4	Analyzed
48	1	ccb4	Analyzed
49	40	G982-3-2B - Ca	Analyzed
50	41	G982-3-3B - Ca Na	Analyzed
51	42	G171-303-2B	Analyzed
52	43	G171-303-2C dup	Analyzed
53	44	G171-303-2C dup SDx5	Analyzed
54	45	pb14693 - Zn Be Be Ca Na K	Analyzed
55	46	R.R. lcs14693 - Zn Na	Analyzed
56	47	Sb lcd14693 - "	Analyzed

Analytical Sequence

Method : TALmethod_new

Seq.	Loc.		Sample ID	Status
57	48		G805-109-2C - Al Ca Na K	Analyzed
58	49		G805-109-2C as - "	Analyzed
59	3		ccv5 - Sb	Analyzed
60	1		ccb5 ✓	Analyzed
61	50	R.R	G805-109-2D ms - Ca Na K	Analyzed
62	51	Sb	G805-109-2E msd - "	Analyzed
63	52		G805-108-2C - "	Analyzed
64	53		G805-108-2C as - "	Analyzed
65	54		G805-108-2D dup - "	Analyzed
66	55		G805-108-2D dup as - "	Analyzed
67	56		tblk072009b - Zn Be Ca Na K	Analyzed
68	57		G805-108-2D dup SDx5 - Ca Na	Analyzed
69	8		icsA2 ✓	Analyzed
70	9		icsB2 ✓	Analyzed
71	3		ccv6 ✓	Analyzed
72	1		ccb6 ✓	Analyzed

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Analysis Begun

Start Time: 7/22/2009 03:02:29 PM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 7/22/2009 08:52:26 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\072209a.sif
Batch ID:
Results Data Set: 072209a
Results Library: C:\pe\Anyone\Results\Results.mdb

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Method Loaded
Method Name: TALmethod_new
IEC File: 091406.iec
Method Description: TAL with interference correction

Method Last Saved: 4/14/2009 04:46:02 PM
MSF File:

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Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/22/2009 03:02:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	259.0 kPa	0.70 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	291.9	10.98	3.76%	[0.00]	mg/L
Tl 191	-701.7	20.24	2.89%	[0.00]	mg/L
Se 196	-126.9	27.57	21.73%	[0.00]	mg/L
Sb 207	748.0	54.19	7.24%	[0.00]	mg/L
Zn 214	4461.3	132.70	2.97%	[0.00]	mg/L
Cd 214	2122.0	95.84	4.52%	[0.00]	mg/L
Pb 220	1069.2	4.15	0.39%	[0.00]	mg/L
Co 229	-2041.4	98.35	4.82%	[0.00]	mg/L
Ni 232	-498.7	205.38	41.18%	[0.00]	mg/L
Ba 234	-4454.5	545.53	12.25%	[0.00]	mg/L
Mn 258	-4269.0	594.77	13.93%	[0.00]	mg/L
Fe 260	-3146.0	0.00	0.00%	[0.00]	mg/L
Cr 268	48.4	205.38	424.26%	[0.00]	mg/L
Mg 279	466.9	80.03	17.14%	[0.00]	mg/L
V 292	6845.3	40.65	0.59%	[0.00]	mg/L
Al 308	3583.5	0.00	0.00%	[0.00]	mg/L
Be 313	-2814.2	1061.47	37.72%	[0.00]	mg/L
Ca 318	5620.4	100.30	1.78%	[0.00]	mg/L
Cu 325	34117.6	421.51	1.24%	[0.00]	mg/L
Ag 328	-2022.7	101.95	5.04%	[0.00]	mg/L
Na 590	3847.8	149.12	3.88%	[0.00]	mg/L
K 766	-1826.8	1174.65	64.30%	[0.00]	mg/L

==========

Sequence No.: 2
Sample ID: Std3- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/22/2009 03:09:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3- High

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: Std3- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	17606.5	32.34	0.18%	[1]	mg/L
Se 196	14427.2	93.92	0.65%	[1]	mg/L
Zn 214	514441.2	2761.17	0.54%	[1]	mg/L
Cd 214	778134.2	2633.83	0.34%	[1]	mg/L
Pb 220	42741.7	325.86	0.76%	[1]	mg/L
Ba 234	3928561.8	88783.52	2.26%	[5]	mg/L
Cr 268	578900.6	136.92	0.02%	[1]	mg/L
Be 313	145156.0	132.80	0.09%	[1]	mg/L
Cu 325	1211786.1	4244.52	0.35%	[1]	mg/L

==========

Sequence No.: 3 | **Autosampler Location: 5**
Sample ID: Std4- High | **Date Collected: 7/22/2009 03:13:38 PM**
Analyst: | **Data Type: Original**
Initial Sample Wt: | **Initial Sample Vol:**
Dilution: | **Sample Prep Vol:**

Nebulizer Parameters: Std4- High

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: Std4- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Co 229	243571.6	838.65	0.34%	[1]	mg/L
Ni 232	238018.4	2384.02	1.00%	[1]	mg/L
Mn 258	3740272.0	22945.46	0.61%	[1]	mg/L
Fe 260	440864.5	2224.57	0.50%	[5]	mg/L
Mg 279	42591.6	611.62	1.44%	[5]	mg/L
V 292	388218.6	2903.14	0.75%	[1]	mg/L
Al 308	83442.0	398.31	0.48%	[5]	mg/L
Ca 318	426729.0	2349.42	0.55%	[5]	mg/L
Na 590	687000.6	12739.21	1.85%	[5]	mg/L
K 766	175552.3	136.65	0.08%	[5]	mg/L

==========

Sequence No.: 4 | **Autosampler Location: 6**
Sample ID: Std5- High | **Date Collected: 7/22/2009 03:17:44 PM**
Analyst: | **Data Type: Original**
Initial Sample Wt: | **Initial Sample Vol:**
Dilution: | **Sample Prep Vol:**

Nebulizer Parameters: Std5- High

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: Std5- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Tl 191	20323.1	79.62	0.39%	[1]	mg/L
Sb 207	24021.5	107.02	0.45%	[1]	mg/L
Ag 328	845512.4	4172.78	0.49%	[1]	mg/L

==========

Sequence No.: 5 | **Autosampler Location: 3**
Sample ID: Std2- Mid | **Date Collected: 7/22/2009 03:20:23 PM**
Analyst: | **Data Type: Original**
Initial Sample Wt: | **Initial Sample Vol:**
Dilution: | **Sample Prep Vol:**

Nebulizer Parameters: Std2- Mid

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: Std2- Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	8774.1	32.06	0.37%	[0.5]	mg/L
Tl 191	10331.4	133.53	1.29%	[0.5]	mg/L
Se 196	6997.1	56.51	0.81%	[0.5]	mg/L
Sb 207	12649.4	65.22	0.52%	[0.5]	mg/L
Zn 214	253664.0	107.24	0.04%	[0.5]	mg/L
Cd 214	379969.4	470.49	0.12%	[0.5]	mg/L
Pb 220	20614.4	90.76	0.44%	[0.5]	mg/L
Co 229	121560.0	622.52	0.51%	[0.5]	mg/L
Ni 232	118320.2	1902.93	1.61%	[0.5]	mg/L
Ba 234	1940830.0	6332.80	0.33%	[2.5]	mg/L
Mn 258	1849438.3	9578.87	0.52%	[0.5]	mg/L
Fe 260	214562.8	3439.13	1.60%	[2.5]	mg/L
Cr 268	277858.2	2533.02	0.91%	[0.5]	mg/L
Mg 279	21067.5	198.07	0.94%	[2.5]	mg/L
V 292	191082.3	1574.58	0.82%	[0.5]	mg/L
Al 308	40793.0	216.31	0.53%	[2.5]	mg/L
Be 313	70748.2	265.39	0.38%	[0.5]	mg/L
Ca 318	207103.4	1054.85	0.51%	[2.5]	mg/L
Cu 325	572072.1	7491.00	1.31%	[0.5]	mg/L
Ag 328	424309.8	4170.38	0.98%	[0.5]	mg/L
Na 590	336845.6	5010.88	1.49%	[2.5]	mg/L
K 766	86376.1	1164.61	1.35%	[2.5]	mg/L

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Sequence No.: 6
Sample ID: Std1- Low
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/22/2009 03:27:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std1- Low

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: Std1- Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	170.5	45.25	26.55%	[0.01]	mg/L
Tl 191	211.5	59.18	27.98%	[0.01]	mg/L
Se 196	280.8	58.22	20.73%	[0.02]	mg/L
Sb 207	903.2	9.35	1.04%	[0.04]	mg/L
Zn 214	9646.6	239.94	2.49%	[0.02]	mg/L
Cd 214	3808.4	323.64	8.50%	[0.005]	mg/L
Pb 220	192.7	61.71	32.03%	[0.01]	mg/L
Co 229	2162.0	19.44	0.90%	[0.01]	mg/L
Ni 232	2258.1	8.05	0.36%	[0.01]	mg/L
Ba 234	74402.3	46.61	0.06%	[0.1]	mg/L
Mn 258	34663.3	532.16	1.54%	[0.01]	mg/L
Fe 260	9377.1	706.35	7.53%	[0.1]	mg/L
Cr 268	5131.3	68.46	1.33%	[0.01]	mg/L
Mg 279	800.1	14.81	1.85%	[0.1]	mg/L
V 292	18841.5	205.38	1.09%	[0.05]	mg/L
Al 308	1513.3	61.48	4.06%	[0.1]	mg/L
Be 313	844.4	132.70	15.71%	[0.01]	mg/L
Ca 318	9805.6	167.00	1.70%	[0.1]	mg/L
Cu 325	12130.1	165.77	1.37%	[0.01]	mg/L
Ag 328	7677.8	169.80	2.21%	[0.01]	mg/L
Na 590	26336.6	768.17	2.92%	[0.2]	mg/L
K 766	7402.6	285.46	3.86%	[0.2]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
As 189	3	Lin, Calc Int	-7.8	17600	0.00000	0.999999	
Tl 191	3	Lin, Calc Int	34.7	20350	0.00000	0.999964	
Se 196	3	Lin, Calc Int	-42.9	14390	0.00000	0.999880	

Sb 207	3	Lin, Calc Int	90.7	24160	0.00000	0.999592
Zn 214	3	Lin, Calc Int	-939.2	514200	0.00000	0.999976
Cd 214	3	Lin, Calc Int	-1692.3	776500	0.00000	0.999927
Pb 220	3	Lin, Calc Int	-244.2	42730	0.00000	0.999846
Co 229	3	Lin, Calc Int	-165.4	243700	0.00000	0.999999
Ni 232	3	Lin, Calc Int	-180.8	238000	0.00000	0.999996
Ba 234	3	Lin, Calc Int	-6163.2	785300	0.00000	0.999982
Mn 258	3	Lin, Calc Int	-5010.7	3738000	0.00000	0.999984
Fe 260	3	Lin, Calc Int	-815.8	87900	0.00000	0.999898
Cr 268	3	Lin, Calc Int	-2408.4	577200	0.00000	0.999790
Mg 279	3	Lin, Calc Int	-65.1	8516	0.00000	0.999986
V 292	3	Lin, Calc Int	-810.9	388000	0.00000	0.999968
Al 308	3	Lin, Calc Int	-239.6	16670	0.00000	0.999937
Be 313	3	Lin, Calc Int	-608.7	145200	0.00000	0.999922
Ca 318	3	Lin, Calc Int	-564.8	84990	0.00000	0.999867
Cu 325	3	Lin, Calc Int	-6149.9	1206000	0.00000	0.999579
Ag 328	3	Lin, Calc Int	-70.1	846200	0.00000	0.999997
Na 590	3	Lin, Calc Int	-1732.8	137300	0.00000	0.999951
K 766	3	Lin, Calc Int	-84.1	35020	0.00000	0.999958

Sequence No.: 7
Sample ID: icv
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/22/2009 03:33:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	18275.0	1.05	mg/L	0.003	1.05	mg/L	0.003	0.31%
Tl 191	20183.5	0.992	mg/L	0.0039	0.992	mg/L	0.0039	0.39%
Se 196	14530.6	1.01	mg/L	0.005	1.01	mg/L	0.005	0.47%
Sb 207	24314.2	0.991	mg/L	0.0039	0.991	mg/L	0.0039	0.39%
Zn 214	530861.6	1.03	mg/L	0.002	1.03	mg/L	0.002	0.21%
Cd 214	776528.9	1.00	mg/L	0.008	1.00	mg/L	0.008	0.80%
Pb 220	43107.2	1.01	mg/L	0.002	1.01	mg/L	0.002	0.19%
Co 229	254432.5	1.04	mg/L	0.021	1.04	mg/L	0.021	2.01%
Ni 232	249117.8	1.05	mg/L	0.004	1.05	mg/L	0.004	0.38%
Ba 234	789846.2	1.01	mg/L	0.003	1.01	mg/L	0.003	0.31%
Mn 258	3847624.8	1.03	mg/L	0.002	1.03	mg/L	0.002	0.17%
Fe 260	91680.1	1.05	mg/L	0.010	1.05	mg/L	0.010	0.98%
Cr 268	590810.9	1.03	mg/L	0.008	1.03	mg/L	0.008	0.76%
Mg 279	8618.8	1.02	mg/L	0.007	1.02	mg/L	0.007	0.69%
V 292	395349.8	1.02	mg/L	0.007	1.02	mg/L	0.007	0.70%
Al 308	17568.4	1.07	mg/L	0.012	1.07	mg/L	0.012	1.12%
Be 313	144405.3	0.999	mg/L	0.0046	0.999	mg/L	0.0046	0.46%
Ca 318	85142.6	1.01	mg/L	0.009	1.01	mg/L	0.009	0.89%
Cu 325	1178695.0	0.983	mg/L	0.0049	0.983	mg/L	0.0049	0.49%
Ag 328	426349.8	0.504	mg/L	0.0018	0.504	mg/L	0.0018	0.35%
Na 590	141827.7	1.05	mg/L	0.001	1.05	mg/L	0.001	0.11%
K 766	36693.3	1.05	mg/L	0.016	1.05	mg/L	0.016	1.49%

Sequence No.: 8
Sample ID: icsA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/22/2009 03:40:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: icsA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	129.9	0.0079	mg/L	0.00026	0.0079	mg/L	0.00026	3.24%
Tl 191	98.0	0.0031	mg/L	0.00567	0.0031	mg/L	0.00567	182.10%
Se 196	-383.4	0.0261	mg/L	0.00011	0.0261	mg/L	0.00011	0.41%
Sb 207	775.6	0.0283	mg/L	0.00117	0.0283	mg/L	0.00117	4.13%
Zn 214	6719.8	0.0024	mg/L	0.00019	0.0024	mg/L	0.00019	8.14%
Cd 214	2661.6	0.0004	mg/L	0.00011	0.0004	mg/L	0.00011	24.26%
Pb 220	-49.7	0.0046	mg/L	0.00129	0.0046	mg/L	0.00129	28.24%
Co 229	-204.8	-0.0002	mg/L	0.00033	-0.0002	mg/L	0.00033	205.46%
Ni 232	114.1	0.0012	mg/L	0.00086	0.0012	mg/L	0.00086	69.54%
Ba 234	498.7	0.0085	mg/L	0.00047	0.0085	mg/L	0.00047	5.50%
Mn 258	-1765.1	0.0009	mg/L	0.00041	0.0009	mg/L	0.00041	47.78%
Fe 260	8738781.1	99.4	mg/L	0.49	99.4	mg/L	0.49	0.49%
Cr 268	1645.9	0.0070	mg/L	0.00012	0.0070	mg/L	0.00012	1.69%
Mg 279	343500.6	40.3	mg/L	0.11	40.3	mg/L	0.11	0.26%
V 292	-116.5	0.0018	mg/L	0.00018	0.0018	mg/L	0.00018	9.86%
Al 308	1693393.8	102	mg/L	0.1	102	mg/L	0.1	0.14%
Be 313	750.5	0.0094	mg/L	0.00000	0.0094	mg/L	0.00000	0.01%
Ca 318	3320284.8	39.1	mg/L	0.20	39.1	mg/L	0.20	0.50%
Cu 325	3630.6	0.0081	mg/L	0.00007	0.0081	mg/L	0.00007	0.81%
Ag 328	287.3	0.0004	mg/L	0.00013	0.0004	mg/L	0.00013	31.45%
Na 590	85.1	0.0132	mg/L	0.00050	0.0132	mg/L	0.00050	3.77%
K 766	96.5	0.0052	mg/L	0.01366	0.0052	mg/L	0.01366	265.04%

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Sequence No.: 9
Sample ID: icsB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/22/2009 03:47:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5367.3	0.308	mg/L	0.0017	0.308	mg/L	0.0017	0.55%
Tl 191	5735.6	0.281	mg/L	0.0007	0.281	mg/L	0.0007	0.24%
Se 196	3757.0	0.313	mg/L	0.0046	0.313	mg/L	0.0046	1.47%
Sb 207	7560.8	0.306	mg/L	0.0002	0.306	mg/L	0.0002	0.07%
Zn 214	161392.5	0.302	mg/L	0.0020	0.302	mg/L	0.0020	0.68%
Cd 214	218072.7	0.278	mg/L	0.0006	0.278	mg/L	0.0006	0.21%
Pb 220	11796.2	0.282	mg/L	0.0041	0.282	mg/L	0.0041	1.46%
Co 229	68339.2	0.281	mg/L	0.0051	0.281	mg/L	0.0051	1.83%
Ni 232	65525.3	0.276	mg/L	0.0023	0.276	mg/L	0.0023	0.83%
Ba 234	748682.4	0.961	mg/L	0.0113	0.961	mg/L	0.0113	1.18%
Mn 258	1071348.8	0.288	mg/L	0.0000	0.288	mg/L	0.0000	0.01%
Fe 260	8509403.5	96.8	mg/L	0.34	96.8	mg/L	0.34	0.35%
Cr 268	164924.5	0.290	mg/L	0.0031	0.290	mg/L	0.0031	1.06%
Mg 279	327915.7	38.5	mg/L	0.83	38.5	mg/L	0.83	2.15%
V 292	113442.5	0.294	mg/L	0.0035	0.294	mg/L	0.0035	1.17%
Al 308	1641222.1	98.5	mg/L	0.25	98.5	mg/L	0.25	0.25%
Be 313	42129.7	0.294	mg/L	0.0009	0.294	mg/L	0.0009	0.31%
Ca 318	3237694.8	38.1	mg/L	0.35	38.1	mg/L	0.35	0.91%
Cu 325	352442.4	0.297	mg/L	0.0009	0.297	mg/L	0.0009	0.31%
Ag 328	238329.0	0.282	mg/L	0.0014	0.282	mg/L	0.0014	0.50%
Na 590	1015.3	0.0200	mg/L	0.00203	0.0200	mg/L	0.00203	10.16%
K 766	540.5	0.0178	mg/L	0.01173	0.0178	mg/L	0.01173	65.76%

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Sequence No.: 10
Sample ID: lowstd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/22/2009 03:54:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	175.5	0.0105	mg/L	0.00079	0.0105	mg/L	0.00079	7.49%
Tl 191	193.3	0.0078	mg/L	0.00069	0.0078	mg/L	0.00069	8.81%
Se 196	280.8	0.0226	mg/L	0.00293	0.0226	mg/L	0.00293	13.00%
Sb 207	982.6	0.0368	mg/L	0.00031	0.0368	mg/L	0.00031	0.84%
Zn 214	9253.2	0.0198	mg/L	0.00052	0.0198	mg/L	0.00052	2.62%
Cd 214	3428.2	0.0066	mg/L	0.00047	0.0066	mg/L	0.00047	7.06%
Pb 220	275.1	0.0122	mg/L	0.00119	0.0122	mg/L	0.00119	9.83%
Co 229	2409.6	0.0106	mg/L	0.00125	0.0106	mg/L	0.00125	11.84%
Ni 232	2379.0	0.0108	mg/L	0.00047	0.0108	mg/L	0.00047	4.33%
Ba 234	74920.2	0.103	mg/L	0.0000	0.103	mg/L	0.0000	0.02%
Mn 258	34319.4	0.0105	mg/L	0.00027	0.0105	mg/L	0.00027	2.59%
Fe 260	10091.3	0.124	mg/L	0.0035	0.124	mg/L	0.0035	2.78%
Cr 268	5084.6	0.0130	mg/L	0.00023	0.0130	mg/L	0.00023	1.79%
Mg 279	806.2	0.102	mg/L	0.0004	0.102	mg/L	0.0004	0.39%
V 292	19063.9	0.0512	mg/L	0.00028	0.0512	mg/L	0.00028	0.55%
Al 308	1593.6	0.110	mg/L	0.0044	0.110	mg/L	0.0044	4.03%
Be 313	1970.3	0.0178	mg/L	0.00091	0.0178	mg/L	0.00091	5.14%
Ca 318	9969.5	0.124	mg/L	0.0031	0.124	mg/L	0.0031	2.52%
Cu 325	11832.1	0.0149	mg/L	0.00065	0.0149	mg/L	0.00065	4.35%
Ag 328	7675.3	0.0092	mg/L	0.00011	0.0092	mg/L	0.00011	1.15%
Na 590	25106.0	0.195	mg/L	0.0024	0.195	mg/L	0.0024	1.21%
K 766	6799.1	0.197	mg/L	0.0103	0.197	mg/L	0.0103	5.26%

Sequence No.: 11
Sample ID: ccv1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/22/2009 04:01:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	8775.0	0.503	mg/L	0.0037	0.503	mg/L	0.0037	0.74%
Tl 191	10360.7	0.508	mg/L	0.0006	0.508	mg/L	0.0006	0.12%
Se 196	7095.3	0.497	mg/L	0.0020	0.497	mg/L	0.0020	0.40%
Sb 207	12728.0	0.518	mg/L	0.0018	0.518	mg/L	0.0018	0.35%
Zn 214	255562.5	0.496	mg/L	0.0025	0.496	mg/L	0.0025	0.51%
Cd 214	383729.4	0.496	mg/L	0.0011	0.496	mg/L	0.0011	0.21%
Pb 220	20416.0	0.483	mg/L	0.0006	0.483	mg/L	0.0006	0.12%
Co 229	121181.0	0.498	mg/L	0.0015	0.498	mg/L	0.0015	0.30%
Ni 232	119916.0	0.505	mg/L	0.0046	0.505	mg/L	0.0046	0.91%
Ba 234	1954786.5	2.50	mg/L	0.021	2.50	mg/L	0.021	0.83%
Mn 258	1849925.3	0.496	mg/L	0.0007	0.496	mg/L	0.0007	0.14%
Fe 260	216994.6	2.48	mg/L	0.007	2.48	mg/L	0.007	0.28%
Cr 268	279647.6	0.489	mg/L	0.0031	0.489	mg/L	0.0031	0.63%
Mg 279	21367.2	2.52	mg/L	0.035	2.52	mg/L	0.035	1.41%
V 292	192120.0	0.497	mg/L	0.0051	0.497	mg/L	0.0051	1.02%
Al 308	41382.7	2.50	mg/L	0.003	2.50	mg/L	0.003	0.13%
Be 313	71498.9	0.497	mg/L	0.0073	0.497	mg/L	0.0073	1.47%
Ca 318	209162.9	2.47	mg/L	0.003	2.47	mg/L	0.003	0.13%
Cu 325	567259.2	0.476	mg/L	0.0030	0.476	mg/L	0.0030	0.62%
Ag 328	423000.2	0.500	mg/L	0.0006	0.500	mg/L	0.0006	0.12%
Na 590	337130.2	2.47	mg/L	0.018	2.47	mg/L	0.018	0.71%
K 766	87389.0	2.50	mg/L	0.012	2.50	mg/L	0.012	0.47%

Sequence No.: 12
Sample ID: ccb1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/22/2009 04:08:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: ccb1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	12.7	0.0012	mg/L	0.00088	0.0012	mg/L	0.00088	73.40%
Tl 191	7.3	-0.0013	mg/L	0.00061	-0.0013	mg/L	0.00061	45.67%
Se 196	20.5	0.0044	mg/L	0.00520	0.0044	mg/L	0.00520	117.77%
Sb 207	56.7	-0.0015	mg/L	0.00060	-0.0015	mg/L	0.00060	41.12%
Zn 214	-93.8	0.0016	mg/L	0.00051	0.0016	mg/L	0.00051	31.23%
Cd 214	126.7	0.0023	mg/L	0.00040	0.0023	mg/L	0.00040	17.03%
Pb 220	-157.2	0.0020	mg/L	0.00055	0.0020	mg/L	0.00055	27.04%
Co 229	-159.7	0.0000	mg/L	0.00052	0.0000	mg/L	0.00052	>999.9%
Ni 232	118.1	0.0013	mg/L	0.00135	0.0013	mg/L	0.00135	107.16%
Ba 234	-630.6	0.0070	mg/L	0.00002	0.0070	mg/L	0.00002	0.31%
Mn 258	-674.3	0.0012	mg/L	0.00013	0.0012	mg/L	0.00013	11.16%
Fe 260	429.4	0.0142	mg/L	0.00691	0.0142	mg/L	0.00691	48.77%
Cr 268	50.2	0.0043	mg/L	0.00047	0.0043	mg/L	0.00047	11.04%
Mg 279	-128.1	-0.0074	mg/L	0.00577	-0.0074	mg/L	0.00577	78.06%
V 292	77.1	0.0023	mg/L	0.00018	0.0023	mg/L	0.00018	7.71%
Al 308	-48.4	0.0115	mg/L	0.01232	0.0115	mg/L	0.01232	107.42%
Be 313	469.1	0.0074	mg/L	0.00091	0.0074	mg/L	0.00091	12.31%
Ca 318	-51.4	0.0060	mg/L	0.00032	0.0060	mg/L	0.00032	5.37%
Cu 325	407.7	0.0054	mg/L	0.00008	0.0054	mg/L	0.00008	1.48%
Ag 328	119.2	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	36.47%
Na 590	-1254.0	0.0035	mg/L	0.00084	0.0035	mg/L	0.00084	24.22%
K 766	272.3	0.0102	mg/L	0.00642	0.0102	mg/L	0.00642	63.12%

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Sequence No.: 13
Sample ID: G296-632-7H ms x10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 7/22/2009 04:14:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G296-632-7H ms x10

Analyte	Back Pressure	Flow
All	260.0 kPa	0.70 L/min

Mean Data: G296-632-7H ms x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	680.4	0.0394	mg/L	0.00120	0.0394	mg/L	0.00120	3.04%
Tl 191	672.4	0.0314	mg/L	0.00223	0.0314	mg/L	0.00223	7.11%
Se 196	490.0	0.0372	mg/L	0.00107	0.0372	mg/L	0.00107	2.88%
Sb 207	922.9	0.0340	mg/L	0.00100	0.0340	mg/L	0.00100	2.95%
Zn 214	22501.4	0.0454	mg/L	0.00031	0.0454	mg/L	0.00031	0.68%
Cd 214	26160.0	0.0359	mg/L	0.00026	0.0359	mg/L	0.00026	0.74%
Pb 220	1366.6	0.0377	mg/L	0.00076	0.0377	mg/L	0.00076	2.03%
Co 229	8760.9	0.0366	mg/L	0.00102	0.0366	mg/L	0.00102	2.80%
Ni 232	8677.8	0.0372	mg/L	0.00072	0.0372	mg/L	0.00072	1.93%
Ba 234	131639.0	0.175	mg/L	0.0051	0.175	mg/L	0.0051	2.92%
Mn 258	137459.3	0.0381	mg/L	0.00028	0.0381	mg/L	0.00028	0.75%
Fe 260	21256.0	0.251	mg/L	0.0035	0.251	mg/L	0.0035	1.38%
Cr 268	18782.5	0.0367	mg/L	0.00036	0.0367	mg/L	0.00036	0.97%
Mg 279	6257.2	0.742	mg/L	0.0088	0.742	mg/L	0.0088	1.19%
V 292	13932.6	0.0380	mg/L	0.00042	0.0380	mg/L	0.00042	1.12%
Al 308	3389.7	0.218	mg/L	0.0075	0.218	mg/L	0.0075	3.43%
Be 313	6286.6	0.0475	mg/L	0.00457	0.0475	mg/L	0.00457	9.62%
Ca 318	48412.4	0.576	mg/L	0.0192	0.576	mg/L	0.0192	3.33%

Cu 325	47883.7	0.0448	mg/L	0.00028	0.0448	mg/L	0.00028	0.63%
Ag 328	27061.8	0.0321	mg/L	0.00016	0.0321	mg/L	0.00016	0.50%
Na 590	2002538.0	14.6	mg/L	0.02	14.6	mg/L	0.02	0.15%
K 766	38903.3	1.11	mg/L	0.015	1.11	mg/L	0.015	1.35%

Sequence No.: 14
Sample ID: G296-632-7I msd x10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 7/22/2009 04:21:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G296-632-7I msd x10

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: G296-632-7I msd x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	653.8	0.0379	mg/L	0.00048	0.0379	mg/L	0.00048	1.27%
Tl 191	634.3	0.0296	mg/L	0.00084	0.0296	mg/L	0.00084	2.85%
Se 196	528.3	0.0398	mg/L	0.00293	0.0398	mg/L	0.00293	7.36%
Sb 207	895.7	0.0329	mg/L	0.00077	0.0329	mg/L	0.00077	2.36%
Zn 214	23515.5	0.0474	mg/L	0.00000	0.0474	mg/L	0.00000	0.01%
Cd 214	28258.3	0.0386	mg/L	0.00023	0.0386	mg/L	0.00023	0.60%
Pb 220	1414.6	0.0388	mg/L	0.00257	0.0388	mg/L	0.00257	6.62%
Co 229	9576.3	0.0400	mg/L	0.00098	0.0400	mg/L	0.00098	2.44%
Ni 232	9577.9	0.0410	mg/L	0.00043	0.0410	mg/L	0.00043	1.05%
Ba 234	146841.3	0.195	mg/L	0.0001	0.195	mg/L	0.0001	0.03%
Mn 258	150285.8	0.0415	mg/L	0.00058	0.0415	mg/L	0.00058	1.40%
Fe 260	18824.2	0.223	mg/L	0.0058	0.223	mg/L	0.0058	2.59%
Cr 268	21489.9	0.0414	mg/L	0.00059	0.0414	mg/L	0.00059	1.43%
Mg 279	5713.5	0.679	mg/L	0.0150	0.679	mg/L	0.0150	2.21%
V 292	15840.2	0.0429	mg/L	0.00088	0.0429	mg/L	0.00088	2.06%
Al 308	3094.3	0.200	mg/L	0.0182	0.200	mg/L	0.0182	9.12%
Be 313	5254.5	0.0404	mg/L	0.00183	0.0404	mg/L	0.00183	4.53%
Ca 318	43138.3	0.514	mg/L	0.0070	0.514	mg/L	0.0070	1.37%
Cu 325	52571.7	0.0487	mg/L	0.00051	0.0487	mg/L	0.00051	1.05%
Ag 328	30102.9	0.0357	mg/L	0.00045	0.0357	mg/L	0.00045	1.25%
Na 590	1778319.1	13.0	mg/L	0.01	13.0	mg/L	0.01	0.06%
K 766	35372.6	1.01	mg/L	0.005	1.01	mg/L	0.005	0.54%

Sequence No.: 15
Sample ID: G296-632-12F x10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 7/22/2009 04:28:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G296-632-12F x10

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: G296-632-12F x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	26.4	0.0020	mg/L	0.00037	0.0020	mg/L	0.00037	18.62%
Tl 191	-109.2	-0.0071	mg/L	0.00267	-0.0071	mg/L	0.00267	37.85%
Se 196	1.4	0.0031	mg/L	0.00054	0.0031	mg/L	0.00054	17.27%
Sb 207	17.2	-0.0031	mg/L	0.00042	-0.0031	mg/L	0.00042	13.47%
Zn 214	2515.4	0.0067	mg/L	0.00005	0.0067	mg/L	0.00005	0.82%
Cd 214	406.6	0.0027	mg/L	0.00009	0.0027	mg/L	0.00009	3.26%
Pb 220	-213.7	0.0007	mg/L	0.00112	0.0007	mg/L	0.00112	157.23%
Co 229	-224.7	-0.0002	mg/L	0.00040	-0.0002	mg/L	0.00040	165.84%
Ni 232	371.7	0.0023	mg/L	0.00135	0.0023	mg/L	0.00135	57.97%
Ba 234	6274.5	0.0158	mg/L	0.00013	0.0158	mg/L	0.00013	0.81%
Mn 258	10989.2	0.0043	mg/L	0.00001	0.0043	mg/L	0.00001	0.29%
Fe 260	4508.9	0.0606	mg/L	0.00345	0.0606	mg/L	0.00345	5.70%

Cr 268	190.1	0.0045 mg/L	0.00012	0.0045 mg/L	0.00012	2.63%
Mg 279	7030.6	0.833 mg/L	0.0137	0.833 mg/L	0.0137	1.65%
V 292	523.4	0.0034 mg/L	0.00060	0.0034 mg/L	0.00060	17.48%
Al 308	-96.8	0.0086 mg/L	0.00000	0.0086 mg/L	0.00000	0.00%
Be 313	562.8	0.0081 mg/L	0.00000	0.0081 mg/L	0.00000	0.01%
Ca 318	445189.9	5.25 mg/L	0.019	5.25 mg/L	0.019	0.37%
Cu 325	4828.1	0.0091 mg/L	0.00014	0.0091 mg/L	0.00014	1.51%
Ag 328	-285.8	-0.0003 mg/L	0.00015	-0.0003 mg/L	0.00015	58.63%
Na 590	69922.6	0.522 mg/L	0.0012	0.522 mg/L	0.0012	0.23%
K 766	19163.6	0.550 mg/L	0.0010	0.550 mg/L	0.0010	0.18%

Sequence No.: 16
Sample ID: G296-632-12F x100
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 7/22/2009 04:35:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G296-632-12F x100

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: G296-632-12F x100

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-7.3	0.0001	mg/L	0.00148	0.0001	mg/L	0.00148	>999.9%
Tl 191	-143.0	-0.0087	mg/L	0.00130	-0.0087	mg/L	0.00130	14.91%
Se 196	-5.1	0.0026	mg/L	0.00027	0.0026	mg/L	0.00027	10.38%
Sb 207	-16.1	-0.0045	mg/L	0.00033	-0.0045	mg/L	0.00033	7.33%
Zn 214	2439.6	0.0066	mg/L	0.00077	0.0066	mg/L	0.00077	11.79%
Cd 214	422.5	0.0027	mg/L	0.00005	0.0027	mg/L	0.00005	1.75%
Pb 220	-127.6	0.0027	mg/L	0.00257	0.0027	mg/L	0.00257	94.29%
Co 229	-215.5	-0.0002	mg/L	0.00050	-0.0002	mg/L	0.00050	243.67%
Ni 232	299.0	0.0020	mg/L	0.00058	0.0020	mg/L	0.00058	28.54%
Ba 234	628.9	0.0086	mg/L	0.00010	0.0086	mg/L	0.00010	1.16%
Mn 258	3762.9	0.0023	mg/L	0.00016	0.0023	mg/L	0.00016	6.78%
Fe 260	214.7	0.0117	mg/L	0.02418	0.0117	mg/L	0.02418	206.26%
Cr 268	-147.0	0.0039	mg/L	0.00047	0.0039	mg/L	0.00047	12.00%
Mg 279	589.6	0.0769	mg/L	0.00983	0.0769	mg/L	0.00983	12.78%
V 292	649.0	0.0038	mg/L	0.00035	0.0038	mg/L	0.00035	9.38%
Al 308	-136.4	0.0062	mg/L	0.01223	0.0062	mg/L	0.01223	197.58%
Be 313	750.5	0.0094	mg/L	0.00548	0.0094	mg/L	0.00548	58.57%
Ca 318	46723.4	0.556	mg/L	0.0036	0.556	mg/L	0.0036	0.64%
Cu 325	10733.9	0.0140	mg/L	0.00009	0.0140	mg/L	0.00009	0.64%
Ag 328	-368.4	-0.0004	mg/L	0.00037	-0.0004	mg/L	0.00037	103.62%
Na 590	7194.1	0.0650	mg/L	0.00142	0.0650	mg/L	0.00142	2.18%
K 766	2435.9	0.0720	mg/L	0.00191	0.0720	mg/L	0.00191	2.65%

Sequence No.: 17
Sample ID: G296-632-13F x10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 7/22/2009 04:42:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G296-632-13F x10

Analyte	Back Pressure	Flow
All	262.0 kPa	0.70 L/min

Mean Data: G296-632-13F x10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6.6	0.0009	mg/L	0.00016	0.0009	mg/L	0.00016	18.62%
Tl 191	-83.9	-0.0058	mg/L	0.00209	-0.0058	mg/L	0.00209	36.01%
Se 196	-21.5	0.0015	mg/L	0.00045	0.0015	mg/L	0.00045	29.94%
Sb 207	14.7	-0.0032	mg/L	0.00055	-0.0032	mg/L	0.00055	17.02%
Zn 214	2291.8	0.0063	mg/L	0.00005	0.0063	mg/L	0.00005	0.73%
Cd 214	216.5	0.0025	mg/L	0.00026	0.0025	mg/L	0.00026	10.52%

Pb 220	-178.4	0.0015 mg/L	0.00081	0.0015 mg/L	0.00081	52.61%
Co 229	-321.7	-0.0006 mg/L	0.00027	-0.0006 mg/L	0.00027	41.49%
Ni 232	263.1	0.0019 mg/L	0.00072	0.0019 mg/L	0.00072	38.52%
Ba 234	3106.8	0.0118 mg/L	0.00096	0.0118 mg/L	0.00096	8.16%
Mn 258	10204.2	0.0041 mg/L	0.00028	0.0041 mg/L	0.00028	7.00%
Fe 260	4079.4	0.0557 mg/L	0.00345	0.0557 mg/L	0.00345	6.20%
Cr 268	480.6	0.0050 mg/L	0.00036	0.0050 mg/L	0.00036	7.11%
Mg 279	7288.2	0.863 mg/L	0.0082	0.863 mg/L	0.0082	0.96%
V 292	717.1	0.0039 mg/L	0.00095	0.0039 mg/L	0.00095	24.22%
Al 308	-88.0	0.0091 mg/L	0.03210	0.0091 mg/L	0.03210	353.08%
Be 313	-187.7	0.0029 mg/L	0.00183	0.0029 mg/L	0.00183	63.05%
Ca 318	466794.7	5.50 mg/L	0.039	5.50 mg/L	0.039	0.72%
Cu 325	5470.2	0.0096 mg/L	0.00045	0.0096 mg/L	0.00045	4.71%
Ag 328	-164.1	-0.0001 mg/L	0.00018	-0.0001 mg/L	0.00018	165.83%
Na 590	46542.3	0.352 mg/L	0.0038	0.352 mg/L	0.0038	1.09%
K 766	18877.5	0.541 mg/L	0.0093	0.541 mg/L	0.0093	1.73%

Sequence No.: 18
Sample ID: G296-632-13F x100
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 7/22/2009 04:49:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G296-632-13F x100

Analyte	Back Pressure	Flow
All	262.0 kPa	0.70 L/min

Mean Data: G296-632-13F x100

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	14.0	0.0013	mg/L	0.00058	0.0013	mg/L	0.00058	45.36%
Tl 191	-130.1	-0.0081	mg/L	0.00207	-0.0081	mg/L	0.00207	25.55%
Se 196	-48.8	-0.0004	mg/L	0.00244	-0.0004	mg/L	0.00244	603.10%
Sb 207	-42.2	-0.0056	mg/L	0.00084	-0.0056	mg/L	0.00084	15.11%
Zn 214	2122.1	0.0059	mg/L	0.00052	0.0059	mg/L	0.00052	8.68%
Cd 214	406.6	0.0027	mg/L	0.00027	0.0027	mg/L	0.00027	9.81%
Pb 220	-139.5	0.0025	mg/L	0.00140	0.0025	mg/L	0.00140	57.25%
Co 229	-255.2	-0.0004	mg/L	0.00039	-0.0004	mg/L	0.00039	104.63%
Ni 232	767.3	0.0040	mg/L	0.00020	0.0040	mg/L	0.00020	4.90%
Ba 234	-144.3	0.0077	mg/L	0.00028	0.0077	mg/L	0.00028	3.63%
Mn 258	6065.0	0.0030	mg/L	0.00014	0.0030	mg/L	0.00014	4.80%
Fe 260	0.0	0.0093	mg/L	0.01382	0.0093	mg/L	0.01382	148.88%
Cr 268	240.3	0.0046	mg/L	0.00000	0.0046	mg/L	0.00000	0.09%
Mg 279	763.9	0.0973	mg/L	0.00312	0.0973	mg/L	0.00312	3.21%
V 292	387.3	0.0031	mg/L	0.00131	0.0031	mg/L	0.00131	42.32%
Al 308	52.3	0.0175	mg/L	0.00378	0.0175	mg/L	0.00378	21.58%
Be 313	1125.8	0.0119	mg/L	0.00548	0.0119	mg/L	0.00548	45.90%
Ca 318	49753.6	0.592	mg/L	0.0125	0.592	mg/L	0.0125	2.11%
Cu 325	10504.7	0.0138	mg/L	0.00000	0.0138	mg/L	0.00000	0.00%
Ag 328	-116.9	-0.0001	mg/L	0.00037	-0.0001	mg/L	0.00037	660.54%
Na 590	4319.7	0.0441	mg/L	0.00152	0.0441	mg/L	0.00152	3.46%
K 766	2358.4	0.0697	mg/L	0.00006	0.0697	mg/L	0.00006	0.09%

Sequence No.: 19
Sample ID: pb14681
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 7/22/2009 04:56:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14681

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: pb14681

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

As 189	-12.7	-0.0002 mg/L	0.00150	-0.0002 mg/L	0.00150	622.14%
Tl 191	-137.3	-0.0084 mg/L	0.00022	-0.0084 mg/L	0.00022	2.57%
Se 196	-26.4	0.0012 mg/L	0.00238	0.0012 mg/L	0.00238	206.25%
Sb 207	49.2	-0.0018 mg/L	0.00248	-0.0018 mg/L	0.00248	140.61%
Zn 214	263.5	0.0023 mg/L	0.00005	0.0023 mg/L	0.00005	2.31%
Cd 214	503.4	0.0028 mg/L	0.00009	0.0028 mg/L	0.00009	3.11%
Pb 220	-128.9	0.0027 mg/L	0.00161	0.0027 mg/L	0.00161	59.65%
Co 229	-24.4	0.0006 mg/L	0.00031	0.0006 mg/L	0.00031	54.41%
Ni 232	-7.2	0.0007 mg/L	0.00084	0.0007 mg/L	0.00084	114.91%
Ba 234	-60.9	0.0078 mg/L	0.00013	0.0078 mg/L	0.00013	1.65%
Mn 258	0.0	0.0013 mg/L	0.00044	0.0013 mg/L	0.00044	33.11%
Fe 260	-289.3	0.0060 mg/L	0.00691	0.0060 mg/L	0.00691	115.35%
Cr 268	191.9	0.0045 mg/L	0.00011	0.0045 mg/L	0.00011	2.54%
Mg 279	-130.2	-0.0077 mg/L	0.00316	-0.0077 mg/L	0.00316	41.25%
V 292	96.8	0.0023 mg/L	0.00010	0.0023 mg/L	0.00010	4.48%
Al 308	-140.3	0.0060 mg/L	0.01124	0.0060 mg/L	0.01124	188.76%
Be 313	656.7	0.0087 mg/L	0.00274	0.0087 mg/L	0.00274	31.45%
Ca 318	-1764.1	-0.0141 mg/L	0.00072	-0.0141 mg/L	0.00072	5.10%
Cu 325	1549.1	0.0064 mg/L	0.00012	0.0064 mg/L	0.00012	1.92%
Ag 328	-644.3	-0.0007 mg/L	0.00008	-0.0007 mg/L	0.00008	11.19%
Na 590	-664.5	0.0078 mg/L	0.00274	0.0078 mg/L	0.00274	35.18%
K 766	129.1	0.0061 mg/L	0.01219	0.0061 mg/L	0.01219	200.22%

Sequence No.: 20
Sample ID: lcs14681
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 7/22/2009 05:02:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs14681

Analyte	Back Pressure	Flow
All	261.0 kPa	0.70 L/min

Mean Data: lcs14681

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6622.9	0.380	mg/L	0.0004	0.380	mg/L	0.0004	0.11%
Tl 191	7368.5	0.361	mg/L	0.0006	0.361	mg/L	0.0006	0.17%
Se 196	5216.0	0.366	mg/L	0.0005	0.366	mg/L	0.0005	0.14%
Sb 207	9288.2	0.376	mg/L	0.0011	0.376	mg/L	0.0011	0.29%
Zn 214	188621.4	0.367	mg/L	0.0005	0.367	mg/L	0.0005	0.14%
Cd 214	285966.1	0.370	mg/L	0.0020	0.370	mg/L	0.0020	0.54%
Pb 220	15595.1	0.371	mg/L	0.0047	0.371	mg/L	0.0047	1.26%
Co 229	98691.1	0.406	mg/L	0.0005	0.406	mg/L	0.0005	0.12%
Ni 232	92203.5	0.388	mg/L	0.0006	0.388	mg/L	0.0006	0.16%
Ba 234	1514177.7	1.94	mg/L	0.003	1.94	mg/L	0.003	0.18%
Mn 258	1451919.0	0.390	mg/L	0.0028	0.390	mg/L	0.0028	0.73%
Fe 260	174412.5	1.99	mg/L	0.013	1.99	mg/L	0.013	0.64%
Cr 268	218799.7	0.383	mg/L	0.0004	0.383	mg/L	0.0004	0.09%
Mg 279	16861.1	1.99	mg/L	0.033	1.99	mg/L	0.033	1.64%
V 292	151329.8	0.392	mg/L	0.0002	0.392	mg/L	0.0002	0.04%
Al 308	32958.5	1.99	mg/L	0.029	1.99	mg/L	0.029	1.44%
Be 313	54984.7	0.383	mg/L	0.0018	0.383	mg/L	0.0018	0.48%
Ca 318	166705.1	1.97	mg/L	0.014	1.97	mg/L	0.014	0.71%
Cu 325	473782.3	0.398	mg/L	0.0012	0.398	mg/L	0.0012	0.30%
Ag 328	310833.4	0.367	mg/L	0.0039	0.367	mg/L	0.0039	1.05%
Na 590	270868.6	1.99	mg/L	0.001	1.99	mg/L	0.001	0.04%
K 766	71068.4	2.03	mg/L	0.004	2.03	mg/L	0.004	0.19%

Sequence No.: 21
Sample ID: lcd14681
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 7/22/2009 05:09:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd14681

Analyte	Back Pressure	Flow

All 261.0 kPa 0.70 L/min

Mean Data: lcd14681

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6887.9	0.395	mg/L	0.0003	0.395	mg/L	0.0003	0.07%
Tl 191	7541.7	0.370	mg/L	0.0032	0.370	mg/L	0.0032	0.87%
Se 196	5267.9	0.370	mg/L	0.0004	0.370	mg/L	0.0004	0.10%
Sb 207	9447.5	0.383	mg/L	0.0004	0.383	mg/L	0.0004	0.11%
Zn 214	191003.2	0.371	mg/L	0.0002	0.371	mg/L	0.0002	0.05%
Cd 214	290571.1	0.376	mg/L	0.0019	0.376	mg/L	0.0019	0.51%
Pb 220	15983.1	0.380	mg/L	0.0046	0.380	mg/L	0.0046	1.21%
Co 229	98309.0	0.404	mg/L	0.0004	0.404	mg/L	0.0004	0.09%
Ni 232	95030.2	0.400	mg/L	0.0037	0.400	mg/L	0.0037	0.93%
Ba 234	1533390.4	1.96	mg/L	0.026	1.96	mg/L	0.026	1.34%
Mn 258	1458736.5	0.392	mg/L	0.0020	0.392	mg/L	0.0020	0.50%
Fe 260	176274.8	2.01	mg/L	0.045	2.01	mg/L	0.045	2.23%
Cr 268	221899.6	0.389	mg/L	0.0013	0.389	mg/L	0.0013	0.34%
Mg 279	17064.3	2.01	mg/L	0.014	2.01	mg/L	0.014	0.69%
V 292	152828.9	0.396	mg/L	0.0011	0.396	mg/L	0.0011	0.29%
Al 308	32576.2	1.97	mg/L	0.004	1.97	mg/L	0.004	0.19%
Be 313	56110.6	0.391	mg/L	0.0146	0.391	mg/L	0.0146	3.74%
Ca 318	167268.6	1.97	mg/L	0.009	1.97	mg/L	0.009	0.47%
Cu 325	476844.8	0.401	mg/L	0.0029	0.401	mg/L	0.0029	0.73%
Ag 328	311912.0	0.369	mg/L	0.0023	0.369	mg/L	0.0023	0.61%
Na 590	270827.4	1.99	mg/L	0.008	1.99	mg/L	0.008	0.41%
K 766	68223.1	1.95	mg/L	0.083	1.95	mg/L	0.083	4.23%

Sequence No.: 22
Sample ID: tblk071609b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 7/22/2009 05:16:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: tblk071609b

Analyte	Back Pressure	Flow
All	262.0 kPa	0.70 L/min

Mean Data: tblk071609b

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-9.9	-0.0001	mg/L	0.00076	-0.0001	mg/L	0.00076	958.15%
Tl 191	-20.3	-0.0027	mg/L	0.00015	-0.0027	mg/L	0.00015	5.49%
Se 196	25.3	0.0047	mg/L	0.00165	0.0047	mg/L	0.00165	34.75%
Sb 207	0.0	-0.0038	mg/L	0.00014	-0.0038	mg/L	0.00014	3.78%
Zn 214	-1068.1	-0.0003	mg/L	0.00052	-0.0003	mg/L	0.00052	206.89%
Cd 214	939.1	0.0034	mg/L	0.00018	0.0034	mg/L	0.00018	5.23%
Pb 220	-61.5	0.0043	mg/L	0.00123	0.0043	mg/L	0.00123	28.84%
Co 229	-206.3	-0.0002	mg/L	0.00009	-0.0002	mg/L	0.00009	55.50%
Ni 232	-152.4	0.0001	mg/L	0.00170	0.0001	mg/L	0.00170	>999.9%
Ba 234	-531.7	0.0072	mg/L	0.00079	0.0072	mg/L	0.00079	11.08%
Mn 258	454.5	0.0015	mg/L	0.00027	0.0015	mg/L	0.00027	18.60%
Fe 260	-359.4	0.0052	mg/L	0.01960	0.0052	mg/L	0.01960	377.46%
Cr 268	143.5	0.0044	mg/L	0.00048	0.0044	mg/L	0.00048	10.83%
Mg 279	5.5	0.0083	mg/L	0.00274	0.0083	mg/L	0.00274	33.10%
V 292	0.0	0.0021	mg/L	0.00131	0.0021	mg/L	0.00131	62.53%
Al 308	-48.4	0.0115	mg/L	0.00411	0.0115	mg/L	0.00411	35.81%
Be 313	562.9	0.0081	mg/L	0.00000	0.0081	mg/L	0.00000	0.00%
Ca 318	-1458.9	-0.0105	mg/L	0.00436	-0.0105	mg/L	0.00436	41.44%
Cu 325	1444.7	0.0063	mg/L	0.00034	0.0063	mg/L	0.00034	5.41%
Ag 328	-564.8	-0.0006	mg/L	0.00009	-0.0006	mg/L	0.00009	15.41%
Na 590	326.9	0.0150	mg/L	0.00275	0.0150	mg/L	0.00275	18.32%
K 766	215.1	0.0085	mg/L	0.00531	0.0085	mg/L	0.00531	62.11%

Sequence No.: 23
Sample ID: ccv2
Analyst:

Autosampler Location: 3
Date Collected: 7/22/2009 05:23:07 PM
Data Type: Original

Initial Sample Wt:
Dilution:
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow
All	262.0 kPa	0.70 L/min

Mean Data: ccv2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9261.9	0.531	mg/L	0.0002	0.531	mg/L	0.0002	0.04%
Tl 191	10826.3	0.531	mg/L	0.0011	0.531	mg/L	0.0011	0.20%
Se 196	7433.4	0.521	mg/L	0.0022	0.521	mg/L	0.0022	0.42%
Sb 207	13267.7	0.540	mg/L	0.0016	0.540	mg/L	0.0016	0.30%
Zn 214	264342.7	0.513	mg/L	0.0080	0.513	mg/L	0.0080	1.56%
Cd 214	400626.7	0.518	mg/L	0.0007	0.518	mg/L	0.0007	0.13%
Pb 220	21572.4	0.511	mg/L	0.0011	0.511	mg/L	0.0011	0.22%
Co 229	128369.8	0.527	mg/L	0.0014	0.527	mg/L	0.0014	0.27%
Ni 232	123505.2	0.520	mg/L	0.0035	0.520	mg/L	0.0035	0.67%
Ba 234	2037965.5	2.60	mg/L	0.068	2.60	mg/L	0.068	2.61%
Mn 258	1917360.1	0.514	mg/L	0.0003	0.514	mg/L	0.0003	0.05%
Fe 260	228089.4	2.60	mg/L	0.008	2.60	mg/L	0.008	0.31%
Cr 268	289765.0	0.506	mg/L	0.0011	0.506	mg/L	0.0011	0.21%
Mg 279	22143.6	2.61	mg/L	0.019	2.61	mg/L	0.019	0.73%
V 292	197838.3	0.512	mg/L	0.0060	0.512	mg/L	0.0060	1.17%
Al 308	42143.5	2.54	mg/L	0.012	2.54	mg/L	0.012	0.47%
Be 313	74407.6	0.517	mg/L	0.0155	0.517	mg/L	0.0155	3.01%
Ca 318	218738.4	2.58	mg/L	0.041	2.58	mg/L	0.041	1.57%
Cu 325	582418.7	0.488	mg/L	0.0070	0.488	mg/L	0.0070	1.43%
Ag 328	430386.5	0.509	mg/L	0.0022	0.509	mg/L	0.0022	0.43%
Na 590	344328.8	2.52	mg/L	0.007	2.52	mg/L	0.007	0.26%
K 766	89165.7	2.55	mg/L	0.020	2.55	mg/L	0.020	0.79%

Sequence No.: 24
Sample ID: ccb2
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 7/22/2009 05:29:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	47.7	0.0032	mg/L	0.00119	0.0032	mg/L	0.00119	37.40%
Tl 191	29.7	-0.0002	mg/L	0.00417	-0.0002	mg/L	0.00417	>999.9%
Se 196	23.5	0.0046	mg/L	0.00208	0.0046	mg/L	0.00208	44.99%
Sb 207	-3.5	-0.0040	mg/L	0.00077	-0.0040	mg/L	0.00077	19.47%
Zn 214	-469.2	0.0009	mg/L	0.00103	0.0009	mg/L	0.00103	112.91%
Cd 214	442.7	0.0027	mg/L	0.00011	0.0027	mg/L	0.00011	3.85%
Pb 220	-95.7	0.0035	mg/L	0.00045	0.0035	mg/L	0.00045	12.94%
Co 229	-236.1	-0.0003	mg/L	0.00065	-0.0003	mg/L	0.00065	223.14%
Ni 232	-185.3	0.0000	mg/L	0.00029	0.0000	mg/L	0.00029	>999.9%
Ba 234	-636.0	0.0070	mg/L	0.00015	0.0070	mg/L	0.00015	2.13%
Mn 258	44.3	0.0014	mg/L	0.00014	0.0014	mg/L	0.00014	10.53%
Fe 260	0.0	0.0093	mg/L	0.00000	0.0093	mg/L	0.00000	0.00%
Cr 268	190.1	0.0045	mg/L	0.00012	0.0045	mg/L	0.00012	2.63%
Mg 279	-62.5	0.0003	mg/L	0.01171	0.0003	mg/L	0.01171	>999.9%
V 292	1471.9	0.0059	mg/L	0.00053	0.0059	mg/L	0.00053	9.00%
Al 308	-91.9	0.0089	mg/L	0.00779	0.0089	mg/L	0.00779	87.96%
Be 313	562.8	0.0081	mg/L	0.00183	0.0081	mg/L	0.00183	22.65%
Ca 318	-125.7	0.0052	mg/L	0.00468	0.0052	mg/L	0.00468	90.68%
Cu 325	2586.1	0.0072	mg/L	0.00020	0.0072	mg/L	0.00020	2.80%
Ag 328	-263.4	-0.0002	mg/L	0.00015	-0.0002	mg/L	0.00015	67.29%
Na 590	-1573.2	0.0012	mg/L	0.00088	0.0012	mg/L	0.00088	75.73%

K 766	-111.0	-0.0008 mg/L	0.00645	-0.0008 mg/L	0.00645	837.36%

Sequence No.: 25
Sample ID: pb14697
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 7/22/2009 05:36:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14697

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: pb14697

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	19.0	0.0016	mg/L	0.00096	0.0016	mg/L	0.00096	60.97%
Tl 191	-109.4	-0.0071	mg/L	0.00164	-0.0071	mg/L	0.00164	23.13%
Se 196	-47.2	-0.0003	mg/L	0.00409	-0.0003	mg/L	0.00409	>999.9%
Sb 207	83.3	-0.0004	mg/L	0.00189	-0.0004	mg/L	0.00189	519.29%
Zn 214	-992.3	-0.0001	mg/L	0.00031	-0.0001	mg/L	0.00031	294.35%
Cd 214	561.5	0.0029	mg/L	0.00009	0.0029	mg/L	0.00009	3.06%
Pb 220	40.3	0.0067	mg/L	0.00030	0.0067	mg/L	0.00030	4.48%
Co 229	-103.2	0.0003	mg/L	0.00115	0.0003	mg/L	0.00115	451.55%
Ni 232	-259.5	-0.0003	mg/L	0.00095	-0.0003	mg/L	0.00095	286.48%
Ba 234	-399.5	0.0073	mg/L	0.00040	0.0073	mg/L	0.00040	5.45%
Mn 258	2257.8	0.0019	mg/L	0.00016	0.0019	mg/L	0.00016	8.18%
Fe 260	499.5	0.0150	mg/L	0.01269	0.0150	mg/L	0.01269	84.81%
Cr 268	480.6	0.0050	mg/L	0.00082	0.0050	mg/L	0.00082	16.42%
Mg 279	-52.2	0.0015	mg/L	0.00683	0.0015	mg/L	0.00683	450.41%
V 292	261.7	0.0028	mg/L	0.00106	0.0028	mg/L	0.00106	38.29%
Al 308	-52.3	0.0112	mg/L	0.00443	0.0112	mg/L	0.00443	39.46%
Be 313	1219.6	0.0126	mg/L	0.00640	0.0126	mg/L	0.00640	50.81%
Ca 318	-1055.9	-0.0058	mg/L	0.00626	-0.0058	mg/L	0.00626	108.32%
Cu 325	2428.0	0.0071	mg/L	0.00011	0.0071	mg/L	0.00011	1.60%
Ag 328	-953.1	-0.0010	mg/L	0.00003	-0.0010	mg/L	0.00003	2.64%
Na 590	142.5	0.0137	mg/L	0.00053	0.0137	mg/L	0.00053	3.90%
K 766	428.9	0.0146	mg/L	0.01341	0.0146	mg/L	0.01341	91.56%

Sequence No.: 26
Sample ID: lcs14697
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 7/22/2009 05:43:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs14697

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: lcs14697

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7005.7	0.402	mg/L	0.0007	0.402	mg/L	0.0007	0.16%
Tl 191	7556.3	0.370	mg/L	0.0066	0.370	mg/L	0.0066	1.78%
Se 196	5276.0	0.371	mg/L	0.0019	0.371	mg/L	0.0019	0.51%
Sb 207	9699.5	0.393	mg/L	0.0021	0.393	mg/L	0.0021	0.52%
Zn 214	194045.6	0.377	mg/L	0.0056	0.377	mg/L	0.0056	1.49%
Cd 214	299007.4	0.387	mg/L	0.0010	0.387	mg/L	0.0010	0.25%
Pb 220	16732.7	0.397	mg/L	0.0047	0.397	mg/L	0.0047	1.19%
Co 229	99456.1	0.409	mg/L	0.0004	0.409	mg/L	0.0004	0.09%
Ni 232	95727.2	0.403	mg/L	0.0007	0.403	mg/L	0.0007	0.17%
Ba 234	1570310.9	2.01	mg/L	0.010	2.01	mg/L	0.010	0.52%
Mn 258	1496331.9	0.402	mg/L	0.0005	0.402	mg/L	0.0005	0.13%
Fe 260	182786.1	2.09	mg/L	0.016	2.09	mg/L	0.016	0.77%
Cr 268	227850.4	0.399	mg/L	0.0029	0.399	mg/L	0.0029	0.71%
Mg 279	17792.0	2.10	mg/L	0.002	2.10	mg/L	0.002	0.09%
V 292	157601.7	0.408	mg/L	0.0030	0.408	mg/L	0.0030	0.73%

Al 308	33020.7	1.99	mg/L	0.008	1.99	mg/L	0.008	0.40%
Be 313	57330.4	0.399	mg/L	0.0027	0.399	mg/L	0.0027	0.69%
Ca 318	171560.6	2.03	mg/L	0.001	2.03	mg/L	0.001	0.06%
Cu 325	483270.3	0.406	mg/L	0.0009	0.406	mg/L	0.0009	0.21%
Ag 328	314454.4	0.372	mg/L	0.0037	0.372	mg/L	0.0037	0.99%
Na 590	276221.1	2.02	mg/L	0.007	2.02	mg/L	0.007	0.35%
K 766	71585.9	2.05	mg/L	0.023	2.05	mg/L	0.023	1.13%

Sequence No.: 27
Sample ID: lcd14697
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 7/22/2009 05:50:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd14697

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: lcd14697

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7023.3	0.403	mg/L	0.0031	0.403	mg/L	0.0031	0.77%
Tl 191	7563.8	0.371	mg/L	0.0027	0.371	mg/L	0.0027	0.73%
Se 196	5256.0	0.369	mg/L	0.0032	0.369	mg/L	0.0032	0.86%
Sb 207	9672.3	0.392	mg/L	0.0025	0.392	mg/L	0.0025	0.64%
Zn 214	194720.4	0.379	mg/L	0.0008	0.379	mg/L	0.0008	0.21%
Cd 214	293117.4	0.380	mg/L	0.0006	0.380	mg/L	0.0006	0.16%
Pb 220	16037.4	0.381	mg/L	0.0003	0.381	mg/L	0.0003	0.08%
Co 229	100204.2	0.412	mg/L	0.0053	0.412	mg/L	0.0053	1.30%
Ni 232	96522.1	0.406	mg/L	0.0020	0.406	mg/L	0.0020	0.49%
Ba 234	1563565.5	2.00	mg/L	0.035	2.00	mg/L	0.035	1.76%
Mn 258	1486470.0	0.399	mg/L	0.0000	0.399	mg/L	0.0000	0.00%
Fe 260	178851.3	2.04	mg/L	0.024	2.04	mg/L	0.024	1.18%
Cr 268	227317.9	0.398	mg/L	0.0011	0.398	mg/L	0.0011	0.27%
Mg 279	17677.5	2.08	mg/L	0.008	2.08	mg/L	0.008	0.40%
V 292	154831.8	0.401	mg/L	0.0012	0.401	mg/L	0.0012	0.29%
Al 308	33345.8	2.01	mg/L	0.021	2.01	mg/L	0.021	1.02%
Be 313	55923.0	0.389	mg/L	0.0055	0.389	mg/L	0.0055	1.41%
Ca 318	171630.6	2.03	mg/L	0.025	2.03	mg/L	0.025	1.23%
Cu 325	483221.9	0.406	mg/L	0.0076	0.406	mg/L	0.0076	1.86%
Ag 328	311487.1	0.368	mg/L	0.0080	0.368	mg/L	0.0080	2.18%
Na 590	275920.6	2.02	mg/L	0.003	2.02	mg/L	0.003	0.15%
K 766	70595.3	2.02	mg/L	0.038	2.02	mg/L	0.038	1.86%

Sequence No.: 28
Sample ID: G582-406-10C
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 7/22/2009 05:57:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-406-10C

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G582-406-10C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	603.3	0.0352	mg/L	0.00013	0.0352	mg/L	0.00013	0.38%
Tl 191	-60.2	-0.0026	mg/L	0.00200	-0.0026	mg/L	0.00200	77.95%
Se 196	-144.1	0.0165	mg/L	0.00023	0.0165	mg/L	0.00023	1.38%
Sb 207	-290.2	-0.0164	mg/L	0.00124	-0.0164	mg/L	0.00124	7.53%
Zn 214	36446.1	0.0667	mg/L	0.00004	0.0667	mg/L	0.00004	0.06%
Cd 214	1864.2	0.0021	mg/L	0.00005	0.0021	mg/L	0.00005	2.46%
Pb 220	981.4	0.0287	mg/L	0.00080	0.0287	mg/L	0.00080	2.80%
Co 229	4722.8	0.0201	mg/L	0.00098	0.0201	mg/L	0.00098	4.89%
Ni 232	7386.0	0.0318	mg/L	0.00058	0.0318	mg/L	0.00058	1.81%

Ba 234	221712.7	0.290 mg/L	0.0001	0.290 mg/L	0.0001	0.05%
Mn 258	3704698.1	0.992 mg/L	0.0026	0.992 mg/L	0.0026	0.26%
Fe 260	4122010.2	46.9 mg/L	0.67	46.9 mg/L	0.67	1.44%
Cr 268	32041.2	0.0597 mg/L	0.00011	0.0597 mg/L	0.00011	0.19%
Mg 279	237981.3	28.0 mg/L	0.13	28.0 mg/L	0.13	0.46%
V 292	42803.8	0.112 mg/L	0.0011	0.112 mg/L	0.0011	0.94%
Al 308	1191358.5	71.5 mg/L	0.01	71.5 mg/L	0.01	0.02%
Be 313	656.7	0.0087 mg/L	0.00091	0.0087 mg/L	0.00091	10.49%
Ca 318	21153416.7	249 mg/L	0.3	249 mg/L	0.3	0.10%
Cu 325	47896.5	0.0448 mg/L	0.00123	0.0448 mg/L	0.00123	2.73%
Ag 328	-1189.9	-0.0013 mg/L	0.00017	-0.0013 mg/L	0.00017	12.76%
Na 590	3219405.8	23.5 mg/L	0.18	23.5 mg/L	0.18	0.77%
K 766	403230.9	11.5 mg/L	0.03	11.5 mg/L	0.03	0.22%

Sequence No.: 29
Sample ID: G582-406-10D ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 7/22/2009 06:03:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-406-10D ms

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G582-406-10D ms

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
As 189	7094.8	0.407 mg/L	0.0023	0.407 mg/L	0.0023	0.58%
Tl 191	6857.4	0.338 mg/L	0.0033	0.338 mg/L	0.0033	0.98%
Se 196	4802.6	0.359 mg/L	0.0010	0.359 mg/L	0.0010	0.27%
Sb 207	5657.9	0.226 mg/L	0.0027	0.226 mg/L	0.0027	1.20%
Zn 214	245259.1	0.472 mg/L	0.0016	0.472 mg/L	0.0016	0.34%
Cd 214	269576.8	0.347 mg/L	0.0013	0.347 mg/L	0.0013	0.37%
Pb 220	16311.4	0.387 mg/L	0.0009	0.387 mg/L	0.0009	0.24%
Co 229	93872.0	0.386 mg/L	0.0041	0.386 mg/L	0.0041	1.07%
Ni 232	92683.4	0.390 mg/L	0.0002	0.390 mg/L	0.0002	0.05%
Ba 234	1697871.8	2.17 mg/L	0.007	2.17 mg/L	0.007	0.34%
Mn 258	4827935.8	1.29 mg/L	0.005	1.29 mg/L	0.005	0.37%
Fe 260	3831011.6	43.6 mg/L	0.43	43.6 mg/L	0.43	0.99%
Cr 268	237193.2	0.415 mg/L	0.0025	0.415 mg/L	0.0025	0.60%
Mg 279	253993.2	29.8 mg/L	0.60	29.8 mg/L	0.60	2.01%
V 292	190558.8	0.493 mg/L	0.0023	0.493 mg/L	0.0023	0.47%
Al 308	1199433.9	72.0 mg/L	0.03	72.0 mg/L	0.03	0.04%
Be 313	52545.0	0.366 mg/L	0.0091	0.366 mg/L	0.0091	2.50%
Ca 318	20441221.7	241 mg/L	0.1	241 mg/L	0.1	0.03%
Cu 325	511049.3	0.429 mg/L	0.0050	0.429 mg/L	0.0050	1.16%
Ag 328	301128.6	0.356 mg/L	0.0020	0.356 mg/L	0.0020	0.56%
Na 590	3351855.2	24.4 mg/L	0.14	24.4 mg/L	0.14	0.58%
K 766	470567.5	13.4 mg/L	0.01	13.4 mg/L	0.01	0.06%

Sequence No.: 30
Sample ID: G582-406-10E msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 7/22/2009 06:10:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-406-10E msd

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G582-406-10E msd

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
As 189	6881.0	0.395 mg/L	0.0009	0.395 mg/L	0.0009	0.23%
Tl 191	6593.5	0.325 mg/L	0.0032	0.325 mg/L	0.0032	0.98%
Se 196	4560.7	0.344 mg/L	0.0021	0.344 mg/L	0.0021	0.60%

Sb 207	4988.4	0.198 mg/L	0.0048	0.198 mg/L	0.0048	2.44%
Zn 214	212847.7	0.408 mg/L	0.0003	0.408 mg/L	0.0003	0.08%
Cd 214	257513.4	0.331 mg/L	0.0041	0.331 mg/L	0.0041	1.24%
Pb 220	15072.3	0.358 mg/L	0.0048	0.358 mg/L	0.0048	1.33%
Co 229	90498.8	0.372 mg/L	0.0012	0.372 mg/L	0.0012	0.31%
Ni 232	89352.9	0.376 mg/L	0.0023	0.376 mg/L	0.0023	0.61%
Ba 234	1599149.9	2.04 mg/L	0.001	2.04 mg/L	0.001	0.04%
Mn 258	5111427.9	1.37 mg/L	0.011	1.37 mg/L	0.011	0.82%
Fe 260	4254629.4	48.4 mg/L	0.94	48.4 mg/L	0.94	1.94%
Cr 268	231287.4	0.405 mg/L	0.0008	0.405 mg/L	0.0008	0.21%
Mg 279	276796.7	32.5 mg/L	0.23	32.5 mg/L	0.23	0.71%
V 292	183566.8	0.475 mg/L	0.0023	0.475 mg/L	0.0023	0.48%
Al 308	1288352.0	77.3 mg/L	0.27	77.3 mg/L	0.27	0.36%
Be 313	51888.1	0.362 mg/L	0.0009	0.362 mg/L	0.0009	0.25%
Ca 318	23135231.8	272 mg/L	1.9	272 mg/L	1.9	0.68%
Saturated within survey window (code 5)						
Cu 325	498865.5	0.419 mg/L	0.0007	0.419 mg/L	0.0007	0.16%
Ag 328	292893.6	0.346 mg/L	0.0053	0.346 mg/L	0.0053	1.55%
Na 590	3622703.2	26.4 mg/L	0.04	26.4 mg/L	0.04	0.14%
K 766	493920.6	14.1 mg/L	0.05	14.1 mg/L	0.05	0.36%

Sequence No.: 31
Sample ID: G582-406-5F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 7/22/2009 06:17:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-406-5F

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G582-406-5F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	406.2	0.0243	mg/L	0.00311	0.0243	mg/L	0.00311	12.77%
Tl 191	-18.9	-0.0001	mg/L	0.00336	-0.0001	mg/L	0.00336	>999.9%
Se 196	-206.7	0.0209	mg/L	0.00195	0.0209	mg/L	0.00195	9.35%
Sb 207	-418.1	-0.0222	mg/L	0.00329	-0.0222	mg/L	0.00329	14.83%
Zn 214	295981.7	0.569	mg/L	0.0026	0.569	mg/L	0.0026	0.46%
Cd 214	2564.8	0.0021	mg/L	0.00001	0.0021	mg/L	0.00001	0.23%
Pb 220	11455.5	0.274	mg/L	0.0033	0.274	mg/L	0.0033	1.22%
Co 229	6494.2	0.0273	mg/L	0.00039	0.0273	mg/L	0.00039	1.41%
Ni 232	11806.7	0.0504	mg/L	0.00250	0.0504	mg/L	0.00250	4.96%
Ba 234	713999.7	0.917	mg/L	0.0062	0.917	mg/L	0.0062	0.68%
Mn 258	4475977.3	1.20	mg/L	0.002	1.20	mg/L	0.002	0.20%
Fe 260	5658811.7	64.4	mg/L	0.37	64.4	mg/L	0.37	0.57%
Cr 268	55858.2	0.101	mg/L	0.0006	0.101	mg/L	0.0006	0.58%
Mg 279	864943.8	102	mg/L	0.7	102	mg/L	0.7	0.70%
V 292	40856.8	0.107	mg/L	0.0005	0.107	mg/L	0.0005	0.43%
Al 308	1253454.0	75.2	mg/L	0.18	75.2	mg/L	0.18	0.25%
Be 313	750.6	0.0094	mg/L	0.00000	0.0094	mg/L	0.00000	0.00%
Ca 318	Saturated4							
Cu 325	89245.0	0.0791	mg/L	0.00026	0.0791	mg/L	0.00026	0.33%
Ag 328	-33.2	0.0000	mg/L	0.00047	0.0000	mg/L	0.00047	>999.9%
Na 590	1174712.8	8.57	mg/L	0.030	8.57	mg/L	0.030	0.35%
K 766	424380.3	12.1	mg/L	0.16	12.1	mg/L	0.16	1.29%

Sequence No.: 32
Sample ID: G582-406-11E
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 7/22/2009 06:24:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-406-11E

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G582-406-11E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	566.1	0.0339	mg/L	0.00144	0.0339	mg/L	0.00144	4.26%
Tl 191	-179.9	-0.0074	mg/L	0.00360	-0.0074	mg/L	0.00360	48.86%
Se 196	-232.7	0.0203	mg/L	0.00035	0.0203	mg/L	0.00035	1.74%
Sb 207	-269.9	-0.0167	mg/L	0.00058	-0.0167	mg/L	0.00058	3.50%
Zn 214	346220.9	0.667	mg/L	0.0047	0.667	mg/L	0.0047	0.71%
Cd 214	2238.3	0.0016	mg/L	0.00049	0.0016	mg/L	0.00049	30.88%
Pb 220	17858.7	0.424	mg/L	0.0042	0.424	mg/L	0.0042	0.98%
Co 229	7470.9	0.0313	mg/L	0.00051	0.0313	mg/L	0.00051	1.63%
Ni 232	12618.9	0.0538	mg/L	0.00084	0.0538	mg/L	0.00084	1.56%
Ba 234	1036102.5	1.33	mg/L	0.018	1.33	mg/L	0.018	1.35%
Mn 258	5623818.7	1.51	mg/L	0.013	1.51	mg/L	0.013	0.85%
Fe 260	5879241.6	66.9	mg/L	0.63	66.9	mg/L	0.63	0.94%
Cr 268	86934.8	0.155	mg/L	0.0015	0.155	mg/L	0.0015	1.00%
Mg 279	498983.7	58.6	mg/L	0.08	58.6	mg/L	0.08	0.13%
V 292	76942.4	0.200	mg/L	0.0025	0.200	mg/L	0.0025	1.27%
Al 308	1333633.4	80.0	mg/L	0.40	80.0	mg/L	0.40	0.50%
Be 313	1782.6	0.0165	mg/L	0.00274	0.0165	mg/L	0.00274	16.65%
Ca 318	Saturated4							
Cu 325	68159.3	0.0616	mg/L	0.00017	0.0616	mg/L	0.00017	0.28%
Ag 328	-872.8	-0.0009	mg/L	0.00027	-0.0009	mg/L	0.00027	28.45%
Na 590	1877316.5	13.7	mg/L	0.19	13.7	mg/L	0.19	1.40%
K 766	312875.1	8.94	mg/L	0.064	8.94	mg/L	0.064	0.71%

Sequence No.: 33
Sample ID: G582-406-13E
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 7/22/2009 06:31:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-406-13E

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G582-406-13E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	405.1	0.0244	mg/L	0.00031	0.0244	mg/L	0.00031	1.27%
Tl 191	48.9	0.0035	mg/L	0.00293	0.0035	mg/L	0.00293	84.89%
Se 196	-311.6	0.0172	mg/L	0.00268	0.0172	mg/L	0.00268	15.57%
Sb 207	-410.3	-0.0221	mg/L	0.00123	-0.0221	mg/L	0.00123	5.59%
Zn 214	367408.6	0.707	mg/L	0.0051	0.707	mg/L	0.0051	0.73%
Cd 214	3533.0	0.0030	mg/L	0.00033	0.0030	mg/L	0.00033	10.81%
Pb 220	23245.8	0.550	mg/L	0.0013	0.550	mg/L	0.0013	0.24%
Co 229	6910.7	0.0290	mg/L	0.00027	0.0290	mg/L	0.00027	0.92%
Ni 232	15590.2	0.0663	mg/L	0.00152	0.0663	mg/L	0.00152	2.30%
Ba 234	327326.0	0.425	mg/L	0.0041	0.425	mg/L	0.0041	0.95%
Mn 258	4881843.1	1.31	mg/L	0.009	1.31	mg/L	0.009	0.69%
Fe 260	6293841.7	71.6	mg/L	0.07	71.6	mg/L	0.07	0.09%
Cr 268	66603.2	0.120	mg/L	0.0006	0.120	mg/L	0.0006	0.50%
Mg 279	446310.0	52.4	mg/L	0.29	52.4	mg/L	0.29	0.56%
V 292	46850.4	0.123	mg/L	0.0008	0.123	mg/L	0.0008	0.63%
Al 308	1493138.9	89.6	mg/L	0.35	89.6	mg/L	0.35	0.40%
Be 313	844.4	0.0100	mg/L	0.00823	0.0100	mg/L	0.00823	82.17%
Ca 318	Saturated4							
Cu 325	111525.7	0.0976	mg/L	0.00136	0.0976	mg/L	0.00136	1.40%
Ag 328	-655.1	-0.0007	mg/L	0.00037	-0.0007	mg/L	0.00037	52.84%
Na 590	2052478.0	15.0	mg/L	0.02	15.0	mg/L	0.02	0.17%
K 766	302025.9	8.63	mg/L	0.041	8.63	mg/L	0.041	0.48%

Sequence No.: 34
Sample ID: G582-406-14E
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 7/22/2009 06:37:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-406-14E

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G582-406-14E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	956.6	0.0561	mg/L	0.00159	0.0561	mg/L	0.00159	2.83%
Tl 191	-51.6	-0.0003	mg/L	0.00060	-0.0003	mg/L	0.00060	231.79%
Se 196	-332.2	0.0301	mg/L	0.00122	0.0301	mg/L	0.00122	4.05%
Sb 207	-516.8	-0.0270	mg/L	0.00123	-0.0270	mg/L	0.00123	4.56%
Zn 214	4613351.3	8.96	mg/L	0.016	8.96	mg/L	0.016	0.18%
Cd 214	11184.2	0.0114	mg/L	0.00009	0.0114	mg/L	0.00009	0.79%
Pb 220	42484.1	1.000	mg/L	0.0022	1.000	mg/L	0.0022	0.22%
Co 229	11316.3	0.0471	mg/L	0.00027	0.0471	mg/L	0.00027	0.57%
Ni 232	14631.9	0.0622	mg/L	0.00111	0.0622	mg/L	0.00111	1.78%
Ba 234	9491947.9	12.1	mg/L	0.18	12.1	mg/L	0.18	1.53%
Mn 258	7055525.4	1.89	mg/L	0.009	1.89	mg/L	0.009	0.47%
Fe 260	8800542.2	100	mg/L	1.5	100	mg/L	1.5	1.55%
Cr 268	90710.7	0.161	mg/L	0.0011	0.161	mg/L	0.0011	0.66%
Mg 279	474490.0	55.7	mg/L	0.05	55.7	mg/L	0.05	0.09%
V 292	195853.5	0.507	mg/L	0.0011	0.507	mg/L	0.0011	0.21%
Al 308	1876517.9	113	mg/L	0.3	113	mg/L	0.3	0.24%
Be 313	1782.6	0.0165	mg/L	0.00091	0.0165	mg/L	0.00091	5.55%
Ca 318	25820683.4	304	mg/L	2.1	304	mg/L	2.1	0.68%
Saturated within survey window (code 5)								
Cu 325	101637.6	0.0894	mg/L	0.00083	0.0894	mg/L	0.00083	0.93%
Ag 328	-477.1	-0.0005	mg/L	0.00047	-0.0005	mg/L	0.00047	98.73%
Na 590	2825489.6	20.6	mg/L	0.15	20.6	mg/L	0.15	0.73%
K 766	349956.8	9.99	mg/L	0.012	9.99	mg/L	0.012	0.12%

Sequence No.: 35
Sample ID: ccv3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/22/2009 06:44:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv3

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: ccv3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9356.6	0.536	mg/L	0.0007	0.536	mg/L	0.0007	0.13%
Tl 191	10820.4	0.531	mg/L	0.0005	0.531	mg/L	0.0005	0.10%
Se 196	7434.9	0.521	mg/L	0.0040	0.521	mg/L	0.0040	0.77%
Sb 207	13378.1	0.544	mg/L	0.0025	0.544	mg/L	0.0025	0.45%
Zn 214	266349.2	0.517	mg/L	0.0036	0.517	mg/L	0.0036	0.70%
Cd 214	407481.3	0.527	mg/L	0.0012	0.527	mg/L	0.0012	0.23%
Pb 220	21713.7	0.514	mg/L	0.0024	0.514	mg/L	0.0024	0.46%
Co 229	127011.1	0.522	mg/L	0.0004	0.522	mg/L	0.0004	0.08%
Ni 232	126102.4	0.531	mg/L	0.0005	0.531	mg/L	0.0005	0.10%
Ba 234	2004716.8	2.56	mg/L	0.016	2.56	mg/L	0.016	0.62%
Mn 258	1929357.2	0.517	mg/L	0.0031	0.517	mg/L	0.0031	0.60%
Fe 260	228448.7	2.61	mg/L	0.007	2.61	mg/L	0.007	0.26%
Cr 268	294702.6	0.515	mg/L	0.0011	0.515	mg/L	0.0011	0.21%
Mg 279	22841.0	2.69	mg/L	0.008	2.69	mg/L	0.008	0.30%
V 292	201906.1	0.522	mg/L	0.0013	0.522	mg/L	0.0013	0.25%
Al 308	44177.7	2.66	mg/L	0.004	2.66	mg/L	0.004	0.14%
Be 313	75721.1	0.526	mg/L	0.0064	0.526	mg/L	0.0064	1.22%
Ca 318	227277.0	2.68	mg/L	0.020	2.68	mg/L	0.020	0.76%
Cu 325	588062.1	0.493	mg/L	0.0029	0.493	mg/L	0.0029	0.60%
Ag 328	435295.6	0.514	mg/L	0.0051	0.514	mg/L	0.0051	0.99%
Na 590	350752.3	2.57	mg/L	0.014	2.57	mg/L	0.014	0.53%
K 766	91485.8	2.61	mg/L	0.018	2.61	mg/L	0.018	0.69%

Sequence No.: 36
Sample ID: ccb3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/22/2009 06:51:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb3

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: ccb3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	68.7	0.0044	mg/L	0.00002	0.0044	mg/L	0.00002	0.37%
Tl 191	46.5	0.0006	mg/L	0.00090	0.0006	mg/L	0.00090	154.38%
Se 196	-37.7	0.0004	mg/L	0.00188	0.0004	mg/L	0.00188	500.24%
Sb 207	28.4	-0.0026	mg/L	0.00165	-0.0026	mg/L	0.00165	62.68%
Zn 214	-241.7	0.0013	mg/L	0.00021	0.0013	mg/L	0.00021	15.45%
Cd 214	675.1	0.0030	mg/L	0.00018	0.0030	mg/L	0.00018	5.79%
Pb 220	-3.9	0.0056	mg/L	0.00015	0.0056	mg/L	0.00015	2.74%
Co 229	-55.8	0.0004	mg/L	0.00088	0.0004	mg/L	0.00088	195.30%
Ni 232	709.0	0.0037	mg/L	0.00037	0.0037	mg/L	0.00037	9.96%
Ba 234	-387.4	0.0074	mg/L	0.00030	0.0074	mg/L	0.00030	4.04%
Mn 258	-786.6	0.0011	mg/L	0.00068	0.0011	mg/L	0.00068	60.37%
Fe 260	788.8	0.0183	mg/L	0.00113	0.0183	mg/L	0.00113	6.17%
Cr 268	95.1	0.0043	mg/L	0.00012	0.0043	mg/L	0.00012	2.83%
Mg 279	-133.0	-0.0080	mg/L	0.01223	-0.0080	mg/L	0.01223	153.24%
V 292	1065.0	0.0048	mg/L	0.00010	0.0048	mg/L	0.00010	2.17%
Al 308	106.7	0.0208	mg/L	0.00000	0.0208	mg/L	0.00000	0.00%
Be 313	281.4	0.0061	mg/L	0.00091	0.0061	mg/L	0.00091	14.91%
Ca 318	277.2	0.0099	mg/L	0.00110	0.0099	mg/L	0.00110	11.11%
Cu 325	2593.7	0.0073	mg/L	0.00021	0.0073	mg/L	0.00021	2.92%
Ag 328	61.3	0.0002	mg/L	0.00022	0.0002	mg/L	0.00022	139.87%
Na 590	223.6	0.0143	mg/L	0.00014	0.0143	mg/L	0.00014	0.97%
K 766	491.7	0.0164	mg/L	0.01174	0.0164	mg/L	0.01174	71.38%

Sequence No.: 37
Sample ID: G368-75-1C
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 7/22/2009 06:58:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-75-1C

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G368-75-1C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	938.3	0.0551	mg/L	0.00693	0.0551	mg/L	0.00693	12.57%
Tl 191	-14.1	-0.0001	mg/L	0.00110	-0.0001	mg/L	0.00110	>999.9%
Se 196	-755.8	0.0608	mg/L	0.00615	0.0608	mg/L	0.00615	10.11%
Sb 207	3064.6	0.121	mg/L	0.0004	0.121	mg/L	0.0004	0.31%
Zn 214	1984197.8	3.83	mg/L	0.044	3.83	mg/L	0.044	1.15%
Cd 214	16761.0	0.0123	mg/L	0.00013	0.0123	mg/L	0.00013	1.06%
Pb 220	42436.2	0.999	mg/L	0.0035	0.999	mg/L	0.0035	0.35%
Co 229	12742.4	0.0530	mg/L	0.00102	0.0530	mg/L	0.00102	1.92%
Ni 232	33445.5	0.141	mg/L	0.0024	0.141	mg/L	0.0024	1.73%
Ba 234	748696.2	0.961	mg/L	0.0115	0.961	mg/L	0.0115	1.20%
Mn 258	4094754.9	1.10	mg/L	0.000	1.10	mg/L	0.000	0.01%
Fe 260	19359459.4	220	mg/L	0.9	220	mg/L	0.9	0.40%
Cr 268	96134.2	0.171	mg/L	0.0020	0.171	mg/L	0.0020	1.18%
Mg 279	217683.4	25.6	mg/L	0.24	25.6	mg/L	0.24	0.93%
V 292	89227.6	0.232	mg/L	0.0016	0.232	mg/L	0.0016	0.68%
Al 308	1939406.1	116	mg/L	0.5	116	mg/L	0.5	0.40%

Be 313	656.7	0.0087	mg/L	0.00091	0.0087	mg/L	0.00091	10.49%
Ca 318	5719004.0	67.3	mg/L	0.23	67.3	mg/L	0.23	0.33%
Cu 325	1902466.7	1.58	mg/L	0.012	1.58	mg/L	0.012	0.76%
Ag 328	-348.0	-0.0003	mg/L	0.00039	-0.0003	mg/L	0.00039	117.60%
Na 590	63993.4	0.479	mg/L	0.0119	0.479	mg/L	0.0119	2.48%
K 766	418642.7	12.0	mg/L	0.00	12.0	mg/L	0.00	0.03%

Sequence No.: 38
Sample ID: G582-408-7C
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 7/22/2009 07:04:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-408-7C

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G582-408-7C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	408.1	0.0244	mg/L	0.00268	0.0244	mg/L	0.00268	11.01%
Tl 191	-243.5	-0.0109	mg/L	0.00054	-0.0109	mg/L	0.00054	4.97%
Se 196	-327.9	0.0179	mg/L	0.00068	0.0179	mg/L	0.00068	3.77%
Sb 207	-375.3	-0.0203	mg/L	0.00041	-0.0203	mg/L	0.00041	2.00%
Zn 214	62419.2	0.114	mg/L	0.0003	0.114	mg/L	0.0003	0.24%
Cd 214	2680.1	0.0017	mg/L	0.00003	0.0017	mg/L	0.00003	1.90%
Pb 220	906.6	0.0269	mg/L	0.00205	0.0269	mg/L	0.00205	7.62%
Co 229	6384.9	0.0269	mg/L	0.00067	0.0269	mg/L	0.00067	2.48%
Ni 232	13266.4	0.0565	mg/L	0.00061	0.0565	mg/L	0.00061	1.08%
Ba 234	248520.4	0.324	mg/L	0.0008	0.324	mg/L	0.0008	0.24%
Mn 258	4855470.1	1.30	mg/L	0.006	1.30	mg/L	0.006	0.47%
Fe 260	6617261.2	75.3	mg/L	0.73	75.3	mg/L	0.73	0.97%
Cr 268	50486.6	0.0916	mg/L	0.00024	0.0916	mg/L	0.00024	0.26%
Mg 279	451622.9	53.0	mg/L	0.14	53.0	mg/L	0.14	0.26%
V 292	46414.7	0.122	mg/L	0.0006	0.122	mg/L	0.0006	0.49%
Al 308	1284670.9	77.1	mg/L	0.53	77.1	mg/L	0.53	0.68%
Be 313	750.5	0.0094	mg/L	0.00366	0.0094	mg/L	0.00366	39.04%
Ca 318	Saturated4							
Cu 325	84625.8	0.0753	mg/L	0.00120	0.0753	mg/L	0.00120	1.60%
Ag 328	440.3	0.0006	mg/L	0.00041	0.0006	mg/L	0.00041	67.24%
Na 590	1962850.8	14.3	mg/L	0.03	14.3	mg/L	0.03	0.20%
K 766	336730.1	9.62	mg/L	0.006	9.62	mg/L	0.006	0.06%

Sequence No.: 39
Sample ID: G582-408-7D dup
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 7/22/2009 07:11:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-408-7D dup

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G582-408-7D dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	410.3	0.0245	mg/L	0.00196	0.0245	mg/L	0.00196	8.01%
Tl 191	-347.4	-0.0162	mg/L	0.01447	-0.0162	mg/L	0.01447	89.22%
Se 196	-294.5	0.0197	mg/L	0.00282	0.0197	mg/L	0.00282	14.29%
Sb 207	-325.3	-0.0182	mg/L	0.00083	-0.0182	mg/L	0.00083	4.54%
Zn 214	72534.9	0.133	mg/L	0.0002	0.133	mg/L	0.0002	0.18%
Cd 214	2768.1	0.0019	mg/L	0.00007	0.0019	mg/L	0.00007	3.60%
Pb 220	1161.7	0.0329	mg/L	0.00029	0.0329	mg/L	0.00029	0.87%
Co 229	6520.2	0.0274	mg/L	0.00031	0.0274	mg/L	0.00031	1.12%
Ni 232	12638.6	0.0539	mg/L	0.00135	0.0539	mg/L	0.00135	2.50%
Ba 234	275392.6	0.359	mg/L	0.0022	0.359	mg/L	0.0022	0.61%

Mn 258	4532487.7	1.21	mg/L	0.001	1.21	mg/L	0.001	0.06%
Fe 260	6528013.0	74.3	mg/L	0.26	74.3	mg/L	0.26	0.35%
Cr 268	47772.3	0.0869	mg/L	0.00071	0.0869	mg/L	0.00071	0.82%
Mg 279	464061.3	54.5	mg/L	0.26	54.5	mg/L	0.26	0.47%
V 292	41611.7	0.109	mg/L	0.0005	0.109	mg/L	0.0005	0.48%
Al 308	1245139.8	74.7	mg/L	0.17	74.7	mg/L	0.17	0.23%
Be 313	562.9	0.0081	mg/L	0.00000	0.0081	mg/L	0.00000	0.00%
Ca 318	Saturated4							
Cu 325	81802.9	0.0729	mg/L	0.00057	0.0729	mg/L	0.00057	0.78%
Ag 328	1047.1	0.0013	mg/L	0.00028	0.0013	mg/L	0.00028	21.38%
Na 590	1902766.8	13.9	mg/L	0.06	13.9	mg/L	0.06	0.42%
K 766	317421.8	9.07	mg/L	0.045	9.07	mg/L	0.045	0.49%

Sequence No.: 40
Sample ID: G582-408-7D dup SDx5
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 33
Date Collected: 7/22/2009 07:18:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-408-7D dup SDx5

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G582-408-7D dup SDx5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	80.0	0.0052	mg/L	0.00150	0.0052	mg/L	0.00150	29.10%
Tl 191	16.6	-0.0004	mg/L	0.00096	-0.0004	mg/L	0.00096	256.88%
Se 196	-68.7	0.0056	mg/L	0.00079	0.0056	mg/L	0.00079	14.21%
Sb 207	-103.3	-0.0083	mg/L	0.00070	-0.0083	mg/L	0.00070	8.46%
Zn 214	16196.7	0.0313	mg/L	0.00105	0.0313	mg/L	0.00105	3.35%
Cd 214	816.8	0.0025	mg/L	0.00016	0.0025	mg/L	0.00016	6.50%
Pb 220	278.8	0.0122	mg/L	0.00073	0.0122	mg/L	0.00073	5.93%
Co 229	1149.4	0.0054	mg/L	0.00034	0.0054	mg/L	0.00034	6.33%
Ni 232	9190.4	0.0394	mg/L	0.00077	0.0394	mg/L	0.00077	1.96%
Ba 234	51931.7	0.0740	mg/L	0.00049	0.0740	mg/L	0.00049	0.66%
Mn 258	904643.6	0.243	mg/L	0.0026	0.243	mg/L	0.0026	1.06%
Fe 260	1292604.4	14.7	mg/L	0.09	14.7	mg/L	0.09	0.63%
Cr 268	9387.8	0.0204	mg/L	0.00035	0.0204	mg/L	0.00035	1.70%
Mg 279	91546.8	10.8	mg/L	0.04	10.8	mg/L	0.04	0.35%
V 292	9459.3	0.0265	mg/L	0.00141	0.0265	mg/L	0.00141	5.33%
Al 308	238702.4	14.3	mg/L	0.00	14.3	mg/L	0.00	0.02%
Be 313	375.3	0.0068	mg/L	0.00183	0.0068	mg/L	0.00183	26.98%
Ca 318	5863150.2	69.0	mg/L	0.21	69.0	mg/L	0.21	0.30%
Cu 325	126817.6	0.110	mg/L	0.0008	0.110	mg/L	0.0008	0.74%
Ag 328	-108.7	0.0000	mg/L	0.00029	0.0000	mg/L	0.00029	625.67%
Na 590	362155.9	2.65	mg/L	0.025	2.65	mg/L	0.025	0.95%
K 766	60662.6	1.73	mg/L	0.027	1.73	mg/L	0.027	1.56%

Sequence No.: 41
Sample ID: pb14692
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 34
Date Collected: 7/22/2009 07:25:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14692

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: pb14692

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	16.5	0.0014	mg/L	0.00185	0.0014	mg/L	0.00185	130.15%
Tl 191	13.7	-0.0010	mg/L	0.00009	-0.0010	mg/L	0.00009	8.35%
Se 196	-41.5	0.0001	mg/L	0.00292	0.0001	mg/L	0.00292	>999.9%
Sb 207	30.7	-0.0025	mg/L	0.00228	-0.0025	mg/L	0.00228	89.90%

Zn 214	-72.0	0.0017 mg/L	0.00036	0.0017 mg/L	0.00036	21.46%
Cd 214	910.1	0.0034 mg/L	0.00041	0.0034 mg/L	0.00041	12.09%
Pb 220	43.3	0.0067 mg/L	0.00033	0.0067 mg/L	0.00033	4.88%
Co 229	-288.1	-0.0005 mg/L	0.00035	-0.0005 mg/L	0.00035	68.69%
Ni 232	301.6	0.0020 mg/L	0.00030	0.0020 mg/L	0.00030	15.02%
Ba 234	-1266.6	0.0062 mg/L	0.00112	0.0062 mg/L	0.00112	18.02%
Mn 258	420.6	0.0015 mg/L	0.00000	0.0015 mg/L	0.00000	0.00%
Fe 260	214.7	0.0117 mg/L	0.01036	0.0117 mg/L	0.01036	88.40%
Cr 268	529.0	0.0051 mg/L	0.00094	0.0051 mg/L	0.00094	18.48%
Mg 279	13.4	0.0092 mg/L	0.01298	0.0092 mg/L	0.01298	140.91%
V 292	2043.8	0.0074 mg/L	0.00035	0.0074 mg/L	0.00035	4.80%
Al 308	206.3	0.0267 mg/L	0.00042	0.0267 mg/L	0.00042	1.57%
Be 313	469.0	0.0074 mg/L	0.00274	0.0074 mg/L	0.00274	36.93%
Ca 318	-656.3	-0.0011 mg/L	0.00118	-0.0011 mg/L	0.00118	109.54%
Cu 325	2703.3	0.0073 mg/L	0.00023	0.0073 mg/L	0.00023	3.09%
Ag 328	-643.5	-0.0007 mg/L	0.00012	-0.0007 mg/L	0.00012	17.15%
Na 590	-87.2	0.0120 mg/L	0.00334	0.0120 mg/L	0.00334	27.86%
K 766	273.3	0.0102 mg/L	0.01574	0.0102 mg/L	0.01574	154.31%

Sequence No.: 42
Sample ID: lcs14692
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 7/22/2009 07:32:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs14692

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: lcs14692

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7035.4	0.403	mg/L	0.0002	0.403	mg/L	0.0002	0.05%
Tl 191	7525.7	0.369	mg/L	0.0003	0.369	mg/L	0.0003	0.07%
Se 196	5379.5	0.378	mg/L	0.0039	0.378	mg/L	0.0039	1.02%
Sb 207	9694.5	0.393	mg/L	0.0021	0.393	mg/L	0.0021	0.53%
Zn 214	194023.8	0.377	mg/L	0.0019	0.377	mg/L	0.0019	0.50%
Cd 214	299020.6	0.387	mg/L	0.0040	0.387	mg/L	0.0040	1.04%
Pb 220	16101.7	0.383	mg/L	0.0028	0.383	mg/L	0.0028	0.73%
Co 229	98284.5	0.404	mg/L	0.0021	0.404	mg/L	0.0021	0.51%
Ni 232	95499.6	0.402	mg/L	0.0059	0.402	mg/L	0.0059	1.46%
Ba 234	1502379.2	1.92	mg/L	0.011	1.92	mg/L	0.011	0.57%
Mn 258	1468928.9	0.394	mg/L	0.0010	0.394	mg/L	0.0010	0.26%
Fe 260	177348.4	2.03	mg/L	0.014	2.03	mg/L	0.014	0.68%
Cr 268	222767.5	0.390	mg/L	0.0030	0.390	mg/L	0.0030	0.76%
Mg 279	17797.5	2.10	mg/L	0.002	2.10	mg/L	0.002	0.10%
V 292	154618.5	0.401	mg/L	0.0049	0.401	mg/L	0.0049	1.23%
Al 308	34710.0	2.10	mg/L	0.028	2.10	mg/L	0.028	1.34%
Be 313	56298.2	0.392	mg/L	0.0037	0.392	mg/L	0.0037	0.93%
Ca 318	173464.8	2.05	mg/L	0.031	2.05	mg/L	0.031	1.49%
Cu 325	474154.3	0.398	mg/L	0.0023	0.398	mg/L	0.0023	0.57%
Ag 328	312745.7	0.370	mg/L	0.0043	0.370	mg/L	0.0043	1.16%
Na 590	280164.5	2.05	mg/L	0.034	2.05	mg/L	0.034	1.65%
K 766	73701.5	2.11	mg/L	0.000	2.11	mg/L	0.000	0.01%

Sequence No.: 43
Sample ID: lcd14692
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 7/22/2009 07:39:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd14692

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: lcd14692

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7040.7	0.404	mg/L	0.0063	0.404	mg/L	0.0063	1.56%
Tl 191	7591.6	0.372	mg/L	0.0033	0.372	mg/L	0.0033	0.88%
Se 196	5420.7	0.381	mg/L	0.0033	0.381	mg/L	0.0033	0.86%
Sb 207	9769.6	0.396	mg/L	0.0023	0.396	mg/L	0.0023	0.57%
Zn 214	194023.8	0.377	mg/L	0.0007	0.377	mg/L	0.0007	0.20%
Cd 214	299598.0	0.388	mg/L	0.0014	0.388	mg/L	0.0014	0.37%
Pb 220	16430.6	0.390	mg/L	0.0024	0.390	mg/L	0.0024	0.61%
Co 229	99270.4	0.408	mg/L	0.0016	0.408	mg/L	0.0016	0.39%
Ni 232	96825.1	0.408	mg/L	0.0041	0.408	mg/L	0.0041	1.01%
Ba 234	1555548.2	1.99	mg/L	0.020	1.99	mg/L	0.020	1.01%
Mn 258	1491959.5	0.400	mg/L	0.0003	0.400	mg/L	0.0003	0.07%
Fe 260	178132.6	2.04	mg/L	0.010	2.04	mg/L	0.010	0.51%
Cr 268	228284.3	0.400	mg/L	0.0027	0.400	mg/L	0.0027	0.68%
Mg 279	17588.9	2.07	mg/L	0.009	2.07	mg/L	0.009	0.44%
V 292	156719.7	0.406	mg/L	0.0040	0.406	mg/L	0.0040	0.97%
Al 308	34701.2	2.10	mg/L	0.029	2.10	mg/L	0.029	1.37%
Be 313	57236.6	0.399	mg/L	0.0018	0.399	mg/L	0.0018	0.46%
Ca 318	171846.8	2.03	mg/L	0.025	2.03	mg/L	0.025	1.22%
Cu 325	482488.2	0.405	mg/L	0.0011	0.405	mg/L	0.0011	0.28%
Ag 328	313022.1	0.370	mg/L	0.0027	0.370	mg/L	0.0027	0.74%
Na 590	280117.2	2.05	mg/L	0.020	2.05	mg/L	0.020	0.96%
K 766	73097.8	2.09	mg/L	0.012	2.09	mg/L	0.012	0.57%

Sequence No.: 44
Sample ID: G982-3-1B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 7/22/2009 07:45:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G982-3-1B

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G982-3-1B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6.0	0.0008	mg/L	0.00015	0.0008	mg/L	0.00015	18.17%
Tl 191	-36.8	-0.0035	mg/L	0.00033	-0.0035	mg/L	0.00033	9.41%
Se 196	-86.5	-0.0030	mg/L	0.00152	-0.0030	mg/L	0.00152	50.84%
Sb 207	33.4	-0.0024	mg/L	0.00090	-0.0024	mg/L	0.00090	37.30%
Zn 214	550248.5	1.07	mg/L	0.006	1.07	mg/L	0.006	0.55%
Cd 214	1333.4	0.0039	mg/L	0.00039	0.0039	mg/L	0.00039	9.96%
Pb 220	-16.3	0.0053	mg/L	0.00003	0.0053	mg/L	0.00003	0.58%
Co 229	-423.4	-0.0011	mg/L	0.00060	-0.0011	mg/L	0.00060	56.54%
Ni 232	708.8	0.0037	mg/L	0.00129	0.0037	mg/L	0.00129	34.43%
Ba 234	4010.5	0.0130	mg/L	0.00027	0.0130	mg/L	0.00027	2.08%
Mn 258	53777.5	0.0157	mg/L	0.00060	0.0157	mg/L	0.00060	3.81%
Fe 260	6226.5	0.0801	mg/L	0.00345	0.0801	mg/L	0.00345	4.31%
Cr 268	337.1	0.0048	mg/L	0.00024	0.0048	mg/L	0.00024	5.08%
Mg 279	425.2	0.0576	mg/L	0.00247	0.0576	mg/L	0.00247	4.30%
V 292	2004.4	0.0073	mg/L	0.00071	0.0073	mg/L	0.00071	9.73%
Al 308	545.2	0.0471	mg/L	0.00369	0.0471	mg/L	0.00369	7.83%
Be 313	375.2	0.0068	mg/L	0.00000	0.0068	mg/L	0.00000	0.01%
Ca 318	119742.3	1.42	mg/L	0.023	1.42	mg/L	0.023	1.65%
Cu 325	2565.7	0.0072	mg/L	0.00034	0.0072	mg/L	0.00034	4.71%
Ag 328	-241.8	-0.0002	mg/L	0.00028	-0.0002	mg/L	0.00028	135.61%
Na 590	14294.6	0.117	mg/L	0.0015	0.117	mg/L	0.0015	1.32%
K 766	2859.5	0.0840	mg/L	0.00212	0.0840	mg/L	0.00212	2.52%

Sequence No.: 45
Sample ID: G982-3-1C ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 7/22/2009 07:52:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G982-3-1C ms

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G982-3-1C ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6903.1	0.396	mg/L	0.0040	0.396	mg/L	0.0040	1.02%
Tl 191	7510.2	0.368	mg/L	0.0016	0.368	mg/L	0.0016	0.44%
Se 196	5333.5	0.375	mg/L	0.0003	0.375	mg/L	0.0003	0.08%
Sb 207	9787.2	0.397	mg/L	0.0019	0.397	mg/L	0.0019	0.49%
Zn 214	739880.2	1.44	mg/L	0.010	1.44	mg/L	0.010	0.72%
Cd 214	299755.5	0.388	mg/L	0.0014	0.388	mg/L	0.0014	0.36%
Pb 220	16431.1	0.390	mg/L	0.0031	0.390	mg/L	0.0031	0.80%
Co 229	99006.7	0.407	mg/L	0.0034	0.407	mg/L	0.0034	0.82%
Ni 232	96467.8	0.406	mg/L	0.0007	0.406	mg/L	0.0007	0.17%
Ba 234	1569554.9	2.01	mg/L	0.012	2.01	mg/L	0.012	0.61%
Mn 258	1542229.4	0.414	mg/L	0.0037	0.414	mg/L	0.0037	0.89%
Fe 260	186221.4	2.13	mg/L	0.025	2.13	mg/L	0.025	1.19%
Cr 268	228382.9	0.400	mg/L	0.0039	0.400	mg/L	0.0039	0.98%
Mg 279	18114.1	2.13	mg/L	0.031	2.13	mg/L	0.031	1.47%
V 292	157852.8	0.409	mg/L	0.0010	0.409	mg/L	0.0010	0.25%
Al 308	35133.0	2.12	mg/L	0.009	2.12	mg/L	0.009	0.40%
Be 313	57705.7	0.402	mg/L	0.0009	0.402	mg/L	0.0009	0.23%
Ca 318	294849.8	3.48	mg/L	0.055	3.48	mg/L	0.055	1.58%
Cu 325	483048.7	0.406	mg/L	0.0020	0.406	mg/L	0.0020	0.48%
Ag 328	317066.4	0.375	mg/L	0.0018	0.375	mg/L	0.0018	0.47%
Na 590	294653.2	2.16	mg/L	0.008	2.16	mg/L	0.008	0.35%
K 766	75104.6	2.15	mg/L	0.023	2.15	mg/L	0.023	1.07%

Sequence No.: 46
Sample ID: G982-3-1D msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 7/22/2009 07:59:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G982-3-1D msd

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G982-3-1D msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6982.2	0.400	mg/L	0.0001	0.400	mg/L	0.0001	0.01%
Tl 191	7591.8	0.372	mg/L	0.0011	0.372	mg/L	0.0011	0.28%
Se 196	5339.6	0.375	mg/L	0.0018	0.375	mg/L	0.0018	0.48%
Sb 207	9643.5	0.391	mg/L	0.0012	0.391	mg/L	0.0012	0.31%
Zn 214	749544.8	1.46	mg/L	0.007	1.46	mg/L	0.007	0.47%
Cd 214	296447.9	0.384	mg/L	0.0013	0.384	mg/L	0.0013	0.35%
Pb 220	16278.0	0.387	mg/L	0.0006	0.387	mg/L	0.0006	0.16%
Co 229	97877.2	0.402	mg/L	0.0057	0.402	mg/L	0.0057	1.43%
Ni 232	95509.5	0.402	mg/L	0.0048	0.402	mg/L	0.0048	1.19%
Ba 234	1550524.8	1.98	mg/L	0.047	1.98	mg/L	0.047	2.36%
Mn 258	1522362.6	0.409	mg/L	0.0027	0.409	mg/L	0.0027	0.65%
Fe 260	180783.7	2.07	mg/L	0.035	2.07	mg/L	0.035	1.67%
Cr 268	225772.3	0.395	mg/L	0.0001	0.395	mg/L	0.0001	0.03%
Mg 279	18006.3	2.12	mg/L	0.021	2.12	mg/L	0.021	0.98%
V 292	156061.7	0.404	mg/L	0.0060	0.404	mg/L	0.0060	1.48%
Al 308	34745.8	2.10	mg/L	0.009	2.10	mg/L	0.009	0.41%
Be 313	56579.8	0.394	mg/L	0.0046	0.394	mg/L	0.0046	1.16%
Ca 318	293686.1	3.46	mg/L	0.030	3.46	mg/L	0.030	0.87%
Cu 325	480946.7	0.404	mg/L	0.0030	0.404	mg/L	0.0030	0.73%
Ag 328	311281.3	0.368	mg/L	0.0009	0.368	mg/L	0.0009	0.23%
Na 590	291401.8	2.14	mg/L	0.008	2.14	mg/L	0.008	0.36%
K 766	75400.1	2.16	mg/L	0.010	2.16	mg/L	0.010	0.45%

Sequence No.: 47

Autosampler Location: 3

Sample ID: ccv4
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 7/22/2009 08:06:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv4

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: ccv4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9253.9	0.530	mg/L	0.0003	0.530	mg/L	0.0003	0.06%
Tl 191	10698.2	0.525	mg/L	0.0003	0.525	mg/L	0.0003	0.05%
Se 196	7387.4	0.518	mg/L	0.0005	0.518	mg/L	0.0005	0.10%
Sb 207	13455.0	0.547	mg/L	0.0014	0.547	mg/L	0.0014	0.25%
Zn 214	266371.0	0.517	mg/L	0.0044	0.517	mg/L	0.0044	0.85%
Cd 214	402656.3	0.521	mg/L	0.0047	0.521	mg/L	0.0047	0.90%
Pb 220	21870.3	0.518	mg/L	0.0044	0.518	mg/L	0.0044	0.84%
Co 229	128492.8	0.528	mg/L	0.0047	0.528	mg/L	0.0047	0.90%
Ni 232	125887.3	0.530	mg/L	0.0022	0.530	mg/L	0.0022	0.41%
Ba 234	1968453.2	2.51	mg/L	0.018	2.51	mg/L	0.018	0.72%
Mn 258	1922063.0	0.516	mg/L	0.0004	0.516	mg/L	0.0004	0.08%
Fe 260	227515.3	2.60	mg/L	0.031	2.60	mg/L	0.031	1.20%
Cr 268	292474.1	0.511	mg/L	0.0015	0.511	mg/L	0.0015	0.30%
Mg 279	22612.5	2.66	mg/L	0.012	2.66	mg/L	0.012	0.45%
V 292	201062.0	0.520	mg/L	0.0025	0.520	mg/L	0.0025	0.49%
Al 308	43754.7	2.64	mg/L	0.010	2.64	mg/L	0.010	0.36%
Be 313	73094.0	0.508	mg/L	0.0064	0.508	mg/L	0.0064	1.26%
Ca 318	222819.8	2.63	mg/L	0.004	2.63	mg/L	0.004	0.15%
Cu 325	593718.3	0.498	mg/L	0.0026	0.498	mg/L	0.0026	0.53%
Ag 328	439424.5	0.519	mg/L	0.0020	0.519	mg/L	0.0020	0.38%
Na 590	352926.2	2.58	mg/L	0.039	2.58	mg/L	0.039	1.52%
K 766	93201.9	2.66	mg/L	0.017	2.66	mg/L	0.017	0.64%

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Sequence No.: 48
Sample ID: ccb4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/22/2009 08:13:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb4

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: ccb4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	23.0	0.0018	mg/L	0.00074	0.0018	mg/L	0.00074	41.38%
Tl 191	37.9	0.0002	mg/L	0.00328	0.0002	mg/L	0.00328	>999.9%
Se 196	-38.0	0.0004	mg/L	0.00373	0.0004	mg/L	0.00373	>999.9%
Sb 207	-24.0	-0.0048	mg/L	0.00120	-0.0048	mg/L	0.00120	25.02%
Zn 214	-804.6	0.0003	mg/L	0.00021	0.0003	mg/L	0.00021	81.02%
Cd 214	852.8	0.0033	mg/L	0.00025	0.0033	mg/L	0.00025	7.73%
Pb 220	-158.0	0.0020	mg/L	0.00061	0.0020	mg/L	0.00061	30.48%
Co 229	-499.8	-0.0014	mg/L	0.00130	-0.0014	mg/L	0.00130	94.70%
Ni 232	167.8	0.0015	mg/L	0.00066	0.0015	mg/L	0.00066	45.05%
Ba 234	-615.1	0.0071	mg/L	0.00053	0.0071	mg/L	0.00053	7.44%
Mn 258	376.3	0.0014	mg/L	0.00030	0.0014	mg/L	0.00030	20.92%
Fe 260	644.1	0.0166	mg/L	0.00345	0.0166	mg/L	0.00345	20.80%
Cr 268	-50.2	0.0041	mg/L	0.00023	0.0041	mg/L	0.00023	5.70%
Mg 279	-50.1	0.0018	mg/L	0.00369	0.0018	mg/L	0.00369	210.12%
V 292	1113.4	0.0050	mg/L	0.00078	0.0050	mg/L	0.00078	15.68%
Al 308	242.0	0.0289	mg/L	0.00411	0.0289	mg/L	0.00411	14.21%
Be 313	375.2	0.0068	mg/L	0.00183	0.0068	mg/L	0.00183	26.97%
Ca 318	-191.9	0.0044	mg/L	0.00579	0.0044	mg/L	0.00579	131.87%
Cu 325	2593.7	0.0073	mg/L	0.00031	0.0073	mg/L	0.00031	4.24%

Ag 328	114.1	0.0002	mg/L	0.00012	0.0002	mg/L	0.00012 55.33%
Na 590	-1314.8	0.0030	mg/L	0.00542	0.0030	mg/L	0.00542 178.01%
K 766	-238.3	-0.0044	mg/L	0.01189	-0.0044	mg/L	0.01189 269.89%

Sequence No.: 49
Sample ID: G982-3-2B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 7/22/2009 08:19:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G982-3-2B

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G982-3-2B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	10.6	0.0011	mg/L	0.00124	0.0011	mg/L	0.00124	112.77%
Tl 191	-102.7	-0.0064	mg/L	0.00037	-0.0064	mg/L	0.00037	5.73%
Se 196	-58.3	-0.0009	mg/L	0.00164	-0.0009	mg/L	0.00164	178.87%
Sb 207	77.6	-0.0006	mg/L	0.00143	-0.0006	mg/L	0.00143	235.81%
Zn 214	20552.7	0.0417	mg/L	0.00011	0.0417	mg/L	0.00011	0.26%
Cd 214	1220.7	0.0037	mg/L	0.00006	0.0037	mg/L	0.00006	1.72%
Pb 220	211.0	0.0107	mg/L	0.00252	0.0107	mg/L	0.00252	23.67%
Co 229	-220.9	-0.0002	mg/L	0.00050	-0.0002	mg/L	0.00050	218.15%
Ni 232	912.5	0.0046	mg/L	0.00014	0.0046	mg/L	0.00014	3.14%
Ba 234	4166.6	0.0132	mg/L	0.00094	0.0132	mg/L	0.00094	7.18%
Mn 258	577489.6	0.156	mg/L	0.0005	0.156	mg/L	0.0005	0.29%
Fe 260	26409.0	0.310	mg/L	0.0035	0.310	mg/L	0.0035	1.12%
Cr 268	1061.5	0.0060	mg/L	0.00036	0.0060	mg/L	0.00036	5.92%
Mg 279	3753.9	0.448	mg/L	0.0139	0.448	mg/L	0.0139	3.11%
V 292	1307.0	0.0055	mg/L	0.00078	0.0055	mg/L	0.00078	14.24%
Al 308	3138.8	0.203	mg/L	0.0041	0.203	mg/L	0.0041	2.03%
Be 313	844.3	0.0100	mg/L	0.00274	0.0100	mg/L	0.00274	27.41%
Ca 318	1133584.3	13.3	mg/L	0.18	13.3	mg/L	0.18	1.32%
Cu 325	6736.4	0.0107	mg/L	0.00010	0.0107	mg/L	0.00010	0.98%
Ag 328	-375.2	-0.0004	mg/L	0.00007	-0.0004	mg/L	0.00007	19.21%
Na 590	68821.4	0.514	mg/L	0.0016	0.514	mg/L	0.0016	0.32%
K 766	26684.7	0.764	mg/L	0.0108	0.764	mg/L	0.0108	1.41%

Sequence No.: 50
Sample ID: G982-3-3B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 7/22/2009 08:26:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G982-3-3B

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G982-3-3B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	46.3	0.0031	mg/L	0.00073	0.0031	mg/L	0.00073	23.40%
Tl 191	-162.1	-0.0090	mg/L	0.00151	-0.0090	mg/L	0.00151	16.84%
Se 196	-54.3	-0.0004	mg/L	0.00055	-0.0004	mg/L	0.00055	140.64%
Sb 207	72.9	-0.0008	mg/L	0.00038	-0.0008	mg/L	0.00038	46.42%
Zn 214	36727.6	0.0731	mg/L	0.00133	0.0731	mg/L	0.00133	1.82%
Cd 214	826.5	0.0032	mg/L	0.00052	0.0032	mg/L	0.00052	16.31%
Pb 220	289.6	0.0125	mg/L	0.00104	0.0125	mg/L	0.00104	8.35%
Co 229	-194.1	-0.0001	mg/L	0.00019	-0.0001	mg/L	0.00019	161.65%
Ni 232	795.4	0.0041	mg/L	0.00118	0.0041	mg/L	0.00118	28.69%
Ba 234	10550.7	0.0213	mg/L	0.00032	0.0213	mg/L	0.00032	1.50%
Mn 258	1237365.3	0.332	mg/L	0.0037	0.332	mg/L	0.0037	1.11%
Fe 260	69635.3	0.801	mg/L	0.0080	0.801	mg/L	0.0080	1.00%
Cr 268	1887.9	0.0074	mg/L	0.00024	0.0074	mg/L	0.00024	3.19%

Mg 279	15511.1	1.83 mg/L	0.027	1.83 mg/L	0.027	1.47%
V 292	3524.8	0.0112 mg/L	0.00060	0.0112 mg/L	0.00060	5.38%
Al 308	11565.8	0.708 mg/L	0.0202	0.708 mg/L	0.0202	2.85%
Be 313	375.2	0.0068 mg/L	0.00183	0.0068 mg/L	0.00183	26.96%
Ca 318	4174932.4	49.1 mg/L	0.13	49.1 mg/L	0.13	0.27%
Cu 325	11984.9	0.0150 mg/L	0.00060	0.0150 mg/L	0.00060	3.99%
Ag 328	-415.8	-0.0004 mg/L	0.00040	-0.0004 mg/L	0.00040	98.59%
Na 590	1109772.4	8.10 mg/L	0.074	8.10 mg/L	0.074	0.92%
K 766	126162.2	3.60 mg/L	0.008	3.60 mg/L	0.008	0.23%

Sequence No.: 51
Sample ID: G171-303-2B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 7/22/2009 08:33:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G171-303-2B

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G171-303-2B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	21.9	0.0017	mg/L	0.00043	0.0017	mg/L	0.00043	24.73%
Tl 191	-138.0	-0.0085	mg/L	0.00160	-0.0085	mg/L	0.00160	18.88%
Se 196	-23.7	0.0014	mg/L	0.00412	0.0014	mg/L	0.00412	304.15%
Sb 207	40.6	-0.0021	mg/L	0.00159	-0.0021	mg/L	0.00159	74.50%
Zn 214	85371.7	0.168	mg/L	0.0015	0.168	mg/L	0.0015	0.92%
Cd 214	820.3	0.0032	mg/L	0.00062	0.0032	mg/L	0.00062	19.08%
Pb 220	44.0	0.0067	mg/L	0.00506	0.0067	mg/L	0.00506	75.10%
Co 229	-250.7	-0.0004	mg/L	0.00014	-0.0004	mg/L	0.00014	39.26%
Ni 232	415.5	0.0025	mg/L	0.00024	0.0025	mg/L	0.00024	9.45%
Ba 234	6835.8	0.0166	mg/L	0.00043	0.0166	mg/L	0.00043	2.57%
Mn 258	7481.6	0.0033	mg/L	0.00014	0.0033	mg/L	0.00014	4.26%
Fe 260	2791.2	0.0410	mg/L	0.00345	0.0410	mg/L	0.00345	8.42%
Cr 268	722.6	0.0054	mg/L	0.00094	0.0054	mg/L	0.00094	17.33%
Mg 279	3453.8	0.413	mg/L	0.0045	0.413	mg/L	0.0045	1.09%
V 292	1384.2	0.0057	mg/L	0.00106	0.0057	mg/L	0.00106	18.71%
Al 308	1207.4	0.0868	mg/L	0.00303	0.0868	mg/L	0.00303	3.49%
Be 313	-375.4	0.0016	mg/L	0.00183	0.0016	mg/L	0.00183	113.77%
Ca 318	328539.7	3.87	mg/L	0.008	3.87	mg/L	0.008	0.21%
Cu 325	2586.1	0.0072	mg/L	0.00004	0.0072	mg/L	0.00004	0.58%
Ag 328	-559.7	-0.0006	mg/L	0.00008	-0.0006	mg/L	0.00008	14.10%
Na 590	359623.0	2.63	mg/L	0.019	2.63	mg/L	0.019	0.72%
K 766	15971.6	0.458	mg/L	0.0055	0.458	mg/L	0.0055	1.20%

Sequence No.: 52
Sample ID: G171-303-2C dup
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 7/22/2009 08:40:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G171-303-2C dup

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G171-303-2C dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	18.3	0.0015	mg/L	0.00040	0.0015	mg/L	0.00040	26.16%
Tl 191	6.9	-0.0014	mg/L	0.00408	-0.0014	mg/L	0.00408	301.43%
Se 196	-18.5	0.0017	mg/L	0.00063	0.0017	mg/L	0.00063	36.65%
Sb 207	39.9	-0.0022	mg/L	0.00029	-0.0022	mg/L	0.00029	13.41%
Zn 214	85725.2	0.169	mg/L	0.0003	0.169	mg/L	0.0003	0.15%
Cd 214	1367.8	0.0039	mg/L	0.00009	0.0039	mg/L	0.00009	2.25%
Pb 220	-14.5	0.0054	mg/L	0.00244	0.0054	mg/L	0.00244	45.31%

Co 229	36.7	0.0008 mg/L	0.00008	0.0008 mg/L	0.00008	9.10%
Ni 232	844.0	0.0043 mg/L	0.00002	0.0043 mg/L	0.00002	0.55%
Ba 234	6997.3	0.0168 mg/L	0.00004	0.0168 mg/L	0.00004	0.24%
Mn 258	8699.0	0.0037 mg/L	0.00028	0.0037 mg/L	0.00028	7.76%
Fe 260	2431.8	0.0369 mg/L	0.00924	0.0369 mg/L	0.00924	25.00%
Cr 268	579.2	0.0052 mg/L	0.00035	0.0052 mg/L	0.00035	6.79%
Mg 279	3541.8	0.424 mg/L	0.0030	0.424 mg/L	0.0030	0.70%
V 292	1936.3	0.0071 mg/L	0.00201	0.0071 mg/L	0.00201	28.42%
Al 308	1690.4	0.116 mg/L	0.0126	0.116 mg/L	0.0126	10.92%
Be 313	469.1	0.0074 mg/L	0.00091	0.0074 mg/L	0.00091	12.31%
Ca 318	332781.1	3.92 mg/L	0.000	3.92 mg/L	0.000	0.00%
Cu 325	3485.4	0.0080 mg/L	0.00006	0.0080 mg/L	0.00006	0.71%
Ag 328	-852.1	-0.0009 mg/L	0.00078	-0.0009 mg/L	0.00078	84.49%
Na 590	358700.1	2.63 mg/L	0.026	2.63 mg/L	0.026	1.00%
K 766	15579.9	0.447 mg/L	0.0135	0.447 mg/L	0.0135	3.02%

Sequence No.: 53 **Autosampler Location: 44**
Sample ID: G171-303-2C dup SDx5 **Date Collected: 7/22/2009 08:47:08 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G171-303-2C dup SDx5

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G171-303-2C dup SDx5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5.0	0.0008	mg/L	0.00098	0.0008	mg/L	0.00098	127.61%
Tl 191	-90.3	-0.0061	mg/L	0.00253	-0.0061	mg/L	0.00253	41.27%
Se 196	-48.3	-0.0004	mg/L	0.00234	-0.0004	mg/L	0.00234	660.43%
Sb 207	-22.5	-0.0047	mg/L	0.00102	-0.0047	mg/L	0.00102	21.54%
Zn 214	19275.1	0.0393	mg/L	0.00083	0.0393	mg/L	0.00083	2.10%
Cd 214	213.0	0.0025	mg/L	0.00044	0.0025	mg/L	0.00044	17.99%
Pb 220	-40.5	0.0048	mg/L	0.00083	0.0048	mg/L	0.00083	17.47%
Co 229	-241.5	-0.0003	mg/L	0.00016	-0.0003	mg/L	0.00016	49.69%
Ni 232	1783.7	0.0083	mg/L	0.00084	0.0083	mg/L	0.00084	10.15%
Ba 234	721.1	0.0088	mg/L	0.00015	0.0088	mg/L	0.00015	1.68%
Mn 258	4515.5	0.0025	mg/L	0.00041	0.0025	mg/L	0.00041	16.10%
Fe 260	1717.7	0.0288	mg/L	0.00691	0.0288	mg/L	0.00691	23.97%
Cr 268	430.4	0.0049	mg/L	0.00047	0.0049	mg/L	0.00047	9.56%
Mg 279	632.4	0.0819	mg/L	0.00222	0.0819	mg/L	0.00222	2.72%
V 292	1742.7	0.0066	mg/L	0.00025	0.0066	mg/L	0.00025	3.77%
Al 308	584.8	0.0494	mg/L	0.00854	0.0494	mg/L	0.00854	17.27%
Be 313	844.3	0.0100	mg/L	0.00640	0.0100	mg/L	0.00640	63.92%
Ca 318	64485.1	0.765	mg/L	0.0078	0.765	mg/L	0.0078	1.02%
Cu 325	28795.5	0.0290	mg/L	0.00045	0.0290	mg/L	0.00045	1.54%
Ag 328	-174.8	-0.0001	mg/L	0.00051	-0.0001	mg/L	0.00051	409.44%
Na 590	69230.2	0.517	mg/L	0.0043	0.517	mg/L	0.0043	0.83%
K 766	3328.2	0.0974	mg/L	0.00280	0.0974	mg/L	0.00280	2.87%

Sequence No.: 54 **Autosampler Location: 45**
Sample ID: pb14693 **Date Collected: 7/22/2009 08:53:57 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: pb14693

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: pb14693

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-45.7	-0.0021	mg/L	0.00013	-0.0021	mg/L	0.00013	6.26%

Tl 191	-79.8	-0.0056 mg/L	0.00288	-0.0056 mg/L	0.00288	51.19%
Se 196	-14.1	0.0020 mg/L	0.00238	0.0020 mg/L	0.00238	118.20%
Sb 207	34.9	-0.0024 mg/L	0.00125	-0.0024 mg/L	0.00125	52.82%
Zn 214	109634.0	0.215 mg/L	0.0010	0.215 mg/L	0.0010	0.46%
Cd 214	1207.6	0.0037 mg/L	0.00009	0.0037 mg/L	0.00009	2.33%
Pb 220	170.2	0.0097 mg/L	0.00144	0.0097 mg/L	0.00144	14.81%
Co 229	-371.4	-0.0008 mg/L	0.00060	-0.0008 mg/L	0.00060	70.82%
Ni 232	807.2	0.0042 mg/L	0.00038	0.0042 mg/L	0.00038	9.16%
Ba 234	198746.8	0.261 mg/L	0.0034	0.261 mg/L	0.0034	1.29%
Mn 258	3044.3	0.0022 mg/L	0.00011	0.0022 mg/L	0.00011	5.23%
Fe 260	429.4	0.0142 mg/L	0.02073	0.0142 mg/L	0.02073	146.31%
Cr 268	916.3	0.0058 mg/L	0.00047	0.0058 mg/L	0.00047	8.24%
Mg 279	102.3	0.0197 mg/L	0.00529	0.0197 mg/L	0.00529	26.92%
V 292	2149.6	0.0076 mg/L	0.00053	0.0076 mg/L	0.00053	6.94%
Al 308	876.3	0.0669 mg/L	0.00929	0.0669 mg/L	0.00929	13.88%
Be 313	1407.3	0.0139 mg/L	0.00823	0.0139 mg/L	0.00823	59.23%
Ca 318	24930.9	0.300 mg/L	0.0040	0.300 mg/L	0.0040	1.33%
Cu 325	6425.5	0.0104 mg/L	0.00015	0.0104 mg/L	0.00015	1.40%
Ag 328	-323.0	-0.0003 mg/L	0.00008	-0.0003 mg/L	0.00008	27.31%
Na 590	248152.9	1.82 mg/L	0.004	1.82 mg/L	0.004	0.21%
K 766	13890.6	0.399 mg/L	0.0004	0.399 mg/L	0.0004	0.10%

Sequence No.: 55
Sample ID: lcs14693
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 7/22/2009 09:00:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs14693

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: lcs14693

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	7137.6	0.409	mg/L	0.0037	0.409	mg/L	0.0037	0.90%
Tl 191	7500.7	0.368	mg/L	0.0056	0.368	mg/L	0.0056	1.51%
Se 196	5553.8	0.390	mg/L	0.0022	0.390	mg/L	0.0022	0.57%
Sb 207	9932.5	0.403	mg/L	0.0022	0.403	mg/L	0.0022	0.54%
Zn 214	296490.6	0.576	mg/L	0.0031	0.576	mg/L	0.0031	0.54%
Cd 214	305955.3	0.396	mg/L	0.0042	0.396	mg/L	0.0042	1.07%
Pb 220	16627.0	0.395	mg/L	0.0042	0.395	mg/L	0.0042	1.06%
Co 229	100979.9	0.415	mg/L	0.0024	0.415	mg/L	0.0024	0.57%
Ni 232	97891.2	0.412	mg/L	0.0010	0.412	mg/L	0.0010	0.25%
Ba 234	1761066.6	2.25	mg/L	0.003	2.25	mg/L	0.003	0.15%
Mn 258	1506105.2	0.404	mg/L	0.0020	0.404	mg/L	0.0020	0.49%
Fe 260	180998.4	2.07	mg/L	0.017	2.07	mg/L	0.017	0.84%
Cr 268	230030.5	0.403	mg/L	0.0030	0.403	mg/L	0.0030	0.74%
Mg 279	18206.3	2.15	mg/L	0.024	2.15	mg/L	0.024	1.10%
V 292	160737.6	0.416	mg/L	0.0058	0.416	mg/L	0.0058	1.38%
Al 308	36004.4	2.17	mg/L	0.017	2.17	mg/L	0.017	0.77%
Be 313	57799.6	0.402	mg/L	0.0073	0.402	mg/L	0.0073	1.82%
Ca 318	201258.2	2.37	mg/L	0.000	2.37	mg/L	0.000	0.02%
Cu 325	498228.6	0.418	mg/L	0.0022	0.418	mg/L	0.0022	0.52%
Ag 328	318040.0	0.376	mg/L	0.0018	0.376	mg/L	0.0018	0.47%
Na 590	519958.3	3.80	mg/L	0.058	3.80	mg/L	0.058	1.54%
K 766	86794.4	2.48	mg/L	0.037	2.48	mg/L	0.037	1.47%

Sequence No.: 56
Sample ID: lcd14693
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 7/22/2009 09:07:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd14693

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: lcd14693

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7131.4	0.409	mg/L	0.0032	0.409	mg/L	0.0032	0.79%
Tl 191	7613.8	0.373	mg/L	0.0002	0.373	mg/L	0.0002	0.05%
Se 196	5567.8	0.391	mg/L	0.0018	0.391	mg/L	0.0018	0.45%
Sb 207	9888.0	0.401	mg/L	0.0005	0.401	mg/L	0.0005	0.13%
Zn 214	302549.8	0.588	mg/L	0.0063	0.588	mg/L	0.0063	1.06%
Cd 214	303115.1	0.392	mg/L	0.0050	0.392	mg/L	0.0050	1.28%
Pb 220	16364.2	0.389	mg/L	0.0024	0.389	mg/L	0.0024	0.63%
Co 229	100980.6	0.415	mg/L	0.0065	0.415	mg/L	0.0065	1.56%
Ni 232	97585.4	0.411	mg/L	0.0042	0.411	mg/L	0.0042	1.03%
Ba 234	1766799.0	2.26	mg/L	0.046	2.26	mg/L	0.046	2.03%
Mn 258	1508816.0	0.405	mg/L	0.0024	0.405	mg/L	0.0024	0.60%
Fe 260	179635.5	2.05	mg/L	0.021	2.05	mg/L	0.021	1.01%
Cr 268	229351.1	0.402	mg/L	0.0001	0.402	mg/L	0.0001	0.03%
Mg 279	18014.6	2.12	mg/L	0.006	2.12	mg/L	0.006	0.29%
V 292	159488.1	0.413	mg/L	0.0008	0.413	mg/L	0.0008	0.19%
Al 308	35387.7	2.14	mg/L	0.022	2.14	mg/L	0.022	1.03%
Be 313	57893.4	0.403	mg/L	0.0009	0.403	mg/L	0.0009	0.23%
Ca 318	199151.5	2.35	mg/L	0.012	2.35	mg/L	0.012	0.52%
Cu 325	499079.5	0.419	mg/L	0.0021	0.419	mg/L	0.0021	0.50%
Ag 328	314393.1	0.372	mg/L	0.0008	0.372	mg/L	0.0008	0.23%
Na 590	529637.7	3.87	mg/L	0.043	3.87	mg/L	0.043	1.11%
K 766	87419.1	2.50	mg/L	0.010	2.50	mg/L	0.010	0.41%

Sequence No.: 57
Sample ID: G805-109-2C
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 7/22/2009 09:14:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G805-109-2C

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G805-109-2C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	33.2	0.0025	mg/L	0.00084	0.0025	mg/L	0.00084	33.23%
Tl 191	43.7	0.0004	mg/L	0.00137	0.0004	mg/L	0.00137	305.06%
Se 196	-21.2	0.0015	mg/L	0.00167	0.0015	mg/L	0.00167	109.94%
Sb 207	-23.6	-0.0050	mg/L	0.00059	-0.0050	mg/L	0.00059	11.80%
Zn 214	-465.3	0.0009	mg/L	0.00073	0.0009	mg/L	0.00073	80.74%
Cd 214	697.1	0.0031	mg/L	0.00009	0.0031	mg/L	0.00009	2.87%
Pb 220	-80.6	0.0038	mg/L	0.00046	0.0038	mg/L	0.00046	12.07%
Co 229	149.0	0.0013	mg/L	0.00012	0.0013	mg/L	0.00012	8.94%
Ni 232	481.0	0.0028	mg/L	0.00178	0.0028	mg/L	0.00178	63.89%
Ba 234	52637.3	0.0749	mg/L	0.00019	0.0749	mg/L	0.00019	0.25%
Mn 258	0.0	0.0013	mg/L	0.00044	0.0013	mg/L	0.00044	33.11%
Fe 260	644.1	0.0166	mg/L	0.00345	0.0166	mg/L	0.00345	20.80%
Cr 268	12098.6	0.0251	mg/L	0.00012	0.0251	mg/L	0.00012	0.47%
Mg 279	-24.4	0.0048	mg/L	0.00291	0.0048	mg/L	0.00291	60.82%
V 292	1742.7	0.0066	mg/L	0.00025	0.0066	mg/L	0.00025	3.77%
Al 308	1694.3	0.116	mg/L	0.0205	0.116	mg/L	0.0205	17.70%
Be 313	-469.1	0.0010	mg/L	0.00091	0.0010	mg/L	0.00091	95.06%
Ca 318	16746346.7	197	mg/L	1.3	197	mg/L	1.3	0.64%
Cu 325	12441.0	0.0154	mg/L	0.00050	0.0154	mg/L	0.00050	3.26%
Ag 328	-462.1	-0.0005	mg/L	0.00002	-0.0005	mg/L	0.00002	3.28%
Na 590	5342109.1	38.9	mg/L	0.24	38.9	mg/L	0.24	0.61%
K 766	504435.9	14.4	mg/L	0.07	14.4	mg/L	0.07	0.47%

Sequence No.: 58
Sample ID: G805-109-2C as
Analyst:
Initial Sample Wt:

Autosampler Location: 49
Date Collected: 7/22/2009 09:21:07 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Nebulizer Parameters: G805-109-2C as

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G805-109-2C as

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	3625.1	0.208	mg/L	0.0028	0.208	mg/L	0.0028	1.34%
Tl 191	3924.2	0.192	mg/L	0.0006	0.192	mg/L	0.0006	0.33%
Se 196	2864.0	0.202	mg/L	0.0020	0.202	mg/L	0.0020	0.98%
Sb 207	5192.9	0.209	mg/L	0.0010	0.209	mg/L	0.0010	0.47%
Zn 214	103646.9	0.202	mg/L	0.0004	0.202	mg/L	0.0004	0.21%
Cd 214	149231.3	0.194	mg/L	0.0010	0.194	mg/L	0.0010	0.52%
Pb 220	8492.4	0.204	mg/L	0.0031	0.204	mg/L	0.0031	1.51%
Co 229	50164.8	0.207	mg/L	0.0002	0.207	mg/L	0.0002	0.09%
Ni 232	48904.7	0.206	mg/L	0.0002	0.206	mg/L	0.0002	0.09%
Ba 234	811161.2	1.04	mg/L	0.010	1.04	mg/L	0.010	0.99%
Mn 258	749156.1	0.202	mg/L	0.0001	0.202	mg/L	0.0001	0.07%
Fe 260	89103.6	1.02	mg/L	0.010	1.02	mg/L	0.010	1.01%
Cr 268	127067.3	0.224	mg/L	0.0005	0.224	mg/L	0.0005	0.21%
Mg 279	89.0	0.0181	mg/L	0.01546	0.0181	mg/L	0.01546	85.45%
V 292	80707.7	0.210	mg/L	0.0019	0.210	mg/L	0.0019	0.92%
Al 308	1848.3	0.125	mg/L	0.0172	0.125	mg/L	0.0172	13.71%
Be 313	28618.1	0.201	mg/L	0.0009	0.201	mg/L	0.0009	0.45%
Ca 318	16865003.5	198	mg/L	0.9	198	mg/L	0.9	0.46%
Cu 325	270175.8	0.229	mg/L	0.0017	0.229	mg/L	0.0017	0.74%
Ag 328	163478.5	0.193	mg/L	0.0007	0.193	mg/L	0.0007	0.36%
Na 590	5276464.1	38.4	mg/L	0.42	38.4	mg/L	0.42	1.09%
K 766	498413.4	14.2	mg/L	0.02	14.2	mg/L	0.02	0.14%

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Sequence No.: 59
Sample ID: ccv5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/22/2009 09:27:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv5

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: ccv5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	9487.8	0.544	mg/L	0.0032	0.544	mg/L	0.0032	0.59%
Tl 191	10915.5	0.536	mg/L	0.0001	0.536	mg/L	0.0001	0.02%
Se 196	7637.7	0.535	mg/L	0.0031	0.535	mg/L	0.0031	0.59%
Sb 207	13615.7	0.554	mg/L	0.0034	0.554	mg/L	0.0034	0.62%
Zn 214	266425.0	0.517	mg/L	0.0033	0.517	mg/L	0.0033	0.64%
Cd 214	411670.0	0.532	mg/L	0.0019	0.532	mg/L	0.0019	0.36%
Pb 220	22046.7	0.522	mg/L	0.0022	0.522	mg/L	0.0022	0.42%
Co 229	127138.6	0.522	mg/L	0.0075	0.522	mg/L	0.0075	1.44%
Ni 232	128215.1	0.540	mg/L	0.0020	0.540	mg/L	0.0020	0.36%
Ba 234	2041908.4	2.61	mg/L	0.038	2.61	mg/L	0.038	1.45%
Mn 258	1933762.0	0.519	mg/L	0.0012	0.519	mg/L	0.0012	0.22%
Fe 260	230381.1	2.63	mg/L	0.038	2.63	mg/L	0.038	1.44%
Cr 268	297750.6	0.520	mg/L	0.0031	0.520	mg/L	0.0031	0.59%
Mg 279	22721.3	2.68	mg/L	0.011	2.68	mg/L	0.011	0.42%
V 292	204712.3	0.530	mg/L	0.0012	0.530	mg/L	0.0012	0.23%
Al 308	44470.9	2.68	mg/L	0.021	2.68	mg/L	0.021	0.79%
Be 313	75814.9	0.526	mg/L	0.0037	0.526	mg/L	0.0037	0.69%
Ca 318	226427.7	2.67	mg/L	0.019	2.67	mg/L	0.019	0.70%
Cu 325	596574.4	0.500	mg/L	0.0020	0.500	mg/L	0.0020	0.40%
Ag 328	437950.1	0.518	mg/L	0.0024	0.518	mg/L	0.0024	0.47%
Na 590	355643.0	2.60	mg/L	0.028	2.60	mg/L	0.028	1.09%
K 766	93922.1	2.68	mg/L	0.003	2.68	mg/L	0.003	0.10%

Sequence No.: 60
Sample ID: ccb5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/22/2009 09:34:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb5

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: ccb5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	52.3	0.0035	mg/L	0.00032	0.0035	mg/L	0.00032	9.21%
Tl 191	-102.7	-0.0067	mg/L	0.00470	-0.0067	mg/L	0.00470	69.59%
Se 196	17.0	0.0042	mg/L	0.00203	0.0042	mg/L	0.00203	48.65%
Sb 207	-14.1	-0.0044	mg/L	0.00207	-0.0044	mg/L	0.00207	47.16%
Zn 214	-692.8	0.0005	mg/L	0.00042	0.0005	mg/L	0.00042	91.28%
Cd 214	810.6	0.0032	mg/L	0.00028	0.0032	mg/L	0.00028	8.75%
Pb 220	-214.1	0.0007	mg/L	0.00206	0.0007	mg/L	0.00206	292.14%
Co 229	-387.5	-0.0009	mg/L	0.00115	-0.0009	mg/L	0.00115	126.54%
Ni 232	704.7	0.0037	mg/L	0.00092	0.0037	mg/L	0.00092	24.77%
Ba 234	-623.9	0.0071	mg/L	0.00047	0.0071	mg/L	0.00047	6.61%
Mn 258	-1925.7	0.0008	mg/L	0.00000	0.0008	mg/L	0.00000	0.00%
Fe 260	714.2	0.0174	mg/L	0.00233	0.0174	mg/L	0.00233	13.37%
Cr 268	93.3	0.0043	mg/L	0.00036	0.0043	mg/L	0.00036	8.21%
Mg 279	-198.9	-0.0157	mg/L	0.01054	-0.0157	mg/L	0.01054	67.10%
V 292	919.8	0.0045	mg/L	0.00113	0.0045	mg/L	0.00113	25.34%
Al 308	245.9	0.0291	mg/L	0.01265	0.0291	mg/L	0.01265	43.43%
Be 313	562.8	0.0081	mg/L	0.00183	0.0081	mg/L	0.00183	22.65%
Ca 318	70.1	0.0075	mg/L	0.00235	0.0075	mg/L	0.00235	31.41%
Cu 325	3541.4	0.0080	mg/L	0.00017	0.0080	mg/L	0.00017	2.12%
Ag 328	147.3	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	13.47%
Na 590	-514.5	0.0089	mg/L	0.00252	0.0089	mg/L	0.00252	28.41%
K 766	231.6	0.0090	mg/L	0.00464	0.0090	mg/L	0.00464	51.50%

Sequence No.: 61
Sample ID: G805-109-2D ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 7/22/2009 09:41:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G805-109-2D ms

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G805-109-2D ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7028.3	0.403	mg/L	0.0001	0.403	mg/L	0.0001	0.04%
Tl 191	7542.6	0.370	mg/L	0.0042	0.370	mg/L	0.0042	1.14%
Se 196	5546.4	0.389	mg/L	0.0016	0.389	mg/L	0.0016	0.40%
Sb 207	9763.3	0.396	mg/L	0.0045	0.396	mg/L	0.0045	1.15%
Zn 214	195958.2	0.381	mg/L	0.0031	0.381	mg/L	0.0031	0.80%
Cd 214	285327.1	0.370	mg/L	0.0003	0.370	mg/L	0.0003	0.07%
Pb 220	15758.3	0.374	mg/L	0.0024	0.374	mg/L	0.0024	0.63%
Co 229	93736.8	0.385	mg/L	0.0091	0.385	mg/L	0.0091	2.35%
Ni 232	91192.4	0.384	mg/L	0.0023	0.384	mg/L	0.0023	0.60%
Ba 234	1534636.4	1.96	mg/L	0.010	1.96	mg/L	0.010	0.49%
Mn 258	1429683.7	0.384	mg/L	0.0004	0.384	mg/L	0.0004	0.11%
Fe 260	170118.4	1.94	mg/L	0.027	1.94	mg/L	0.027	1.36%
Cr 268	230028.8	0.403	mg/L	0.0030	0.403	mg/L	0.0030	0.74%
Mg 279	16833.5	1.98	mg/L	0.023	1.98	mg/L	0.023	1.15%
V 292	155093.5	0.402	mg/L	0.0037	0.402	mg/L	0.0037	0.91%
Al 308	35771.1	2.16	mg/L	0.011	2.16	mg/L	0.011	0.52%

Be 313	53858.7	0.375 mg/L	0.0055	0.375 mg/L	0.0055	1.46%
Ca 318	17650760.9	208 mg/L	2.4	208 mg/L	2.4	1.14%
Cu 325	493436.1	0.414 mg/L	0.0068	0.414 mg/L	0.0068	1.63%
Ag 328	314622.7	0.372 mg/L	0.0007	0.372 mg/L	0.0007	0.20%
Na 590	5779729.6	42.1 mg/L	0.31	42.1 mg/L	0.31	0.75%
K 766	597859.3	17.1 mg/L	0.06	17.1 mg/L	0.06	0.37%

Sequence No.: 62
Sample ID: G805-109-2E msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 7/22/2009 09:48:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G805-109-2E msd

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G805-109-2E msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7060.3	0.405	mg/L	0.0012	0.405	mg/L	0.0012	0.29%
Tl 191	7511.5	0.368	mg/L	0.0061	0.368	mg/L	0.0061	1.66%
Se 196	5628.9	0.395	mg/L	0.0013	0.395	mg/L	0.0013	0.32%
Sb 207	9873.7	0.400	mg/L	0.0023	0.400	mg/L	0.0023	0.57%
Zn 214	199148.4	0.387	mg/L	0.0011	0.387	mg/L	0.0011	0.28%
Cd 214	289161.1	0.374	mg/L	0.0034	0.374	mg/L	0.0034	0.92%
Pb 220	15934.3	0.379	mg/L	0.0063	0.379	mg/L	0.0063	1.66%
Co 229	96071.4	0.395	mg/L	0.0000	0.395	mg/L	0.0000	0.00%
Ni 232	92560.5	0.390	mg/L	0.0024	0.390	mg/L	0.0024	0.63%
Ba 234	1534952.6	1.96	mg/L	0.000	1.96	mg/L	0.000	0.02%
Mn 258	1435702.8	0.385	mg/L	0.0013	0.385	mg/L	0.0013	0.34%
Fe 260	175201.3	2.00	mg/L	0.021	2.00	mg/L	0.021	1.04%
Cr 268	232061.9	0.406	mg/L	0.0020	0.406	mg/L	0.0020	0.50%
Mg 279	17232.8	2.03	mg/L	0.030	2.03	mg/L	0.030	1.47%
V 292	157358.1	0.408	mg/L	0.0004	0.408	mg/L	0.0004	0.10%
Al 308	36303.6	2.19	mg/L	0.017	2.19	mg/L	0.017	0.80%
Be 313	54140.2	0.377	mg/L	0.0119	0.377	mg/L	0.0119	3.15%
Ca 318	18086810.6	213	mg/L	1.9	213	mg/L	1.9	0.90%
Cu 325	505787.9	0.425	mg/L	0.0033	0.425	mg/L	0.0033	0.78%
Ag 328	317247.8	0.375	mg/L	0.0006	0.375	mg/L	0.0006	0.15%
Na 590	5990563.7	43.6	mg/L	0.70	43.6	mg/L	0.70	1.61%
K 766	613692.5	17.5	mg/L	0.16	17.5	mg/L	0.16	0.92%

Sequence No.: 63
Sample ID: G805-108-2C
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 7/22/2009 09:55:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G805-108-2C

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: G805-108-2C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	12.2	0.0012	mg/L	0.00198	0.0012	mg/L	0.00198	162.80%
Tl 191	69.8	0.0017	mg/L	0.00041	0.0017	mg/L	0.00041	23.68%
Se 196	10.5	0.0037	mg/L	0.00120	0.0037	mg/L	0.00120	32.27%
Sb 207	-16.1	-0.0045	mg/L	0.00193	-0.0045	mg/L	0.00193	42.64%
Zn 214	18297.0	0.0374	mg/L	0.00113	0.0374	mg/L	0.00113	3.02%
Cd 214	900.4	0.0033	mg/L	0.00004	0.0033	mg/L	0.00004	1.08%
Pb 220	392.5	0.0149	mg/L	0.00039	0.0149	mg/L	0.00039	2.60%
Co 229	-295.0	-0.0005	mg/L	0.00065	-0.0005	mg/L	0.00065	122.60%
Ni 232	422.6	0.0025	mg/L	0.00035	0.0025	mg/L	0.00035	13.66%
Ba 234	495833.4	0.639	mg/L	0.0023	0.639	mg/L	0.0023	0.35%

Mn 258	332.0	0.0014	mg/L	0.00000	0.0014	mg/L	0.00000	0.00%
Fe 260	0.0	0.0093	mg/L	0.01382	0.0093	mg/L	0.01382	148.88%
Cr 268	3193.2	0.0097	mg/L	0.00011	0.0097	mg/L	0.00011	1.18%
Mg 279	-11.8	0.0063	mg/L	0.00891	0.0063	mg/L	0.00891	142.40%
V 292	1045.3	0.0048	mg/L	0.00018	0.0048	mg/L	0.00018	3.69%
Al 308	875.2	0.0669	mg/L	0.00788	0.0669	mg/L	0.00788	11.79%
Be 313	1032.0	0.0113	mg/L	0.00274	0.0113	mg/L	0.00274	24.26%
Ca 318	19468372.9	229	mg/L	1.1	229	mg/L	1.1	0.49%
Cu 325	65774.4	0.0597	mg/L	0.00174	0.0597	mg/L	0.00174	2.91%
Ag 328	-289.8	-0.0003	mg/L	0.00007	-0.0003	mg/L	0.00007	27.22%
Na 590	10044215.5	73.2	mg/L	0.71	73.2	mg/L	0.71	0.98%
K 766	626246.5	17.9	mg/L	0.02	17.9	mg/L	0.02	0.11%

Sequence No.: 64
Sample ID: G805-108-2C as
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 7/22/2009 10:01:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G805-108-2C as

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: G805-108-2C as

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3866.9	0.222	mg/L	0.0004	0.222	mg/L	0.0004	0.18%
Tl 191	4037.9	0.197	mg/L	0.0014	0.197	mg/L	0.0014	0.69%
Se 196	3038.7	0.215	mg/L	0.0002	0.215	mg/L	0.0002	0.09%
Sb 207	5452.8	0.219	mg/L	0.0014	0.219	mg/L	0.0014	0.62%
Zn 214	128775.5	0.251	mg/L	0.0031	0.251	mg/L	0.0031	1.25%
Cd 214	156689.7	0.204	mg/L	0.0010	0.204	mg/L	0.0010	0.47%
Pb 220	9230.7	0.222	mg/L	0.0022	0.222	mg/L	0.0022	1.00%
Co 229	52060.0	0.214	mg/L	0.0011	0.214	mg/L	0.0011	0.52%
Ni 232	51049.4	0.215	mg/L	0.0018	0.215	mg/L	0.0018	0.83%
Ba 234	1289580.4	1.65	mg/L	0.047	1.65	mg/L	0.047	2.82%
Mn 258	784827.3	0.211	mg/L	0.0023	0.211	mg/L	0.0023	1.09%
Fe 260	92394.3	1.06	mg/L	0.008	1.06	mg/L	0.008	0.76%
Cr 268	122034.5	0.216	mg/L	0.0017	0.216	mg/L	0.0017	0.77%
Mg 279	-148.9	-0.0098	mg/L	0.01304	-0.0098	mg/L	0.01304	132.43%
V 292	84696.8	0.220	mg/L	0.0010	0.220	mg/L	0.0010	0.43%
Al 308	774.5	0.0608	mg/L	0.01643	0.0608	mg/L	0.01643	27.00%
Be 313	28055.4	0.197	mg/L	0.0082	0.197	mg/L	0.0082	4.17%
Ca 318	18938601.4	223	mg/L	3.2	223	mg/L	3.2	1.42%
Cu 325	340582.3	0.288	mg/L	0.0037	0.288	mg/L	0.0037	1.30%
Ag 328	172534.7	0.204	mg/L	0.0004	0.204	mg/L	0.0004	0.22%
Na 590	10027254.0	73.1	mg/L	0.95	73.1	mg/L	0.95	1.30%
K 766	617601.0	17.6	mg/L	0.11	17.6	mg/L	0.11	0.62%

Sequence No.: 65
Sample ID: G805-108-2D dup
Analyst:
Initial Sample Wt:
Dilution:
Initialize Optics completed successfully

Autosampler Location: 54
Date Collected: 7/22/2009 10:08:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G805-108-2D dup

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: G805-108-2D dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	65.0	0.0042	mg/L	0.00062	0.0042	mg/L	0.00062	14.62%
Tl 191	-142.4	-0.0087	mg/L	0.00120	-0.0087	mg/L	0.00120	13.83%
Se 196	7.5	0.0035	mg/L	0.00027	0.0035	mg/L	0.00027	7.56%

Sb 207	8.4	-0.0035 mg/L	0.00178	-0.0035 mg/L	0.00178	50.59%
Zn 214	18582.3	0.0380 mg/L	0.00047	0.0380 mg/L	0.00047	1.24%
Cd 214	771.9	0.0032 mg/L	0.00035	0.0032 mg/L	0.00035	11.13%
Pb 220	468.5	0.0167 mg/L	0.00028	0.0167 mg/L	0.00028	1.65%
Co 229	-378.3	-0.0009 mg/L	0.00033	-0.0009 mg/L	0.00033	37.56%
Ni 232	748.9	0.0039 mg/L	0.00140	0.0039 mg/L	0.00140	35.92%
Ba 234	502036.6	0.647 mg/L	0.0019	0.647 mg/L	0.0019	0.29%
Mn 258	-342.3	0.0012 mg/L	0.00026	0.0012 mg/L	0.00026	20.43%
Fe 260	-429.4	0.0044 mg/L	0.00691	0.0044 mg/L	0.00691	157.18%
Cr 268	3195.0	0.0097 mg/L	0.00035	0.0097 mg/L	0.00035	3.58%
Mg 279	-7.0	0.0068 mg/L	0.01239	0.0068 mg/L	0.01239	181.76%
V 292	1298.0	0.0054 mg/L	0.00095	0.0054 mg/L	0.00095	17.55%
Al 308	722.3	0.0577 mg/L	0.00378	0.0577 mg/L	0.00378	6.55%
Be 313	281.4	0.0061 mg/L	0.00457	0.0061 mg/L	0.00457	74.52%
Ca 318	19620719.7	231 mg/L	0.2	231 mg/L	0.2	0.07%
Cu 325	66409.0	0.0602 mg/L	0.00045	0.0602 mg/L	0.00045	0.75%
Ag 328	-354.5	-0.0003 mg/L	0.00017	-0.0003 mg/L	0.00017	51.52%
Na 590	10268198.9	74.8 mg/L	0.62	74.8 mg/L	0.62	0.83%
K 766	640838.8	18.3 mg/L	0.04	18.3 mg/L	0.04	0.23%

Sequence No.: 66
Sample ID: G805-108-2D dup as
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 7/22/2009 10:20:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G805-108-2D dup as

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G805-108-2D dup as

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	3574.2	0.205	mg/L	0.0006	0.205	mg/L	0.0006	0.30%
Tl 191	3748.8	0.183	mg/L	0.0061	0.183	mg/L	0.0061	3.33%
Se 196	2728.7	0.193	mg/L	0.0032	0.193	mg/L	0.0032	1.67%
Sb 207	5121.8	0.206	mg/L	0.0033	0.206	mg/L	0.0033	1.58%
Zn 214	121662.3	0.237	mg/L	0.0010	0.237	mg/L	0.0010	0.44%
Cd 214	143586.8	0.187	mg/L	0.0019	0.187	mg/L	0.0019	0.99%
Pb 220	8628.2	0.208	mg/L	0.0019	0.208	mg/L	0.0019	0.90%
Co 229	47415.9	0.195	mg/L	0.0037	0.195	mg/L	0.0037	1.90%
Ni 232	46775.0	0.197	mg/L	0.0028	0.197	mg/L	0.0028	1.41%
Ba 234	1230828.6	1.58	mg/L	0.015	1.58	mg/L	0.015	0.96%
Mn 258	728758.0	0.196	mg/L	0.0002	0.196	mg/L	0.0002	0.09%
Fe 260	87600.6	1.01	mg/L	0.007	1.01	mg/L	0.007	0.69%
Cr 268	114576.1	0.203	mg/L	0.0002	0.203	mg/L	0.0002	0.12%
Mg 279	-127.7	-0.0074	mg/L	0.00074	-0.0074	mg/L	0.00074	9.99%
V 292	78219.2	0.204	mg/L	0.0029	0.204	mg/L	0.0029	1.42%
Al 308	923.6	0.0698	mg/L	0.00378	0.0698	mg/L	0.00378	5.42%
Be 313	27867.5	0.196	mg/L	0.0046	0.196	mg/L	0.0046	2.33%
Ca 318	19645041.2	231	mg/L	2.1	231	mg/L	2.1	0.90%
Cu 325	322429.1	0.273	mg/L	0.0003	0.273	mg/L	0.0003	0.12%
Ag 328	161942.1	0.191	mg/L	0.0004	0.191	mg/L	0.0004	0.18%
Na 590	10436422.9	76.0	mg/L	0.87	76.0	mg/L	0.87	1.14%
K 766	638487.2	18.2	mg/L	0.11	18.2	mg/L	0.11	0.58%

Sequence No.: 67
Sample ID: tblk072009b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 7/22/2009 10:27:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: tblk072009b

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: tblk072009b

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	47.8	0.0032	mg/L	0.00185	0.0032	mg/L	0.00185	57.76%
Tl 191	-57.1	-0.0045	mg/L	0.00071	-0.0045	mg/L	0.00071	15.80%
Se 196	-12.2	0.0021	mg/L	0.00266	0.0021	mg/L	0.00266	124.11%
Sb 207	36.0	-0.0023	mg/L	0.00138	-0.0023	mg/L	0.00138	59.30%
Zn 214	95223.9	0.187	mg/L	0.0003	0.187	mg/L	0.0003	0.14%
Cd 214	923.3	0.0034	mg/L	0.00050	0.0034	mg/L	0.00050	14.83%
Pb 220	32.1	0.0065	mg/L	0.00006	0.0065	mg/L	0.00006	0.99%
Co 229	-181.1	-0.0001	mg/L	0.00104	-0.0001	mg/L	0.00104	>999.9%
Ni 232	975.2	0.0049	mg/L	0.00052	0.0049	mg/L	0.00052	10.64%
Ba 234	177251.1	0.234	mg/L	0.0020	0.234	mg/L	0.0020	0.85%
Mn 258	708.3	0.0015	mg/L	0.00043	0.0015	mg/L	0.00043	27.92%
Fe 260	214.7	0.0117	mg/L	0.01036	0.0117	mg/L	0.01036	88.40%
Cr 268	529.0	0.0051	mg/L	0.00071	0.0051	mg/L	0.00071	13.98%
Mg 279	170.5	0.0277	mg/L	0.00407	0.0277	mg/L	0.00407	14.71%
V 292	1278.3	0.0054	mg/L	0.00018	0.0054	mg/L	0.00018	3.28%
Al 308	731.1	0.0582	mg/L	0.00369	0.0582	mg/L	0.00369	6.33%
Be 313	375.2	0.0068	mg/L	0.00183	0.0068	mg/L	0.00183	26.96%
Ca 318	21135.3	0.255	mg/L	0.0016	0.255	mg/L	0.0016	0.61%
Cu 325	5926.2	0.0100	mg/L	0.00019	0.0100	mg/L	0.00019	1.94%
Ag 328	-467.2	-0.0005	mg/L	0.00005	-0.0005	mg/L	0.00005	9.71%
Na 590	223283.5	1.64	mg/L	0.001	1.64	mg/L	0.001	0.06%
K 766	12573.3	0.361	mg/L	0.0008	0.361	mg/L	0.0008	0.23%

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Sequence No.: 68
Sample ID: G805-108-2D dup SDx5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 7/22/2009 10:34:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G805-108-2D dup SDx5

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: G805-108-2D dup SDx5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	77.8	0.0049	mg/L	0.00033	0.0049	mg/L	0.00033	6.69%
Tl 191	-65.7	-0.0049	mg/L	0.00276	-0.0049	mg/L	0.00276	56.07%
Se 196	-32.6	0.0007	mg/L	0.00250	0.0007	mg/L	0.00250	345.74%
Sb 207	-15.9	-0.0045	mg/L	0.00305	-0.0045	mg/L	0.00305	68.08%
Zn 214	5330.3	0.0121	mg/L	0.00005	0.0121	mg/L	0.00005	0.45%
Cd 214	584.4	0.0029	mg/L	0.00061	0.0029	mg/L	0.00061	20.84%
Pb 220	97.2	0.0080	mg/L	0.00146	0.0080	mg/L	0.00146	18.32%
Co 229	-116.2	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	19.74%
Ni 232	2683.9	0.0120	mg/L	0.00129	0.0120	mg/L	0.00129	10.75%
Ba 234	95208.5	0.129	mg/L	0.0010	0.129	mg/L	0.0010	0.80%
Mn 258	3342.4	0.0022	mg/L	0.00000	0.0022	mg/L	0.00000	0.00%
Fe 260	-214.7	0.0068	mg/L	0.00345	0.0068	mg/L	0.00345	50.52%
Cr 268	916.3	0.0058	mg/L	0.00000	0.0058	mg/L	0.00000	0.00%
Mg 279	-11.9	0.0062	mg/L	0.00757	0.0062	mg/L	0.00757	121.15%
V 292	1714.0	0.0065	mg/L	0.00000	0.0065	mg/L	0.00000	0.00%
Al 308	150.2	0.0234	mg/L	0.00369	0.0234	mg/L	0.00369	15.77%
Be 313	1688.7	0.0158	mg/L	0.00183	0.0158	mg/L	0.00183	11.56%
Ca 318	4264098.3	50.2	mg/L	1.17	50.2	mg/L	1.17	2.34%
Cu 325	49175.5	0.0459	mg/L	0.00039	0.0459	mg/L	0.00039	0.85%
Ag 328	-362.7	-0.0003	mg/L	0.00019	-0.0003	mg/L	0.00019	55.69%
Na 590	2225282.4	16.2	mg/L	0.02	16.2	mg/L	0.02	0.14%
K 766	134935.5	3.86	mg/L	0.042	3.86	mg/L	0.042	1.09%

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Sequence No.: 69
Sample ID: icsA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/22/2009 10:40:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: icsA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	168.7	0.0101	mg/L	0.00069	0.0101	mg/L	0.00069	6.80%
Tl 191	55.0	0.0010	mg/L	0.00105	0.0010	mg/L	0.00105	104.42%
Se 196	-337.7	0.0314	mg/L	0.00137	0.0314	mg/L	0.00137	4.35%
Sb 207	155.9	0.0026	mg/L	0.00077	0.0026	mg/L	0.00077	29.52%
Zn 214	6701.8	0.0018	mg/L	0.00073	0.0018	mg/L	0.00073	40.39%
Cd 214	2803.3	0.0004	mg/L	0.00014	0.0004	mg/L	0.00014	34.60%
Pb 220	-118.4	0.0029	mg/L	0.00023	0.0029	mg/L	0.00023	7.72%
Co 229	-393.6	-0.0009	mg/L	0.00054	-0.0009	mg/L	0.00054	57.77%
Ni 232	167.8	0.0015	mg/L	0.00037	0.0015	mg/L	0.00037	25.50%
Ba 234	1151.9	0.0093	mg/L	0.00100	0.0093	mg/L	0.00100	10.78%
Mn 258	-435.5	0.0012	mg/L	0.00011	0.0012	mg/L	0.00011	9.21%
Fe 260	9109861.1	104	mg/L	0.0	104	mg/L	0.0	0.02%
Cr 268	1690.8	0.0071	mg/L	0.00024	0.0071	mg/L	0.00024	3.34%
Mg 279	360011.6	42.3	mg/L	0.37	42.3	mg/L	0.37	0.89%
V 292	745.8	0.0040	mg/L	0.00000	0.0040	mg/L	0.00000	0.00%
Al 308	1783575.8	107	mg/L	1.0	107	mg/L	1.0	0.97%
Be 313	1125.7	0.0119	mg/L	0.00366	0.0119	mg/L	0.00366	30.60%
Ca 318	3546448.5	41.7	mg/L	0.00	41.7	mg/L	0.00	0.01%
Cu 325	4792.4	0.0091	mg/L	0.00034	0.0091	mg/L	0.00034	3.75%
Ag 328	433.7	0.0006	mg/L	0.00005	0.0006	mg/L	0.00005	8.13%
Na 590	1425.2	0.0230	mg/L	0.00348	0.0230	mg/L	0.00348	15.15%
K 766	650.1	0.0210	mg/L	0.01230	0.0210	mg/L	0.01230	58.69%

Sequence No.: 70
Sample ID: icsB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/22/2009 10:47:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: icsB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5526.9	0.317	mg/L	0.0000	0.317	mg/L	0.0000	0.01%
Tl 191	5991.1	0.293	mg/L	0.0017	0.293	mg/L	0.0017	0.57%
Se 196	4058.7	0.336	mg/L	0.0000	0.336	mg/L	0.0000	0.01%
Sb 207	7769.8	0.314	mg/L	0.0013	0.314	mg/L	0.0013	0.41%
Zn 214	164918.3	0.309	mg/L	0.0015	0.309	mg/L	0.0015	0.47%
Cd 214	230732.9	0.294	mg/L	0.0055	0.294	mg/L	0.0055	1.87%
Pb 220	12400.0	0.296	mg/L	0.0016	0.296	mg/L	0.0016	0.55%
Co 229	69705.5	0.287	mg/L	0.0036	0.287	mg/L	0.0036	1.25%
Ni 232	68570.0	0.289	mg/L	0.0008	0.289	mg/L	0.0008	0.27%
Ba 234	781809.7	1.00	mg/L	0.003	1.00	mg/L	0.003	0.28%
Mn 258	1112252.6	0.299	mg/L	0.0004	0.299	mg/L	0.0004	0.14%
Fe 260	8927359.7	102	mg/L	1.4	102	mg/L	1.4	1.33%
Cr 268	175425.7	0.308	mg/L	0.0001	0.308	mg/L	0.0001	0.04%
Mg 279	342331.4	40.2	mg/L	0.06	40.2	mg/L	0.06	0.15%
V 292	120325.6	0.312	mg/L	0.0017	0.312	mg/L	0.0017	0.53%
Al 308	1724635.1	103	mg/L	0.3	103	mg/L	0.3	0.33%
Be 313	43161.9	0.302	mg/L	0.0146	0.302	mg/L	0.0146	4.85%
Ca 318	3441498.4	40.5	mg/L	0.31	40.5	mg/L	0.31	0.77%
Cu 325	362559.8	0.306	mg/L	0.0004	0.306	mg/L	0.0004	0.12%
Ag 328	243496.7	0.288	mg/L	0.0022	0.288	mg/L	0.0022	0.77%
Na 590	2189.8	0.0286	mg/L	0.00305	0.0286	mg/L	0.00305	10.68%
K 766	349.0	0.0124	mg/L	0.00431	0.0124	mg/L	0.00431	34.86%

Sequence No.: 71
Sample ID: ccv6
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/22/2009 10:54:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv6

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: ccv6

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9341.1	0.535	mg/L	0.0023	0.535	mg/L	0.0023	0.43%
Tl 191	10797.1	0.530	mg/L	0.0031	0.530	mg/L	0.0031	0.59%
Se 196	7544.3	0.528	mg/L	0.0000	0.528	mg/L	0.0000	0.01%
Sb 207	13364.9	0.544	mg/L	0.0043	0.544	mg/L	0.0043	0.79%
Zn 214	265862.0	0.516	mg/L	0.0024	0.516	mg/L	0.0024	0.46%
Cd 214	405690.2	0.524	mg/L	0.0030	0.524	mg/L	0.0030	0.57%
Pb 220	21817.5	0.516	mg/L	0.0051	0.516	mg/L	0.0051	0.99%
Co 229	125696.6	0.517	mg/L	0.0001	0.517	mg/L	0.0001	0.01%
Ni 232	124333.8	0.523	mg/L	0.0037	0.523	mg/L	0.0037	0.72%
Ba 234	1993835.9	2.55	mg/L	0.020	2.55	mg/L	0.020	0.78%
Mn 258	1908208.1	0.512	mg/L	0.0020	0.512	mg/L	0.0020	0.39%
Fe 260	227804.6	2.60	mg/L	0.024	2.60	mg/L	0.024	0.93%
Cr 268	292716.1	0.511	mg/L	0.0085	0.511	mg/L	0.0085	1.67%
Mg 279	22259.7	2.62	mg/L	0.004	2.62	mg/L	0.004	0.15%
V 292	202049.8	0.523	mg/L	0.0011	0.523	mg/L	0.0011	0.20%
Al 308	43895.0	2.65	mg/L	0.021	2.65	mg/L	0.021	0.79%
Be 313	73375.5	0.510	mg/L	0.0073	0.510	mg/L	0.0073	1.43%
Ca 318	220043.8	2.60	mg/L	0.021	2.60	mg/L	0.021	0.81%
Cu 325	593226.6	0.497	mg/L	0.0045	0.497	mg/L	0.0045	0.90%
Ag 328	436955.8	0.516	mg/L	0.0041	0.516	mg/L	0.0041	0.80%
Na 590	350461.1	2.57	mg/L	0.056	2.57	mg/L	0.056	2.17%
K 766	92773.5	2.65	mg/L	0.010	2.65	mg/L	0.010	0.39%

==========

Sequence No.: 72
Sample ID: ccb6
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/22/2009 11:01:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb6

Analyte	Back Pressure	Flow
All	263.0 kPa	0.70 L/min

Mean Data: ccb6

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	117.7	0.0072	mg/L	0.00201	0.0072	mg/L	0.00201	28.10%
Tl 191	-45.4	-0.0039	mg/L	0.00067	-0.0039	mg/L	0.00067	16.96%
Se 196	-40.6	0.0002	mg/L	0.00156	0.0002	mg/L	0.00156	943.47%
Sb 207	22.6	-0.0029	mg/L	0.00003	-0.0029	mg/L	0.00003	0.89%
Zn 214	-429.3	0.0010	mg/L	0.00072	0.0010	mg/L	0.00072	73.54%
Cd 214	481.4	0.0028	mg/L	0.00018	0.0028	mg/L	0.00018	6.33%
Pb 220	-22.4	0.0052	mg/L	0.00026	0.0052	mg/L	0.00026	4.95%
Co 229	-59.6	0.0004	mg/L	0.00067	0.0004	mg/L	0.00067	154.30%
Ni 232	370.0	0.0023	mg/L	0.00042	0.0023	mg/L	0.00042	18.33%
Ba 234	-316.1	0.0074	mg/L	0.00054	0.0074	mg/L	0.00054	7.31%
Mn 258	-2257.8	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	17.06%
Fe 260	70.1	0.0101	mg/L	0.01494	0.0101	mg/L	0.01494	148.29%
Cr 268	-3.5	0.0042	mg/L	0.00012	0.0042	mg/L	0.00012	2.85%
Mg 279	-193.8	-0.0151	mg/L	0.00084	-0.0151	mg/L	0.00084	5.57%
V 292	1142.1	0.0050	mg/L	0.00018	0.0050	mg/L	0.00018	3.51%
Al 308	387.3	0.0376	mg/L	0.00821	0.0376	mg/L	0.00821	21.84%
Be 313	-281.6	0.0023	mg/L	0.00274	0.0023	mg/L	0.00274	121.70%
Ca 318	-4.3	0.0066	mg/L	0.00907	0.0066	mg/L	0.00907	137.47%

Cu 325	2980.9	0.0076 mg/L	0.00053	0.0076 mg/L	0.00053	7.06%
Ag 328	265.7	0.0004 mg/L	0.00037	0.0004 mg/L	0.00037	92.76%
Na 590	-39.0	0.0123 mg/L	0.00659	0.0123 mg/L	0.00659	53.38%
K 766	784.8	0.0248 mg/L	0.00211	0.0248 mg/L	0.00211	8.49%

Analytical Results

Tetra Tech

Project: Goodyear Dump

SGS Laboratory Number: G368-76

SGS North America, Inc.
5500 Business Drive
Wilmington, North Carolina 28405
Telephone: 910-350-1903

CASE NARRATIVE
Tetra Tech
Project: Goodyear Dump
SGS Laboratory Number: G368-76

DATE: July 31st, 2009

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within. The Laboratory Manager or designee, as verified by the following signature has authorized release of the data contained in the hard copy data package.

SAMPLE RECEIPT OBSERVATIONS:

The samples were received July 29th, 2009 at 1000 via courier in good condition. The samples arrived with a temperature of 4.7° C.

Submitted by,

Linda McWhirter
Project Manager

SGS TestAmerica

CHAIN OF CUSTODY RECORD

G368-76

☐ Nashville, TN ☐ Dayton, OH ☐ Indianapolis, IN
☐ Orlando, FL ☐ Watertown, WI
☐ Cedar Falls, IA ☐ Pontiac, MI

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? Yes No
Enforcement Action? Yes No

Client Name/Account #: TETRA TECH
Address: 1955 EVERGREEN BLVD BLDG 200 SUITE 300
City/State/Zip: DULUTH, GA 30096
Project Manager: SHERRY WEEDMAN
Telephone Number: 502-568-6688 **Fax No.:** 502-568-6222
Sampler Name: (Print) TODD CURTIS
Sampler Signature:

Report To: JESSICA.VICKERS@TTEMI.COM
Invoice To:
TA Quote #:
Project ID: GOODYEAR DUMP
Project #: 05-001-0098

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass (Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: Lead Total	PCB	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
GYD-CS-14	7-28-09	1141	2		X		X												X		X	X	X			
GYD-CS-15	7-28-09	1156	2		X		X												X		X	X	X			
GYD-CS-16	7-28-09	1218	2		X		X												X		X	X	X			

Special Instructions: 24 HOUR TAT PLEASE.

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	7-28-09	1930		7/29/09	1000
Relinquished by:	**Date**	**Time**	**Received by TestAmerica:**	**Date**	**Time**

Laboratory Comments:
Temperature Upon Receipt: 4.7°C
VOCs Free of Headspace? Y N
No custody seal

SGS Environmental Services, Inc.

Cust Proj ID: Goodyear Dump 05-001-0098
Client Name: Tetra Tech EM, Inc. PO:

G368-76

Due Date: 2009-07-30 17:00:00
Login Date: 2009-07-29 10:09:49

Sample ID		Cust Sample ID	PRI	Date Collected	Date Received	Date Due	Matrix	LOC	Report	Analysis	Status
G368-76-1	A	GYD-CS-14	**RUSH**	2009-07-28 11:41:00	2009-07-29	2009-07-30	Soil	W1H	Full + J's	8082-Soil	LG::REVW
						2009-07-30	Soil	W1H	Full + J's	Pb	LG::REVW
	B					2009-07-30	Soil	L1	Full + J's	8082-Soil	LG::REVW
						2009-07-30	Soil	L1	Full + J's	Pb	LG::REVW
G368-76-2	A	GYD-CS-15	**RUSH**	2009-07-28 11:56:00	2009-07-29	2009-07-30	Soil	W1H	Full + J's	8082-Soil	LG::REVW
						2009-07-30	Soil	W1H	Full + J's	Pb	LG::REVW
	B					2009-07-30	Soil	L1	Full + J's	8082-Soil	LG::REVW
						2009-07-30	Soil	L1	Full + J's	Pb	LG::REVW
G368-76-3	A	GYD-CS-16	**RUSH**	2009-07-28 12:18:00	2009-07-29	2009-07-30	Soil	W1H	Full + J's	8082-Soil	LG::REVW
						2009-07-30	Soil	W1H	Full + J's	Pb	LG::REVW
	B					2009-07-30	Soil	L1	Full + J's	8082-Soil	LG::REVW
						2009-07-30	Soil	L1	Full + J's	Pb	LG::REVW

Sample Receipt Checklist (SRC)

SGS Environmetal Services Inc.

Client: **Tetra Tech EM, Inc.** Lab Proj. ID: **G368-76**

Client Proj. ID: **Goodyear Dump 05-001-0098**

1. X Shipped — Notes:
__ Hand Delivered

2. X Proper, full, and complete documentation — Notes:
(unique sample identification on durable label with indelible ink, location of collection, date/time of collection, collector's name, preservation type, sample type (method/matrix))
__ Acceptable documentation (but, incomplete)
__ Unacceptable documentation

3. __ Custody Tape on Container — Notes:
X No Custody Tape

4. X Samples Intact* — Notes:
(are in appropriate container, are not damaged, and do not show signs of contamination)
__ Samples Broken / Leaking
__ VOA Vials Checked for Air Bubbles

5. X Chilled on Receipt* Actual Temp.(s) in °C: 4.7
__ Ambient on Receipt — Notes:
__ Walk-in on Ice; Coming down to temp.
__ Received out of temperature protocol

6. X Sufficient Sample Submitted — Notes:
__ Insufficient Sample Submitted

7. X Samples Preserved Correctly* — Notes:
(see preservative checklist where applicable)
__ Improper Preservative(s)
__ None recommended (N/A)

8. X Received Within Holding Time — Notes:
__ Not Received Within Holding Time
__ N/A

9. X No Discrepancies Noted — Notes:
__ Discrepancies Noted

Comments:

* = Rejection of sample is required when not marked; Contact client services immediately for a resolution.

Inspected and Logged in by:

DC27.091503.3 Date / Time: Wed-7/29/09 10:09

CASE NARRATIVE
Tetra Tech
Project: Goodyear Dump
SGS Laboratory Number: G368-76

DATE: July 31st, 2009

PCB REPORT:

The samples were analyzed for PCB's according to the guidelines of Method SW8082.

The PCB responses were quantitated by the Aroclor multi-component analysis, using at minimum three unique peaks of the pattern.

All initial calibration verifications and continuing calibration verifications met acceptance criteria. The 5-pt. initial calibration consists of Aroclor s 1221, 1232, 1242, 1248, 1254, PCB 1016/1260 and Surrogates.

The surrogate standard percent recoveries were within quality control criteria.

The method blank was free of interferences.

The LCS met all acceptance criteria.

The Quantitation Limits (RL) are adjusted for percent solids, dilution factors and extraction volumes as applicable.

The sampling to extraction holding time and extraction to analysis holding time was met for the samples.

8082 Prep, Standard, Run Logs

Prep Report for Batch 14760 (8082/3541/SOIL) on 2009-07-29 by dtf

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot	HexaneLot	Balance
G368-76-1G (636326)		35.54			8080SRSV03W79U-Y	1.0	10.0	CZ648	CY382	PB3002-SA
G368-76-2D (636327)		33.32			8080SRSV03W79U-Y	1.0	10.0	CZ648	CY382	PB3002-SA
G368-76-3D (636328)		33.80			8080SRSV03W79U-Y	1.0	10.0	CZ648	CY382	PB3002-SA
G368-76-3E (636329)	MS	34.30	8082QCSV03W67R	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ648	CY382	PB3002-SA
G368-76-3F (636330)	MSD	32.01	8082QCSV03W67R	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ648	CY382	PB3002-SA
LCS14760	LCS	32.0	8082QCSV03W67R	1.0	8080SRSV03W79U-Y	1.0	10.0	CZ648	CY382	PB3002-SA
PB14760	PB	32.0			8080SRSV03W79U-Y	1.0	10.0	CZ648	CY382	PB3002-SA

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082 | Initial Cal. Curve: 06/16/09

Matrix: Soil/Water | Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	6/16/2009 12:07					BWS	
001B0102.D	b	6/16/2009 12:19					BWS	
001B0103.D	b	6/16/2009 12:32					BWS	
001B0104.D	b	6/16/2009 12:45					BWS	
001B0105.D	b	6/16/2009 12:58					BWS	
002B0201.D	PCB 2000	6/16/2009 13:11					BWS	
002B0202.D	PCB 2000	6/16/2009 13:24					BWS	
002B0203.D	PCB 2000	6/16/2009 13:37					BWS	
002B0204.D	PCB 2000	6/16/2009 13:50					BWS	
002B0205.D	PCB 2000	6/16/2009 14:02					BWS	
003B0301.D	b	6/16/2009 14:15					BWS	
003B0302.D	b	6/16/2009 14:28					BWS	
003B0303.D	b	6/16/2009 14:40					BWS	
003B0304.D	b	6/16/2009 14:53					BWS	
003B0305.D	b	6/16/2009 15:06					BWS	
004B0401.D	A1221 x2000 ICAL	6/16/2009 15:19	Good curve F+B	✓	✓		BWS	
005B0501.D	A1221 x1000 ICAL	6/16/2009 15:32	↓	↓	↓		BWS	
006B0601.D	A1221 x500 ICAL	6/16/2009 15:45	↓	↓	↓		BWS	
007B0701.D	A1221 x200 ICAL	6/16/2009 15:57	↓	↓	↓		BWS	
008B0801.D	A1221 x100 ICAL	6/16/2009 16:10	↓	↓	↓		BWS	
009B0901.D	A1221 x40 ICAL	6/16/2009 16:23	↓	↓	↓		BWS	
010B1001.D	A1232 x2000 ICAL	6/16/2009 16:36	Good curve F+B	✓	✓		BWS	
011B1101.D	A1232 x1000 ICAL	6/16/2009 16:49	↓	↓	↓		BWS	
012B1201.D	A1232 x500 ICAL	6/16/2009 17:02	↓	↓	↓		BWS	

Analyst: [illegible] Standards: Curve = ECD04-W9T QC = ECD04-W10A Page Number: 1

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
013B1301.D	A1232 x200 ICAL	6/16/2009 17:15	Good Curve F + B	✓	✓		BWS	
014B1401.D	A1232 x100 ICAL	6/16/2009 17:28		↓	↓		BWS	
015B1501.D	A1232 x40 ICAL	6/16/2009 17:40		↓	↓		BWS	
016B1601.D	A1242 x2000 ICAL	6/16/2009 17:53	Good Curve F+B	✓	✓		BWS	
017B1701.D	A1242 x1000 ICAL	6/16/2009 18:06		↓	↓		BWS	
018B1801.D	A1242 x500 ICAL	6/16/2009 18:19		↓	↓		BWS	
019B1901.D	A1242 x200 ICAL	6/16/2009 18:32		↓	↓		BWS	
020B2001.D	A1242 x100 ICAL	6/16/2009 18:45		↓	↓		BWS	
021B2101.D	A1242 x40 ICAL	6/16/2009 18:58		↓	↓		BWS	
022B2201.D	A1248 x2000 ICAL	6/16/2009 19:11	Good Curve F + B	✓	✓		BWS	
023B2301.D	A1248 x1000 ICAL	6/16/2009 19:24		↓	↓		BWS	
024B2401.D	A1248 x500 ICAL	6/16/2009 19:37		↓	↓		BWS	
025B2501.D	A1248 x200 ICAL	6/16/2009 19:49		↓	↓		BWS	
026B2601.D	A1248 x100 ICAL	6/16/2009 20:02		↓	↓		BWS	
027B2701.D	A1248 x40 ICAL	6/16/2009 20:15		↓	↓		BWS	
028B2801.D	A1254 x2000 ICAL	6/16/2009 20:28	Good Curve F + B	✓	✓		BWS	
029B2901.D	A1254 x1000 ICAL	6/16/2009 20:41		↓	↓		BWS	
030B3001.D	A1254 x500 ICAL	6/16/2009 20:54		↓	↓		BWS	
031B3101.D	A1254 x200 ICAL	6/16/2009 21:07		↓	↓		BWS	
032B3201.D	A1254 x100 ICAL	6/16/2009 21:20		↓	↓		BWS	
033B3301.D	A1254 x40 ICAL	6/16/2009 21:33		↓	↓		BWS	
034B3401.D	PCB x2000 ICAL	6/16/2009 21:46	Good Curve F+ B	✓	✓		BWS	
035B3501.D	PCB x1000 ICAL	6/16/2009 21:58		↓	↓		BWS	

Analyst: [illegible]

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 2

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec061609

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
036B3601.D	PCB x500 ICAL	6/16/2009 22:11	Good Curve F + B	✓	✓		BWS	
037B3701.D	PCB x200 ICAL	6/16/2009 22:24		↓	↓		BWS	
038B3801.D	PCB x100 ICAL	6/16/2009 22:37		↓	↓		BWS	
039B3901.D	PCB x40 ICAL	6/16/2009 22:50		↓	↓		BWS	
040B4001.D	cvs-1221-1000	6/16/2009 23:03			✓		BWS	
041B4101.D	cvs-1232-1000	6/16/2009 23:16			✓		BWS	
042B4201.D	cvs-1242-1000	6/16/2009 23:29			✓		BWS	
043B4301.D	cvs-1248-1000	6/16/2009 23:42			✓		BWS	
044B4401.D	cvs-1254-1000	6/16/2009 23:55			✓		BWS	
045B4501.D	cvs-PCB-1000	6/17/2009 0:07			✓		BWS	
046B4601.D	PB14434 x1	6/17/2009 0:20			✓		BWS	
047B4701.D	LCS14434 x1	6/17/2009 0:33			✓		BWS	
048B4801.D	LCSD14434 x1	6/17/2009 0:46			✓		BWS	
049B4901.D	G582-382-1O x100	6/17/2009 0:59	54-5; 60-3 (54,60)		~~X200~~ ✓		BWS	
050B5001.D	G582-386-1J x1	6/17/2009 1:12	54-5; 60-3 (54,60)		✓		BWS	
051B5101.D	G582-387-1I x1	6/17/2009 1:25			x5		BWS	
052B5201.D	G100-1090-6D x1	6/17/2009 1:38			✓		BWS	
044B5301.D	cvs-1254-1000	6/17/2009 1:50			✓		BWS	
045B5401.D	cvs-PCB-1000	6/17/2009 2:03			✓		BWS	
		BWS	6.17.09					

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 3

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082 | Initial Cal. Curve: 06/16/09

Matrix: Soil/Water | Batch: ec072909

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001B0101.D	b	7/29/2009 8:55					BWS	
002B0201.D	b	7/29/2009 9:08					BWS	
003B0301.D	b	7/29/2009 9:21					BWS	
004B0401.D	cvs-1221-1000	7/29/2009 9:33	DCBF NG 14		✓		BWS	
005B0501.D	cvs-1232-1000	7/29/2009 9:46	↓		✓		BWS	
006B0601.D	cvs-1242-1000	7/29/2009 9:59	↓		✓		BWS	
007B0701.D	cvs-1248-1000	7/29/2009 10:12			✓		BWS	
008B0801.D	cvs-1254-1000	7/29/2009 10:25			✓		BWS	
009B0901.D	cvs-PCB-1000	7/29/2009 10:38			✓		BWS	
010B1001.D	G122-3394-21B x100	7/29/2009 10:51	54-5, 60-3 cid= 635254 (54, 60)		✓		BWS	
011B1101.D	G122-3394-28B x1	7/29/2009 11:03	(1260)		✓		BWS	
012B1201.D	G122-3394-30B x1	7/29/2009 11:16	(1260)		✓		BWS	
013B1301.D	G122-3394-32B x5	7/29/2009 11:29	(1260)		✓		BWS	
014B1401.D	G122-3394-33B x1000	7/29/2009 11:42	cid= 635266 (1248)		✓		BWS	
015B1501.D	G122-3394-34B x1	7/29/2009 11:55	48-5 (48, 60)		✓		BWS	
016B1601.D	G122-3394-36B x1	7/29/2009 12:08	(1260)		✓		BWS	
017B1701.D	G122-3394-36C MS x1	7/29/2009 12:21	bad injection cid= 635270		RR		BWS	
018B1801.D	G582-413-24C x20	7/29/2009 12:33			X200		BWS	
019B1901.D	G582-413-25C x10	7/29/2009 12:46			X1		BWS	
020B2001.D	cvs-1254-1000	7/29/2009 12:59			✓		BWS	
021B2101.D	cvs-PCB-1000	7/29/2009 13:12			✓		BWS	
022B2201.D	G122-3394-36D MSD x1	7/29/2009 13:25	peak 5 cid= 635271		✓		BWS	
023B2301.D	G122-3394-12B x500	7/29/2009 13:38	~~peak 5~~ cid= 635241 (54, 60) 54-5, 60-3		✓		BWS	

Analyst: Bw

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 1

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082 | Initial Cal. Curve: 06/16/09

Matrix: Soil/Water | Batch: ec072909

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
024B2401.D	PBT14747 x1	7/29/2009 13:51			✓		BWS	
025B2501.D	G582-413-24C x200	7/29/2009 14:03	cid= 635038 DNT		✓		BWS	
026B2601.D	G582-413-25C x1	7/29/2009 14:16			✓		BWS	
027B2701.D	PBS14747 x1	7/29/2009 14:29			✓		BWS	
028B2801.D	LCS14747 x1	7/29/2009 14:42			✓		BWS	
029B2901.D	LCSD14747 x1	7/29/2009 14:55			✓		BWS	
030B3001.D	G582-416-20C x1	7/29/2009 15:08			✓		BWS	
031B3101.D	G582-416-21C x1	7/29/2009 15:20			✓		BWS	
032B3201.D	cvs-1254-1000	7/29/2009 15:33			✓		BWS	
033B3301.D	cvs-PCB-1000	7/29/2009 15:46			✓		BWS	
034B3401.D	PB14750 x1	7/29/2009 15:59			✓		BWS	
035B3501.D	LCS14750 x1	7/29/2009 16:12			✓		BWS	
036B3601.D	G582-406-11H x1	7/29/2009 16:25	54-5; 60-3,4 (54,60)		✓		BWS	
037B3701.D	G582-406-13H x1	7/29/2009 16:37	54-5; 60-3,4 (54,60)		✓		BWS	
038B3801.D	G582-406-14H x1	7/29/2009 16:50	54-5; 60-3 (54,60)		✓		BWS	
039B3901.D	G582-408-8E x1	7/29/2009 17:03	54-5; 60-3,4 (54,60)		✓		BWS	
040B4001.D	G582-408-9E x1	7/29/2009 17:16	54-5; 60-3,4 (54,60)		✓		BWS	
041B4101.D	G582-408-11E x1	7/29/2009 17:29	(1254)		✓		BWS	
042B4201.D	G582-408-13E x1	7/29/2009 17:42	54-5; 60-3,4 (54,60)		✓		BWS	
043B4301.D	G582-408-14E x1	7/29/2009 17:55	54-5; 60-3,4 (54,60)		✓		BWS	
044B4401.D	cvs-1254-1000	7/29/2009 18:07			✓		BWS	
045B4501.D	cvs-PCB-1000	7/29/2009 18:20			✓		BWS	
046B4601.D	G709-19-1B x1	7/29/2009 18:33	TCMX NGL		✓		BWS	

Analyst: BWS | Standards: Curve = ECD04-W9T QC = ECD04-W10A | Page Number: 2

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082

Matrix: Soil/Water

Initial Cal. Curve: 06/16/09

Batch: ec072909

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
047B4701.D	G582-408-14F MS x1	7/29/2009 18:46	peak 5 cid= 635913		✓		BWS	
048B4801.D	G582-408-14G MSD x1	7/29/2009 18:59	↓ cid= 635914		✓		BWS	
049B4901.D	G582-416-22C x1	7/29/2009 19:12			✓		BWS	
050B5001.D	G582-416-23C x1	7/29/2009 19:25			✓		BWS	
051B5101.D	G582-416-24C x1	7/29/2009 19:38	DCBP NGH Mx. interference		✓		BWS	
052B5201.D	G582-416-25C x1	7/29/2009 19:51			✓		BWS	
053B5301.D	G1088-1-3C x1	7/29/2009 20:03			✓		BWS	
054B5401.D	G122-3394-31B x20	7/29/2009 20:16	cid= 635264 (1260)		✓		BWS	
055B5501.D	G122-3394-35B x20	7/29/2009 20:29	54-5; 60 } cid= 635268 (54, 60)		✓		BWS	
044B5601.D	cvs-1254-1000	7/29/2009 20:42			✓		BWS	
045B5701.D	cvs-PCB-1000	7/29/2009 20:55			✓		BWS	
056B5801.D	PB14759 x1	7/29/2009 21:08			✓		BWS	
057B5901.D	LCS14759 x1	7/29/2009 21:21			✓		BWS	
058B6001.D	LCSD14759 x1	7/29/2009 21:34			✓		BWS	
059B6101.D	G582-417-1B x1	7/29/2009 21:47	1254		✓		BWS	
060B6201.D	G582-417-2B x1	7/29/2009 22:00			✓		BWS	
061B6301.D	G582-417-3B x1	7/29/2009 22:13	1254		✓		BWS	
062B6401.D	G582-417-4B x1	7/29/2009 22:25	1254		✓		BWS	
063B6501.D	G582-417-5B x1	7/29/2009 22:38			✓		BWS	
064B6601.D	G582-417-6B x1	7/29/2009 22:51			✓		BWS	
044B6701.D	cvs-1254-1000	7/29/2009 23:04			✓		BWS	
045B6801.D	cvs-PCB-1000	7/29/2009 23:17			✓		BWS	
065B6901.D	PB14760 x1	7/29/2009 23:30			✓		BWS	

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 3

SGS Environmental Services

ECD2 Runlog Sheet

Method: 8082 | Initial Cal. Curve: 06/16/09

Matrix: Soil/Water | Batch: ec072909

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
066B7001.D	LCS14760 x1	7/29/2009 23:43			✓		BWS	
067B7101.D	G368-76-1G x1	7/29/2009 23:56	48-5; 60-4 (48, 60)		✓		BWS	
068B7201.D	G368-76-2D x1	7/30/2009 0:09	(1248)		✓		BWS	
069B7301.D	G368-76-3D x1	7/30/2009 0:22			✓		BWS	
070B7401.D	G368-76-3E MS x1	7/30/2009 0:35	cid= 636329		✓		BWS	
071B7501.D	G368-76-3F MSD x1	7/30/2009 0:48	cid= 636330		✓		BWS	
044B7601.D	cvs-1254-1000	7/30/2009 1:01			✓		BWS	
045B7701.D	cvs-PCB-1000	7/30/2009 1:13			✓		BWS	
		BWS						
			7-30-09					

Analyst: BWS

Standards: Curve = ECD04-W9T QC = ECD04-W10A

Page Number: 4

8082 Calibration Raw Data

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	245.3261566	2.81282
		2	155.8206329	2.9226999
		3	638.8563843	2.9537599
		4	0	0
		5	0	0
	100	1	500.9041748	2.8134401
		2	303.3854675	2.92314
		3	1263.362671	2.9544599
		4	0	0
		5	0	0
	200	1	1008.540039	2.8132801
		2	614.2987671	2.9228699
		3	2581.186279	2.9542
		4	0	0
		5	0	0
	500	1	2391.794678	2.8136101
		2	1448.612183	2.9233999
		3	5996.157715	2.9551401
		4	0	0
		5	0	0
	1000	1	5249.20459	2.8127799
		2	2938.137451	2.92238
		3	12695.41699	2.9535899
		4	0	0
		5	0	0
	2000	1	10792.90527	2.81248
		2	5933.97168	2.92207
		3	25705.44531	2.9533701
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	2.7831	2.8431
2	2.8928	2.9528
3	2.9241	2.9841
4		
5		

Peak	Correlation Coefficient (r)
1	0.999547291
2	0.99993285
3	0.999800257
4	
5	

Peak	Slope (y)
1	0.184846976
2	0.338626207
3	0.077910074
4	
5	

Peak	Intercept (b)
1	18.03074848
2	-3.063931603
3	5.287071647
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	128.4451447	3.47328
		2	130.5376434	3.7929001
		3	138.2742157	4.1808
		4	77.82170105	4.6981201
		5	96.44385529	5.0638099
	100	1	216.2887573	3.4734199
		2	200.2416382	3.79285
		3	210.9858551	4.1808701
		4	116.2147293	4.6984401
		5	142.0018921	5.0647101
	200	1	486.6502991	3.4735601
		2	427.340332	3.7934599
		3	469.4269409	4.1813598
		4	247.6925964	4.6983299
		5	301.9916687	5.0646
	500	1	1370.64856	3.4731901
		2	1150.080566	3.7936101
		3	1341.419922	4.1807799
		4	687.4240723	4.6979799
		5	817.4537964	5.0646801
	1000	1	2691.677979	3.4730201
		2	2218.20874	3.7932701
		3	2850.830322	4.1803799
		4	1341.828247	4.6978002
		5	1594.224243	5.0641999
	2000	1	5829.130859	3.4735501
		2	4788.60791	3.7937801
		3	7059.396484	4.1809101
		4	2918.447266	4.6979399
		5	3467.224609	5.06462

Peak	RT Window From	RT Window To
1	3.4433	3.5033
2	3.7633	3.8233
3	4.1508	4.2108
4	4.6681	4.7281
5	5.0344	5.0944

Peak	Correlation Coefficient (r)
1	0.999266493
2	0.999219182
3	0.995103716
4	0.999080518
5	0.999057834

✓

Peak	Slope (y)
1	0.342282466
2	0.419088189
3	0.280616234
4	0.686112548
5	0.578432121

Peak	Intercept (b)
1	28.29322338
2	17.30362431
3	75.4780663
4	23.70756688
5	21.14125161

PCB Initial Calibration Summary

Sample ID: A1242
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	113.9381485	3.47331
		2	252.1701965	3.7927699
		3	246.2476196	4.1816001
		4	149.9369507	4.69876
		5	173.3050385	5.0646601
	100	1	207.6104431	3.4740601
		2	414.2875061	3.7943499
		3	543.1567383	4.1816502
		4	276.8204651	4.6985002
		5	336.6770325	5.06496
	200	1	395.3930054	3.4739399
		2	780.1361694	3.79441
		3	1045.235474	4.18186
		4	536.1246948	4.6989398
		5	648.7318115	5.0650902
	500	1	960.0159912	3.47364
		2	1938.765625	3.79444
		3	2829.961426	4.1811299
		4	1360.825806	4.6981301
		5	1634.499023	5.06464
	1000	1	2033.830322	3.4737101
		2	4071.440674	3.7948501
		3	6488.691406	4.18156
		4	2958.269775	4.6987901
		5	3563.592041	5.0651002
	2000	1	3962.707275	3.4741099
		2	7946.291992	3.79532
		3	12468.87988	4.1816802
		4	5915.206055	4.6987801
		5	7151.570801	5.0652599

Peak	RT Window From	RT Window To
1	3.4438	3.5038
2	3.7644	3.8244
3	4.1516	4.2116
4	4.6687	4.7287
5	5.0350	5.0950

Peak	Correlation Coefficient (r)
1	0.999808258
2	0.999804811
3	0.999330689
4	0.999726656
5	0.999718569

✓

Peak	Slope (y)
1	0.504723015
2	0.251962874
3	0.157819658
4	0.336631004
5	0.278421794

Peak	Intercept (b)
1	-5.498271349
2	-6.834562602
3	18.65946912
4	11.78013154
5	13.16229906

PCB Initial Calibration Summary

Sample ID: A1248
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	180.3321991	4.46912
		2	266.9612122	4.6998501
		3	314.8575134	5.0650902
		4	283.4669495	5.2547898
		5	125.6370163	5.6012502
	100	1	311.6848145	4.4682598
		2	390.6215515	4.6981702
		3	563.4898682	5.0645099
		4	539.5948486	5.2544198
		5	232.8683472	5.6003799
	200	1	701.99823	4.4685998
		2	905.8077393	4.6981902
		3	1303.56958	5.0648398
		4	1268.165771	5.2543702
		5	535.5101318	5.6005902
	500	1	1901.684937	4.4695501
		2	2512.919678	4.69941
		3	3658.345947	5.0655298
		4	3585.534424	5.2551899
		5	1494.218994	5.6015201
	1000	1	4111.20459	4.4686298
		2	5394.391602	4.6985502
		3	7994.771484	5.0648599
		4	7896.041504	5.2544498
		5	3272.715576	5.60109
	2000	1	8806.677734	4.4691
		2	11836.07129	4.6990199
		3	17186.01758	5.0652699
		4	17175.9707	5.25488
		5	7110.137695	5.6010199

Peak	RT Window From	RT Window To
1	4.4389	4.4989
2	4.6689	4.7289
3	5.0350	5.0950
4	5.2247	5.2847
5	5.5710	5.6310

Peak	Correlation Coefficient (r)
1	0.999214642
2	0.998741491
3	0.9991701
4	0.99898148
5	0.998990615

✓

Peak	Slope (y)
1	0.225261722
2	0.167686467
3	0.115080361
4	0.114998218
5	0.278205875

Peak	Intercept (b)
1	38.79213832
2	44.52374958
3	45.01435743
4	50.65762646
5	47.83472661

PCB Initial Calibration Summary

Sample ID: A1254
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	229.1189117	5.0585999
		2	249.3790131	5.2213602
		3	330.6585693	5.60078
		4	261.4362183	5.7873101
		5	341.5723877	6.2081499
	100	1	447.2060547	5.0588102
		2	505.8791199	5.22156
		3	680.1452026	5.6012301
		4	629.8706055	5.7874298
		5	720.9144897	6.20858
	200	1	926.4535522	5.0589399
		2	987.8835449	5.2212801
		3	1473.576904	5.60076
		4	1242.702637	5.78721
		5	1477.556396	6.2087498
	500	1	2630.861328	5.0586801
		2	2990.208008	5.2210898
		3	4376.578613	5.6012101
		4	3507.077637	5.7876501
		5	4512.064941	6.20889
	1000	1	5308.978027	5.0584302
		2	6097.466797	5.2210202
		3	8935.365234	5.6009202
		4	7195.558105	5.7871099
		5	9338.537109	6.2082801
	2000	1	10664.68945	5.0589399
		2	10872.67285	5.2214198
		3	18025.05078	5.60109
		4	14417.08203	5.7869501
		5	17500.42969	6.2084498

Peak	RT Window From	RT Window To
1	5.0287	5.0887
2	5.1913	5.2513
3	5.5710	5.6310
4	5.7573	5.8173
5	6.1785	6.2385

Peak	Correlation Coefficient (r)
1	0.999915636
2	0.99777029
3	0.999890888
4	0.99993799
5	0.999128405

Peak	Slope (y)
1	0.186334645
2	0.180272726
3	0.1097659
4	0.137621182
5	0.112275523

Peak	Intercept (b)
1	12.44642635
2	-12.09119839
3	21.26104952
4	14.88497466
5	5.810303883

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	121.0674515	3.47349
		2	251.3697815	3.79391
		3	263.068573	4.1812401
		4	195.8108978	4.2961798
		5	160.0380554	4.6985602
	100	1	217.4214935	3.47403
		2	437.2928162	3.79476
		3	485.585144	4.1816101
		4	360.8550415	4.2965102
		5	295.4402771	4.69875
	200	1	459.3583984	3.47331
		2	925.944458	3.7941699
		3	1129.475098	4.18115
		4	785.0092773	4.2961998
		5	634.2442017	4.6986198
	500	1	1173.999146	3.4734199
		2	2337.430176	3.7948301
		3	3116.475342	4.1812501
		4	2094.157959	4.29603
		5	1677.998413	4.6981301
	1000	1	2033.769165	3.47434
		2	4170.358398	3.7955101
		3	5876.343262	4.1814098
		4	4022.451172	4.2962298
		5	3104.989746	4.6984301
	2000	1	4519.233398	3.4735301
		2	9469.867188	3.79459
		3	14670.11328	4.1814399
		4	8460.355469	4.2961302
		5	6825.107422	4.6985202

Peak	RT Window From	RT Window To
1	3.4437	3.5037
2	3.7646	3.8246
3	4.1513	4.2113
4	4.2662	4.3262
5	4.6685	4.7285

Peak	Correlation Coefficient (r)
1	0.998355568
2	0.997966813
3	0.995224524
4	0.999664696
5	0.99891501

Peak	Slope (y)
1	0.448394325
2	0.213628789
3	0.135993496
4	0.236777332
5	0.294674522

Peak	Intercept (b)
1	2.917677126
2	13.63103358
3	61.09697749
4	11.80448894
5	16.37941922

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	317.7681885	5.7591901
		2	382.4143982	5.9278698
		3	472.3563538	6.20647
		4	666.4926147	6.69345
		5	445.2432251	6.9662399
	100	1	561.5331421	5.75875
		2	743.8937378	5.9271998
		3	927.6226196	6.2058802
		4	1324.988892	6.6930399
		5	870.4468384	6.9654398
	200	1	1251.001831	5.7593498
		2	1690.699341	5.9280801
		3	2103.305664	6.20682
		4	3117.929688	6.6939502
		5	2021.848267	6.9668102
	500	1	3357.37085	5.7589998
		2	4654.072754	5.9275799
		3	5743.004883	6.2065001
		4	8792.444336	6.6933098
		5	5652.148438	6.96594
	1000	1	6291.233887	5.7596598
		2	9044.022461	5.9281502
		3	10616.62402	6.2068701
		4	17067.61328	6.6947699
		5	11121.81738	6.9676399
	2000	1	13629.30078	5.7596002
		2	19083.54102	5.9280601
		3	24213.02539	6.2066202
		4	36985.36719	6.6940398
		5	23803.99414	6.9664102

Peak	RT Window From	RT Window To
1	5.7293	5.7893
2	5.8978	5.9578
3	6.1765	6.2365
4	6.6638	6.7238
5	6.9364	6.9964

Peak	Correlation Coefficient (r)
1	0.999213429
2	0.999670366
3	0.99816869
4	0.999340639
5	0.999516287

Peak	Slope (y)
1	0.147230058
2	0.104555885
3	0.082761897
4	0.053867902
5	0.083666593

Peak	Intercept (b)
1	16.52465945
2	19.65871446
3	32.03194905
4	29.90259793
5	27.62331452

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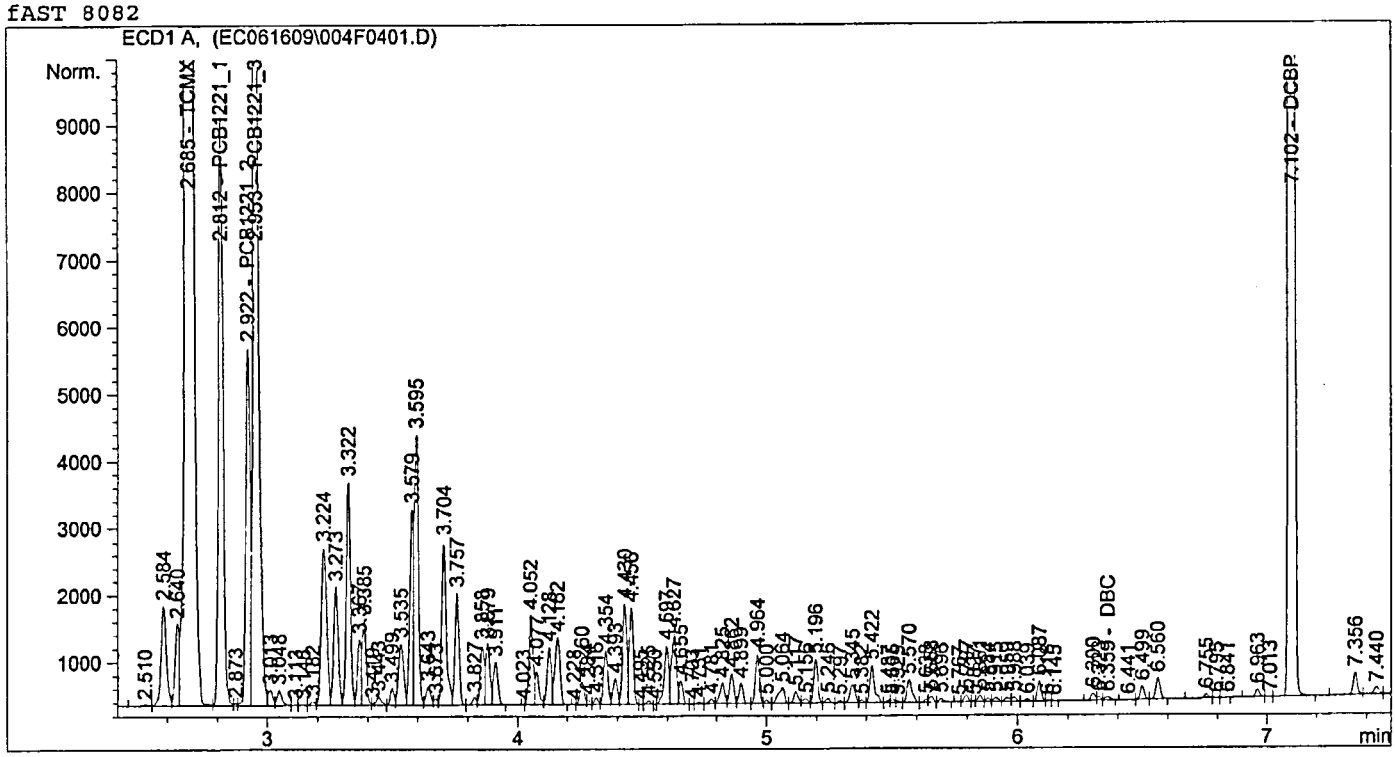
Injection Date : 6/16/2009 2:53:36 PM Seq. Line : 4
Sample Name : A1221 x2000 ICAL Location : Vial 4
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed : 6/17/2009 10:44:50 AM by BWS
fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.25626e5	1.61557e-3	202.95710		TCMX
2.812	VV	1.07929e4	1.86633e-1	2014.31070		PCB1221_1
2.922	VV	5933.97168	3.38141e-1	2006.51791		PCB1221_2
2.953	VV	2.57054e4	7.81370e-2	2008.54689		PCB1221_3
6.359	VBA	68.02941	0.00000	0.00000		DBC
7.102	VB	1.02589e5	1.98494e-3	203.63239		DCBP

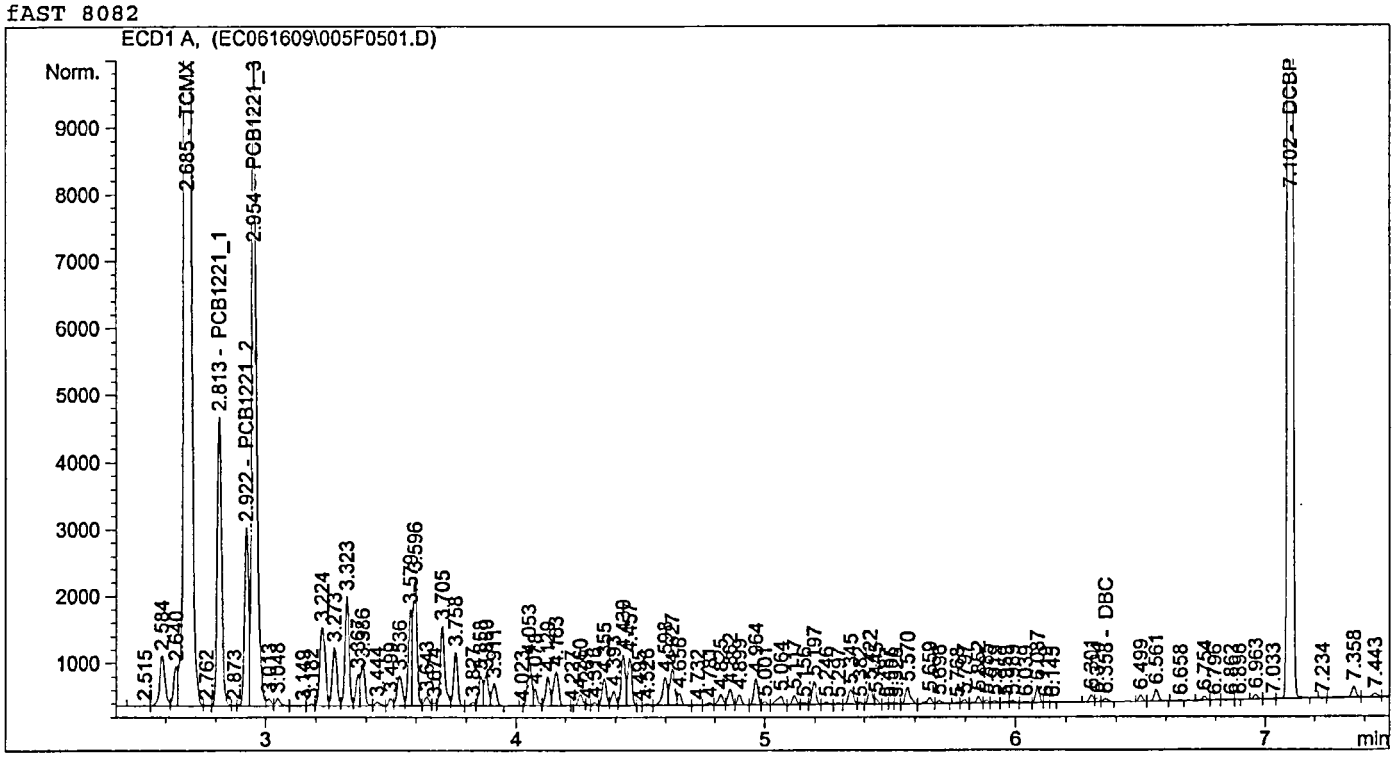
Totals : 6435.96498

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:06:27 PM          Seq. Line :   5
Sample Name     : A1221 x1000 ICAL               Location : Vial 5
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

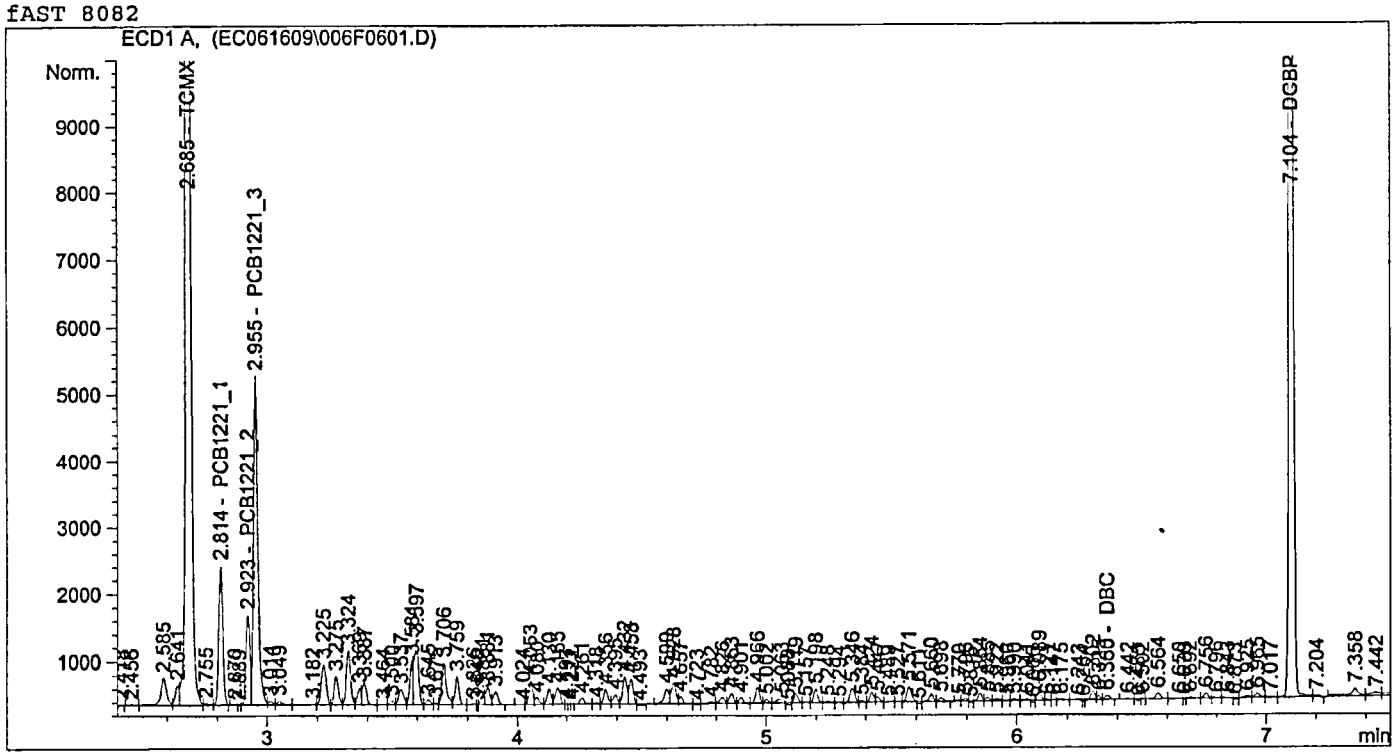
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85362e4	1.65228e-3	96.71822		TCMX
2.813	VV	5249.20459	1.88342e-1	988.64594		PCB1221_1
2.922	VV	2938.13745	3.37599e-1	991.91367		PCB1221_2
2.954	VV	1.26954e4	7.83377e-2	994.52957		PCB1221_3
6.358	VV	69.65521	0.00000	0.00000		DBC
7.102	VB	4.64764e4	2.03257e-3	94.46667		DCBP
Totals :				3166.27407		

JWS
6-17-09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:19:26 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2.50498e4	1.74417e-3	43.69111		TCMX
2.814	VP	2391.79468	1.92317e-1	459.98381		PCB1221_1
2.923	PV	1448.61218	3.36497e-1	487.45363		PCB1221_2
2.955	VV	5996.15771	7.87807e-2	472.38121		PCB1221_3
6.360	VBA	82.02856	0.00000	0.00000		DBC
7.104	VB	2.14117e4	2.13452e-3	45.70364		DCBP
Totals :				1509.21340		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

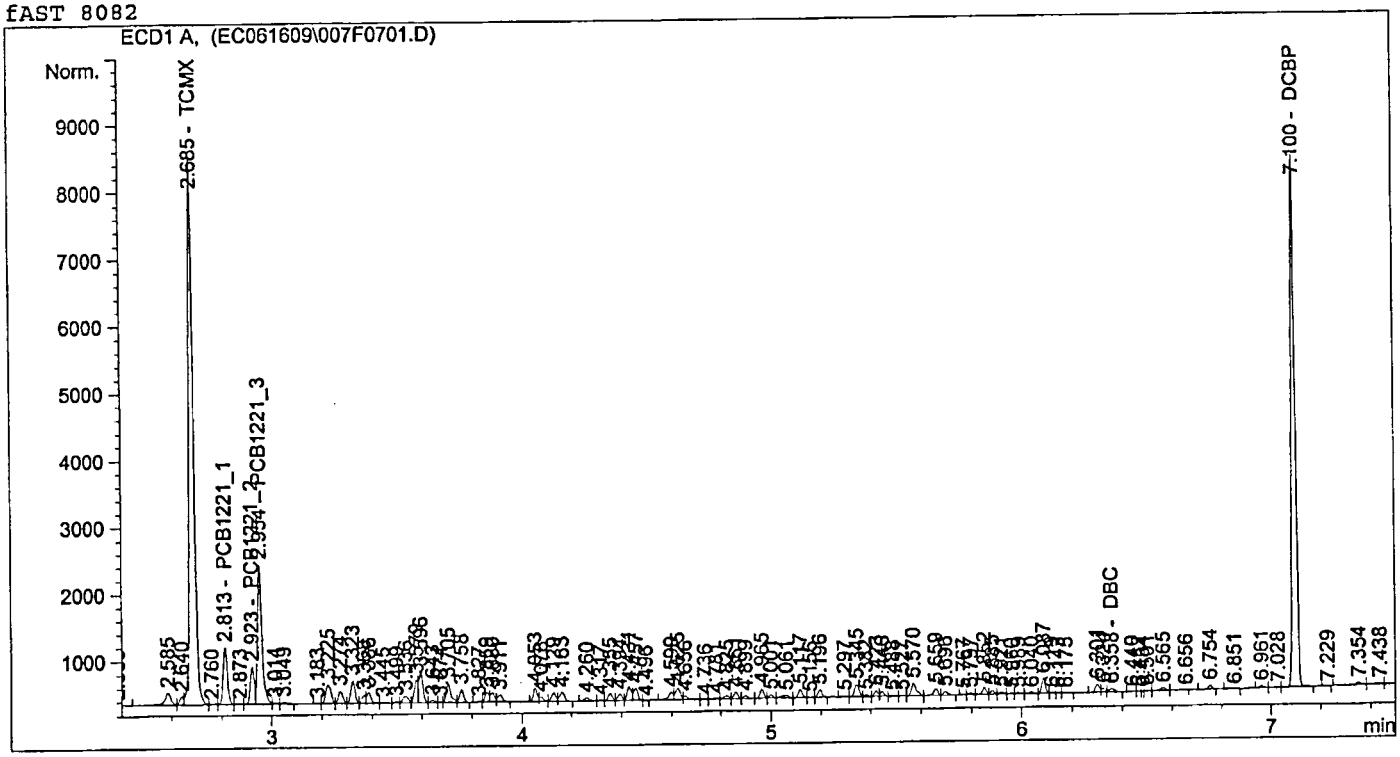
Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

==========

Injection Date : 6/16/2009 3:32:12 PM
Sample Name : A1221 x200 ICAL
Acq. Operator : BWS

Seq. Line : 7
Location : Vial 7
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed : 6/17/2009 10:44:50 AM by BWS
fAST 8082



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:42:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

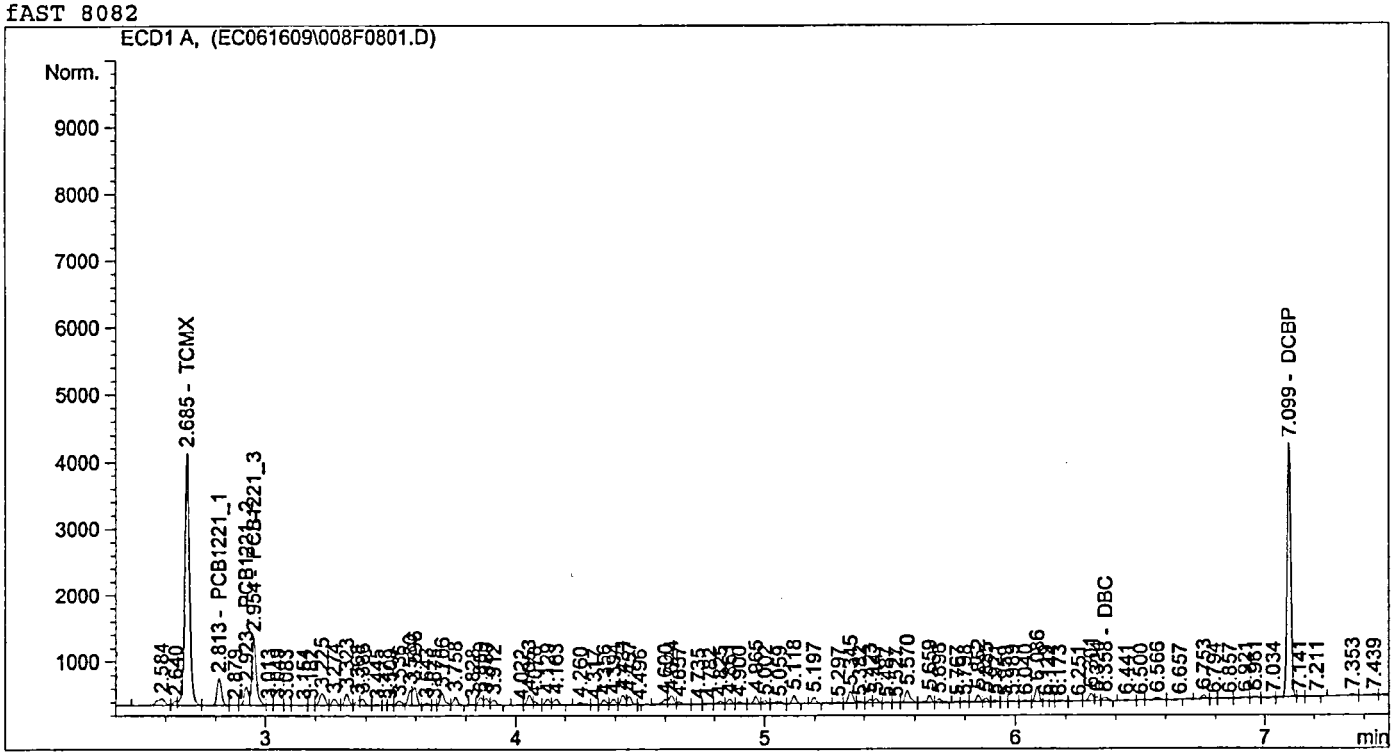
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.06479e4	1.96144e-3	20.88517		TCMX
2.813	VV	1008.54004	2.02334e-1	204.06171		PCB1221_1
2.923	VV	614.29877	3.33543e-1	204.89530		PCB1221_2
2.954	VV	2581.18628	7.98913e-2	206.21421		PCB1221_3
6.358	VBA	75.88888	0.00000	0.00000		DBC
7.100	VB	8395.22266	2.42761e-3	20.38030		DCBP
Totals :				656.43668		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

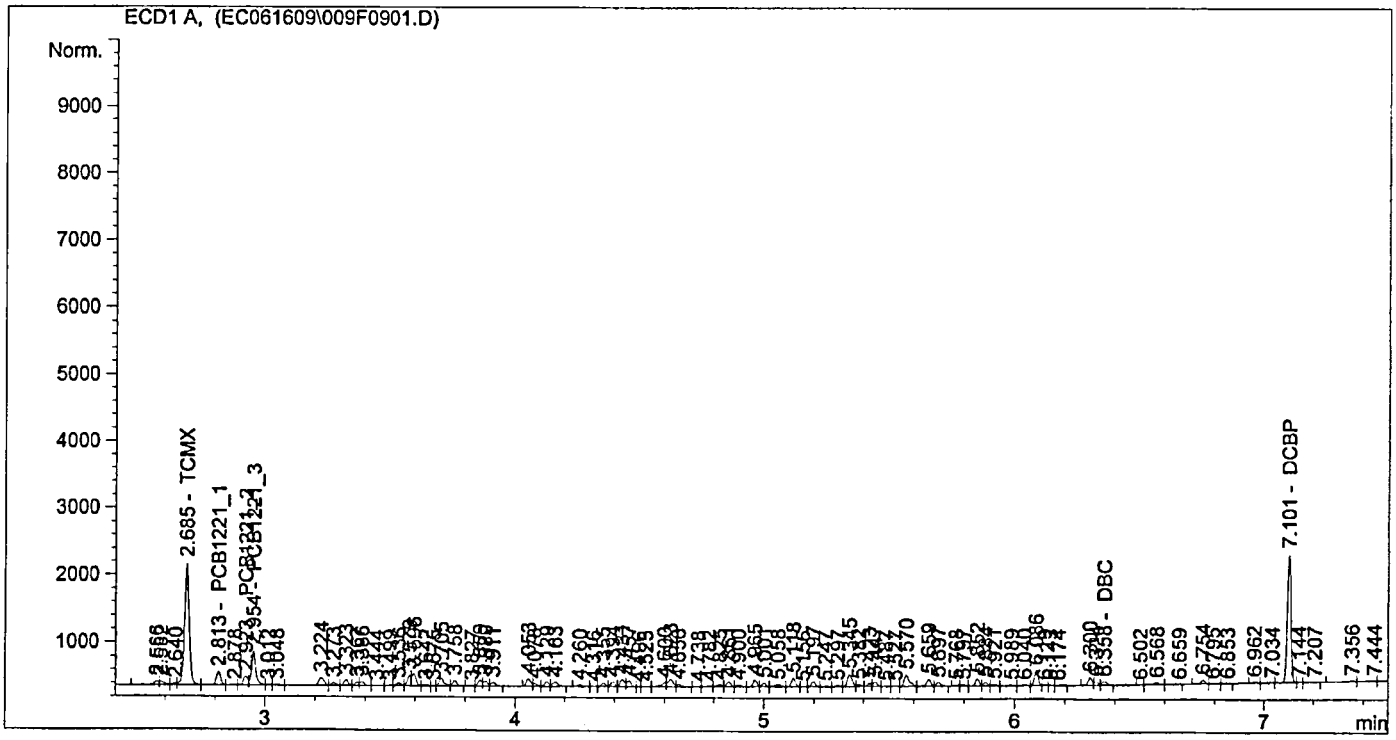
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	4984.73535	2.39078e-3	11.91740		TCMX
2.813	VB	500.90417	2.19886e-1	110.14174		PCB1221_1
2.923	VV	303.38547	3.28288e-1	99.59777		PCB1221_2
2.954	VV	1263.36267	8.19254e-2	103.50145		PCB1221_3
6.358	VBA	71.24101	0.00000	0.00000		DBC
7.099	VV	3984.79590	2.96122e-3	11.79987		DCBP
Totals :				336.95822		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)
```

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   9
Sample Name     : A1221 x40 ICAL                 Location : Vial 9
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1221F.M
Last changed    : 6/17/2009 10:44:50 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:42:19 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

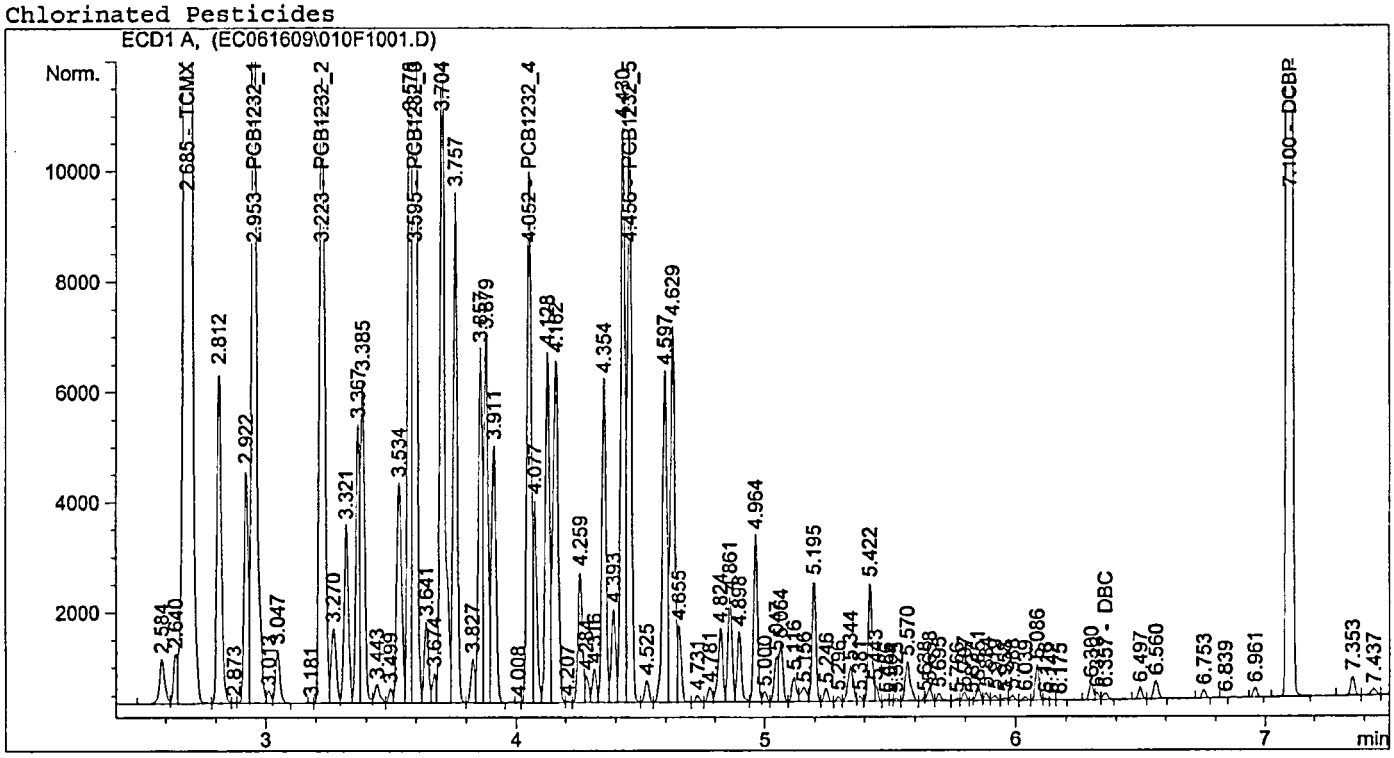
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	2404.18335	3.25724e-3	7.83100		TCMX
2.813	VV	245.32616	2.56214e-1	62.85611		PCB1221_1
2.923	VV	155.82063	3.18454e-1	49.62173		PCB1221_2
2.954	VV	638.85638	8.58200e-2	54.82667		PCB1221_3
6.358	VBA	75.09637	0.00000	0.00000		DBC
7.101	VV	2040.43359	3.92913e-3	8.01714		DCBP
Totals :				183.15265		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Invalid calibration curve, (DBC)

```
==================================================================
Injection Date  : 6/16/2009 4:10:49 PM          Seq. Line :  10
Sample Name     : A1232 x2000 ICAL               Location : Vial 10
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	1.28585e5	1.57867e-3	202.99266		TCMX
2.953	VV	2.19295e4	9.15378e-2	2007.37971		PCB1232_1
3.223	VV	1.67455e4	1.20052e-1	2010.33401		PCB1232_2
3.595	VV	2.48887e4	8.13899e-2	2025.68521		PCB1232_3
4.052	VV	1.13965e4	1.77729e-1	2025.48786		PCB1232_4
4.456	VV	1.19353e4	1.69886e-1	2027.63778		PCB1232_5
6.357	VV	154.62846	1.31176	202.83508		DBC
7.100	PB	1.04339e5	1.95163e-3	203.63069		DCBP

Totals : 1.07060e4

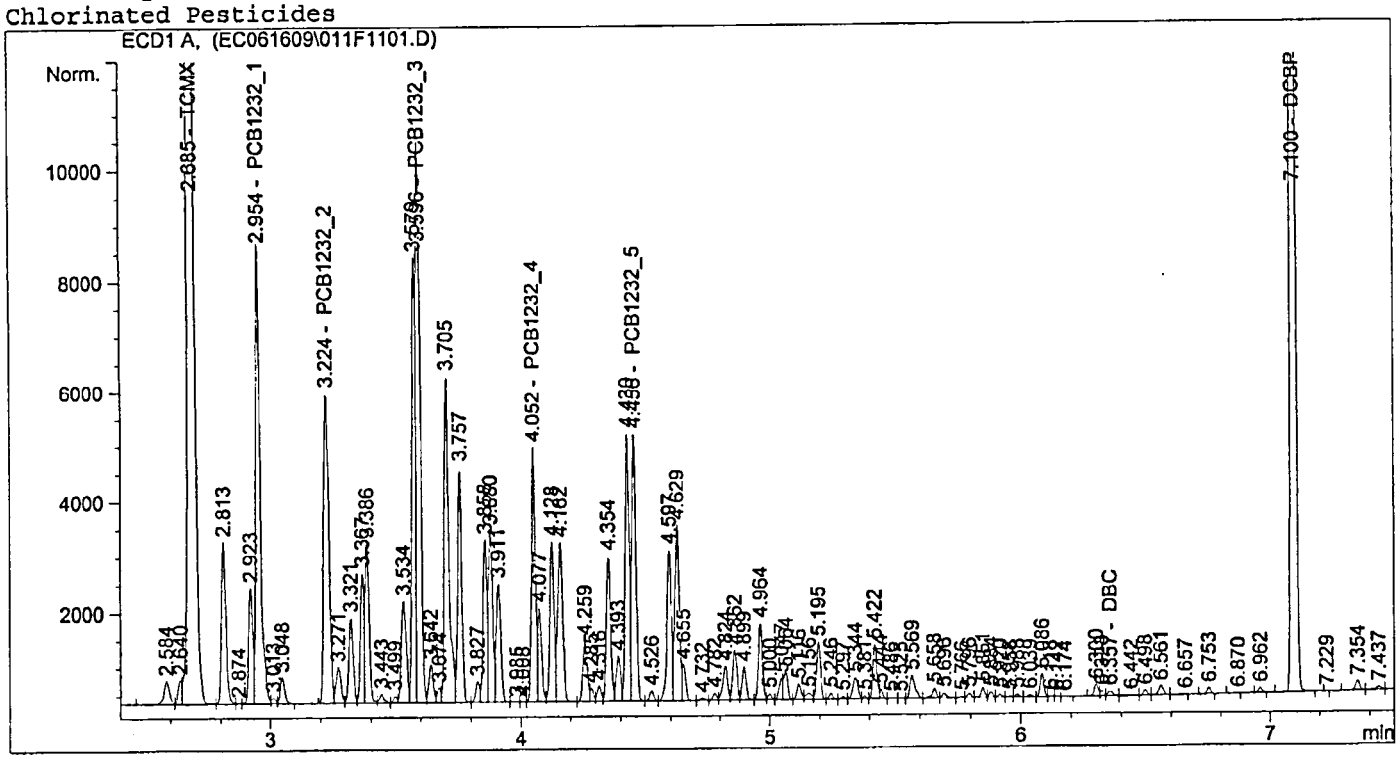
BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

==========

Injection Date : 6/16/2009 4:23:47 PM Seq. Line : 11
Sample Name : A1232 x1000 ICAL Location : Vial 11
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET-1\PCBMET-2\1232F.M
Last changed : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:49:16 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.685	VV	5.85306e4	1.62639e-3	95.19388		TCMX
2.954	VV	1.06422e4	9.22723e-2	981.98283		PCB1232_1
3.224	VV	8107.24463	1.21205e-1	982.63823		PCB1232_2
3.596	VV	1.14238e4	8.29473e-2	947.57043		PCB1232_3
4.052	VV	5312.27930	1.80420e-1	958.44117		PCB1232_4
4.456	VV	5470.34326	1.73471e-1	948.94532		PCB1232_5
6.357	VV	105.82750	8.70158e-1	92.08665		DBC
7.100	BB	4.64543e4	2.01128e-3	93.43272		DCBP

Totals : 5100.29123

BWS
6.17.09

Results obtained with enhanced integrator!

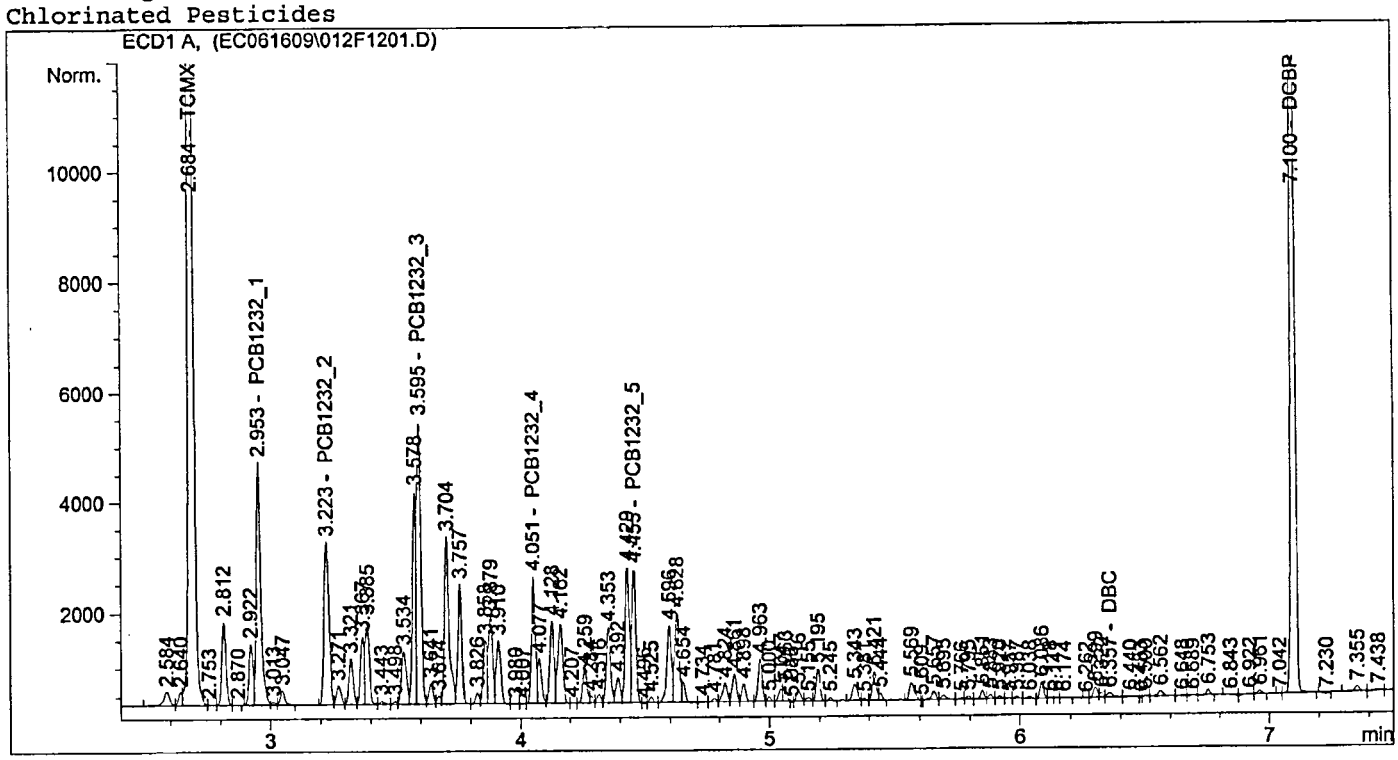
==========

*** End of Report ***

==========

Injection Date : 6/16/2009 4:36:37 PM Seq. Line : 12
Sample Name : A1232 x500 ICAL Location : Vial 12
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:49:16 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2.74659e4	1.72547e-3	47.39165		TCMX
2.953	VV	5459.36719	9.36271e-2	511.14479		PCB1232_1
3.223	VV	4011.20239	1.23487e-1	495.33154		PCB1232_2
3.595	VV	5890.49268	8.56516e-2	504.53041		PCB1232_3
4.051	VV	2581.75781	1.85751e-1	479.56532		PCB1232_4
4.455	VP	2731.88257	1.80105e-1	492.02517		PCB1232_5
6.357	VB	88.85879	6.02957e-1	53.57802		DBC
7.100	PB	2.28398e4	2.12244e-3	48.47617		DCBP

Totals : 2632.04306

BWS
6.17.09

Results obtained with enhanced integrator!

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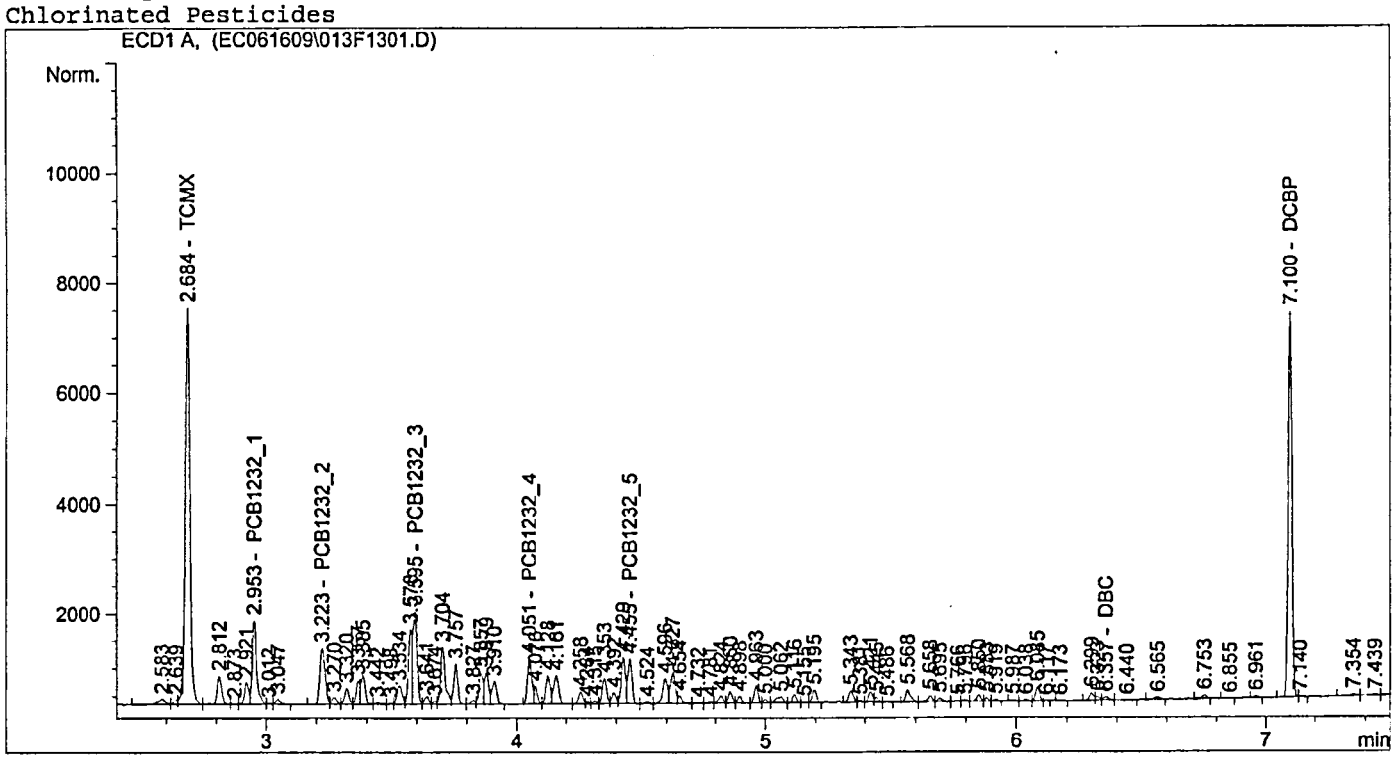
*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 4:49:25 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	9296.84180	2.09031e-3	19.43330		TCMX
2.953	VV	1918.33850	9.87621e-2	189.45923		PCB1232_1
3.223	VV	1475.92578	1.31246e-1	193.70935		PCB1232_2
3.595	VV	1920.76770	9.71906e-2	186.68064		PCB1232_3
4.051	PV	955.56946	2.03404e-1	194.36619		PCB1232_4
4.455	VV	916.82739	2.06340e-1	189.17791		PCB1232_5
6.357	VV	74.82659	2.90451e-1	21.73349		DBC
7.100	VV	7333.77930	2.58480e-3	18.95637		DCBP

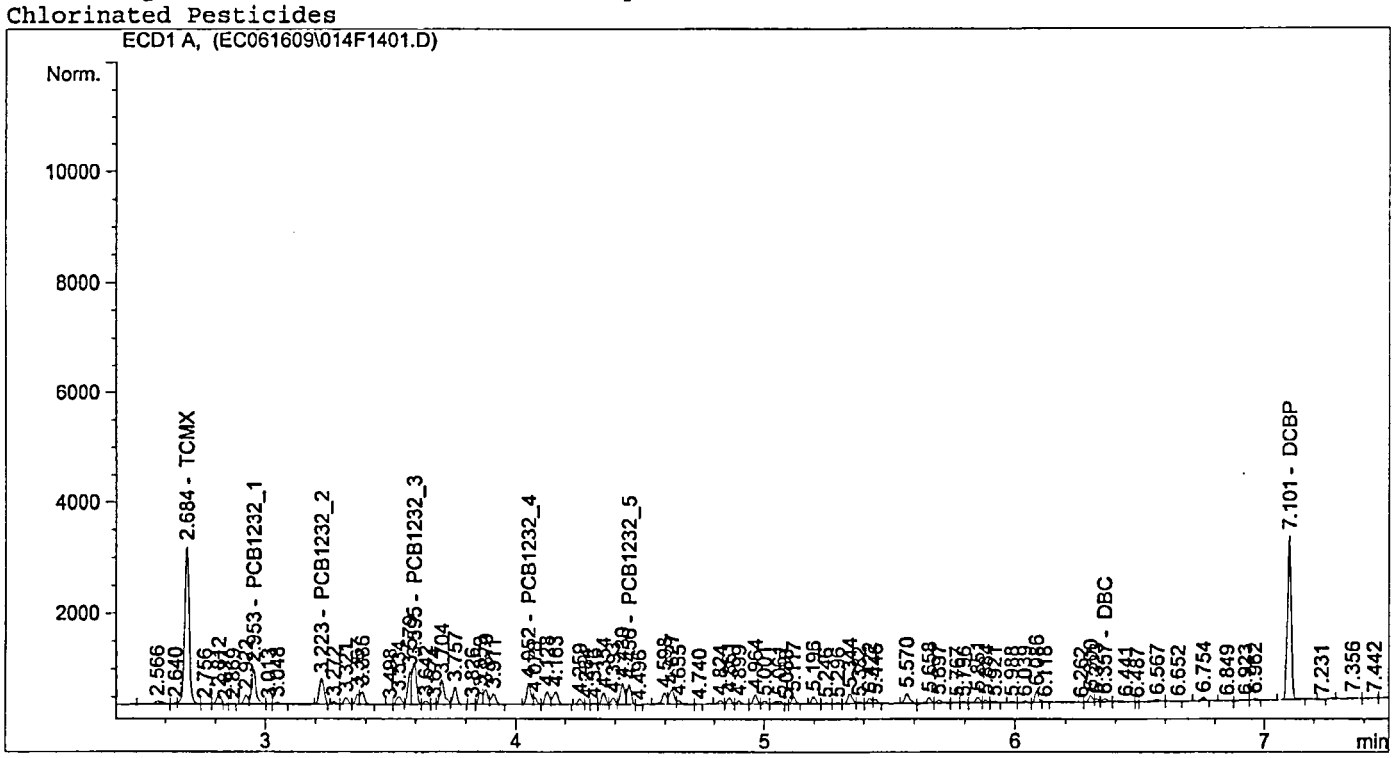
BWS
6.17.09

Totals : 1013.51648

Results obtained with enhanced integrator!

==
*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 5:02:18 PM          Seq. Line :  14
Sample Name     : A1232 x100 ICAL                Location : Vial 14
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

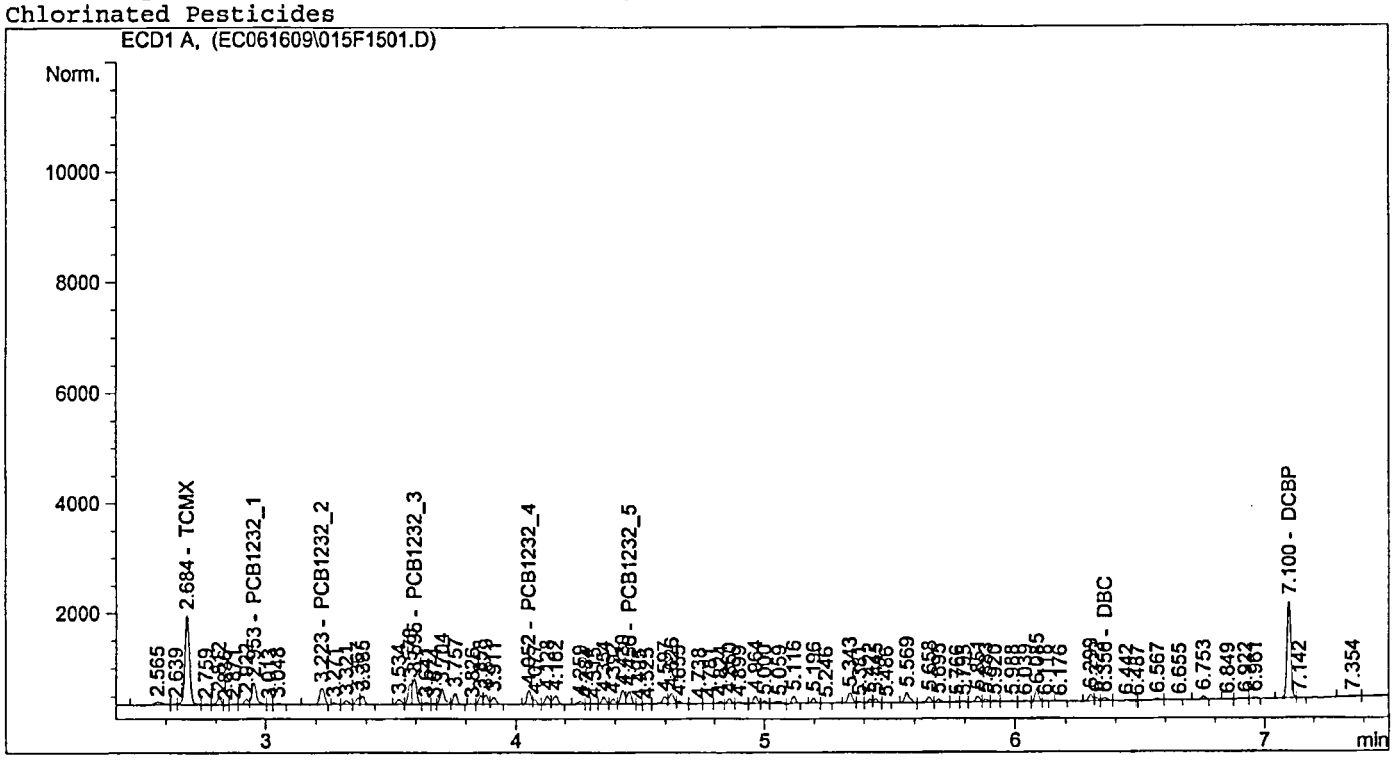
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	3586.46118	2.96844e-3	10.64621		TCMX
2.953	VV	822.08234	1.09319e-1	89.86959		PCB1232_1
3.223	BP	627.54523	1.47842e-1	92.77740		PCB1232_2
3.595	VV	845.77960	1.18953e-1	100.60800		PCB1232_3
4.052	PV	440.46237	2.36177e-1	104.02727		PCB1232_4
4.456	VP	406.56943	2.55897e-1	104.03988		PCB1232_5
6.357	VV	70.51414	1.69425e-1	11.94687		DBC
7.101	PB	3122.70605	3.50320e-3	10.93948		DCBP

Totals : 524.85470

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 5:15:07 PM          Seq. Line :  15
Sample Name     : A1232 x40 ICAL                 Location : Vial 15
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1232F.M
Last changed    : 6/17/2009 10:49:16 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 10:49:16 AM
Multiplier            :      1.0000
Dilution              :      1.0000

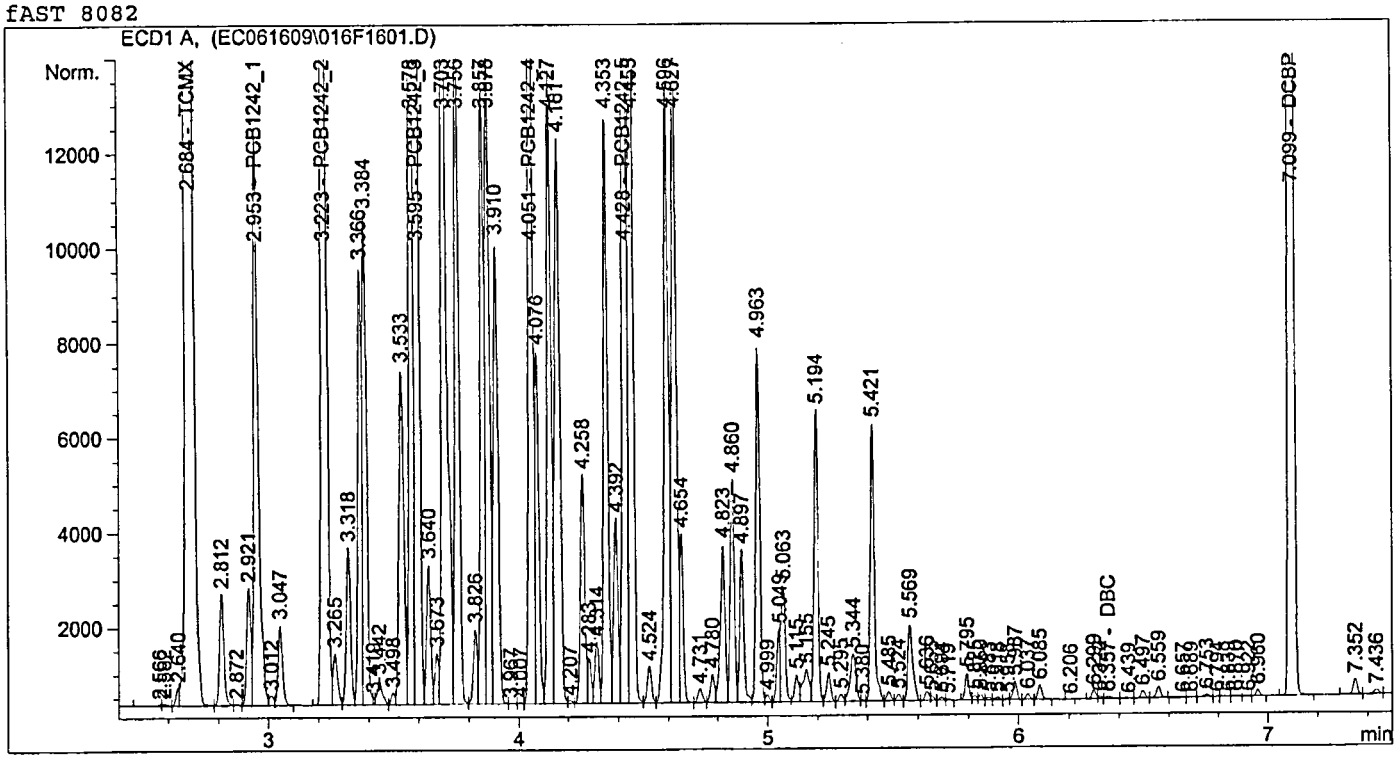
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	2089.24365	3.99298e-3	8.34230		TCMX
2.953	VV	495.08936	1.21521e-1	60.16384		PCB1232_1
3.223	BP	395.82391	1.64744e-1	65.20948		PCB1232_2
3.595	VV	525.02045	1.42709e-1	74.92531		PCB1232_3
4.052	PV	292.69611	2.66871e-1	78.11219		PCB1232_4
4.456	VP	251.54694	3.10773e-1	78.17393		PCB1232_5
6.356	VV	66.05173	2.75526e-2	1.81990		DBC
7.100	VV	1875.22559	4.56722e-3	8.56457		DCBP
Totals :				375.31152		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  16
Sample Name     : A1242 x2000 ICAL               Location : Vial 16
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:55:31 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD1 A,

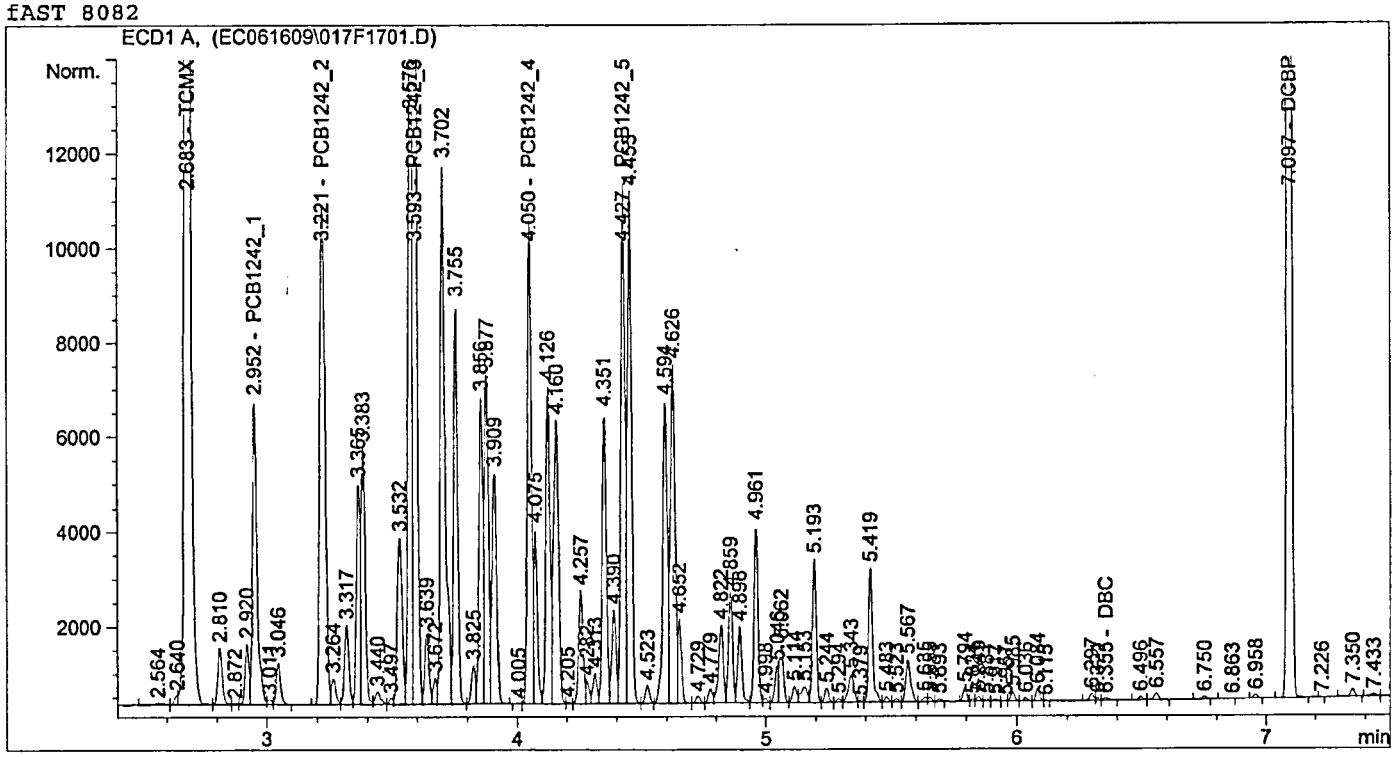
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.684	VV	1.24533e5	1.61574e-3	201.21328		TCMX
2.953	VV	1.58930e4	1.25320e-1	1991.70688		PCB1242_1
3.223	PV	2.95357e4	6.73104e-2	1988.06254		PCB1242_2
3.595	VV	4.49982e4	4.43743e-2	1996.76595		PCB1242_3
4.051	VV	2.33747e4	8.57256e-2	2003.81239		PCB1242_4
4.428	VV	2.53352e4	7.92151e-2	2006.93062		PCB1242_5
6.357	VV	46.07360	0.00000	0.00000		DBC
7.099	BV	1.01493e5	1.98905e-3	201.87401		DCBP
Totals :				1.03904e4		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  17
Sample Name     : A1242 x1000 ICAL               Location : Vial 17
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.683	VV	6.12233e4	1.64980e-3	101.00598		TCMX
2.952	VV	8266.91797	1.25530e-1	1037.74860		PCB1242_1
3.221	PV	1.55127e4	6.74188e-2	1045.84986		PCB1242_2
3.593	VV	2.27097e4	4.47441e-2	1016.12539		PCB1242_3
4.050	VV	1.17902e4	8.67780e-2	1023.13035		PCB1242_4
4.427	VV	1.25010e4	8.02404e-2	1003.08927		PCB1242_5
6.355	VB	69.59908	0.00000	0.00000		DBC
7.097	VB	4.86358e4	2.03100e-3	98.77927		DCBP

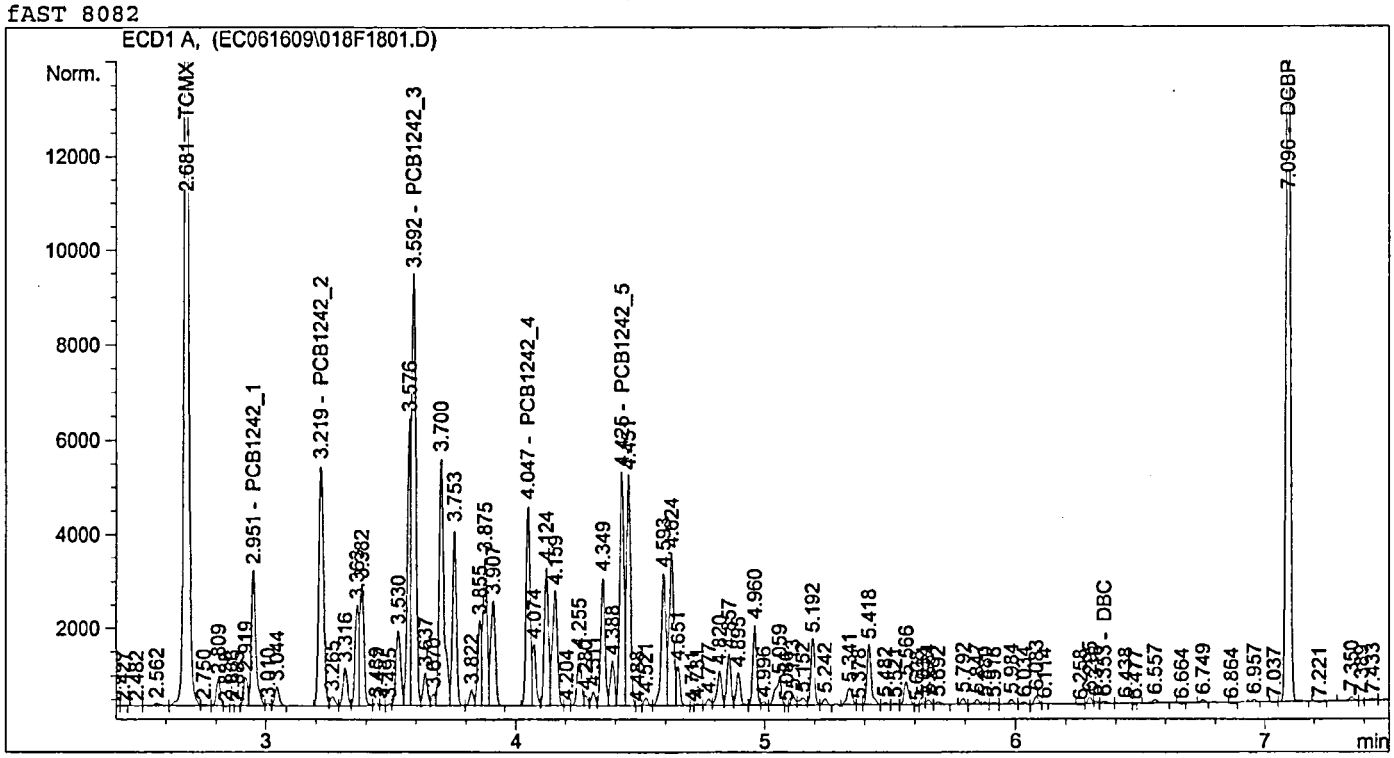
Totals : 5325.72872

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 5:53:51 PM          Seq. Line :  18
Sample Name     : A1242 x500 ICAL                Location : Vial 18
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	2.43234e4	1.75143e-3	42.60065		TCMX
2.951	VV	3628.71558	1.26091e-1	457.54749		PCB1242_1
3.219	PV	6743.10840	6.77157e-2	456.61398		PCB1242_2
3.592	VV	1.06319e4	4.55920e-2	484.72847		PCB1242_3
4.047	PV	4836.10059	8.98314e-2	434.43365		PCB1242_4
4.425	VV	5635.85596	8.27059e-2	466.11862		PCB1242_5
6.353	VV	69.22704	0.00000	0.00000		DBC
7.096	PB	2.08276e4	2.13856e-3	44.54098		DCBP

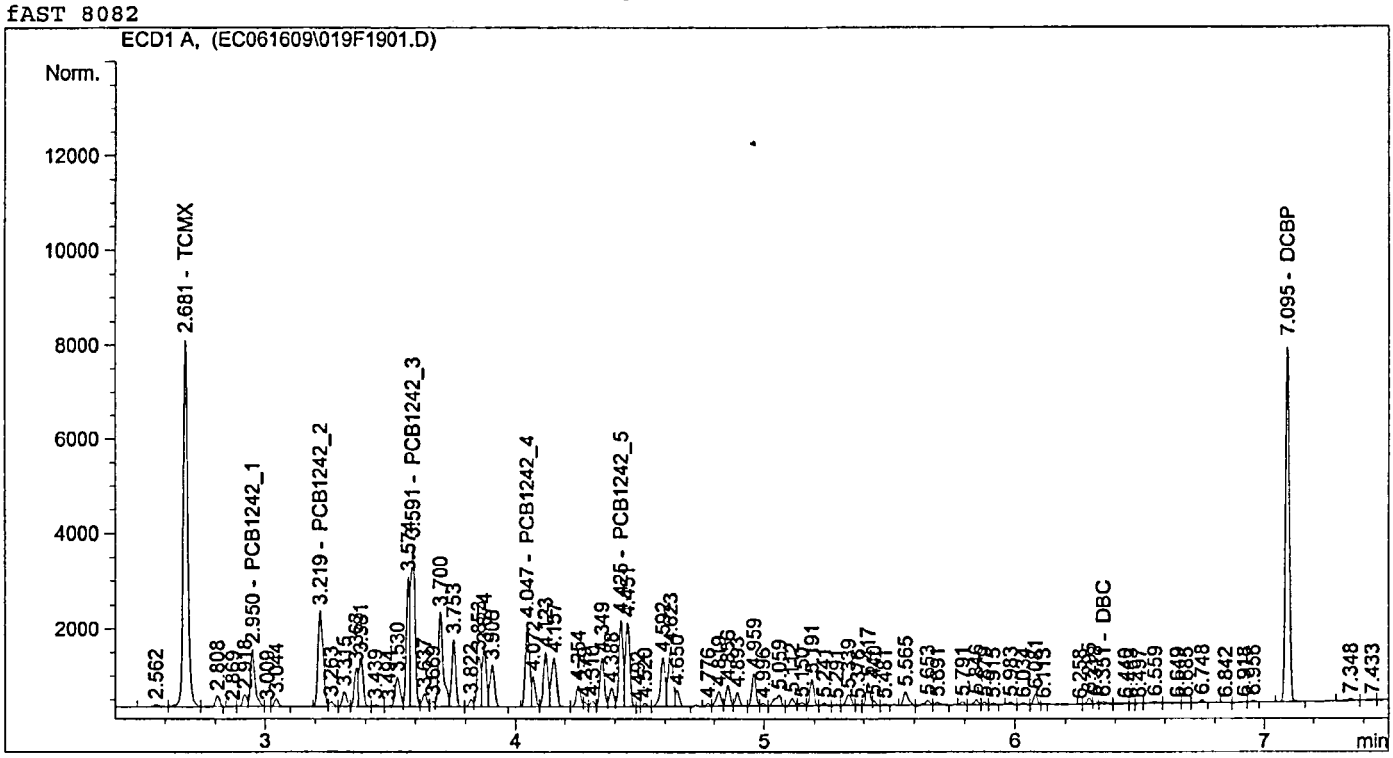
Totals : 2386.58383

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:06:49 PM          Seq. Line :  19
Sample Name     : A1242 x200 ICAL                Location : Vial 19
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.681	VV	9864.52441	1.99859e-3	19.71514		TCMX
2.950	VV	1538.38574	1.27448e-1	196.06436		PCB1242_1
3.219	BV	2850.61401	6.84328e-2	195.07536		PCB1242_2
3.591	VV	3870.94604	4.83767e-2	187.26378		PCB1242_3
4.047	PV	2049.92676	9.68676e-2	198.57148		PCB1242_4
4.425	VV	2122.51245	9.01373e-2	191.31744		PCB1242_5
6.351	VV	44.81857	0.00000	0.00000		DBC
7.095	PB	7972.79297	2.44186e-3	19.46847		DCBP

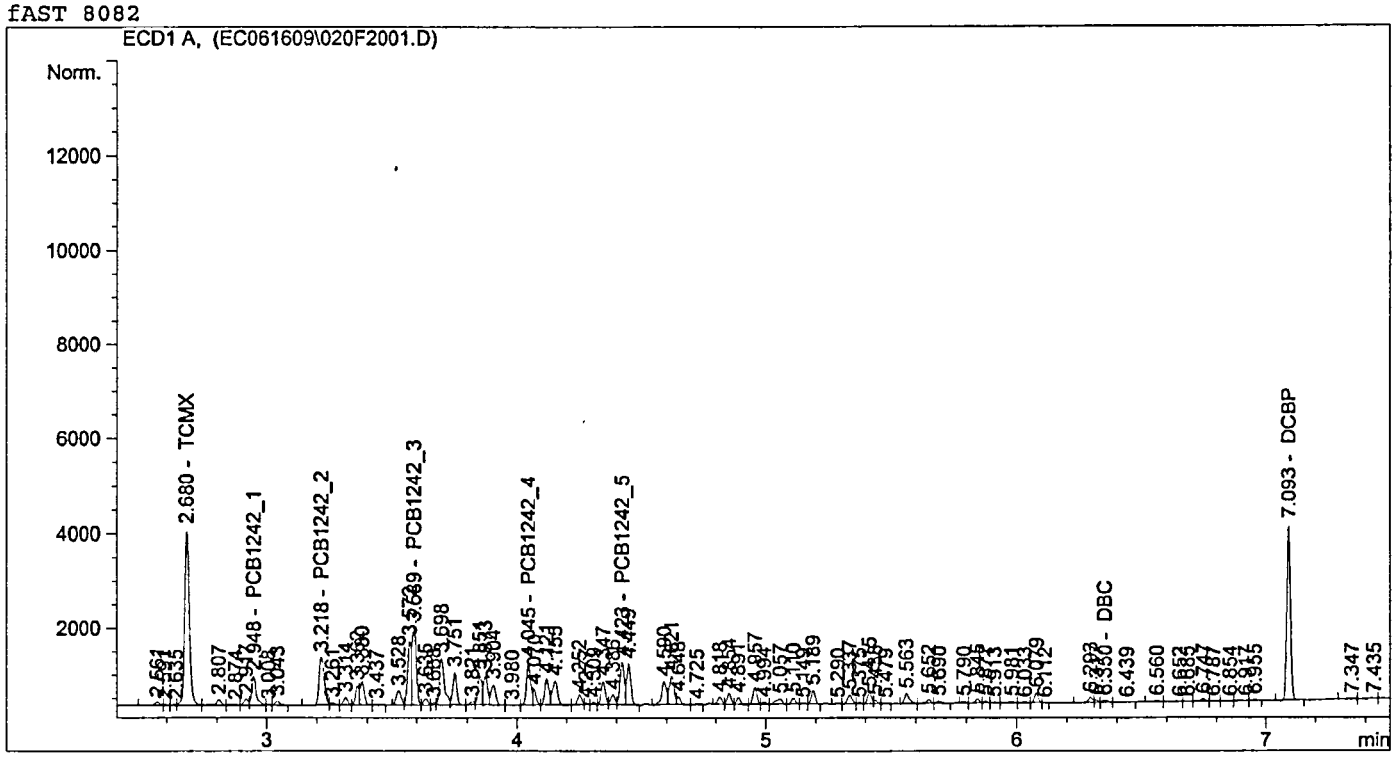
Totals : 1007.47603

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

```
==================================================================
Injection Date  : 6/16/2009 6:19:35 PM          Seq. Line :  20
Sample Name     : A1242 x100 ICAL                Location : Vial 20
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:55:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	4837.55371	2.43066e-3	11.75844		TCMX
2.948	VV	793.58032	1.29660e-1	102.89531		PCB1242_1
3.218	BV	1467.12085	6.96042e-2	102.11777		PCB1242_2
3.589	VV	1857.66870	5.31227e-2	98.68435		PCB1242_3
4.045	VV	1025.63940	1.09065e-1	111.86094		PCB1242_4
4.423	VV	1045.56165	1.02416e-1	107.08219		PCB1242_5
6.350	VV	56.60671	0.00000	0.00000		DBC
7.093	VB	3930.30664	2.94731e-3	11.58384		DCBP

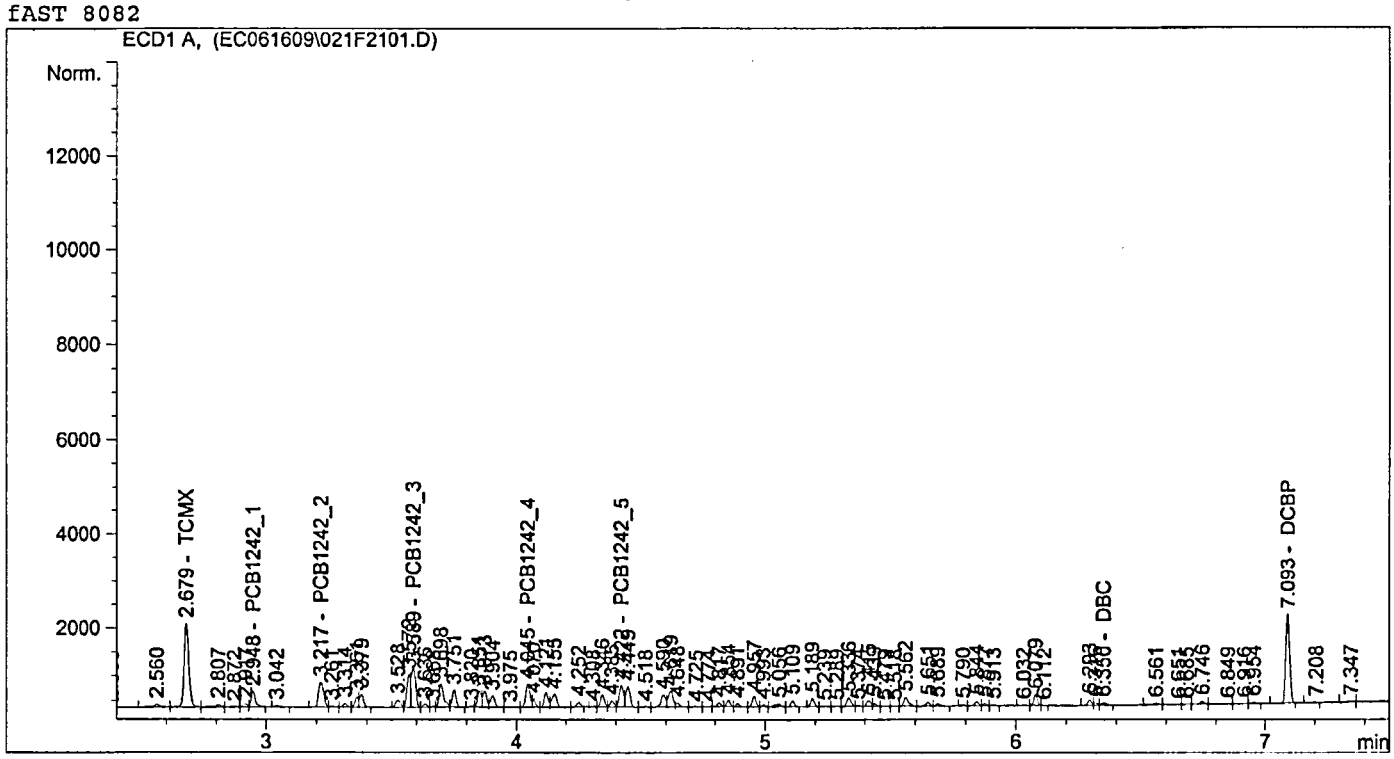
BWS
6.17.09

Totals : 545.98284

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:32:31 PM          Seq. Line :  21
Sample Name     : A1242 x40 ICAL                 Location : Vial 21
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1242F.M
Last changed    : 6/17/2009 10:55:31 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:55:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2277.57568	3.38364e-3	7.70651		TCMX
2.948	VV	403.00357	1.34087e-1	54.03736		PCB1242_1
3.217	VV	725.38965	7.20723e-2	52.28049		PCB1242_2
3.589	VV	897.33759	6.28883e-2	56.43206		PCB1242_3
4.045	VV	509.78085	1.33766e-1	68.19119		PCB1242_4
4.422	VV	513.44421	1.27496e-1	65.46186		PCB1242_5
6.350	VV	56.95115	0.00000	0.00000		DBC
7.093	BV	1966.44092	3.94288e-3	7.75343		DCBP
Totals :				311.86290		

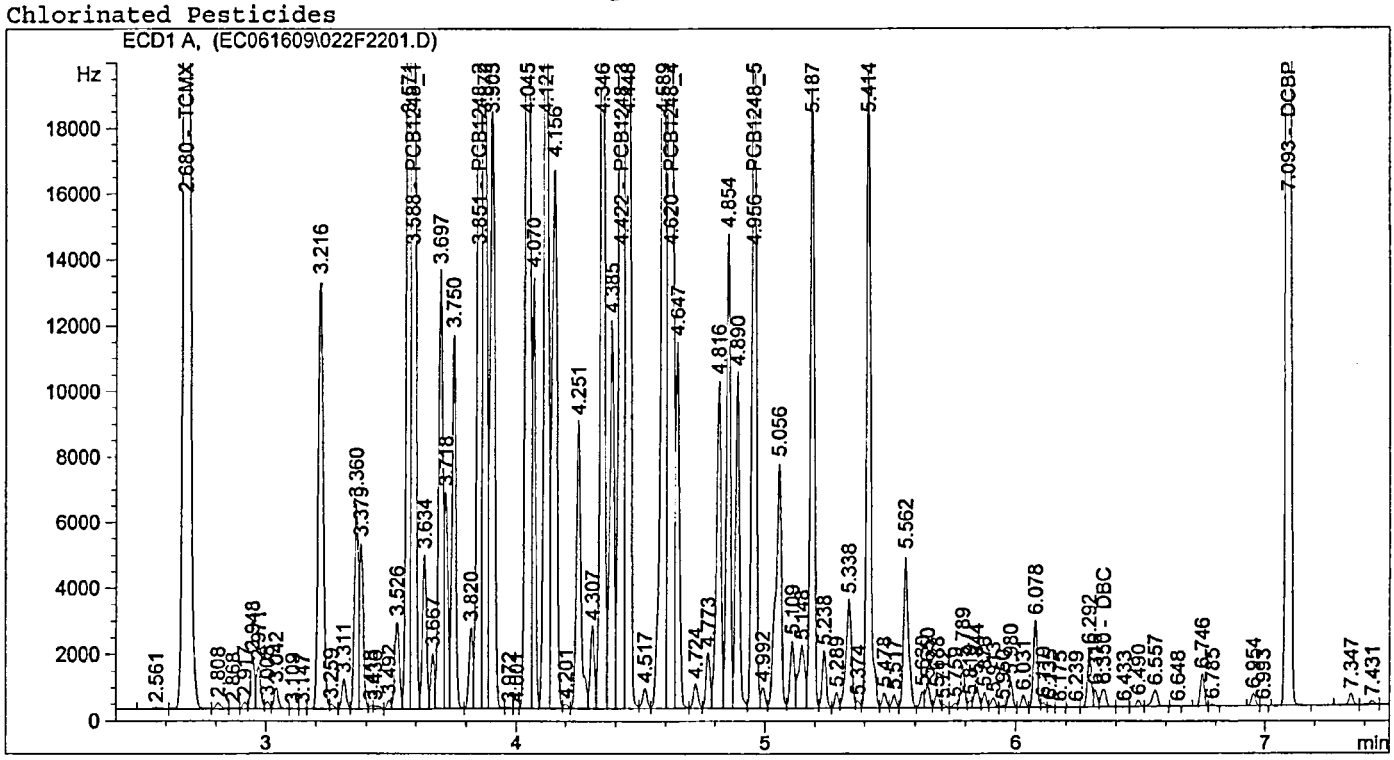
BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 6:45:23 PM          Seq. Line :  22
Sample Name     : A1248 x2000 ICAL               Location : Vial 22
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

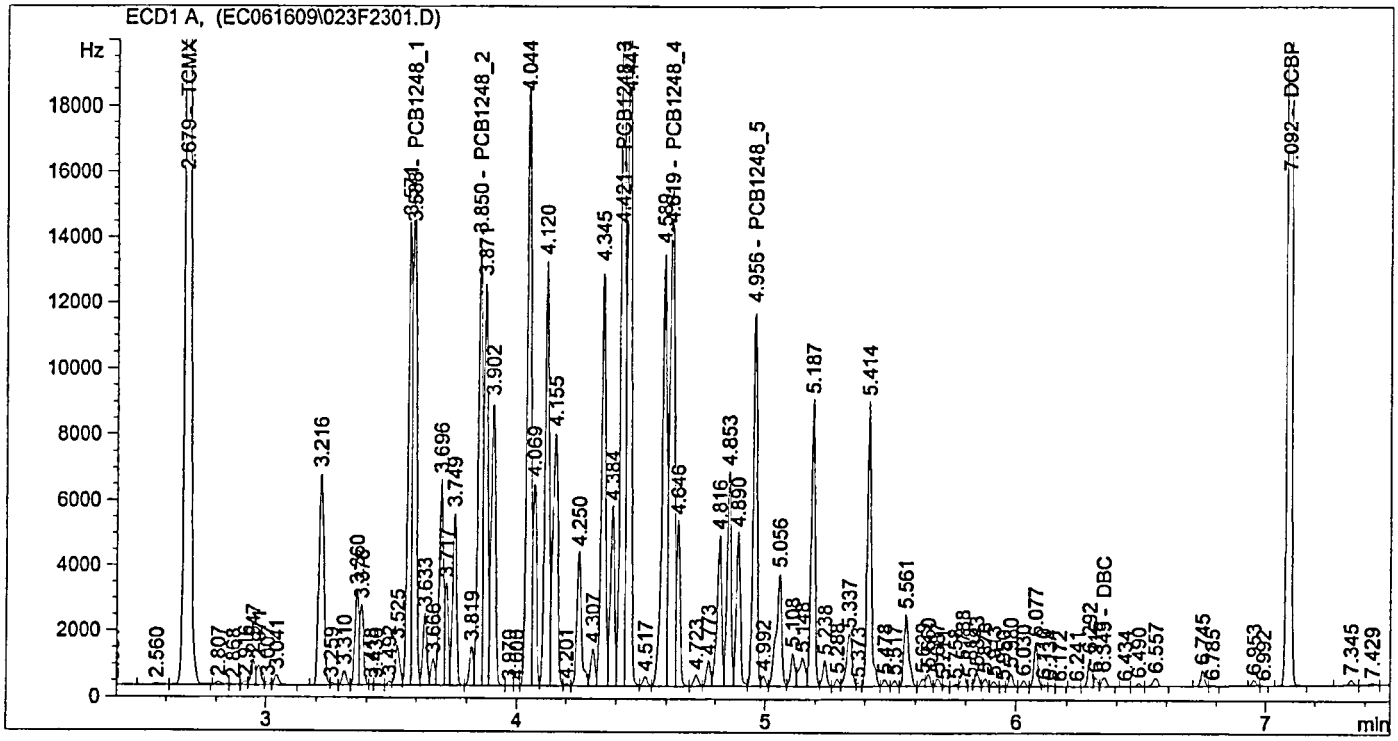
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	1.29592e5	1.56648e-3	203.00286		TCMX
3.588	VV	3.66658e4	5.51413e-2	2021.79814		PCB1248_1
3.851	VV	3.11485e4	6.45359e-2	2010.19920		PCB1248_2
4.422	VV	5.81616e4	3.48179e-2	2025.06568		PCB1248_3
4.620	VV	4.46546e4	4.53601e-2	2025.53551		PCB1248_4
4.956	VV	2.71306e4	7.47898e-2	2029.09034		PCB1248_5
6.350	VV	766.40961	2.61907e-1	200.72788		DBC
7.093	BV	1.04567e5	1.94984e-3	203.88982		DCBP
Totals :				1.07193e4		

BWS
6/17/09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 6:58:15 PM          Seq. Line :  23
Sample Name     : A1248 x1000 ICAL               Location : Vial 23
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	5.91737e4	1.61856e-3	95.77608		TCMX
3.588	VV	1.72012e4	5.64207e-2	970.50645		PCB1248_1
3.850	VV	1.50825e4	6.60115e-2	995.61554		PCB1248_2
4.421	VV	2.69915e4	3.57349e-2	964.53920		PCB1248_3
4.619	VV	2.07182e4	4.65335e-2	964.09235		PCB1248_4
4.956	VV	1.24627e4	7.68971e-2	958.34194		PCB1248_5
6.349	VB	400.58411	2.49832e-1	100.07870		DBC
7.092	VB	4.66681e4	2.01809e-3	94.18048		DCBP

Totals : 5143.13073

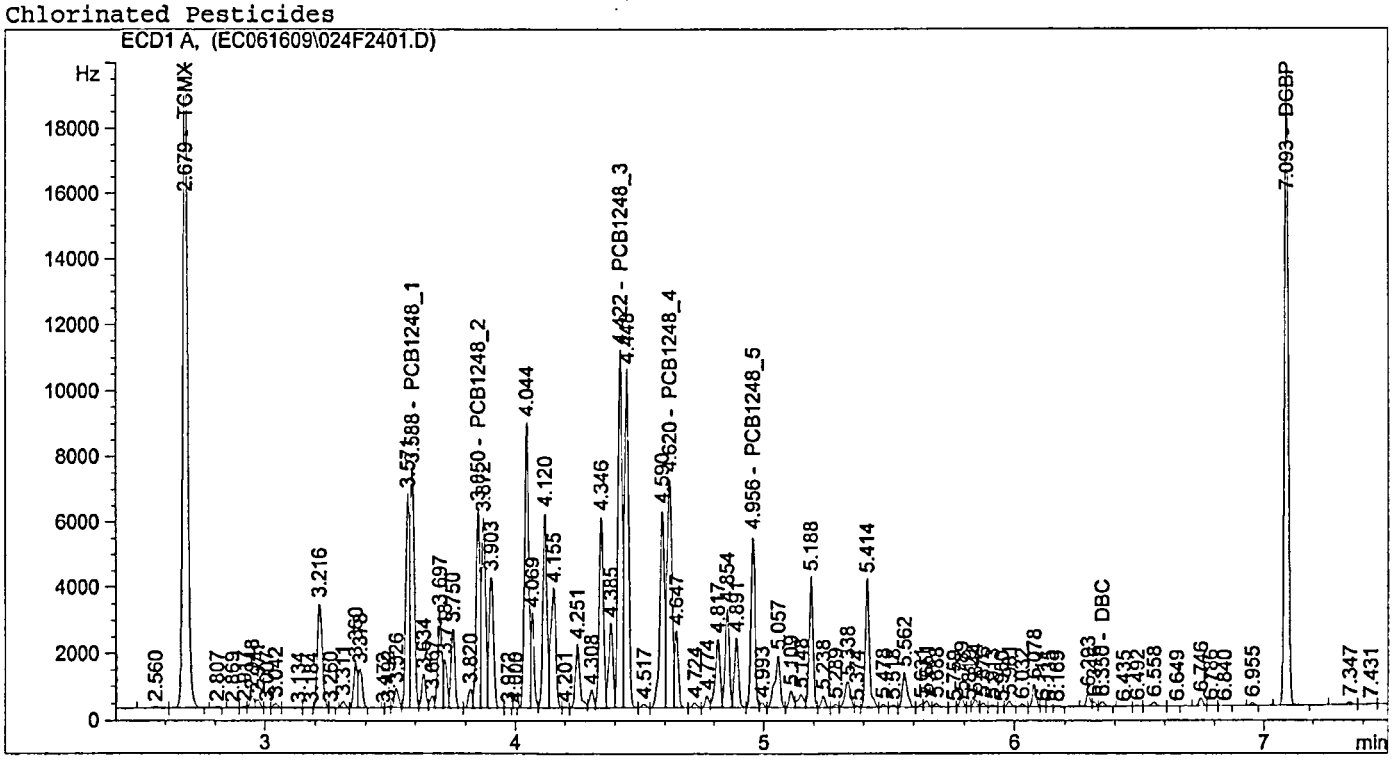
BWS
6/17/09

Results obtained with enhanced integrator!

==

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 7:11:15 PM          Seq. Line :  24
Sample Name     : A1248 x500 ICAL                Location : Vial 24
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	2.65143e4	1.73661e-3	46.04496		TCMX
3.588	VV	7947.63037	5.92269e-2	470.71361		PCB1248_1
3.850	VV	6716.69434	6.95747e-2	467.31201		PCB1248_2
4.422	VV	1.24080e4	3.77458e-2	468.34971		PCB1248_3
4.620	VV	9514.63184	4.91111e-2	467.27423		PCB1248_4
4.956	VV	5683.82764	8.15457e-2	463.49196		PCB1248_5
6.350	VB	209.95770	2.26864e-1	47.63186		DBC
7.093	VB	2.09592e4	2.16929e-3	45.46662		DCBP

Totals : 2476.28497

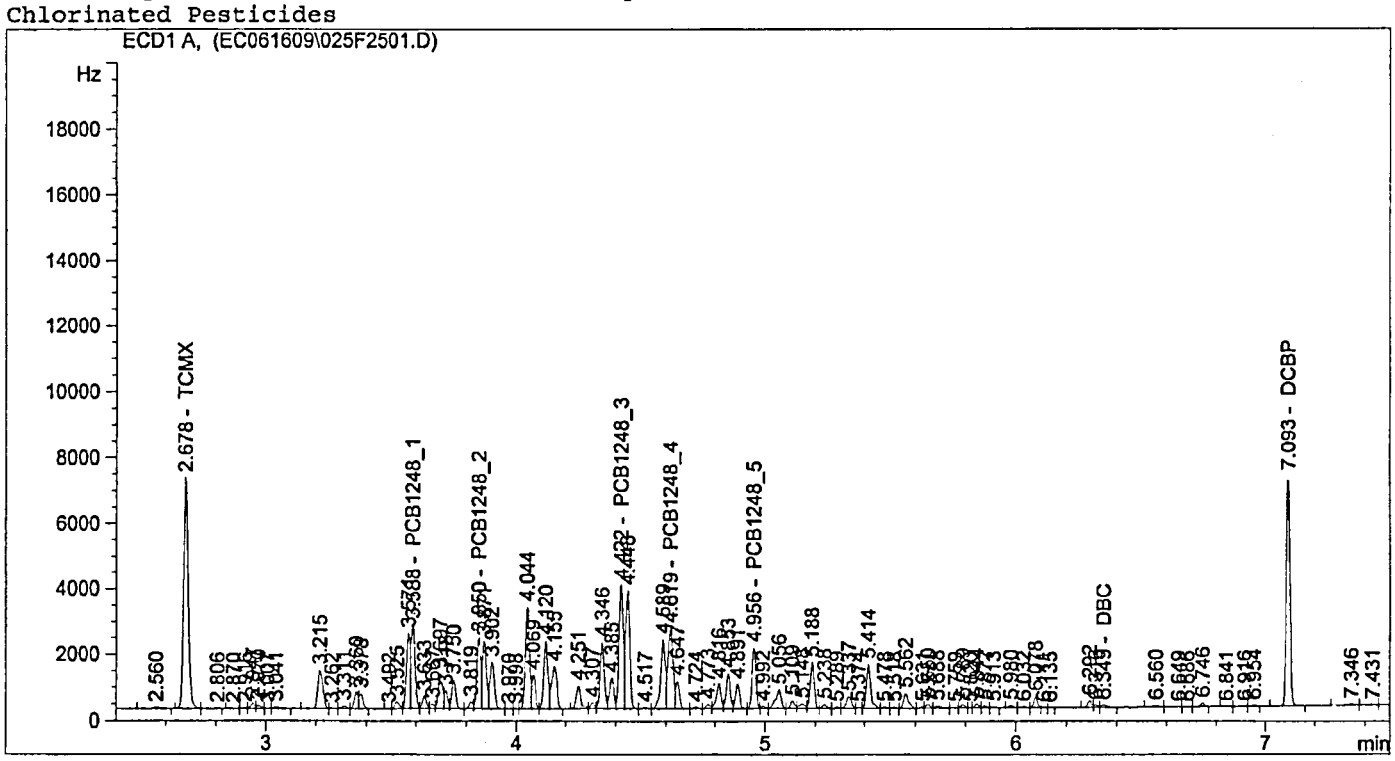
BWS
6.17.09

Results obtained with enhanced integrator!

==

*** End of Report ***

```
==================================================================
Injection Date  : 6/16/2009 7:24:05 PM          Seq. Line :  25
Sample Name     : A1248 x200 ICAL                Location : Vial 25
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

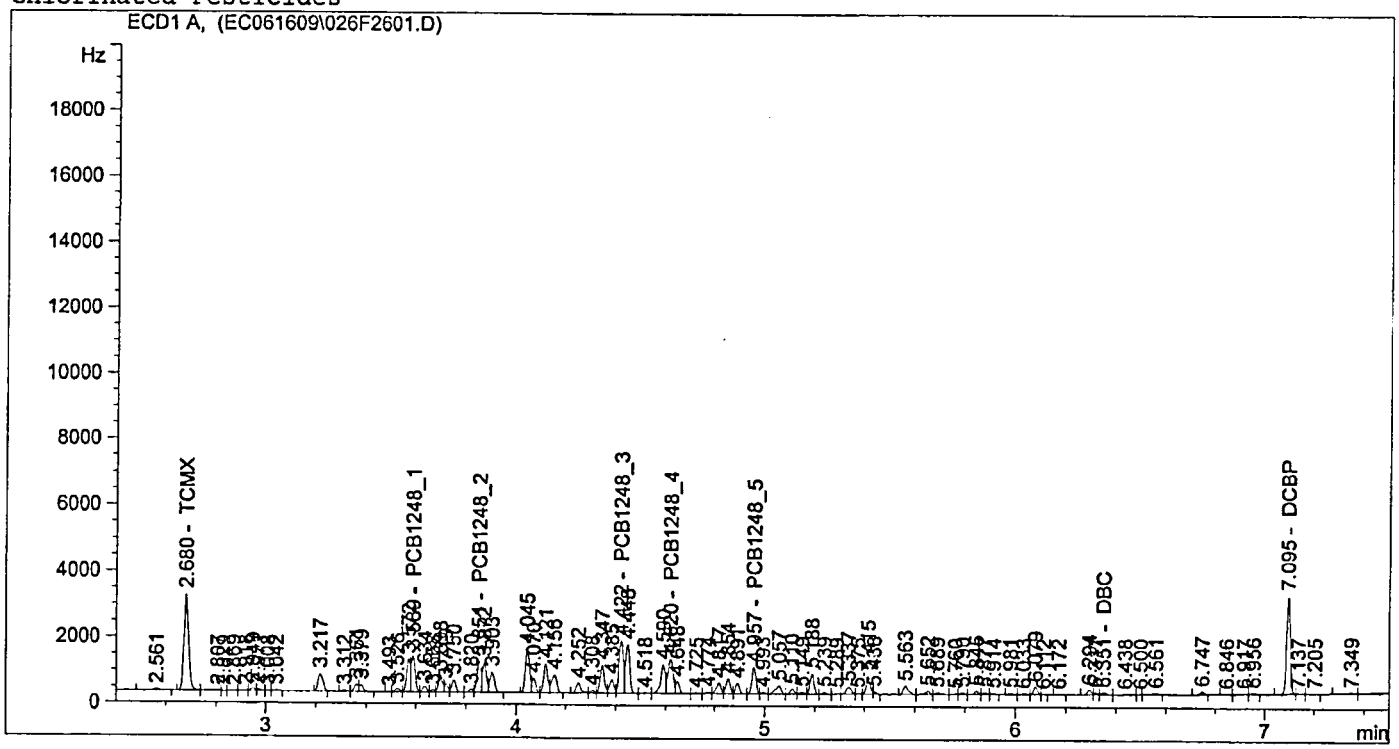
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	9037.30078	2.15025e-3	19.43242		TCMX
3.588	VV	2780.86670	6.89187e-2	191.65365		PCB1248_1
3.850	VV	2357.02759	8.14568e-2	191.99596		PCB1248_2
4.422	VV	4327.10547	4.46966e-2	193.40674		PCB1248_3
4.619	VV	3333.63086	5.79492e-2	193.18114		PCB1248_4
4.956	VV	1994.11768	9.73592e-2	194.14578		PCB1248_5
6.349	VB	100.45596	1.74253e-1	17.50476		DBC
7.093	BB	7328.20898	2.67982e-3	19.63826		DCBP

Totals : 1020.95871

BWS
6-17-09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:37:02 PM          Seq. Line :  26
Sample Name     : A1248 x100 ICAL                Location : Vial 26
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier            :      1.0000
Dilution              :      1.0000

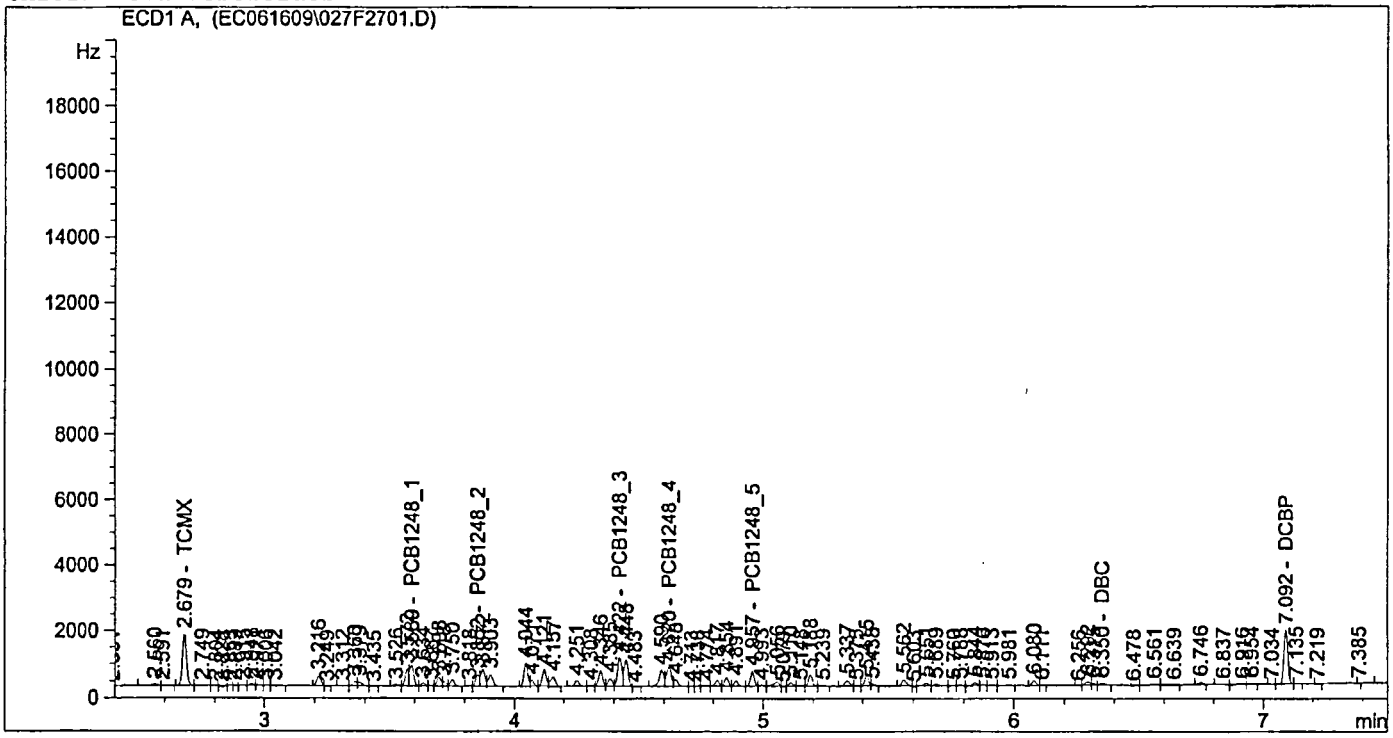
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	BV	3712.91650	3.05013e-3	11.32487		TCMX
3.589	VV	1206.29956	8.83780e-2	106.61035		PCB1248_1
3.851	VV	1041.66187	1.04573e-1	108.92969		PCB1248_2
4.422	VV	1840.27234	5.91190e-2	108.79501		PCB1248_3
4.620	VV	1445.28992	7.57244e-2	109.44370		PCB1248_4
4.957	VV	865.40601	1.29131e-1	111.75064		PCB1248_5
6.351	VV	72.35494	1.35075e-1	9.77336		DBC
7.095	VV	3173.20874	3.70768e-3	11.76526		DCBP
Totals :				578.39286		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 7:49:47 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 6/17/2009 11:03:28 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:02:53 AM
Multiplier             :      1.0000
Dilution               :      1.0000

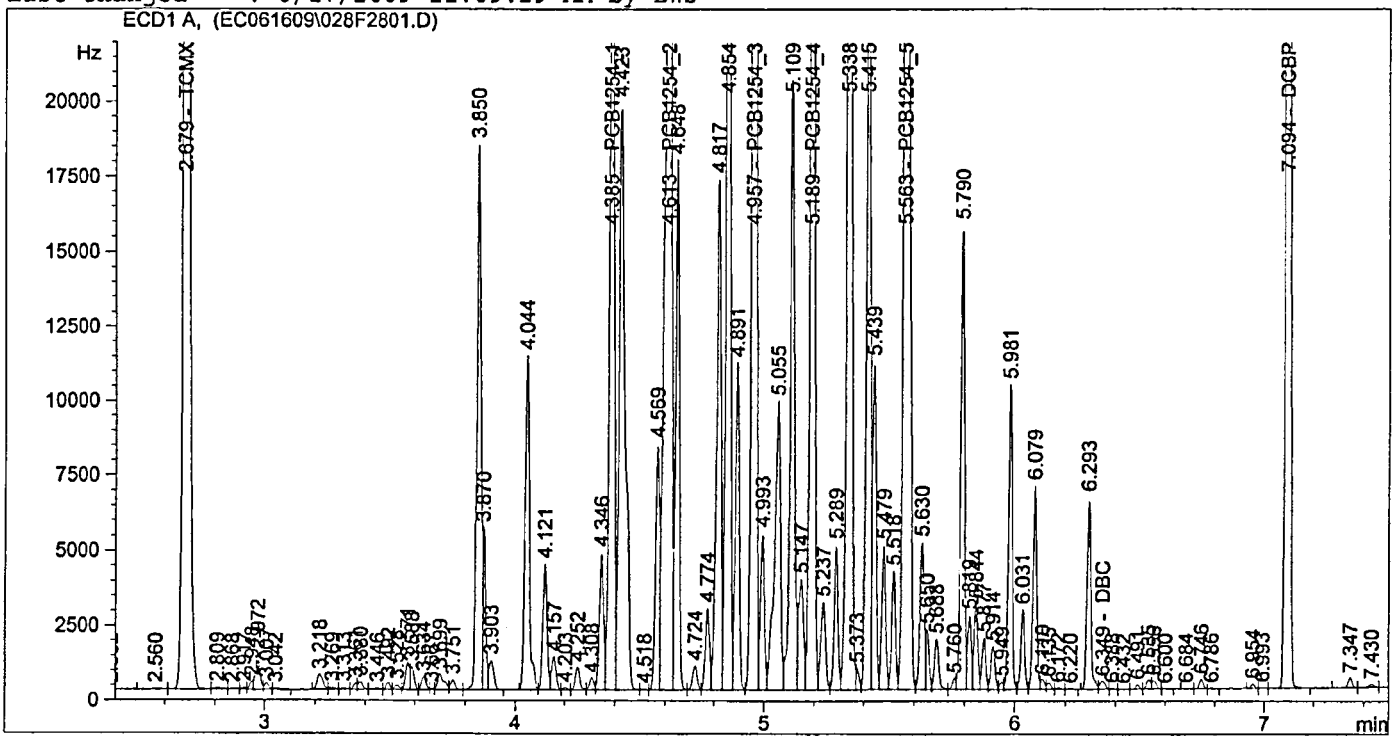
Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	BV	1804.44470	4.66559e-3	8.41880		TCMX
3.589	VV	689.87244	1.14105e-1	78.71781		PCB1248_1
3.852	VV	361.03488	1.82663e-1	65.94761		PCB1248_2
4.422	VV	989.36005	8.07023e-2	79.84367		PCB1248_3
4.620	VV	791.98114	1.01610e-1	80.47308		PCB1248_4
4.957	VV	474.01437	1.75479e-1	83.17933		PCB1248_5
6.350	VV	66.93967	1.23745e-1	8.28346		DBC
7.092	PV	1745.26758	5.19093e-3	9.05955		DCBP
Totals :				413.92331		

BWS
6-17-09

```
 Results obtained with enhanced integrator!
==================================================================
                        *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 8:02:36 PM          Seq. Line :  28
Sample Name     : A1254 x2000 ICAL               Location : Vial 28
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

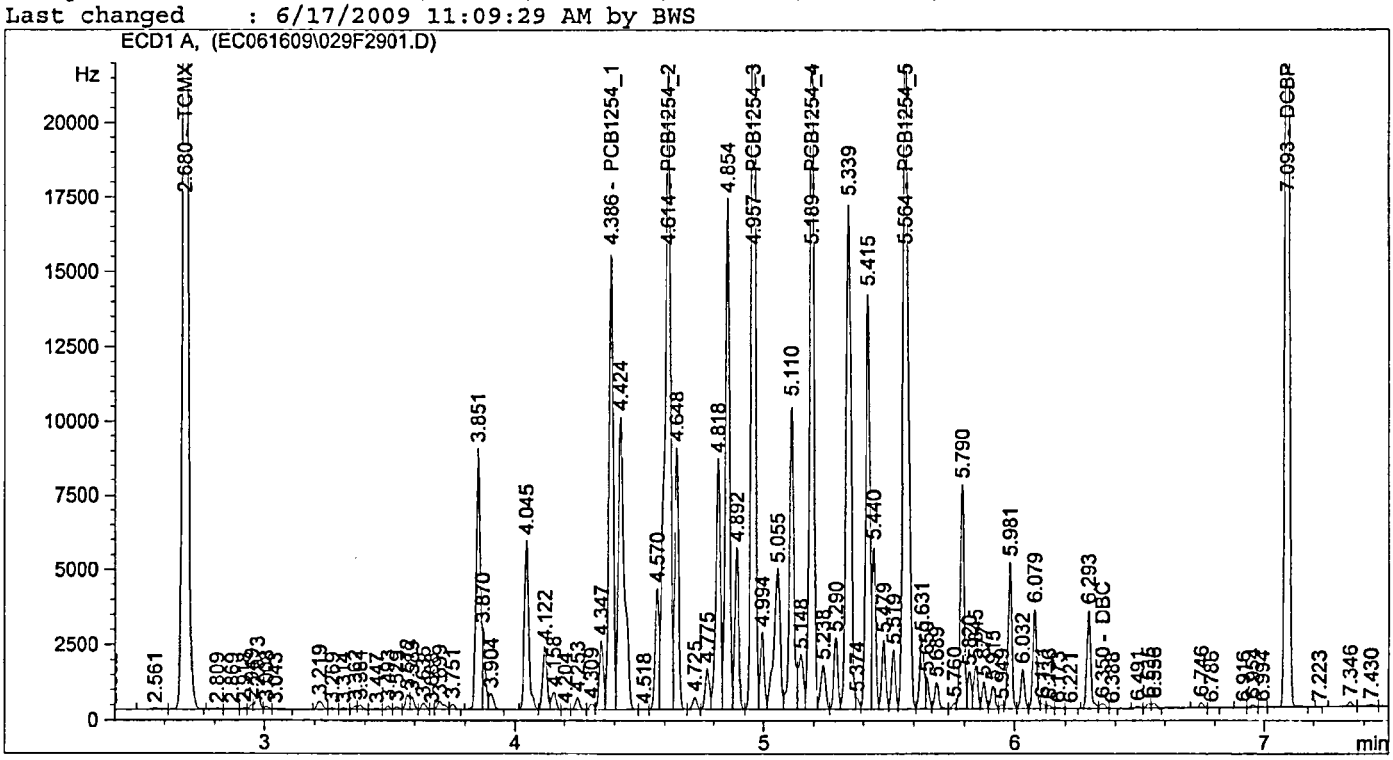
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.22053e5	1.64476e-3	200.74826		TCMX
4.385	VV	3.54882e4	5.61857e-2	1993.92745		PCB1254_1
4.613	VV	6.50329e4	3.06972e-2	1996.32766		PCB1254_2
4.957	VV	6.96113e4	2.87116e-2	1998.65055		PCB1254_3
5.189	VV	5.35099e4	3.74030e-2	2001.43030		PCB1254_4
5.563	VV	7.03196e4	2.84810e-2	2002.77366		PCB1254_5
6.349	VV	399.02768	9.50029e-1	379.08784		DBC
7.094	VB	9.78117e4	2.05768e-3	201.26552		DCBP

Totals : 1.07742e4

BWS
6.17.09

```
 Results obtained with enhanced integrator!
==================================================================
                      *** End of Report ***
```

```
==================================================================
Injection Date  : 6/16/2009 8:15:36 PM          Seq. Line :  29
Sample Name     : A1254 x1000 ICAL               Location : Vial 29
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VB	5.90748e4	1.67583e-3	98.99900		TCMX
4.386	VV	1.79271e4	5.65267e-2	1013.35817		PCB1254_1
4.614	VV	3.26436e4	3.09336e-2	1009.78517		PCB1254_2
4.957	VV	3.46685e4	2.90225e-2	1006.16530		PCB1254_3
5.189	VV	2.64542e4	3.78543e-2	1001.40418		PCB1254_4
5.564	VV	3.46506e4	2.88480e-2	999.60283		PCB1254_5
6.350	VV	239.65477	0.00000	0.00000		DBC
7.093	VB	4.69330e4	2.09460e-3	98.30605		DCBP

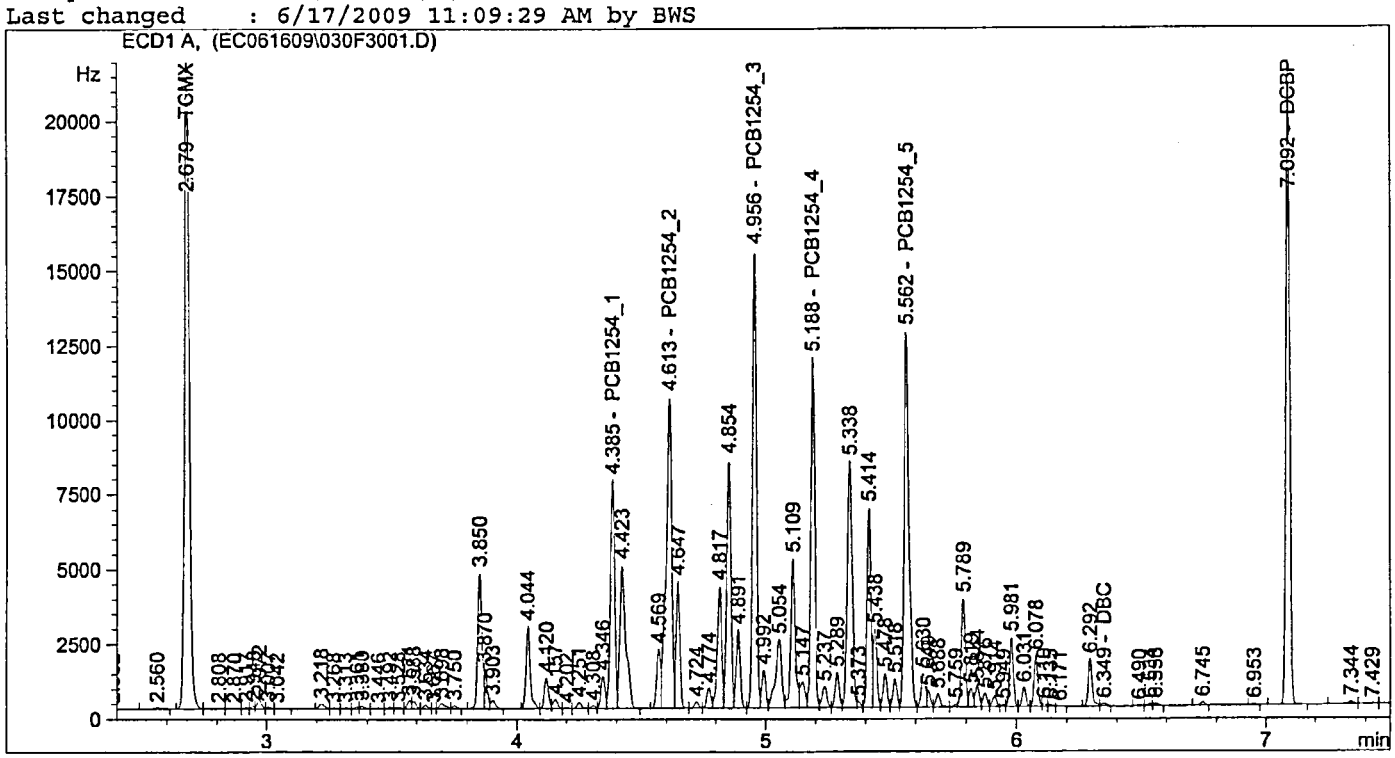
Totals : 5227.62071

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:28:31 PM          Seq. Line :  30
Sample Name     : A1254 x500 ICAL                Location : Vial 30
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

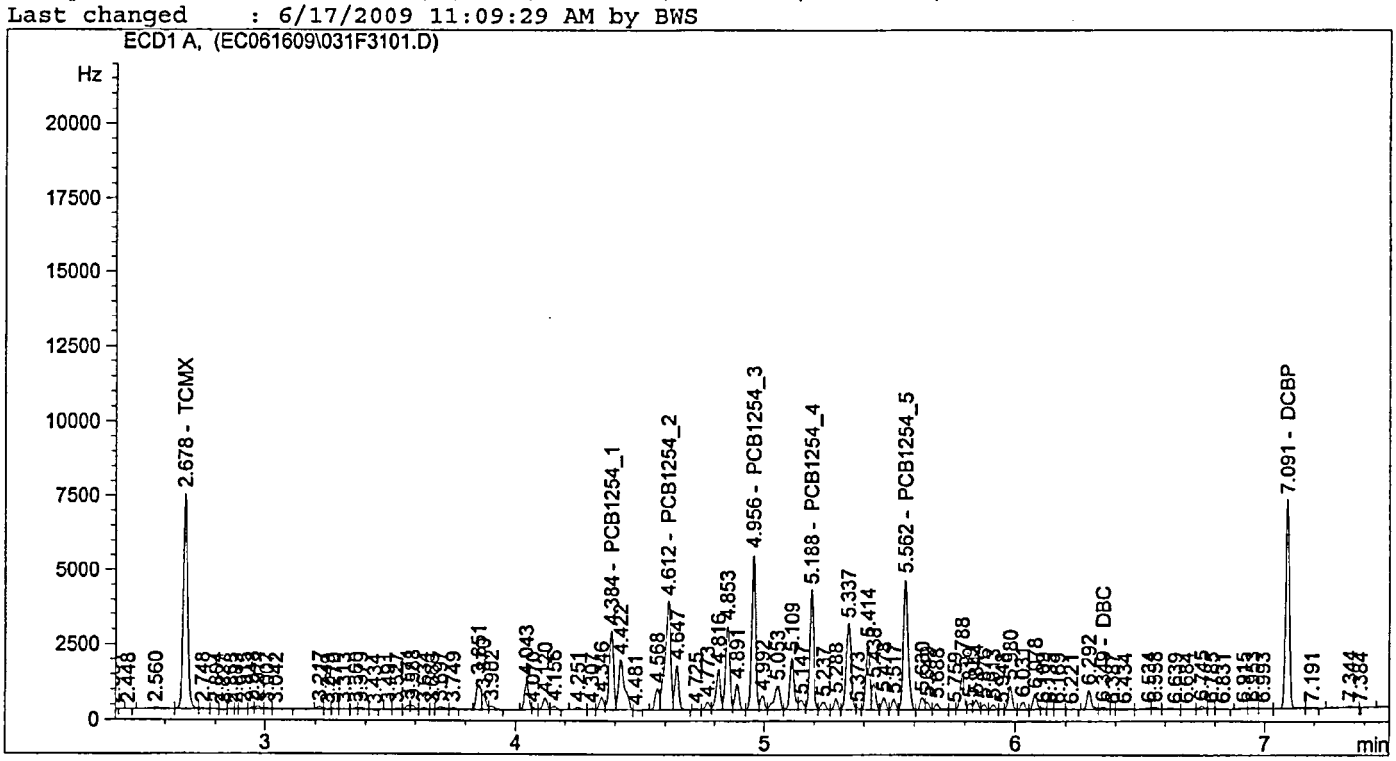
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	2.86009e4	1.73998e-3	49.76491		TCMX
4.385	VV	8812.30469	5.72395e-2	504.41229		PCB1254_1
4.613	VV	1.59512e4	3.14303e-2	501.35128		PCB1254_2
4.956	VV	1.68036e4	2.96809e-2	498.74692		PCB1254_3
5.188	VV	1.27868e4	3.88083e-2	496.23276		PCB1254_4
5.562	VV	1.67089e4	2.96250e-2	495.00058		PCB1254_5
6.349	VV	139.15649	0.00000	0.00000		DBC
7.092	VV	2.23516e4	2.17267e-3	48.56259		DCBP
Totals :				2594.07133		

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:41:32 PM          Seq. Line :  31
Sample Name     : A1254 x200 ICAL                Location : Vial 31
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	VV	8524.24609	2.03289e-3	17.32882		TCMX
4.384	VV	3080.65039	5.98480e-2	184.37073		PCB1254_1
4.612	VV	5549.41016	3.32512e-2	184.52429		PCB1254_2
4.956	VV	5754.39941	3.21343e-2	184.91339		PCB1254_3
5.188	VV	4395.10254	4.23342e-2	186.06293		PCB1254_4
5.562	VV	5617.83398	3.25875e-2	183.07117		PCB1254_5
6.349	VV	141.14275	0.00000	0.00000		DBC
7.091	VV	7539.11914	2.46550e-3	18.58767		DCBP

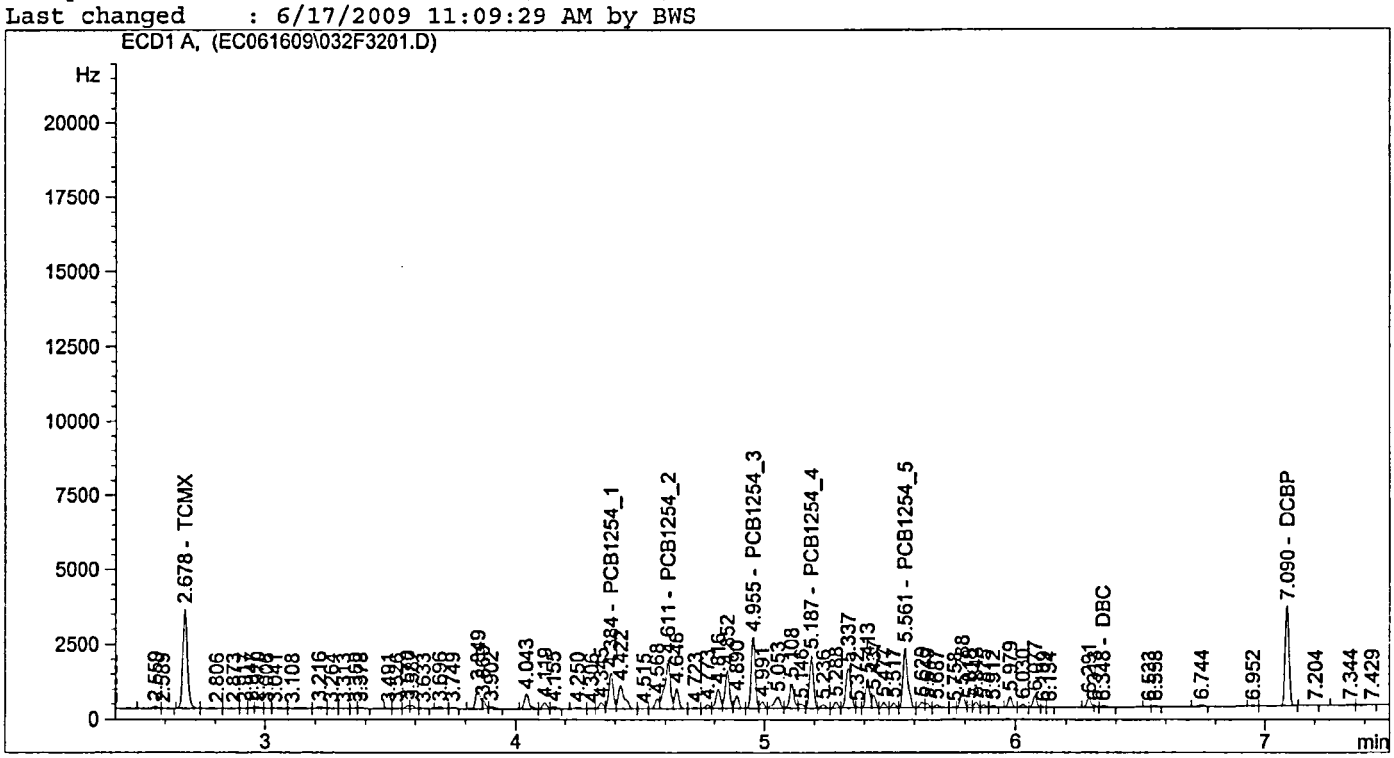
Totals : 958.85900

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 8:54:25 PM          Seq. Line :  32
Sample Name     : A1254 x100 ICAL                Location : Vial 32
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed    : 6/17/2009 11:09:29 AM by BWS
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 11:09:29 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	4296.46533	2.44349e-3	10.49836		TCMX
4.384	VV	1435.14307	6.44463e-2	92.48963		PCB1254_1
4.611	VV	2587.54272	3.64473e-2	94.30903		PCB1254_2
4.955	VV	2598.47339	3.66658e-2	95.27513		PCB1254_3
5.187	VV	1981.65430	4.88773e-2	96.85782		PCB1254_4
5.561	VV	2636.43701	3.76345e-2	99.22098		PCB1254_5
6.348	VB	43.90696	0.00000	0.00000		DBC
7.090	VB	3566.89917	2.95758e-3	10.54939		DCBP
Totals :				499.20033		

BWS
6.17.09

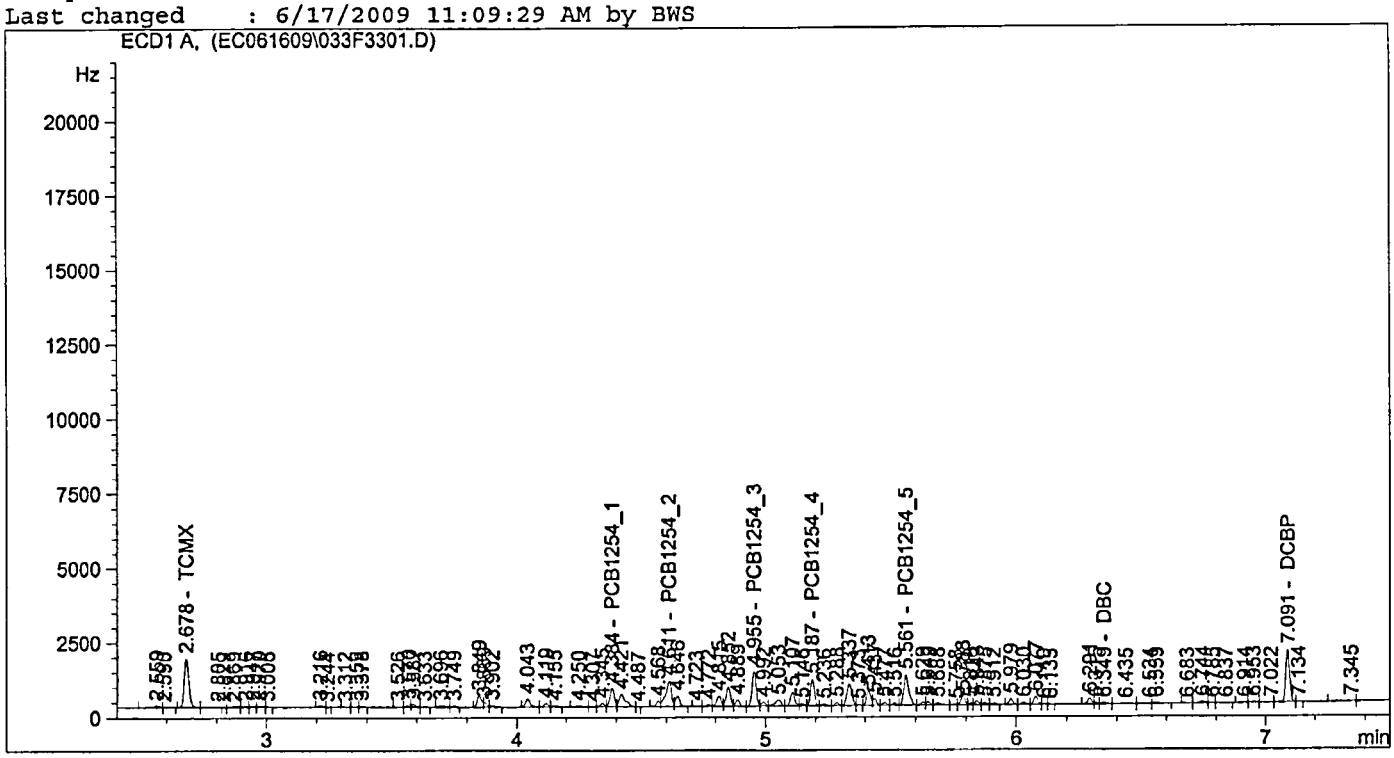
```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)
```

==========

Injection Date : 6/16/2009 9:07:20 PM Seq. Line : 33
Sample Name : A1254 x40 ICAL Location : Vial 33
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\1254F.M
Last changed : 6/17/2009 11:09:29 AM by BWS



==========

External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:09:29 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.678	BV	2096.34692	3.31234e-3	6.94381		TCMX
4.384	VV	747.95959	7.23555e-2	54.11898		PCB1254_1
4.611	VV	1354.87512	4.18956e-2	56.76331		PCB1254_2
4.955	VV	1309.11450	4.48038e-2	58.65327		PCB1254_3
5.187	VV	1002.31152	6.05198e-2	60.65966		PCB1254_4
5.561	VV	1361.23328	4.65435e-2	63.35655		PCB1254_5
6.349	VV	60.24842	0.00000	0.00000		DBC
7.091	VV	1876.47437	3.79894e-3	7.12861		DCBP

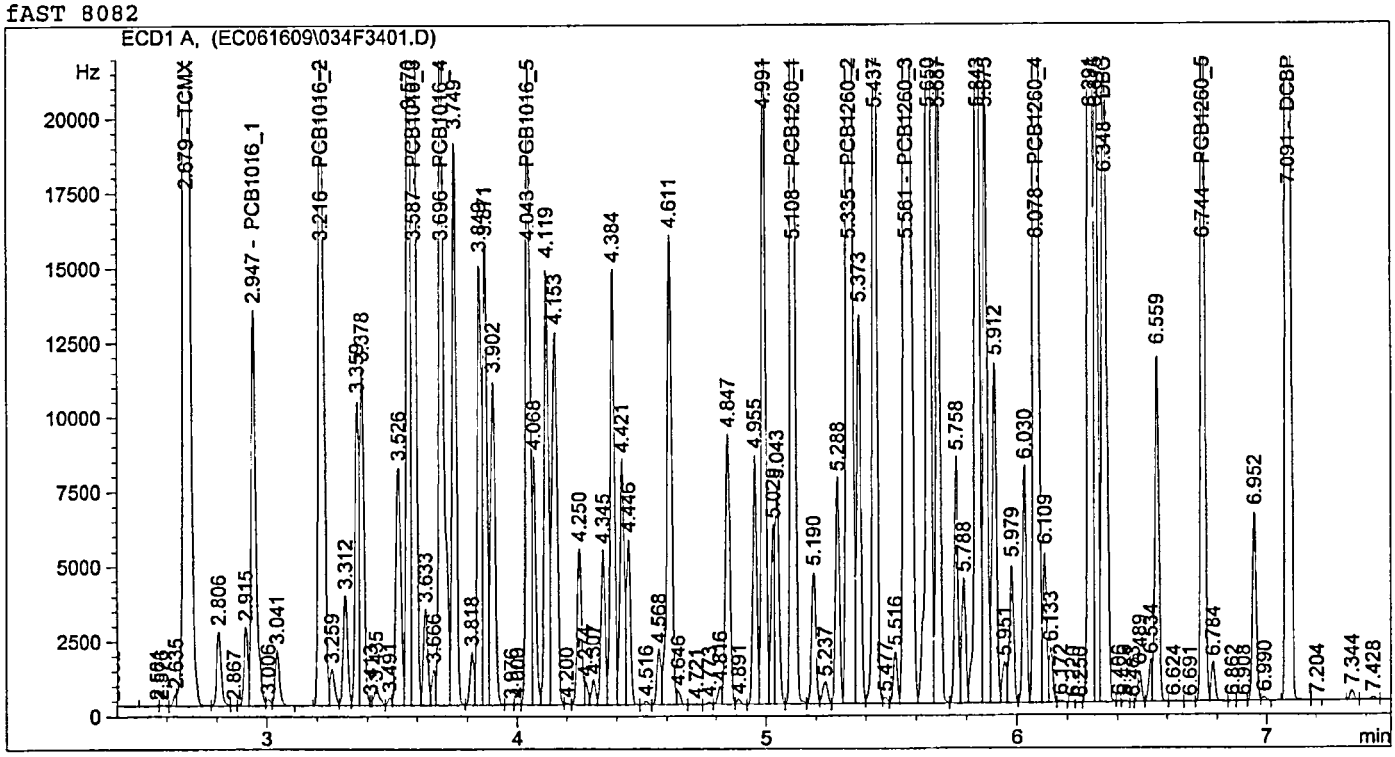
Totals : 307.62420

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBC)

```
==================================================================
Injection Date  : 6/16/2009 9:20:14 PM          Seq. Line :  34
Sample Name     : PCB x2000 ICAL                 Location : Vial 34
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 11:15:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.21250e5	1.65931e-3	201.19254		TCMX
2.947	VV	1.72408e4	1.15845e-1	1997.26688		PCB1016_1
3.216	PV	3.26845e4	6.08924e-2	1990.24185		PCB1016_2
3.587	VV	5.03406e4	3.98945e-2	2008.31722		PCB1016_3
3.696	VV	3.27770e4	6.11295e-2	2003.63813		PCB1016_4
4.043	VV	2.59332e4	7.73971e-2	2007.15412		PCB1016_5
5.108	VV	5.10187e4	3.94658e-2	2013.49142		PCB1260_1
5.335	VV	8.09492e4	2.48880e-2	2014.66536		PCB1260_2
5.561	VV	8.69555e4	2.31943e-2	2016.87090		PCB1260_3
6.078	VV	1.16463e5	1.73421e-2	2019.71412		PCB1260_4
6.348	VV	3.12323e4	6.46853e-3	202.02742		DBC
6.744	VV	2.96732e4	6.81750e-2	2022.96984		PCB1260_5
7.091	VV	1.00152e5	2.02414e-3	202.72162		DCBP

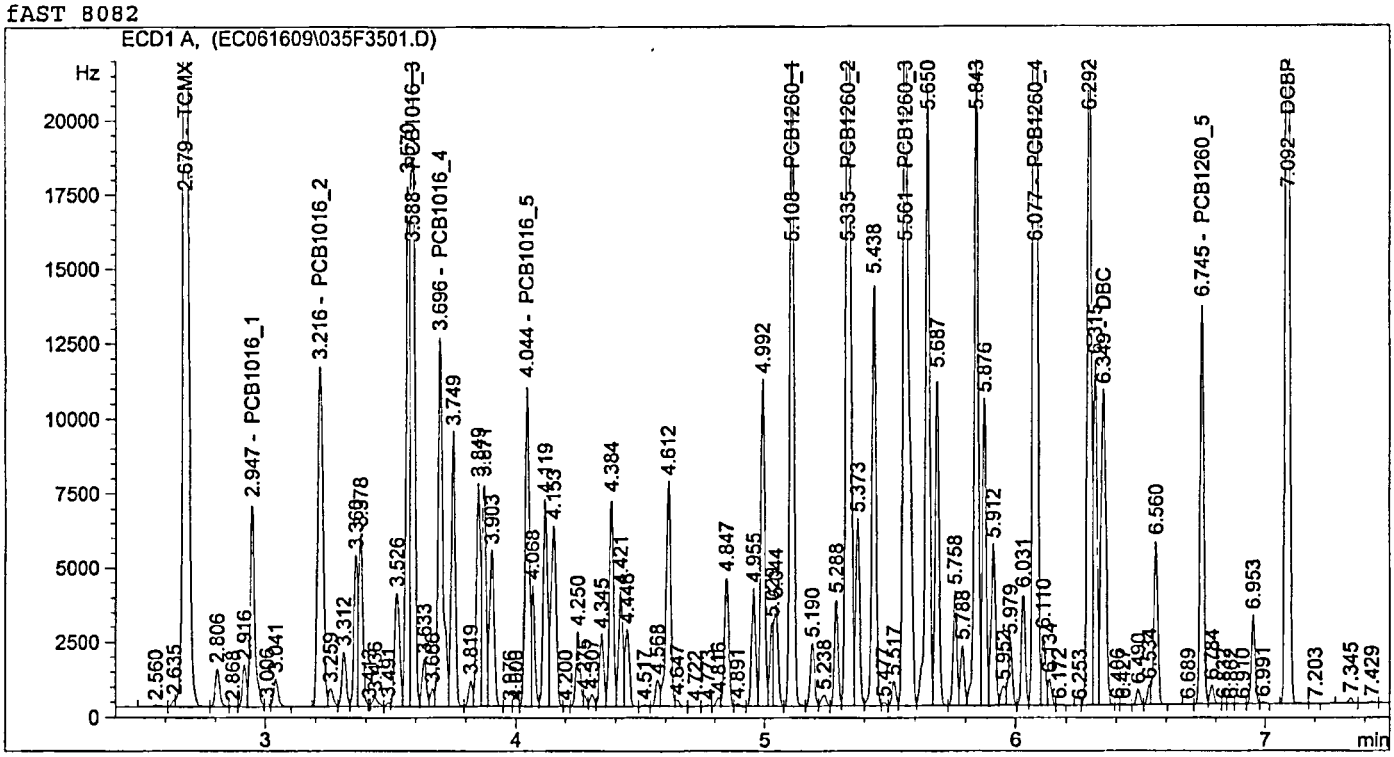
Totals : 2.07003e4

BWS
6.17.09

==========

Injection Date : 6/16/2009 9:33:02 PM Seq. Line : 35
Sample Name : PCB x1000 ICAL Location : Vial 35
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed : 6/17/2009 11:15:09 AM by BWS
fAST 8082



==========

External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

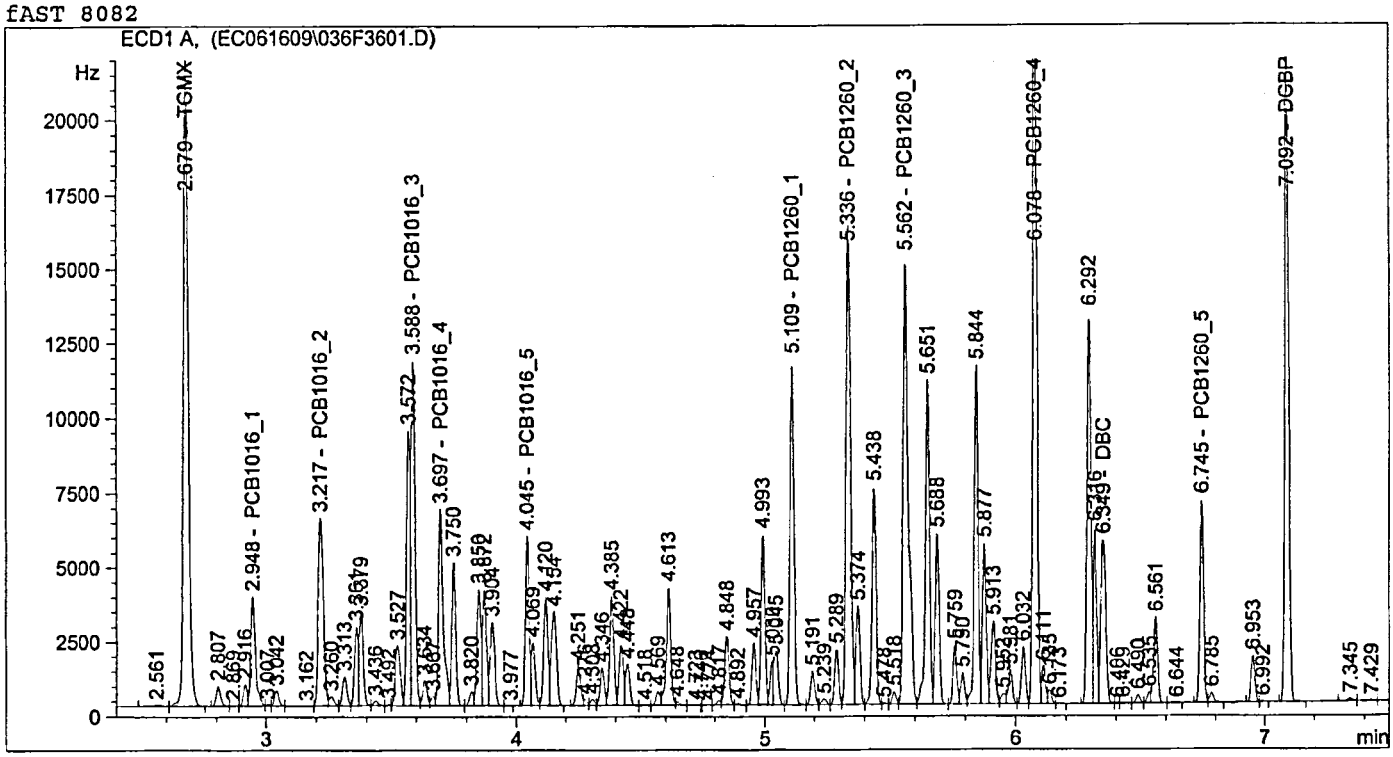
Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	5.79653e4	1.67490e-3	97.08626		TCMX
2.947	VV	8630.02051	1.14947e-1	991.99581		PCB1016_1
3.216	PV	1.66326e4	6.03041e-2	1003.01564		PCB1016_2
3.588	VV	2.42770e4	4.00624e-2	972.59592		PCB1016_3
3.696	VV	1.60786e4	6.11591e-2	983.35443		PCB1016_4
4.044	VV	1.26056e4	7.75844e-2	977.99992		PCB1016_5
5.108	VV	2.43350e4	3.97752e-2	967.92764		PCB1260_1
5.335	VV	3.84732e4	2.51016e-2	965.73908		PCB1260_2
5.561	VV	4.10533e4	2.34433e-2	962.42580		PCB1260_3
6.077	VV	5.45419e4	1.75871e-2	959.23379		PCB1260_4
6.349	VV	1.46099e4	6.54455e-3	95.61555		DBC
6.745	VV	1.37551e4	6.91876e-2	951.68206		PCB1260_5
7.092	VB	4.59375e4	2.05757e-3	94.51957		DCBP

Totals : 1.00232e4

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:46:01 PM          Seq. Line :  36
Sample Name     : PCB x500 ICAL                  Location : Vial 36
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

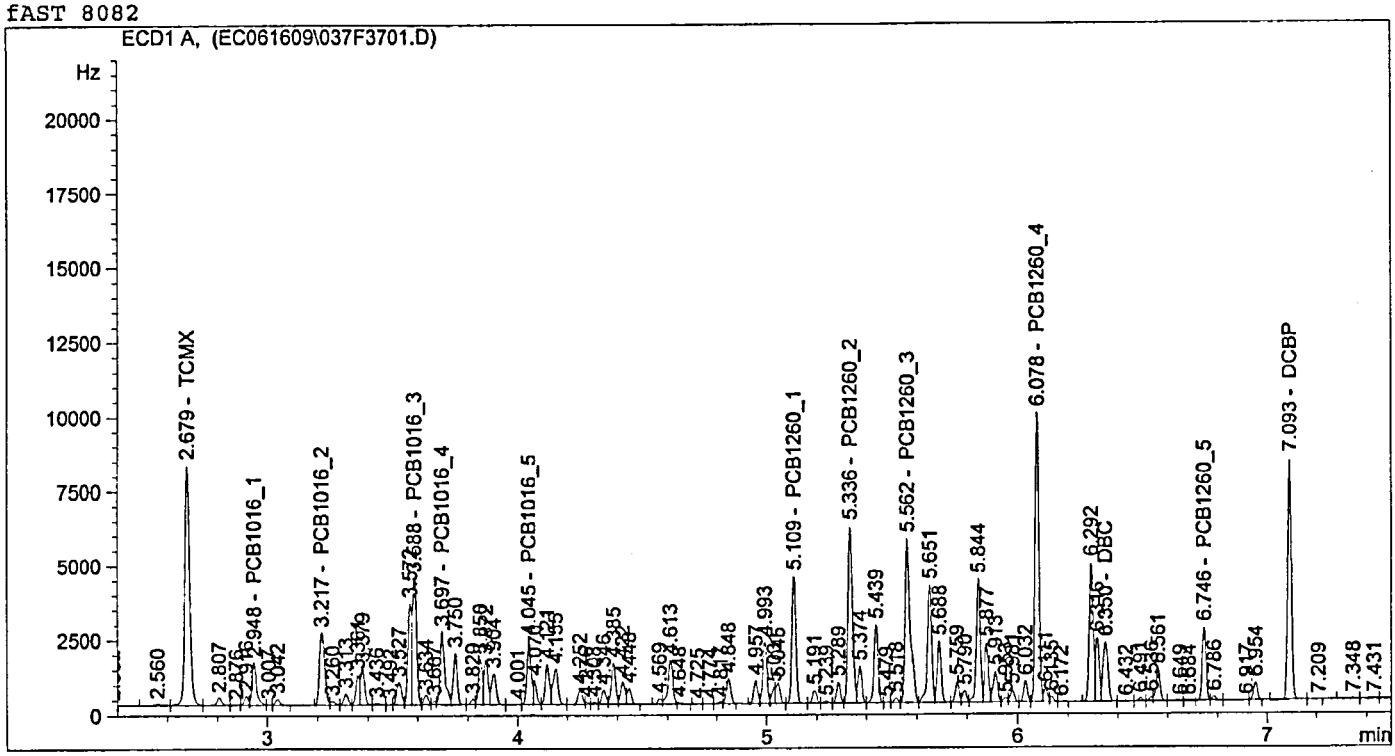
Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VB	3.01046e4	1.70255e-3	51.25442		TCMX
2.948	VV	4683.42236	1.13431e-1	531.24715		PCB1016_1
3.217	PV	9094.14063	5.93109e-2	539.38206		PCB1016_2
3.588	VV	1.30108e4	4.03431e-2	524.89529		PCB1016_3
3.697	VV	8536.23145	6.12105e-2	522.50719		PCB1016_4
4.045	VV	6655.70361	7.79103e-2	518.54789		PCB1016_5
5.109	VV	1.26906e4	4.03179e-2	511.66021		PCB1260_1
5.336	VV	2.00608e4	2.54753e-2	511.05530		PCB1260_2
5.562	VV	2.12894e4	2.38813e-2	508.41859		PCB1260_3
6.078	VV	2.78606e4	1.80285e-2	502.28332		PCB1260_4
6.349	VV	7585.99463	6.67681e-3	50.65023		DBC
6.745	VV	7103.52344	7.09552e-2	504.03201		PCB1260_5
7.092	VB	2.35723e4	2.11616e-3	49.88272		DCBP

Totals : 5325.81638

BWS
6.17.09

```
==================================================================
Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  37
Sample Name     : PCB x200 ICAL                  Location : Vial 37
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
```




```
==================================================================
                    External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	1.08099e4	1.80519e-3	19.51395		TCMX
2.948	VV	1826.83508	1.08249e-1	197.75265		PCB1016_1
3.217	BV	3515.66235	5.58341e-2	196.29384		PCB1016_2
3.588	VV	4714.23291	4.14076e-2	195.20522		PCB1016_3
3.697	VV	3178.36353	6.13953e-2	195.13662		PCB1016_4
4.045	VV	2462.75513	7.90857e-2	194.76877		PCB1016_5
5.109	VV	4633.16504	4.22905e-2	195.93902		PCB1260_1
5.336	VV	7301.72949	2.68395e-2	195.97470		PCB1260_2
5.562	VV	7683.14453	2.54925e-2	195.86235		PCB1260_3
6.078	VV	1.00399e4	1.96300e-2	197.08246		PCB1260_4
6.350	VV	2740.56128	7.16318e-3	19.63114		DBC
6.746	VV	2536.74219	7.75356e-2	196.68793		PCB1260_5
7.093	VB	8475.61133	2.33050e-3	19.75239		DCBP

Totals : 2019.60105

BWS
6.17.09

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==================================================================
Injection Date  : 6/16/2009 10:11:44 PM          Seq. Line :  38
Sample Name     : PCB x100 ICAL                   Location : Vial 38
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
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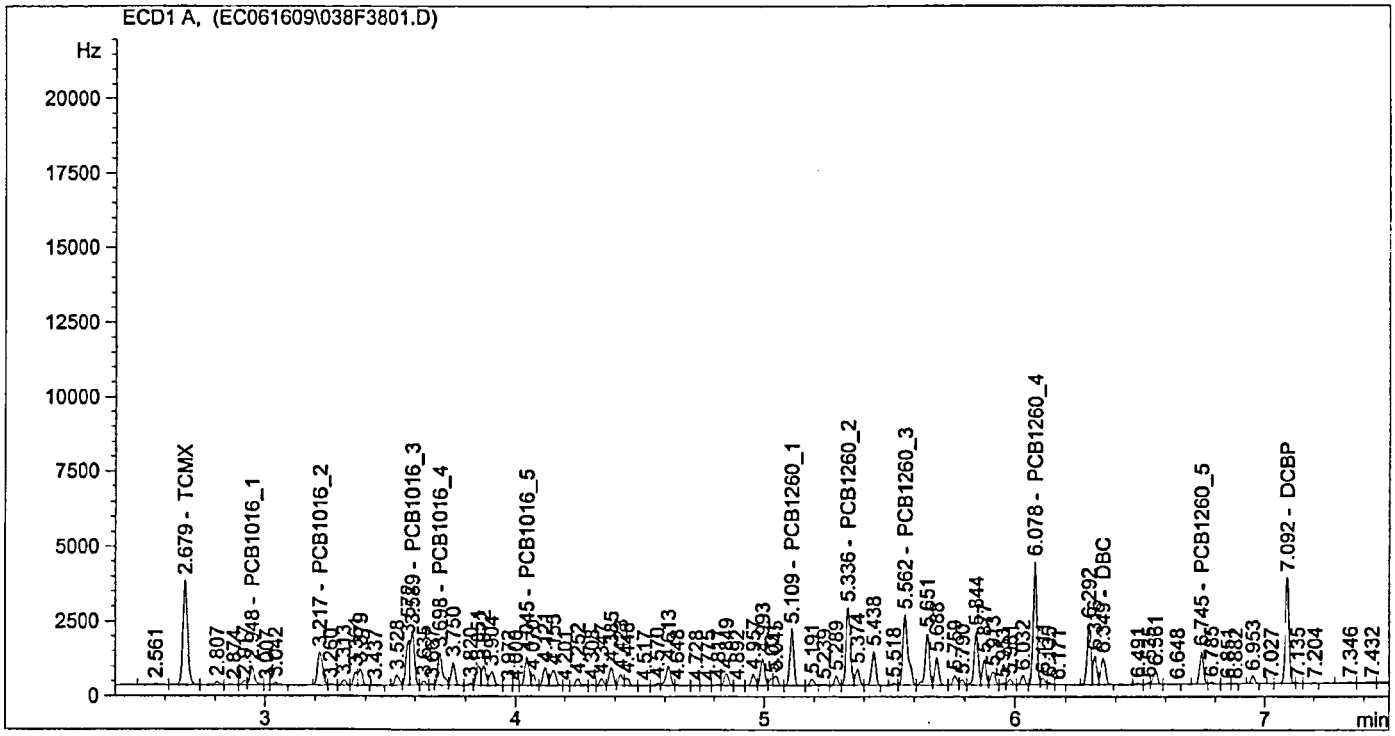


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                      External Standard Report
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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.679	VV	4626.69043	2.01923e-3	9.34235		TCMX
2.948	VV	850.59192	9.84966e-2	83.78039		PCB1016_1
3.217	BV	1599.89221	4.90470e-2	78.46993		PCB1016_2
3.589	VV	2033.84790	4.36077e-2	88.69151		PCB1016_3
3.698	VV	1423.24719	6.17584e-2	87.89743		PCB1016_4
4.045	VV	1106.63562	8.13722e-2	90.04934		PCB1016_5
5.109	VV	2028.33423	4.62805e-2	93.87227		PCB1260_1
5.336	VV	3216.15210	2.95643e-2	95.08322		PCB1260_2
5.562	VV	3360.40771	2.87353e-2	96.56241		PCB1260_3
6.078	VV	4285.95654	2.29913e-2	98.53964		PCB1260_4
6.349	VB	1223.74329	8.10701e-3	9.92090		DBC
6.745	VV	1109.86353	9.06950e-2	100.65909		PCB1260_5
7.092	VV	3759.68237	2.75030e-3	10.34024		DCBP

Totals : 943.20871

BWS
6.17.09

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Injection Date  : 6/16/2009 10:24:44 PM          Seq. Line :  39
Sample Name     : PCB x40 ICAL                    Location : Vial 39
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~2\PCBF.M
Last changed    : 6/17/2009 11:15:09 AM by BWS
fAST 8082
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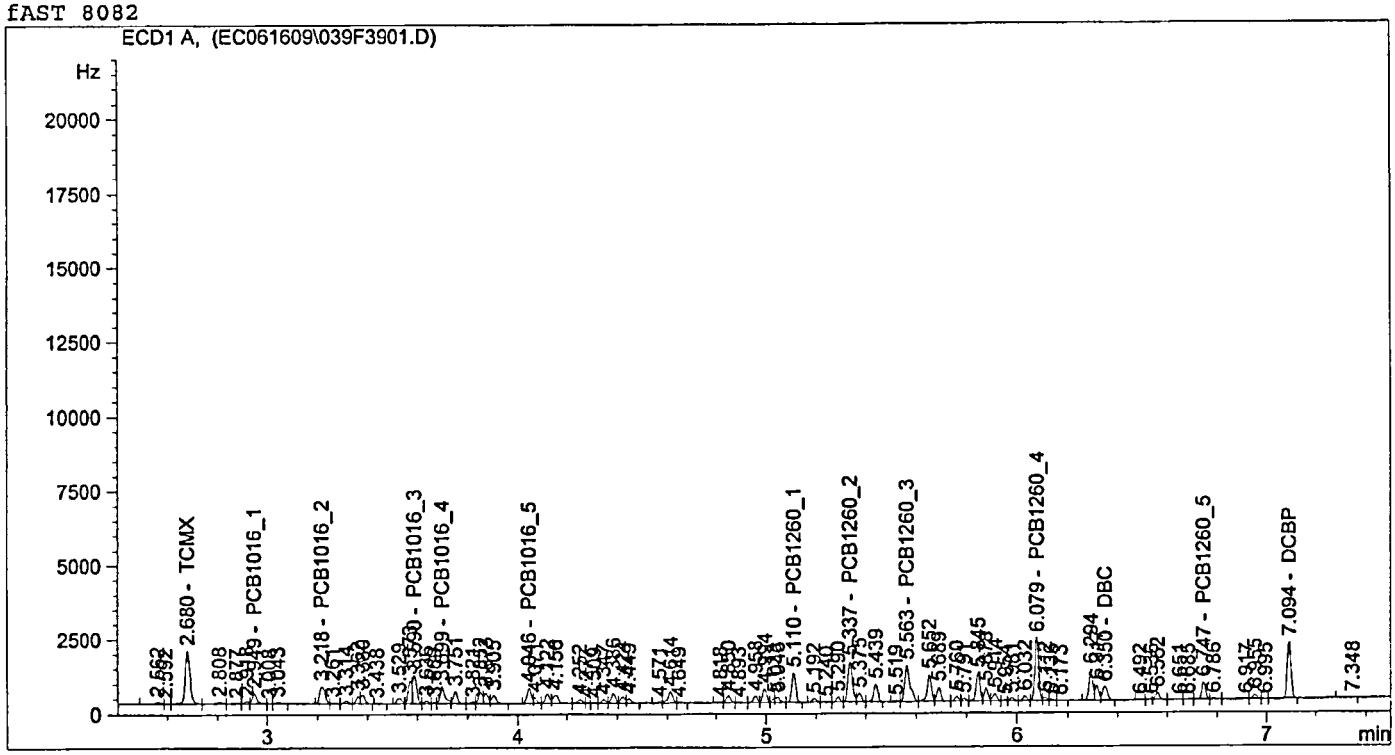


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                      External Standard Report
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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.680	VV	2358.12231	2.37921e-3	5.61048		TCMX
2.949	VV	458.08719	8.28600e-2	37.95712		PCB1016_1
3.218	BV	854.01141	3.81689e-2	32.59668		PCB1016_2
3.590	VV	1067.60730	4.71099e-2	50.29484		PCB1016_3
3.699	VV	761.53467	6.23297e-2	47.46620		PCB1016_4
4.046	PV	607.16089	8.47880e-2	51.47995		PCB1016_5
5.110	VV	1090.11560	5.23884e-2	57.10944		PCB1260_1
5.337	VV	1693.51343	3.39427e-2	57.48234		PCB1260_2
5.563	VV	1762.67249	3.39598e-2	59.85996		PCB1260_3
6.079	VV	2219.36157	2.84526e-2	63.14669		PCB1260_4
6.350	VV	635.44293	9.68579e-3	6.15477		DBC
6.747	VV	564.69189	1.13281e-1	63.96907		PCB1260_5
7.094	VV	1977.56738	3.43020e-3	6.78346		DCBP

Totals : 539.91099

BWS
6/17/09

PCB Initial Calibration Summary

Sample ID: A1221
Inst: ECD2

Date: 16-Jun-09
Column: Back

Compound	Amount	Peak	Peak Area	RT
PCB1221	40	1	68.25872803	3.31863
		2	54.14932251	3.4258101
		3	171.6998596	3.47351
		4	0	0
		5	0	0
	100	1	134.818222	3.3185799
		2	93.75131226	3.4258699
		3	334.0836182	3.4739499
		4	0	0
		5	0	0
	200	1	275.8415222	3.31863
		2	187.9540558	3.42608
		3	654.3911743	3.4741499
		4	0	0
		5	0	0
	500	1	666.2232666	3.31865
		2	442.7644043	3.42591
		3	1580.27002	3.4739399
		4	0	0
		5	0	0
	1000	1	1352.282471	3.3185201
		2	878.3676147	3.42574
		3	3245.028809	3.4734499
		4	0	0
		5	0	0
	2000	1	2881.797607	3.31828
		2	1829.250732	3.42557
		3	6903.972168	3.4735999
		4	0	0
		5	0	0

Peak	RT Window From	RT Window To
1	3.2885	3.3485
2	3.3958	3.4558
3	3.4438	3.5038
4		
5		

Peak	Correlation Coefficient (r)
1	0.999397081
2	0.999671596
3	0.999354877
4	
5	

Peak	Slope (y)
1	0.69661673
2	1.103230345
3	0.290868062
4	
5	

Peak	Intercept (b)
1	15.45734798
2	-1.020489447
3	15.14532091
4	
5	

PCB Initial Calibration Summary

Sample ID: A1232
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1232	40	1	495.0893555	2.95327
		2	395.8239136	3.2230301
		3	525.0204468	3.5950401
		4	292.696106	4.0517302
		5	251.546936	4.4556398
	100	1	822.0823364	2.9533701
		2	627.5452271	3.22329
		3	845.7796021	3.5953801
		4	440.4623718	4.0520701
		5	406.5694275	4.45614
	200	1	1918.338501	2.9526601
		2	1475.925781	3.2225499
		3	1920.7677	3.59483
		4	955.569458	4.05125
		5	916.8273926	4.45506
	500	1	5459.367188	2.9532599
		2	4011.202393	3.2229099
		3	5890.492676	3.5949399
		4	2581.757813	4.0513
		5	2731.882568	4.4552202
	1000	1	10642.22656	2.95364
		2	8107.244629	3.22352
		3	11423.75781	3.5956399
		4	5312.279297	4.05231
		5	5470.343262	4.4562201
	2000	1	21929.52148	2.95332
		2	16745.51172	3.2232001
		3	24888.66992	3.59514
		4	11396.51563	4.0517502
		5	11935.27344	4.4556999

Peak	RT Window From	RT Window To
1	2.9233	2.9833
2	3.1931	3.2531
3	3.5652	3.6252
4	4.0217	4.0817
5	4.4257	4.4857

Peak	Correlation Coefficient (r)
1	0.99980252
2	0.999796603
3	0.999152508
4	0.999245784
5	0.999117781

Peak	Slope (y)
1	0.090809351
2	0.118921741
3	0.079932803
4	0.175114454
5	0.166558646

Peak	Intercept (b)
1	15.43408851
2	18.37121099
3	33.91633781
4	27.70412041
5	37.267483

PCB Initial Calibration Summary

Sample ID: A1242 Date: 16-Jun-09
Inst: ECD2 Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1242	40	1	403.0035706	2.94821
		2	725.3896484	3.2174399
		3	897.3375854	3.5889201
		4	509.7808533	4.0448699
		5	513.4442139	4.4223499
	100	1	793.5803223	2.9484501
		2	1467.12085	3.2176499
		3	1857.668701	3.5894201
		4	1025.639404	4.0453701
		5	1045.561646	4.4226699
	200	1	1538.385742	2.9498799
		2	2850.614014	3.21928
		3	3870.946045	3.5906601
		4	2049.926758	4.0471101
		5	2122.512451	4.4245901
	500	1	3628.715576	2.9507599
		2	6743.108398	3.21929
		3	10631.87207	3.5915501
		4	4836.100586	4.0467901
		5	5635.855957	4.4250598
	1000	1	8266.917969	2.9516699
		2	15512.74023	3.2212901
		3	22709.72656	3.59319
		4	11790.20996	4.0496001
		5	12501.0459	4.4270201
	2000	1	15892.9834	2.9526701
		2	29535.74609	3.2226501
		3	44998.21484	3.5947499
		4	23374.73242	4.0508699
		5	25335.19531	4.4284501

Peak	RT Window From	RT Window To
1	2.9203	2.9803
2	3.1896	3.2496
3	3.5614	3.6214
4	4.0174	4.0774
5	4.3950	4.4550

Peak	Correlation Coefficient (r)
1	0.999382277
2	0.99924372
3	0.999835192
4	0.998984327
5	0.99965219

Peak	Slope (y)
1	0.124937308
2	0.067088902
3	0.043983124
4	0.084482632
5	0.07816203

Peak	Intercept (b)
1	4.410879429
2	4.503517866
3	17.15669073
4	26.28450961
5	25.72961152

PCB Initial Calibration Summary

Sample ID: A1248
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1248	40	1	689.8724365	3.5885501
		2	361.0348816	3.8517399
		3	989.3600464	4.4222999
		4	791.9811401	4.6195402
		5	474.0143738	4.9567099
	100	1	1206.299561	3.5888801
		2	1041.661865	3.85131
		3	1840.272339	4.42238
		4	1445.289917	4.6200199
		5	865.4060059	4.9569502
	200	1	2780.866699	3.5878699
		2	2357.027588	3.85039
		3	4327.105469	4.4215598
		4	3333.630859	4.6187901
		5	1994.117676	4.9559798
	500	1	7947.630371	3.58832
		2	6716.694336	3.8503301
		3	12407.98633	4.42167
		4	9514.631836	4.61975
		5	5683.827637	4.9563398
	1000	1	17201.23828	3.5877299
		2	15082.45215	3.8497901
		3	26991.54883	4.4212699
		4	20718.24609	4.6191101
		5	12462.66113	4.9556799
	2000	1	36665.78516	3.5884299
		2	31148.52148	3.8506501
		3	58161.60547	4.4218602
		4	44654.57031	4.6196499
		5	27130.5918	4.9560599

Peak	RT Window From	RT Window To
1	3.5583	3.6183
2	3.8207	3.8807
3	4.3918	4.4518
4	4.5895	4.6495
5	4.9263	4.9863

Peak	Correlation Coefficient (r)
1	0.999329938
2	0.999647016
3	0.999192989
4	0.999159614
5	0.998955352

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Peak	Slope (y)
1	0.053938235
2	0.063106134
3	0.033968994
4	0.044269949
5	0.072846844

Peak	Intercept (b)
1	42.25924654
2	43.56928499
3	47.13983997
4	46.35215364
5	49.81163788

PCB Initial Calibration Summary

Sample ID: A1254 Date: 16-Jun-09
Inst: ECD2 Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1254	40	1	747.9595947	4.3836298
		2	1354.875122	4.61128
		3	1309.114502	4.9548202
		4	1002.311523	5.1868401
		5	1361.233276	5.5612702
	100	1	1435.143066	4.38377
		2	2587.542725	4.6112299
		3	2598.473389	4.9552302
		4	1981.654297	5.18681
		5	2636.437012	5.56142
	200	1	3080.650391	4.38446
		2	5549.410156	4.61164
		3	5754.399414	4.9558001
		4	4395.102539	5.1876402
		5	5617.833984	5.5620098
	500	1	8812.304688	4.3850398
		2	15951.19336	4.6125302
		3	16803.64844	4.95645
		4	12786.76074	5.1880298
		5	16708.86914	5.56218
	1000	1	17927.06445	4.3857198
		2	32643.64453	4.6135402
		3	34668.50781	4.9574499
		4	26454.19531	5.1893702
		5	34650.625	5.5636301
	2000	1	35488.17188	4.38515
		2	65032.93359	4.6129198
		3	69611.28906	4.95679
		4	53509.94531	5.18852
		5	70319.60156	5.56285

Peak	RT Window From	RT Window To
1	4.3546	4.4146
2	4.5822	4.6422
3	4.9261	4.9861
4	5.1579	5.2179
5	5.5322	5.5922

Peak	Correlation Coefficient (r)
1	0.999871063
2	0.999883624
3	0.999887813
4	0.999886128
5	0.999848139

Peak	Slope (y)
1	0.055854704
2	0.030471499
3	0.028411196
4	0.036973921
5	0.028133881

Peak	Intercept (b)
1	11.71563016
2	14.72687888
3	20.89432368
4	22.96707296
5	24.36222119

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1016	40	1	458.0871887	2.9489901
		2	854.0114136	3.2182
		3	1067.6073	3.58971
		4	761.534668	3.69853
		5	607.1608887	4.0458798
	100	1	850.5919189	2.9480901
		2	1599.892212	3.2174301
		3	2033.8479	3.58881
		4	1423.247192	3.6976199
		5	1106.63562	4.0448298
	200	1	1826.835083	2.94767
		2	3515.662354	3.2168901
		3	4714.23291	3.5883801
		4	3178.363525	3.69735
		5	2462.755127	4.0446401
	500	1	4683.422363	2.9478099
		2	9094.140625	3.2171299
		3	13010.7832	3.5883801
		4	8536.231445	3.6970899
		5	6655.703613	4.0445199
	1000	1	8630.020508	2.9468901
		2	16632.63867	3.2163401
		3	24277.0332	3.58762
		4	16078.62793	3.6963401
		5	12605.62012	4.04353
	2000	1	17240.79102	2.9468701
		2	32684.54492	3.21632
		3	50340.64453	3.5873201
		4	32776.96875	3.6963201
		5	25933.19531	4.04321

Peak	RT Window From	RT Window To
1	2.9177	2.9777
2	3.1871	3.2471
3	3.5584	3.6184
4	3.6672	3.7272
5	4.0144	4.0744

Peak	Correlation Coefficient (r)
1	0.999767974
2	0.999615666
3	0.999701823
4	0.99982024
5	0.999800099

Peak	Slope (y)
1	0.116691605
2	0.061454851
3	0.039714517
4	0.061078938
5	0.077189043

Peak	Intercept (b)
1	-15.21846314
2	-19.41966486
3	8.246950002
4	1.165477844
5	4.84904761

PCB Initial Calibration Summary

Sample ID: PCB
Inst: ECD2

Date: 16-Jun-09
Column: Front

Compound	Amount	Peak	Peak Area	RT
PCB1260	40	1	1090.115601	5.1100502
		2	1693.513428	5.3373599
		3	1762.672485	5.5627599
		4	2219.361572	6.07901
		5	564.6918945	6.7466302
	100	1	2028.334229	5.1089802
		2	3216.1521	5.33599
		3	3360.407715	5.5618
		4	4285.956543	6.0783401
		5	1109.863525	6.74509
	200	1	4633.165039	5.1089501
		2	7301.729492	5.33606
		3	7683.144531	5.5619102
		4	10039.87402	6.0783701
		5	2536.742188	6.7459998
	500	1	12690.63965	5.1089702
		2	20060.8457	5.3362699
		3	21289.37891	5.56216
		4	27860.55859	6.0781002
		5	7103.523438	6.74508
	1000	1	24334.97461	5.1079702
		2	38473.16016	5.3350201
		3	41053.27344	5.56106
		4	54541.90625	6.0773802
		5	13755.09082	6.7446499
	2000	1	51018.65625	5.1076198
		2	80949.1875	5.3348999
		3	86955.5	5.56072
		4	116463.375	6.0775199
		5	29673.20117	6.7441101

Peak	RT Window From	RT Window To
1	5.0788	5.1388
2	5.3059	5.3659
3	5.5317	5.5917
4	6.0481	6.1081
5	6.7153	6.7753

Peak	Correlation Coefficient (r)
1	0.99970242
2	0.999673663
3	0.999615082
4	0.999542832
5	0.999391482

Peak	Slope (y)
1	0.039160323
2	0.024678433
3	0.022953865
4	0.017110559
5	0.067218053

Peak	Intercept (b)
1	14.76702614
2	16.06921781
3	19.84633707
4	25.69948897
5	26.71242249

Data File C:\HPCHEM\1\DATA\EC061609\004B0401.D

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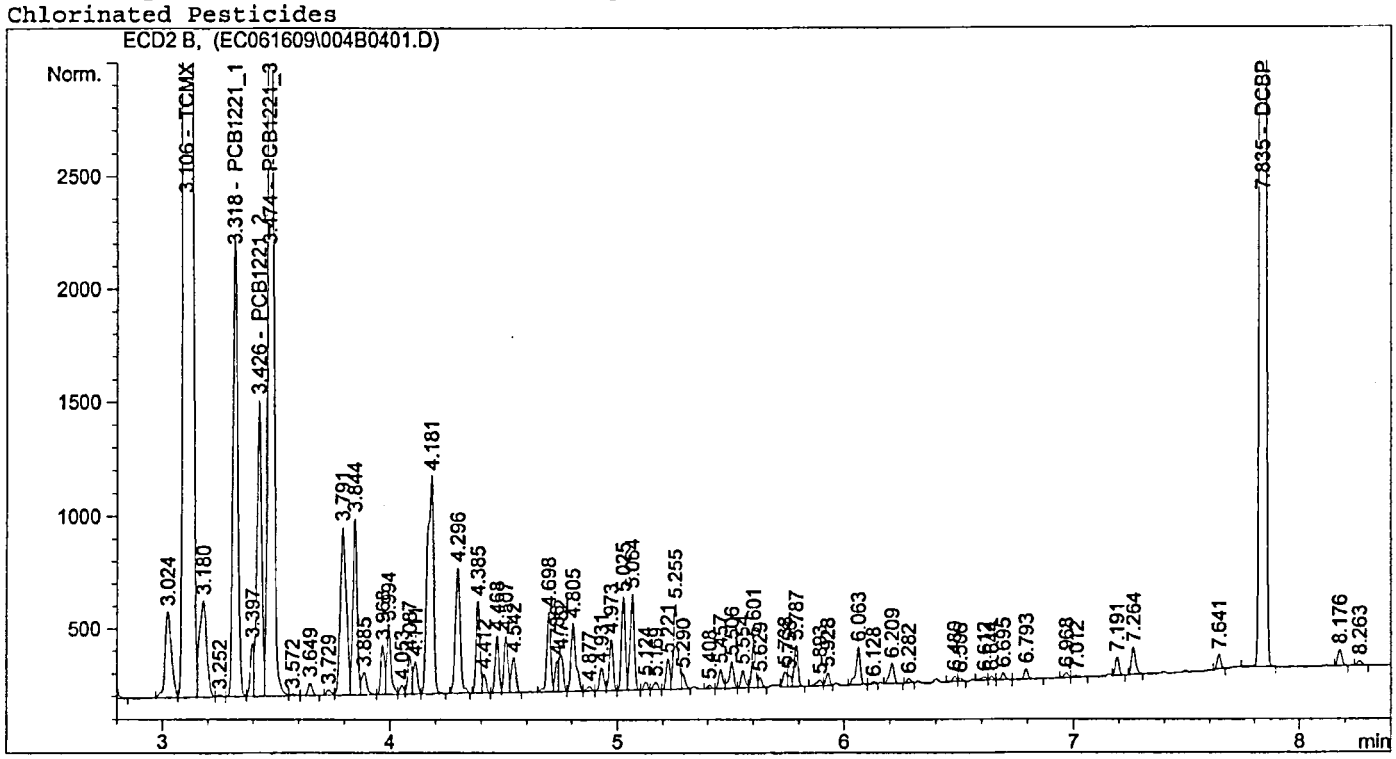
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 9:25:07 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.01823e4	6.73864e-3	203.38781		TCMX
3.318	VV	2881.79761	7.02560e-1	2024.63492		PCB1221_1
3.426	VV	1829.25073	1.10317	2017.96934		PCB1221_2
3.474	VV	6903.97217	2.93321e-1	2025.07684		PCB1221_3
6.890		-	-	-		DBC
7.835	BP	3.04287e4	6.70653e-3	204.07139		DCBP

BWS
6.17.09

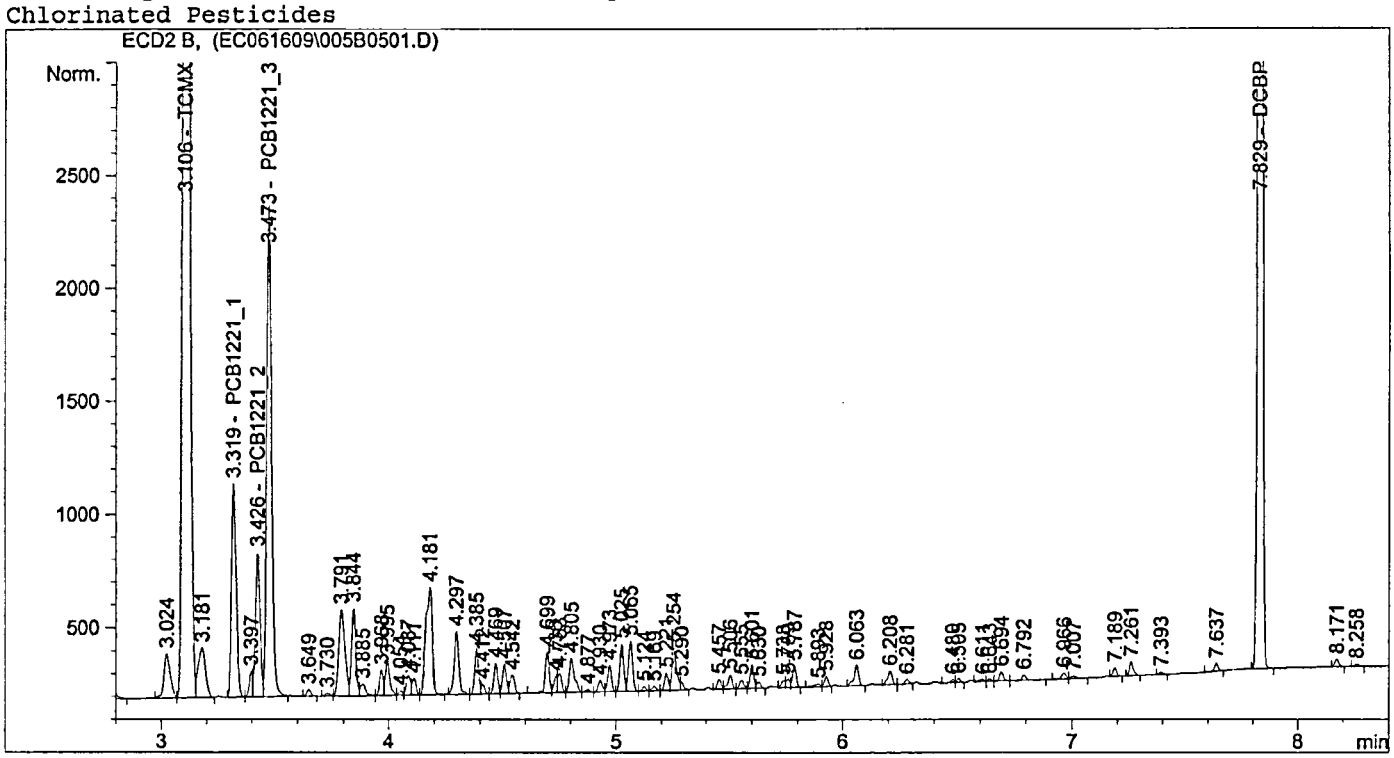
Totals : 6475.14029

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

ECD2 6/17/2009 9:25:30 AM BWS

```
==================================================================
Injection Date  : 6/16/2009 3:32:12 PM          Seq. Line :   5
Sample Name     : A1221 x1000 ICAL               Location : Vial 5
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD2 B,
```

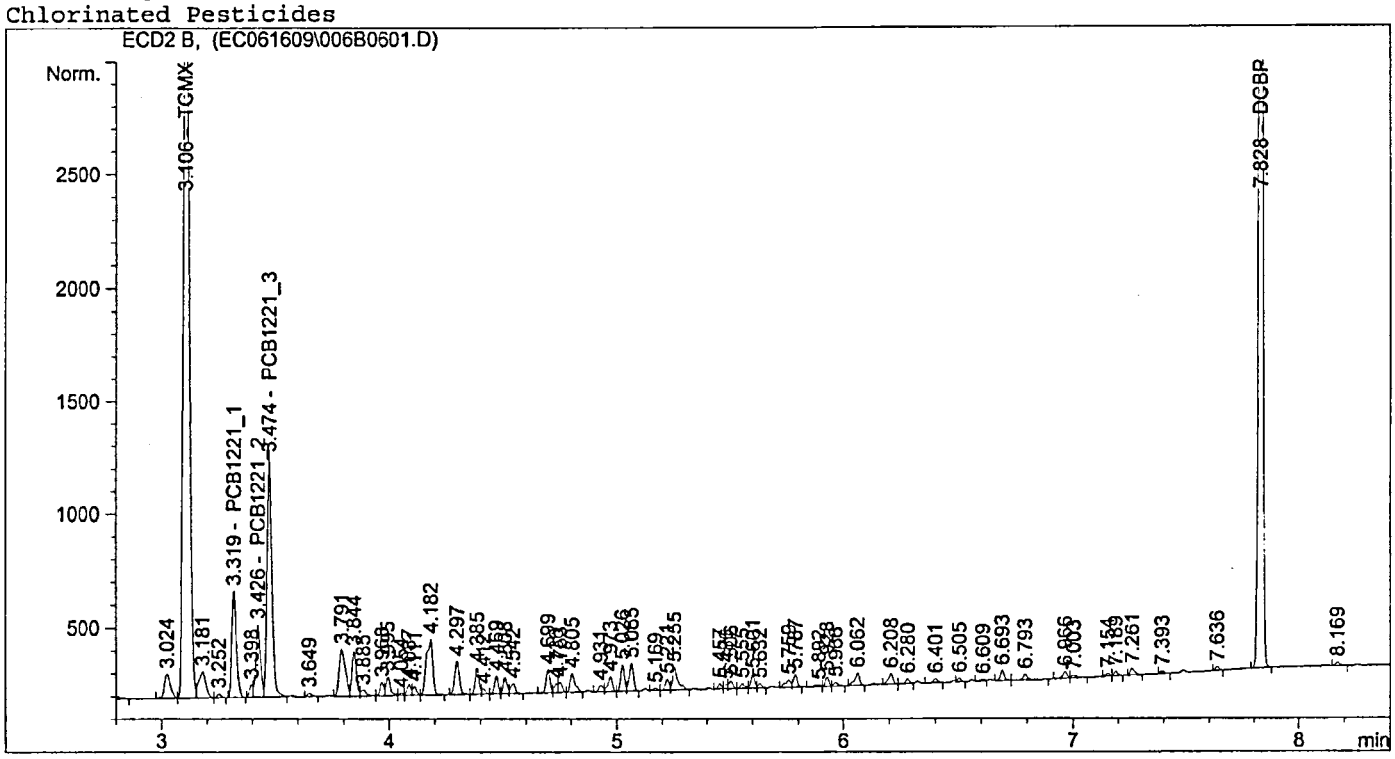
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.37204e4	6.90532e-3	94.74401		TCMX
3.319	BV	1352.28247	7.08331e-1	957.86312		PCB1221_1
3.426	VV	878.36761	1.10231	968.23687		PCB1221_2
3.473	VB	3245.02881	2.95662e-1	959.43257		PCB1221_3
6.890		-	-	-		DBC
7.829	BB	1.36037e4	6.86986e-3	93.45533		DCBP
Totals :				3073.73190		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 3:45:01 PM          Seq. Line :   6
Sample Name     : A1221 x500 ICAL                Location : Vial 6
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

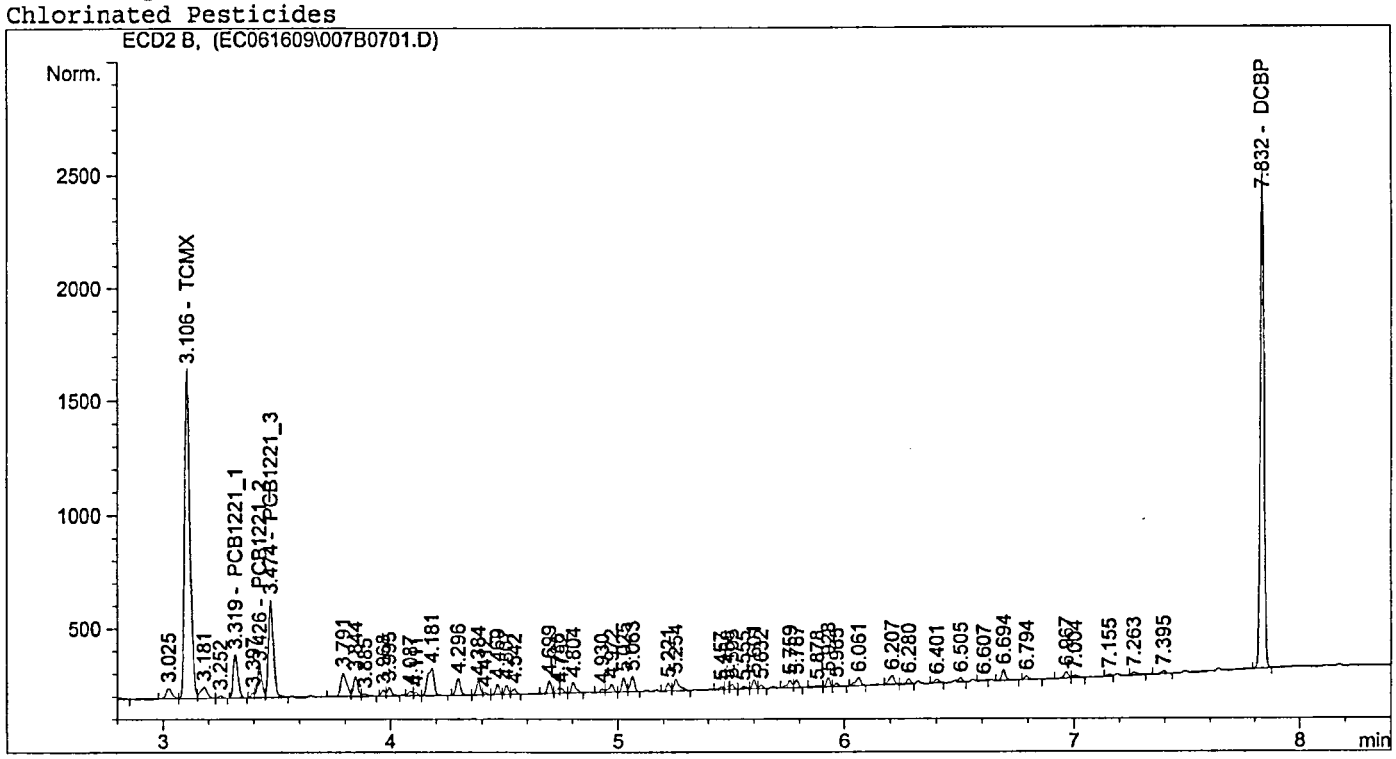
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6381.74414	7.25673e-3	46.31061		TCMX
3.319	BB	666.22327	7.19528e-1	479.36598		PCB1221_1
3.426	VV	442.76440	1.10070	487.35039		PCB1221_2
3.474	VV	1580.27002	3.00317e-1	474.58204		PCB1221_3
6.890		-	-	-		DBC
7.828	BB	6373.09912	7.20499e-3	45.91812		DCBP
Totals :				1533.52714		

BWS
6·17·09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 3:57:58 PM          Seq. Line :   7
Sample Name     : A1221 x200 ICAL                Location : Vial 7
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

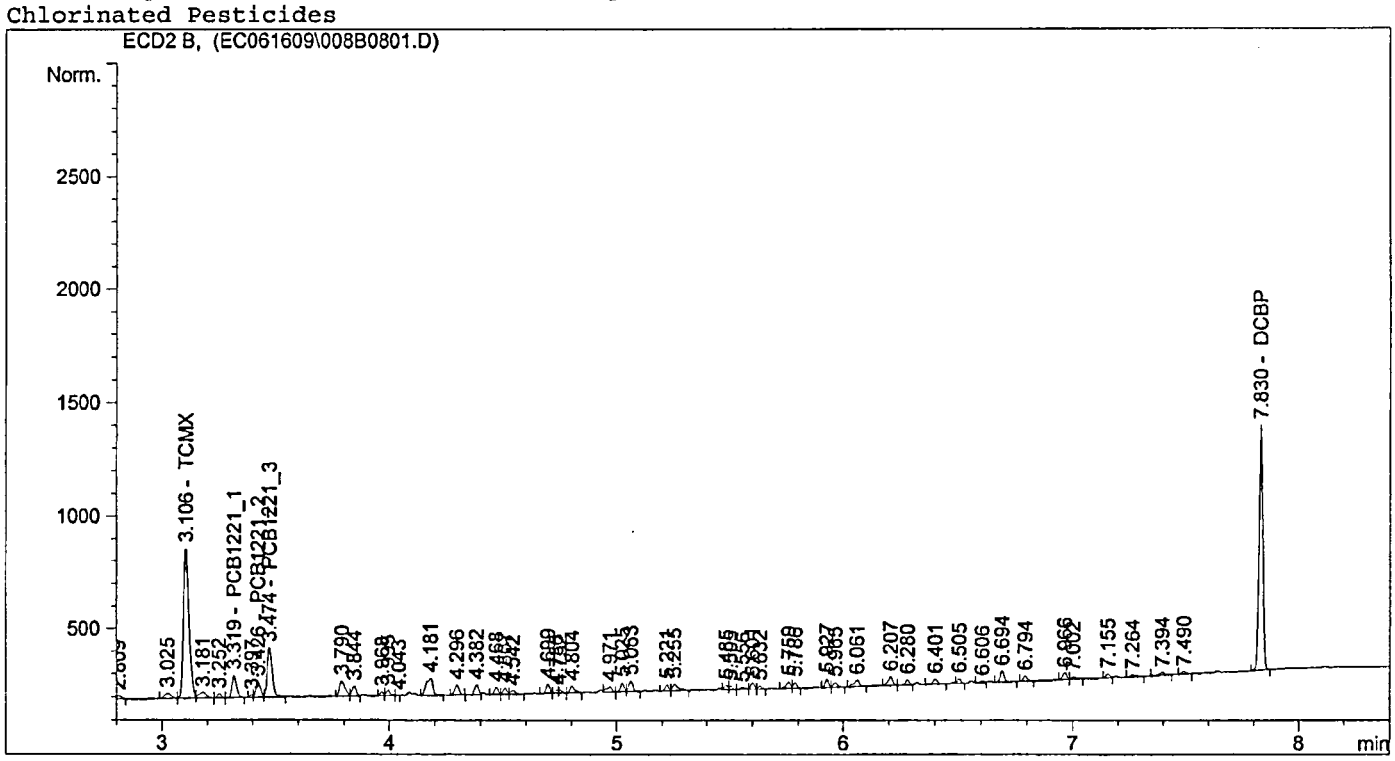
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2397.96655	8.34823e-3	20.01878		TCMX
3.319	BB	275.84152	7.50762e-1	207.09131		PCB1221_1
3.426	VV	187.95406	1.09628	206.05115		PCB1221_2
3.474	VB	654.39117	3.13155e-1	204.92564		PCB1221_3
6.890		-	-	-		DBC
7.832	BB	2483.32471	8.19260e-3	20.34488		DCBP
Totals :				658.43176		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:10:48 PM          Seq. Line :   8
Sample Name     : A1221 x100 ICAL                Location : Vial 8
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

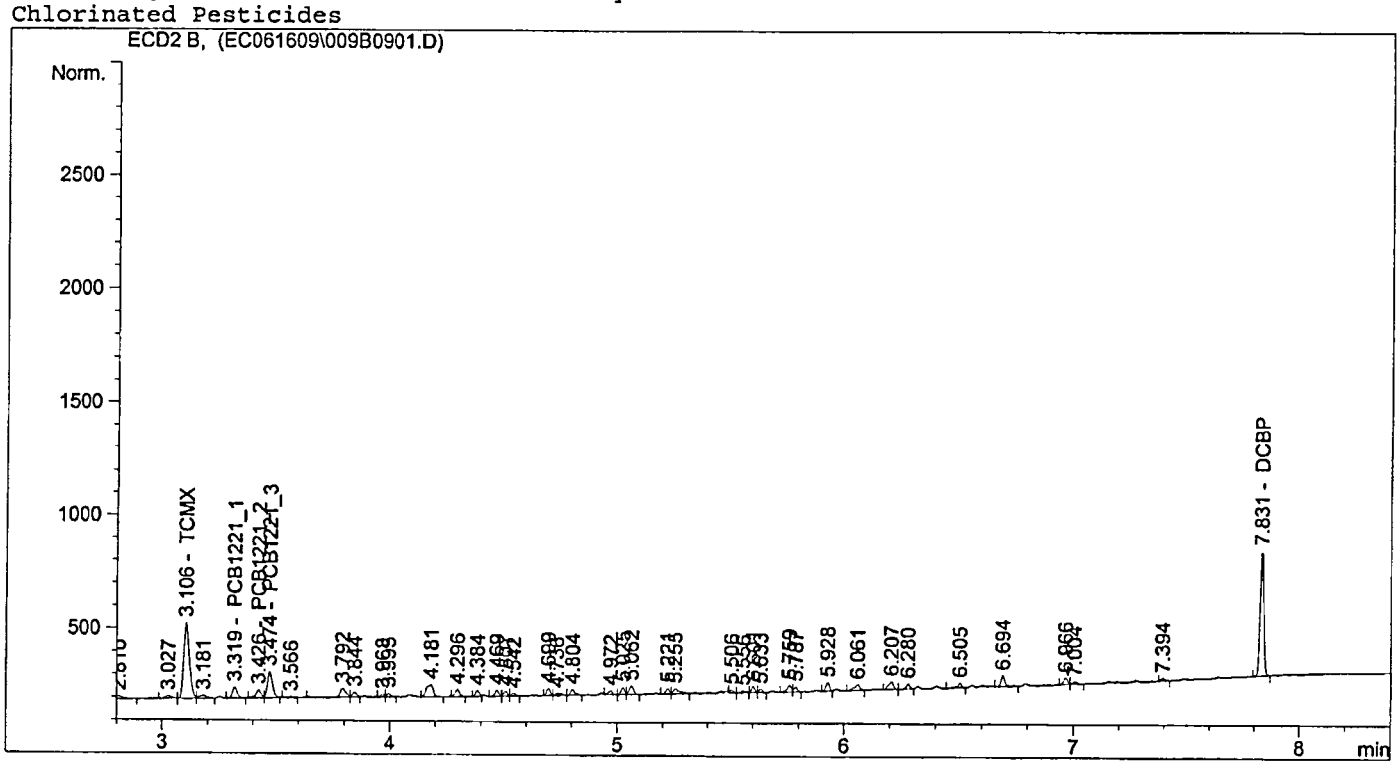
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1131.83484	1.03042e-2	11.66266		TCMX
3.319	VB	134.81822	8.06520e-1	108.73355		PCB1221_1
3.426	VV	93.75131	1.08858	102.05553		PCB1221_2
3.474	VB	334.08362	3.34162e-1	111.63808		PCB1221_3
6.890		-	-	-		DBC
7.830	BB	1227.84082	9.84715e-3	12.09073		DCBP
Totals :				346.18055		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:23:47 PM          Seq. Line :   9
Sample Name     : A1221 x40 ICAL                 Location : Vial 9
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/17/2009 8:56:46 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 8:56:45 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	558.09558	1.41125e-2	7.87614		TCMX
3.319	VB	68.25873	9.12867e-1	62.31113		PCB1221_1
3.426	BV	54.14932	1.07733	58.33671		PCB1221_2
3.474	VB	171.69986	3.74752e-1	64.34483		PCB1221_3
6.890		-	-	-		DBC
7.831	BB	623.81079	1.30160e-2	8.11955		DCBP
Totals :				200.98835		

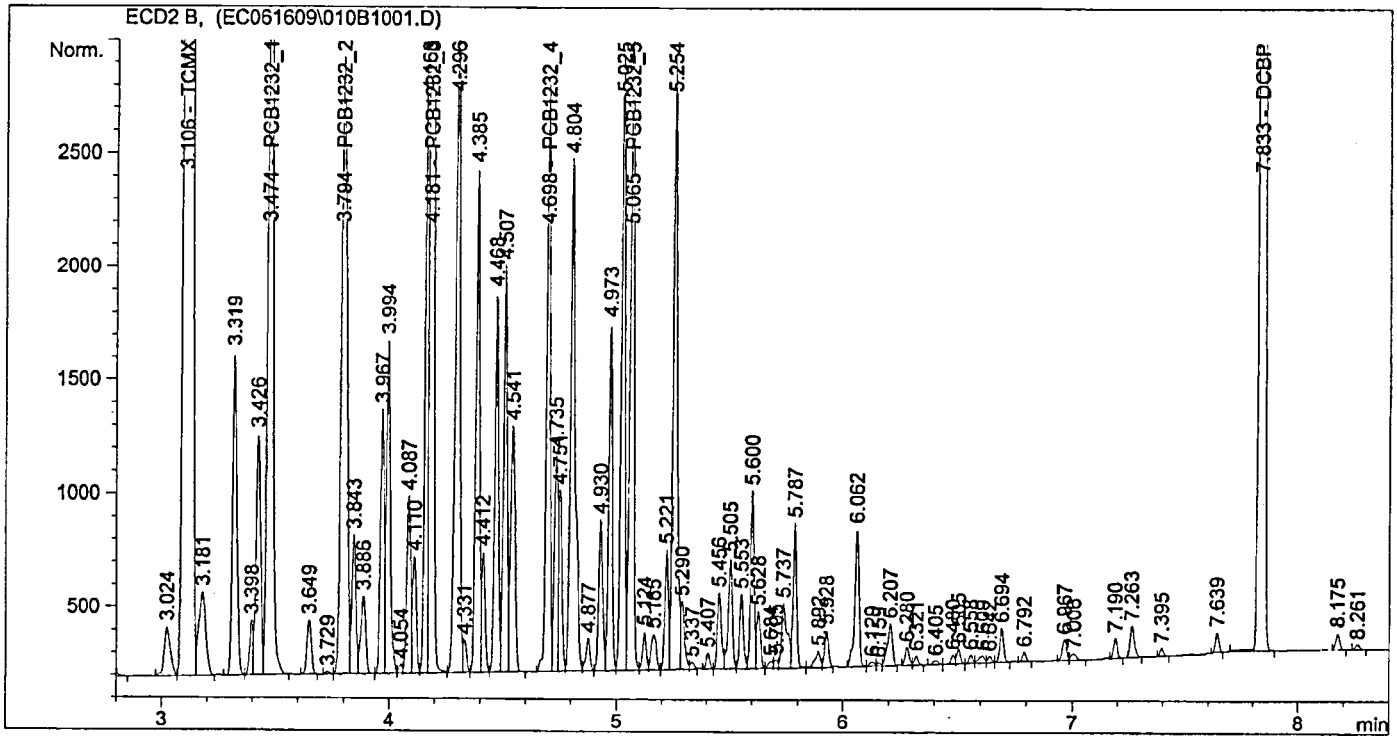
BWS
6.17.09

```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 4:36:37 PM          Seq. Line :  10
Sample Name     : A1232 x2000 ICAL               Location : Vial 10
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:21:24 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:21:22 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	3.07829e4	6.60592e-3	203.34925		TCMX
3.474	VB	5829.13086	3.47485e-1	2025.53436		PCB1232_1
3.794	VV	4788.60791	4.23154e-1	2026.31672		PCB1232_2
4.181	VV	7059.39648	2.64861e-1	1869.75795		PCB1232_3
4.698	PV	2918.44727	6.95111e-1	2028.64335		PCB1232_4
5.065	VV	3467.22461	5.85284e-1	2029.31203		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	3.08501e4	6.61224e-3	203.98829		DCBP

Totals : 1.03869e4

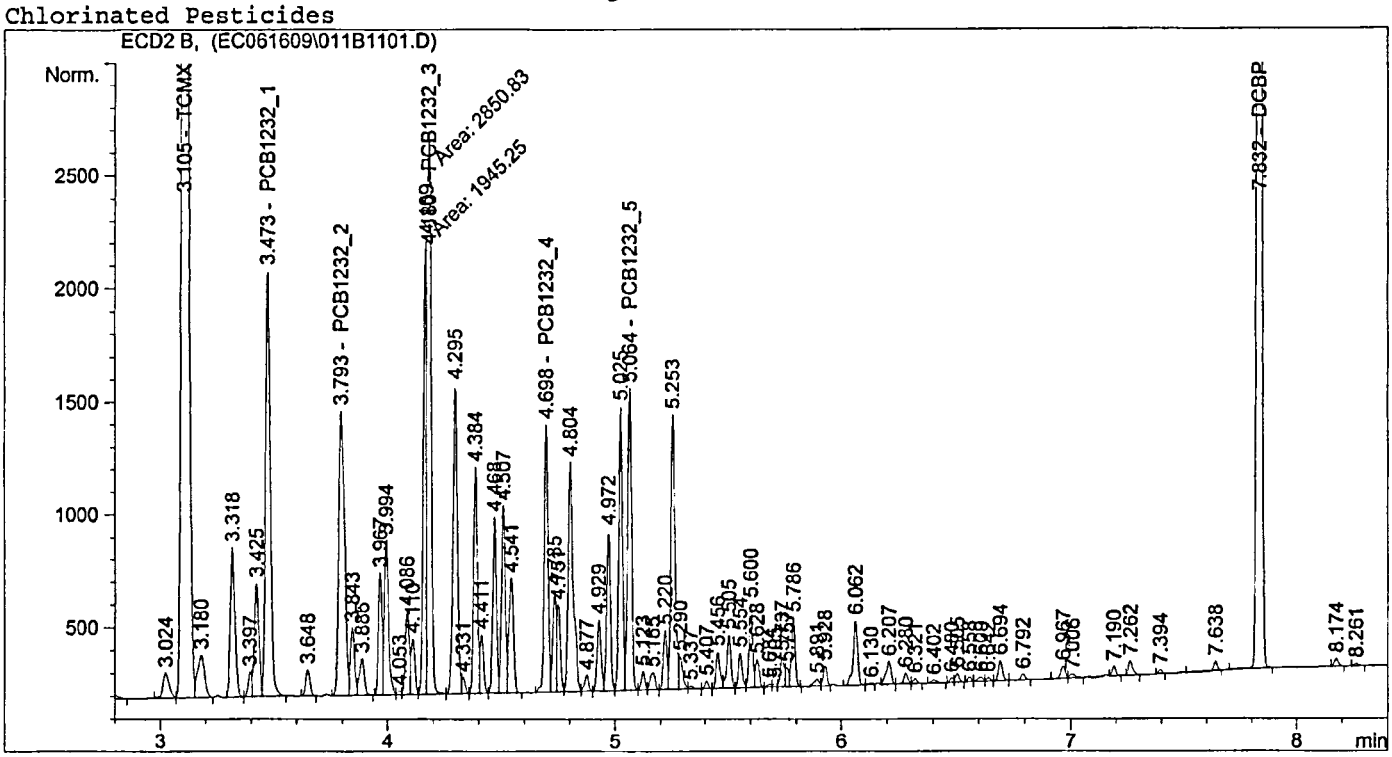
BWS
6-17-09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Data File C:\HPCHEM\1\DATA\EC061609\011B1101.D

```
==================================================================
Injection Date  : 6/16/2009 4:49:25 PM          Seq. Line :  11
Sample Name     : A1232 x1000 ICAL               Location : Vial 11
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:22:06 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:22:04 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

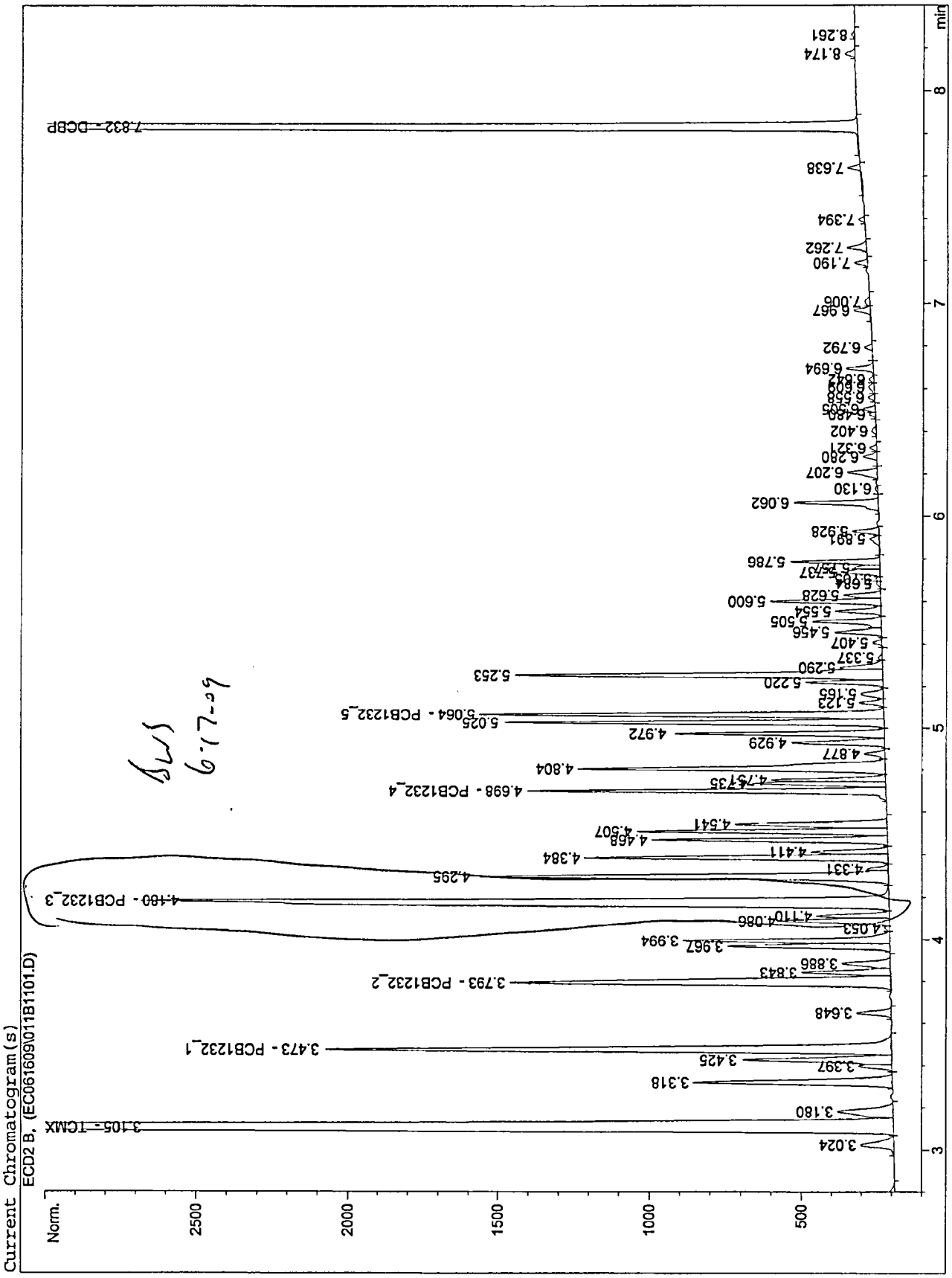
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	1.38047e4	6.81644e-3	94.09862		TCMX
3.473	VB	2691.67798	3.52963e-1	950.06210		PCB1232_1
3.793	VV	2218.20874	4.27105e-1	947.40858		PCB1232_2
4.180	FM	2850.83032	2.82281e-1	804.73630		PCB1232_3
4.698	PV	1341.82825	7.04198e-1	944.91323		PCB1232_4
5.064	VV	1594.22424	5.92052e-1	943.86407		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	1.36127e4	6.81968e-3	92.83438		DCBP

BWS
6-17-09

Totals : 4777.91728

Results obtained with enhanced integrator!
1 Warnings or Errors :

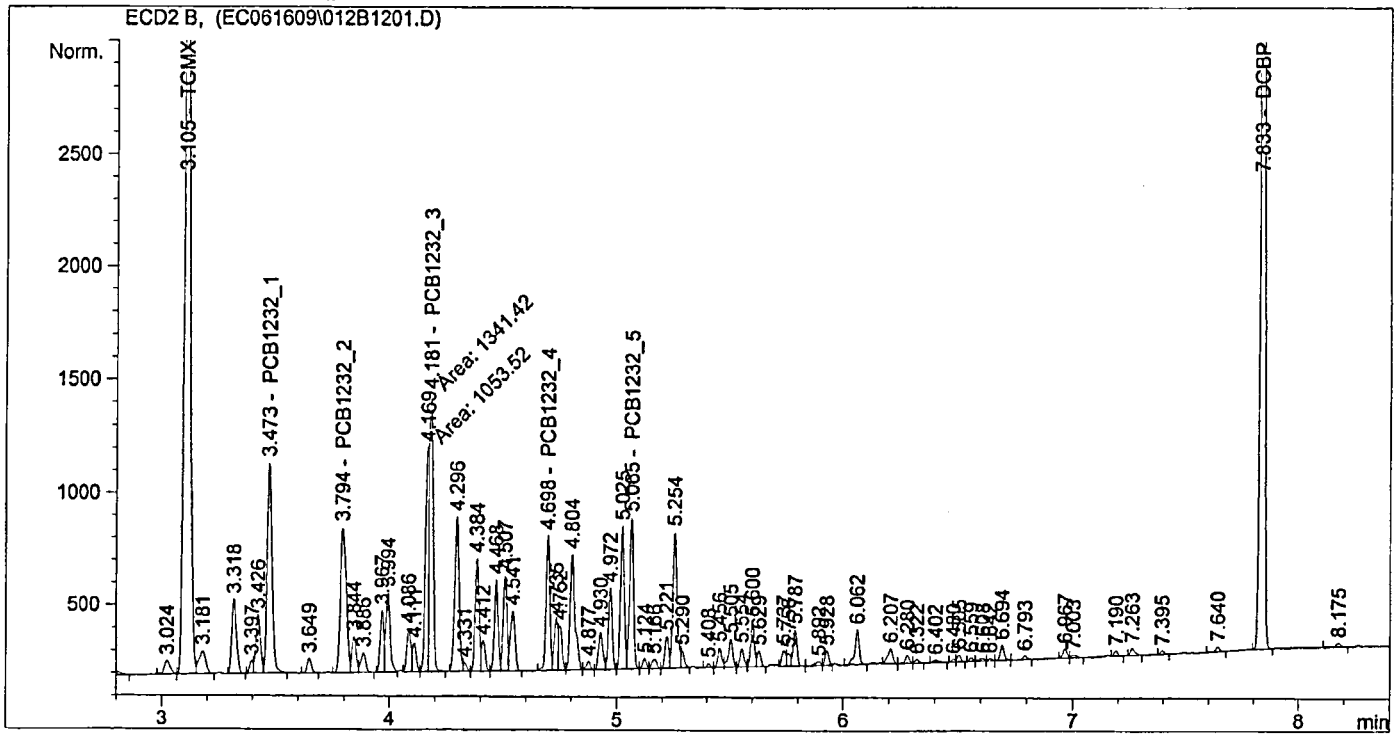
ECD2 6/17/2009 10:22:06 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\011B1101.D)
Norm.
2500
2000
1500
1000
500
3.024
3.105 - TCMX
3.180
3.318
3.397
3.425
3.473 - PCB1232_1
3.648
3.793 - PCB1232_2
3.843
3.886
3.967
3.994
4.053
4.086
4.110
4.180 - PCB1232_3
4.295
4.331
4.384
4.411
4.458
4.507
4.541
4.698 - PCB1232_4
4.735
4.804
4.877
4.929
4.972
5.025
5.064 - PCB1232_5
5.123
5.165
5.220
5.253
5.290
5.337
5.407
5.456
5.505
5.554
5.600
5.628
5.684
5.737
5.786
5.891
5.928
6.062
6.130
6.207
6.280
6.321
6.402
6.480
6.505
6.558
6.609
6.642
6.694
6.792
6.967
7.006
7.190
7.262
7.394
7.638
7.832 - DCBP
8.174
8.261
min
3
4
5
6
7
8

Data File C:\HPCHEM\1\DATA\EC061609\012B1201.D

```
==================================================================
Injection Date  : 6/16/2009 5:02:18 PM          Seq. Line :  12
Sample Name     : A1232 x500 ICAL                Location : Vial 12
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:22:55 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:22:52 AM
Multiplier             :      1.0000
Dilution               :      1.0000
```

Signal 1: ECD2 B,

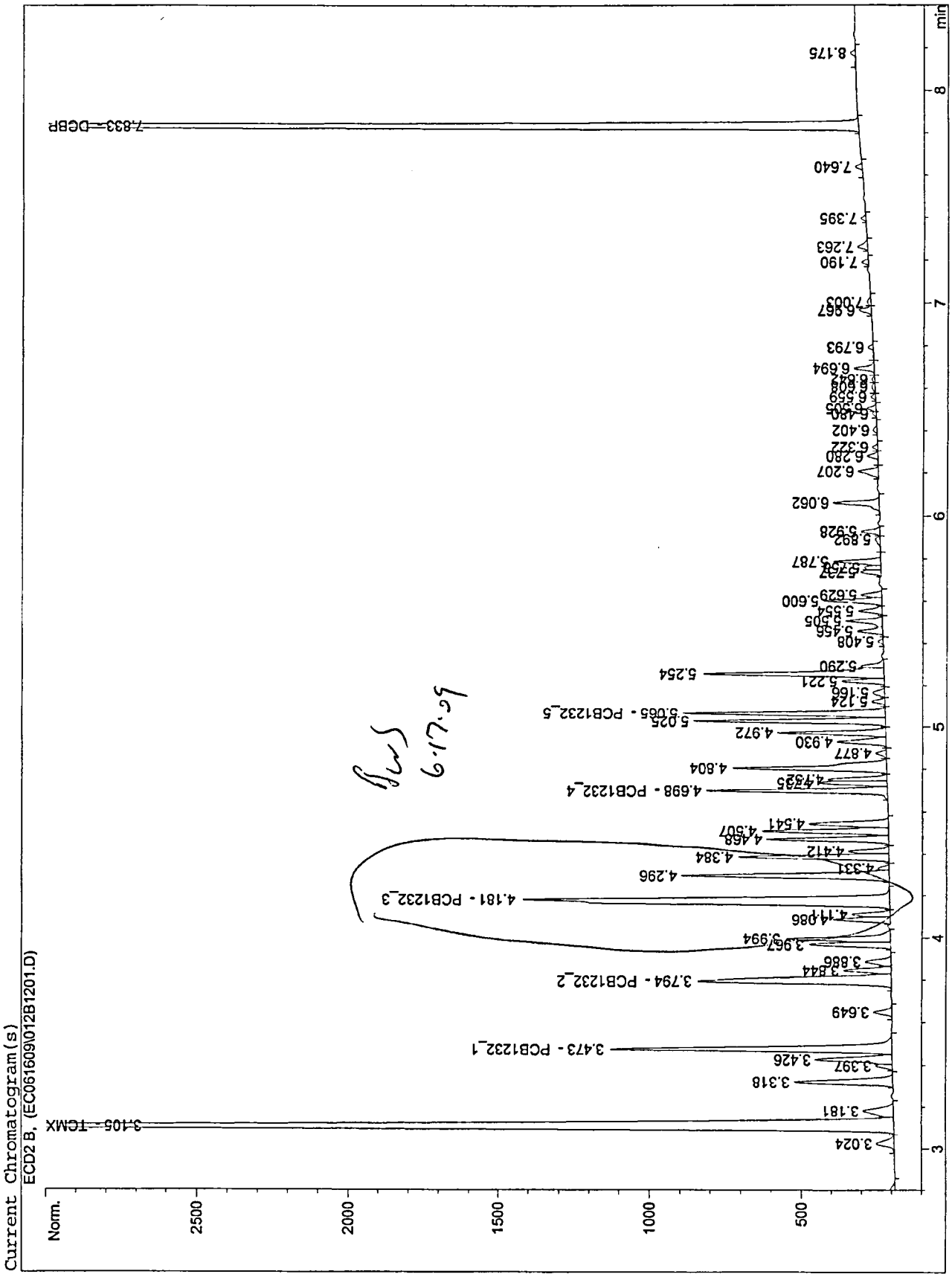
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	6693.57910	7.22193e-3	48.34053		TCMX
3.473	VB	1370.64856	3.62772e-1	497.23283		PCB1232_1
3.794	VV	1150.08057	4.33942e-1	499.06881		PCB1232_2
4.181	FM	1341.41992	3.06857e-1	411.62403		PCB1232_3
4.698	BV	687.42407	7.20213e-1	495.09149		PCB1232_4
5.065	VV	817.45380	6.03957e-1	493.70725		PCB1232_5
6.889		-	-	-		DBC
7.833	BB	6673.33350	7.20574e-3	48.08628		DCBP

BWS
6.17.09

Totals : 2493.15122

Results obtained with enhanced integrator!
1 Warnings or Errors :

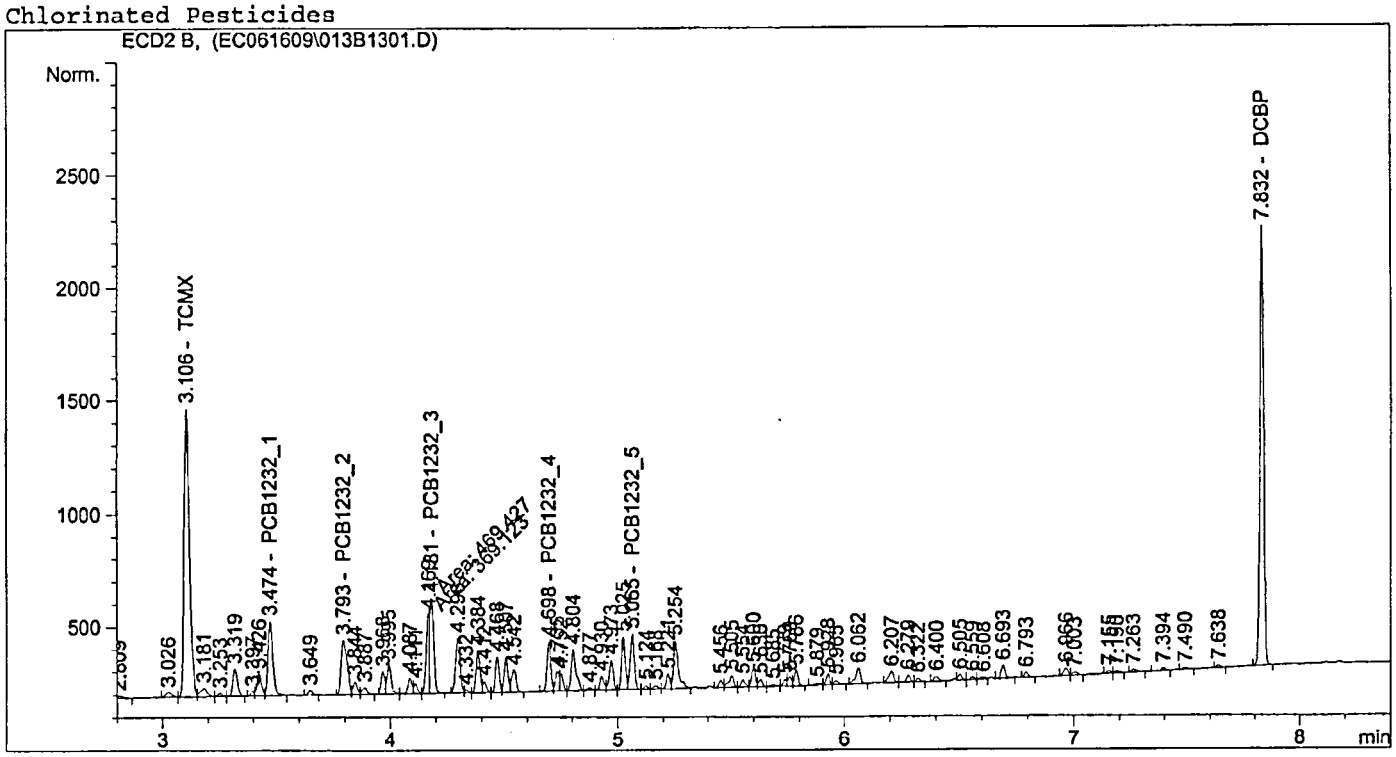
ECD2 6/17/2009 10:22:55 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\012B1201.D)
Nom.
2500
2000
1500
1000
500
3.024
3.105 - TCMX
3.181
3.318
3.397
3.426
3.473 - PCB1232_1
3.649
3.794 - PCB1232_2
3.844
3.886
3.967
3.994
4.086
4.181 - PCB1232_3
4.296
4.331
4.384
4.412
4.468
4.507
4.541
4.698 - PCB1232_4
4.735
4.804
4.877
4.930
4.972
5.025
5.065 - PCB1232_5
5.124
5.166
5.221
5.254
5.290
5.408
5.455
5.505
5.554
5.600
5.629
5.787
5.892
5.928
6.062
6.207
6.280
6.322
6.402
6.480
6.505
6.559
6.608
6.642
6.694
6.793
6.867
7.003
7.190
7.263
7.395
7.640
7.833 - DCBP
8.175
min
3
4
5
6
7
8

Data File C:\HPCHEM\1\DATA\EC061609\013B1301.D

```
==================================================================
Injection Date  : 6/16/2009 5:15:06 PM          Seq. Line :  13
Sample Name     : A1232 x200 ICAL                Location : Vial 13
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:23:32 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:23:30 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2110.25537	8.93160e-3	18.84795		TCMX
3.474	VB	486.65030	3.99078e-1	194.21135		PCB1232_1
3.793	BV	427.34033	4.57957e-1	195.70335		PCB1232_2
4.181	FM	469.42694	3.87568e-1	181.93497		PCB1232_3
4.698	PV	247.69260	7.78508e-1	192.83062		PCB1232_4
5.065	VB	301.99167	6.45663e-1	194.98477		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	2197.49219	8.74824e-3	19.22420		DCBP

BWS
6.17.09

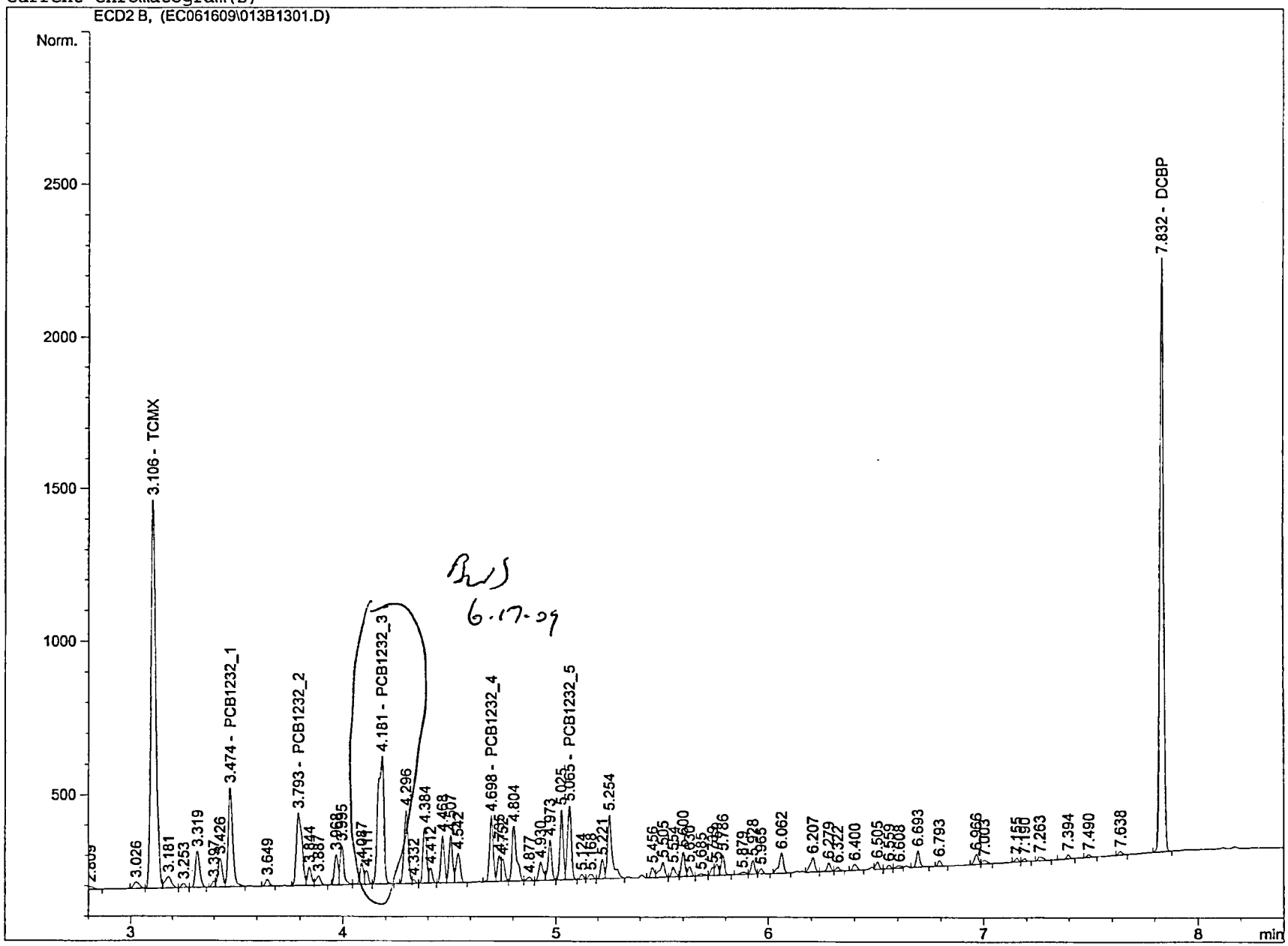
Totals : 997.73721

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:23:32 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

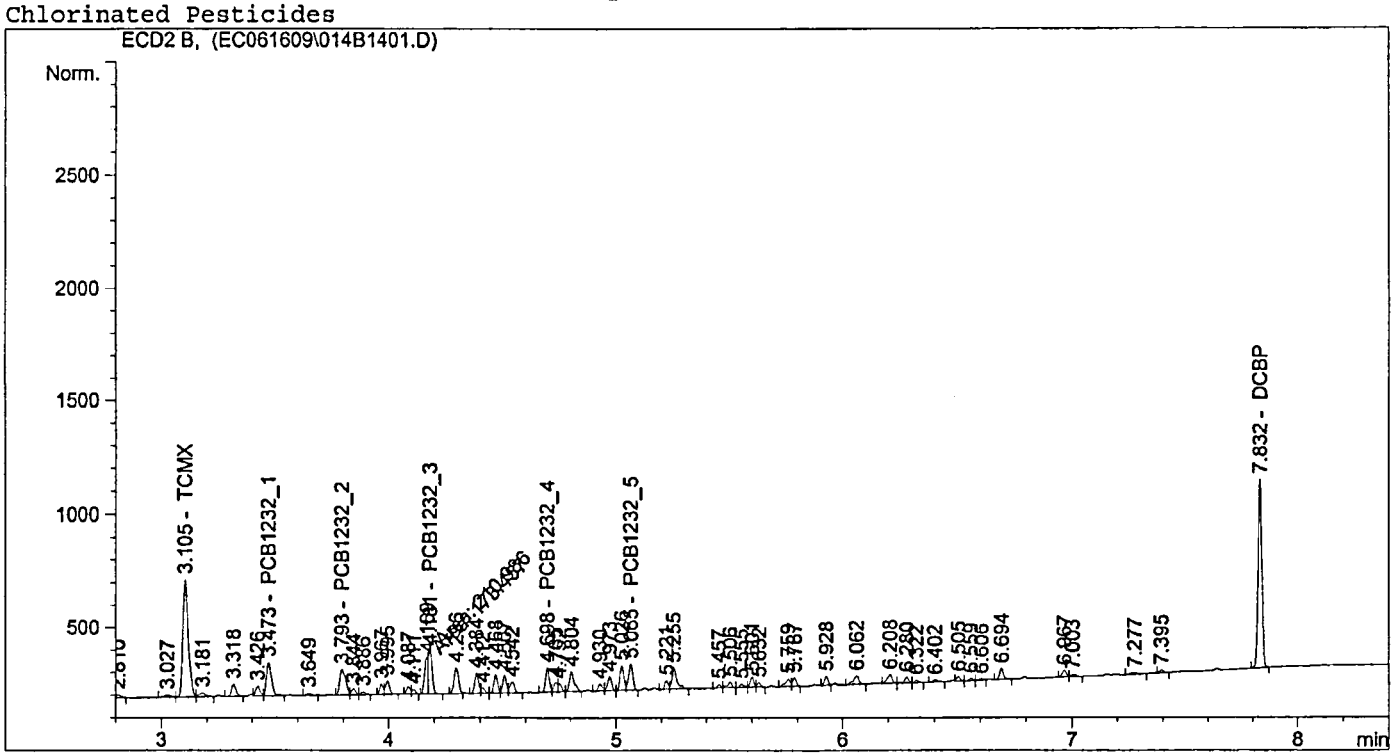


ECD2 6/17/2009 10:23:10 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\014B1401.D

```
==================================================================
Injection Date  : 6/16/2009 5:28:05 PM          Seq. Line :  14
Sample Name     : A1232 x100 ICAL                Location : Vial 14
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:24:15 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:13 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	860.78107	1.25559e-2	10.80789		TCMX
3.473	VB	216.28876	4.69444e-1	101.53543		PCB1232_1
3.793	BV	200.24164	5.01295e-1	100.38017		PCB1232_2
4.181	FM	210.98586	5.72392e-1	120.76666		PCB1232_3
4.698	BV	116.21473	8.81608e-1	102.45588		PCB1232_4
5.065	VV	142.00189	7.20180e-1	102.26692		PCB1232_5
6.889		-	-	-		DBC
7.832	BB	938.60114	1.18329e-2	11.10635		DCBP
Totals :				549.31928		

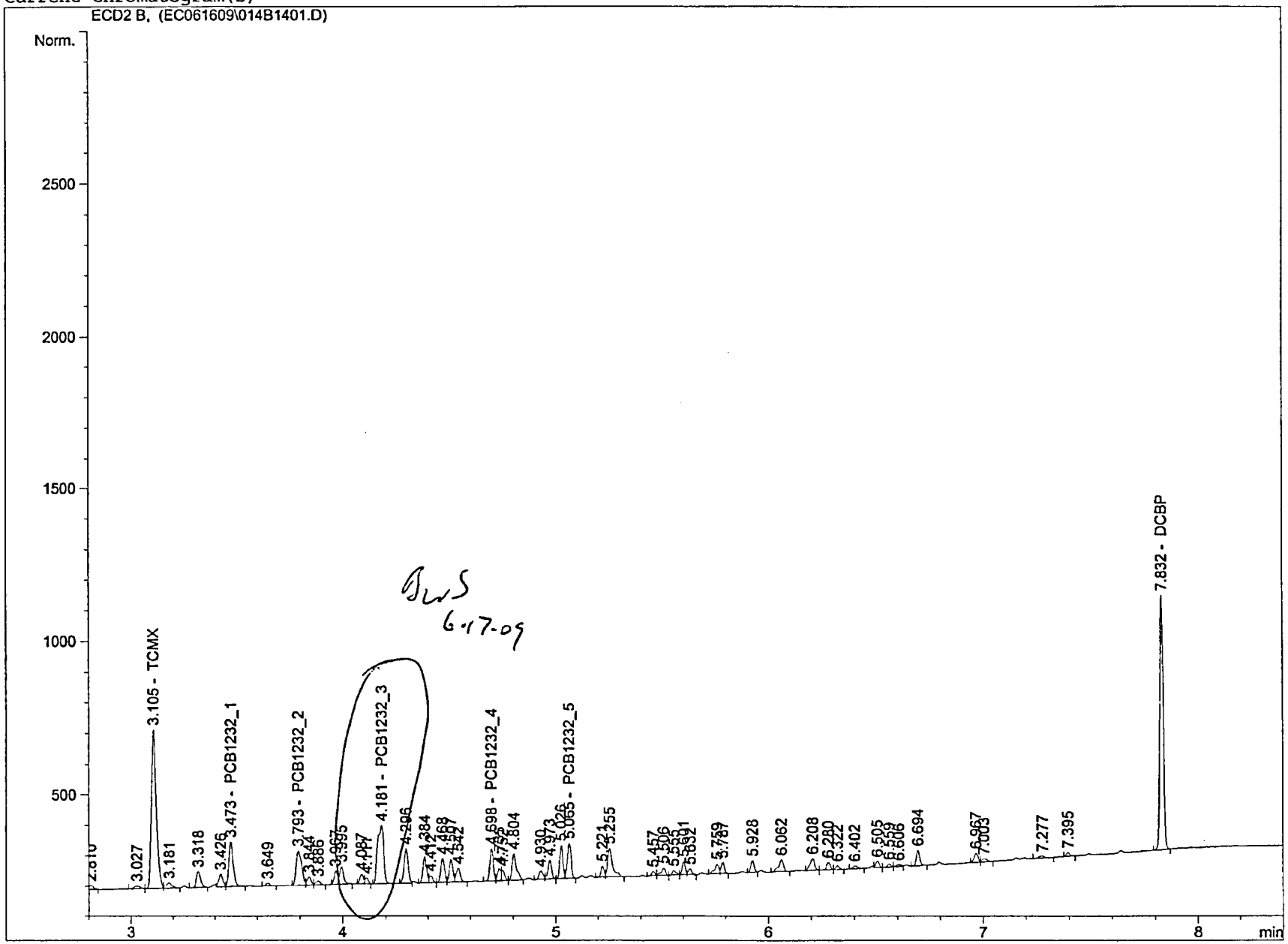
BWS
6-17-09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :
```

ECD2 6/17/2009 10:24:15 AM BWS

Print of window 38: Current Chromatogram(s)

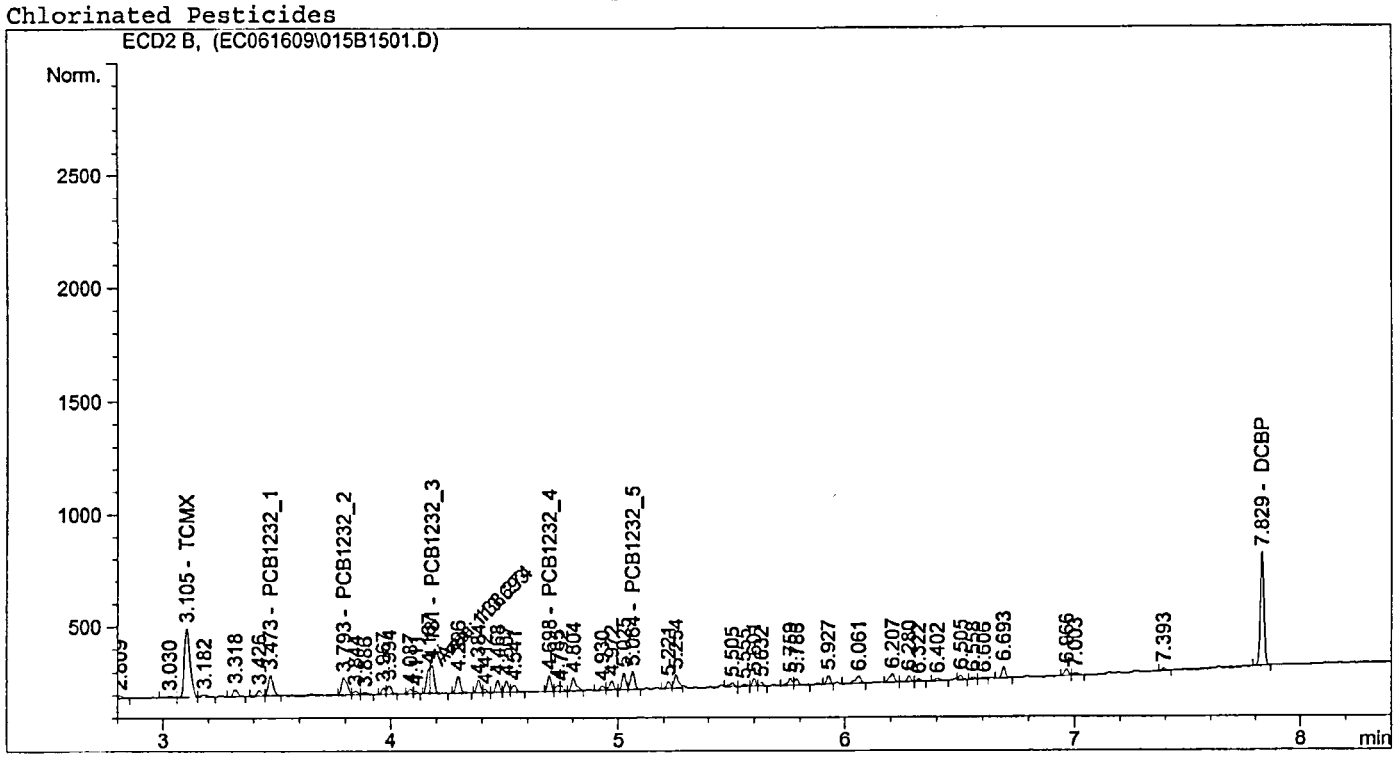
Current Chromatogram(s)



ECD2 6/17/2009 10:23:55 AM BWS

Data File C:\HPCHEM\1\DATA\EC061609\015B1501.D

```
==================================================================
Injection Date  : 6/16/2009 5:40:58 PM          Seq. Line :  15
Sample Name     : A1232 x40 ICAL                 Location : Vial 15
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/17/2009 10:25:01 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.105	VV	510.78622	1.67502e-2	8.55576		TCMX
3.473	VB	128.44514	5.56066e-1	71.42394		PCB1232_1
3.793	BV	130.53764	5.44842e-1	71.12238		PCB1232_2
4.181	FM	138.27422	7.88967e-1	109.09385		PCB1232_3
4.698	BV	77.82170	9.77432e-1	76.06543		PCB1232_4
5.064	VV	96.44386	7.86623e-1	75.86496		PCB1232_5
6.889		-	-	-		DBC
7.829	BB	574.81494	1.52406e-2	8.76050		DCBP

BWS
6.17.09

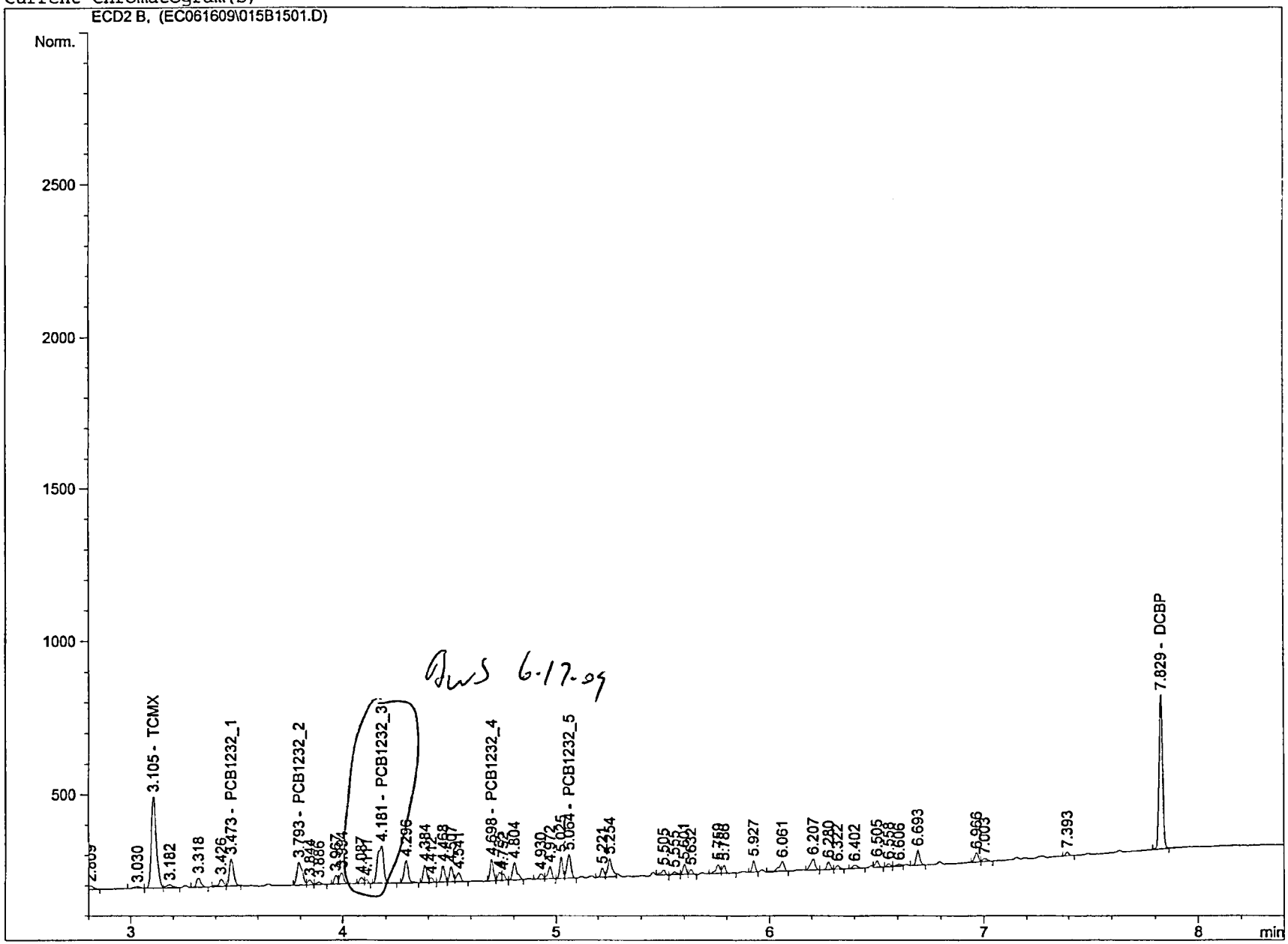
Totals : 420.88682

Results obtained with enhanced integrator!
1 Warnings or Errors :

ECD2 6/17/2009 10:25:01 AM BWS

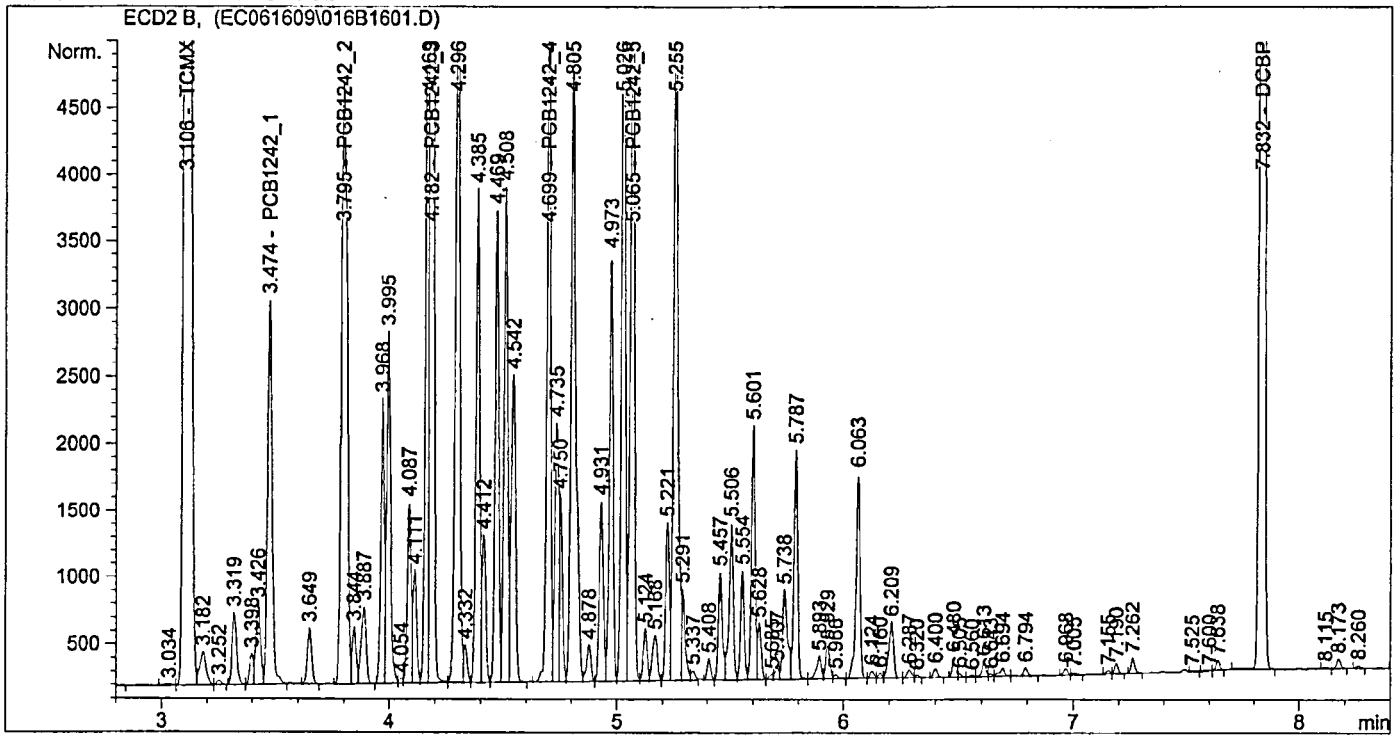
Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)



ECD2 6/17/2009 10:24:40 AM BWS

```
==================================================================
Injection Date  : 6/16/2009 5:53:50 PM          Seq. Line :  16
Sample Name     : A1242 x2000 ICAL               Location : Vial 16
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier            :      1.0000
Dilution              :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	2.92767e4	6.85742e-3	200.76221		TCMX
3.474	VV	3962.70728	5.03467e-1	1995.09090		PCB1242_1
3.795	VV	7946.29199	2.51169e-1	1995.86526		PCB1242_2
4.182	VV	1.24689e4	1.59461e-1	1988.29808		PCB1242_3
4.699	VV	5915.20605	3.38749e-1	2003.76734		PCB1242_4
5.065	VV	7151.57080	2.80370e-1	2005.08372		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2.90941e4	6.91610e-3	201.21788		DCBP

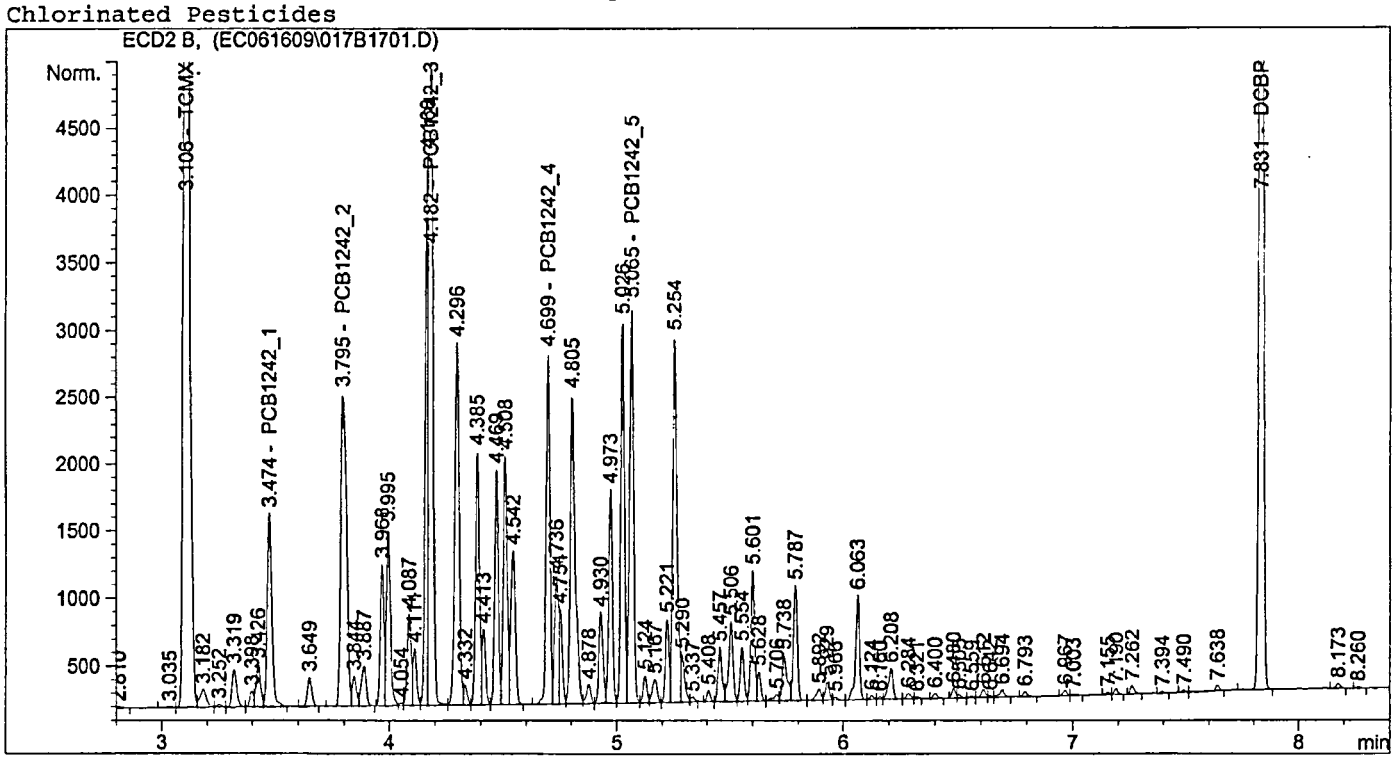
BWS
6.17.09

Totals : 1.03901e4

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:06:49 PM          Seq. Line :  17
Sample Name     : A1242 x1000 ICAL               Location : Vial 17
Acq. Operator   : BWS                                 Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.43929e4	6.97046e-3	100.32491		TCMX
3.474	VV	2033.83032	5.02091e-1	1021.16886		PCB1242_1
3.795	BV	4071.44067	2.50321e-1	1019.16534		PCB1242_2
4.182	VV	6488.69141	1.60779e-1	1043.24213		PCB1242_3
4.699	VV	2958.26978	3.40681e-1	1007.82652		PCB1242_4
5.065	VV	3563.59204	2.82173e-1	1005.54971		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	1.41855e4	7.01620e-3	99.52838		DCBP

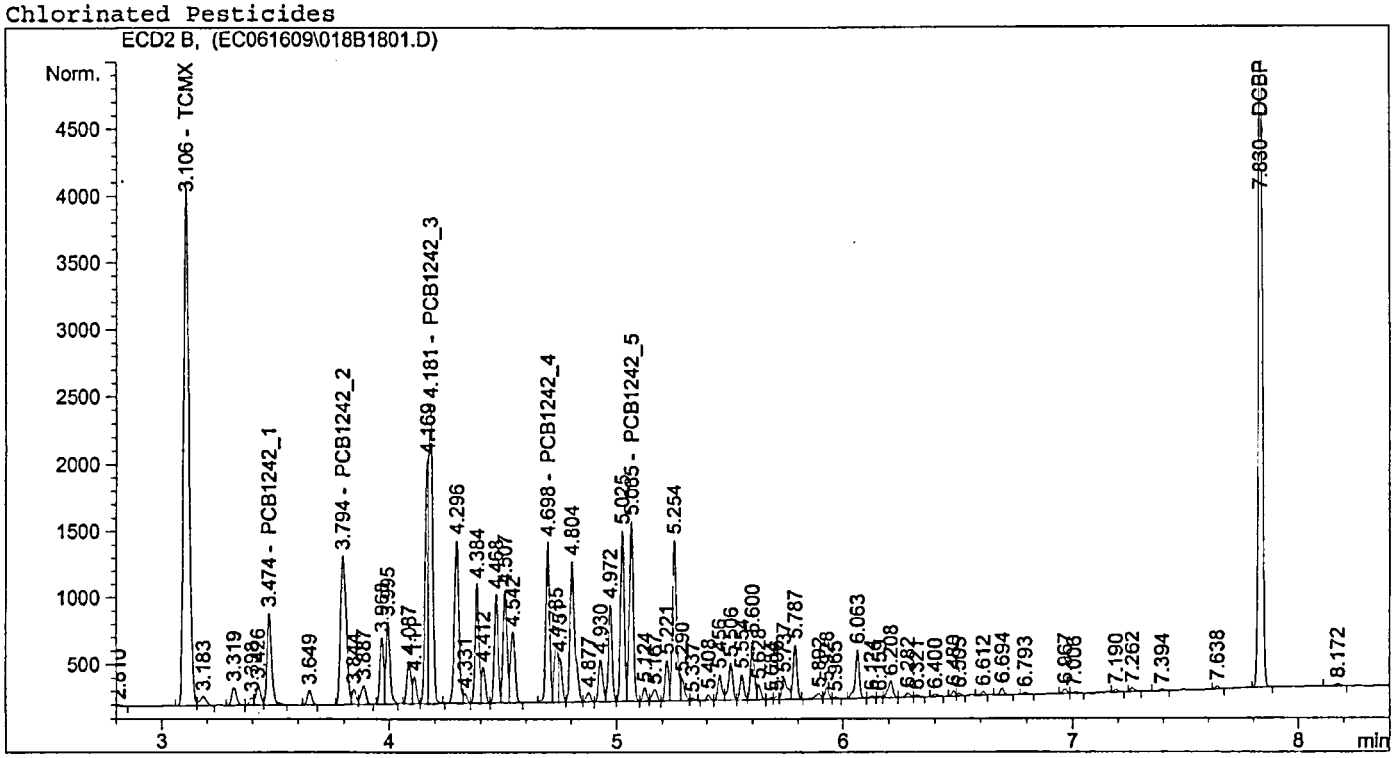
Totals : 5296.80584

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 6:19:35 PM          Seq. Line :  18
Sample Name     : A1242 x500 ICAL                Location : Vial 18
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	6394.96143	7.24856e-3	46.35427		TCMX
3.474	VB	960.01599	4.98931e-1	478.98215		PCB1242_1
3.794	BV	1938.76562	2.48406e-1	481.60057		PCB1242_2
4.181	VB	2829.96143	1.64330e-1	465.04890		PCB1242_3
4.698	BV	1360.82581	3.45219e-1	469.78325		PCB1242_4
5.065	VV	1634.49902	2.86415e-1	468.14573		PCB1242_5
6.888		-	-	-		DBC
7.830	BB	6329.30811	7.25866e-3	45.94230		DCBP

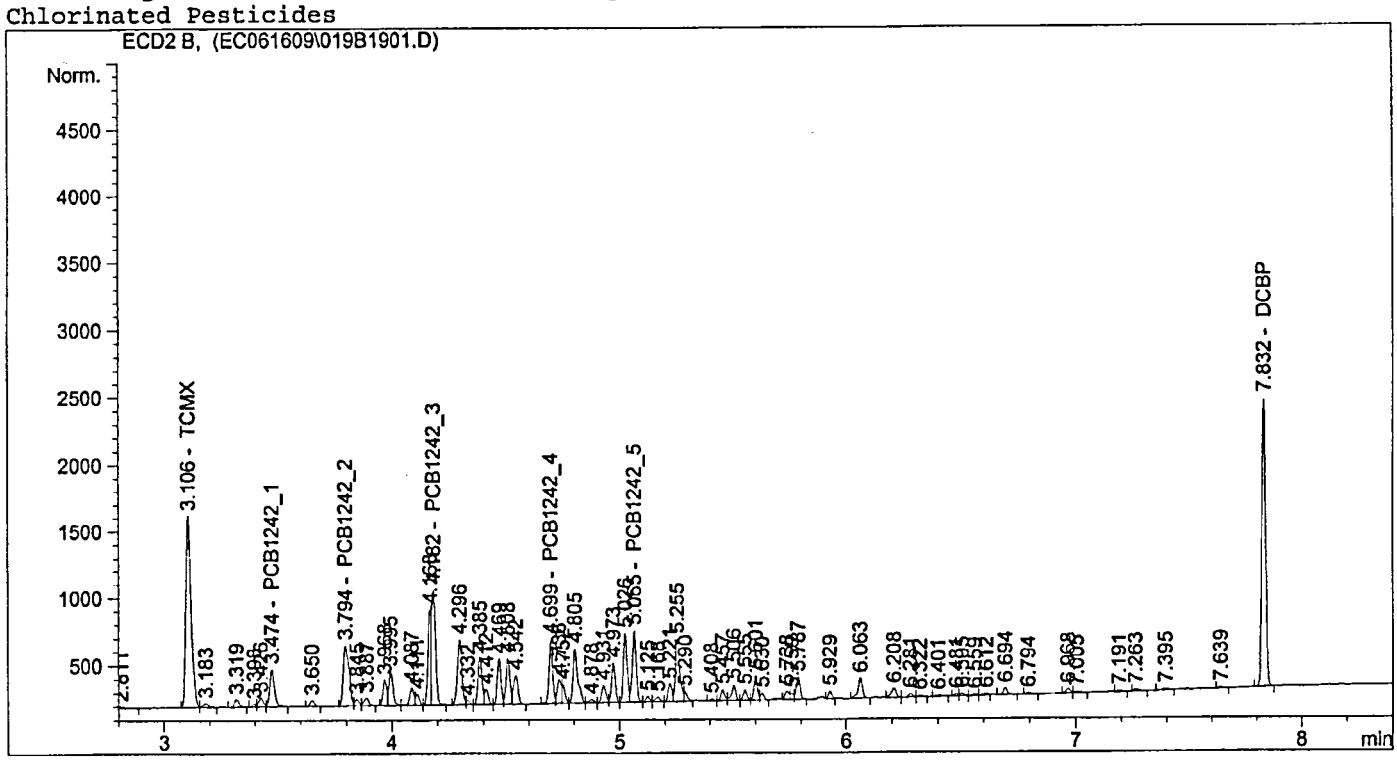
Totals : 2455.85717

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 6:32:31 PM          Seq. Line :  19
Sample Name     : A1242 x200 ICAL                Location : Vial 19
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	2328.82739	8.12237e-3	18.91559		TCMX
3.474	VB	395.39301	4.90385e-1	193.89462		PCB1242_1
3.794	BV	780.13617	2.42977e-1	189.55496		PCB1242_2
4.182	VB	1045.23547	1.75087e-1	183.00664		PCB1242_3
4.699	BV	536.12469	3.58147e-1	192.01145		PCB1242_4
5.065	VV	648.73181	2.98324e-1	193.53211		PCB1242_5
6.888		-	-	-		DBC
7.832	BB	2407.47168	7.97184e-3	19.19199		DCBP

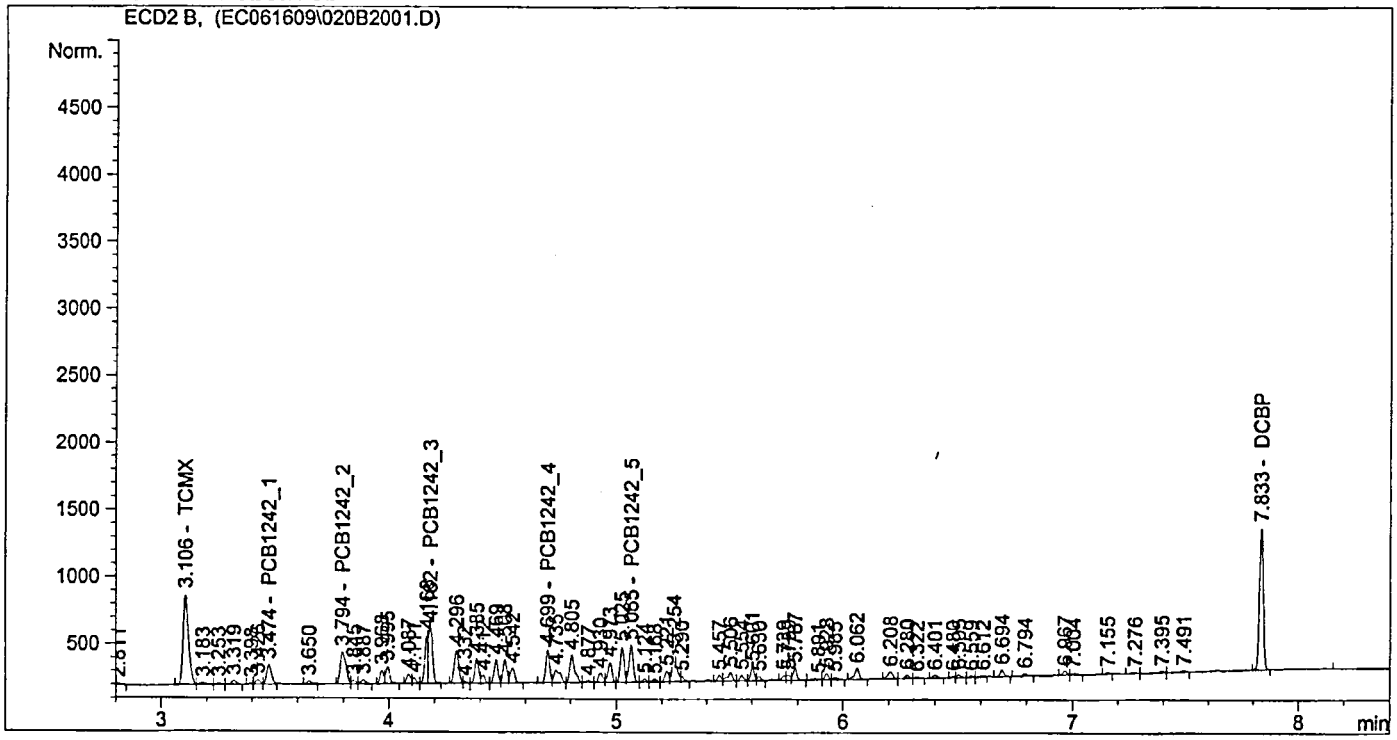
Totals : 990.10736

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 6:45:23 PM          Seq. Line :  20
Sample Name     : A1242 x100 ICAL                Location : Vial 20
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

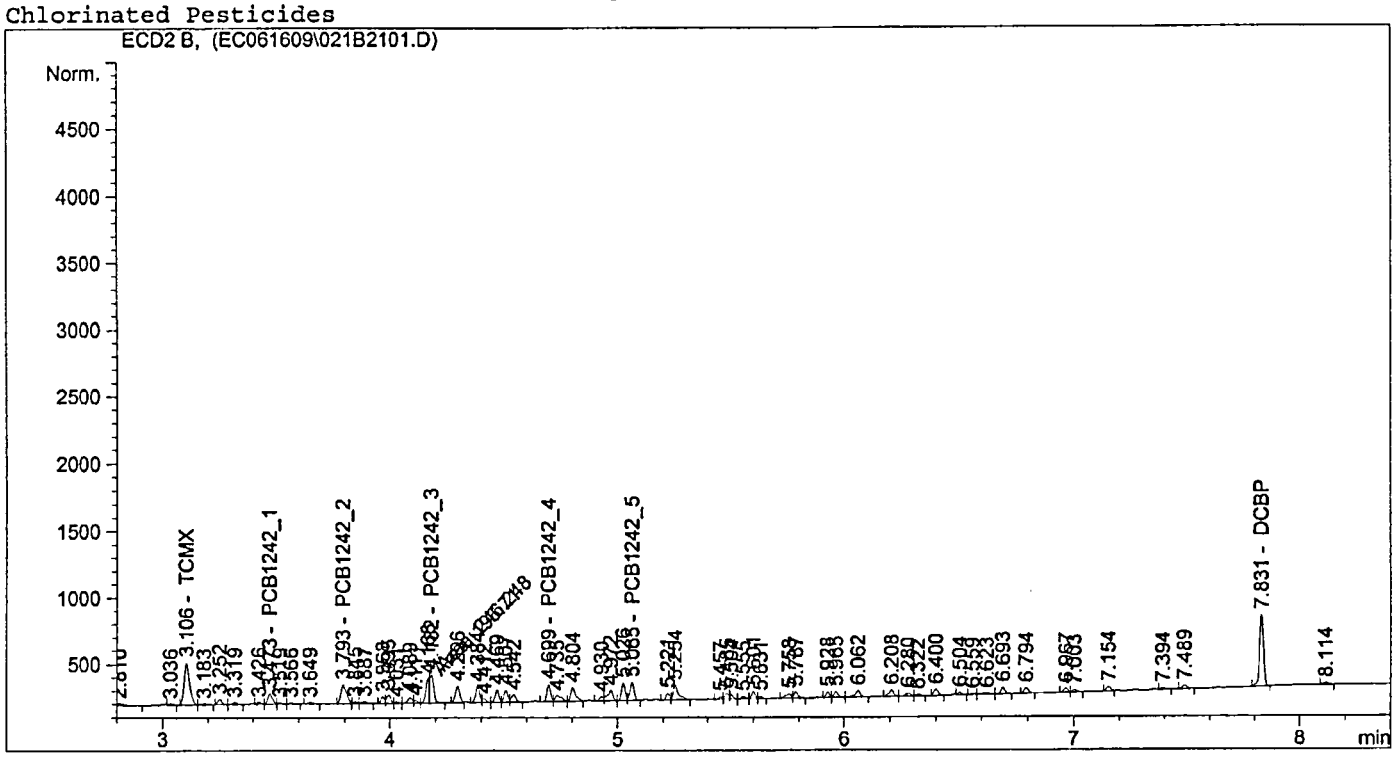
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1118.03540	9.61065e-3	10.74505		TCMX
3.474	VV	207.61044	4.77240e-1	99.08008		PCB1242_1
3.794	BV	414.28751	2.34954e-1	97.33869		PCB1242_2
4.182	VB	543.15674	1.90852e-1	103.66257		PCB1242_3
4.699	VV	276.82047	3.78129e-1	104.67387		PCB1242_4
5.065	VV	336.67703	3.16625e-1	106.60033		PCB1242_5
6.888		-	-	-		DBC
7.833	BB	1210.19702	9.11054e-3	11.02554		DCBP
Totals :				533.12613		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 6:58:15 PM          Seq. Line :  21
Sample Name     : A1242 x40 ICAL                 Location : Vial 21
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1242R.M
Last changed    : 6/17/2009 9:27:22 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:27:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

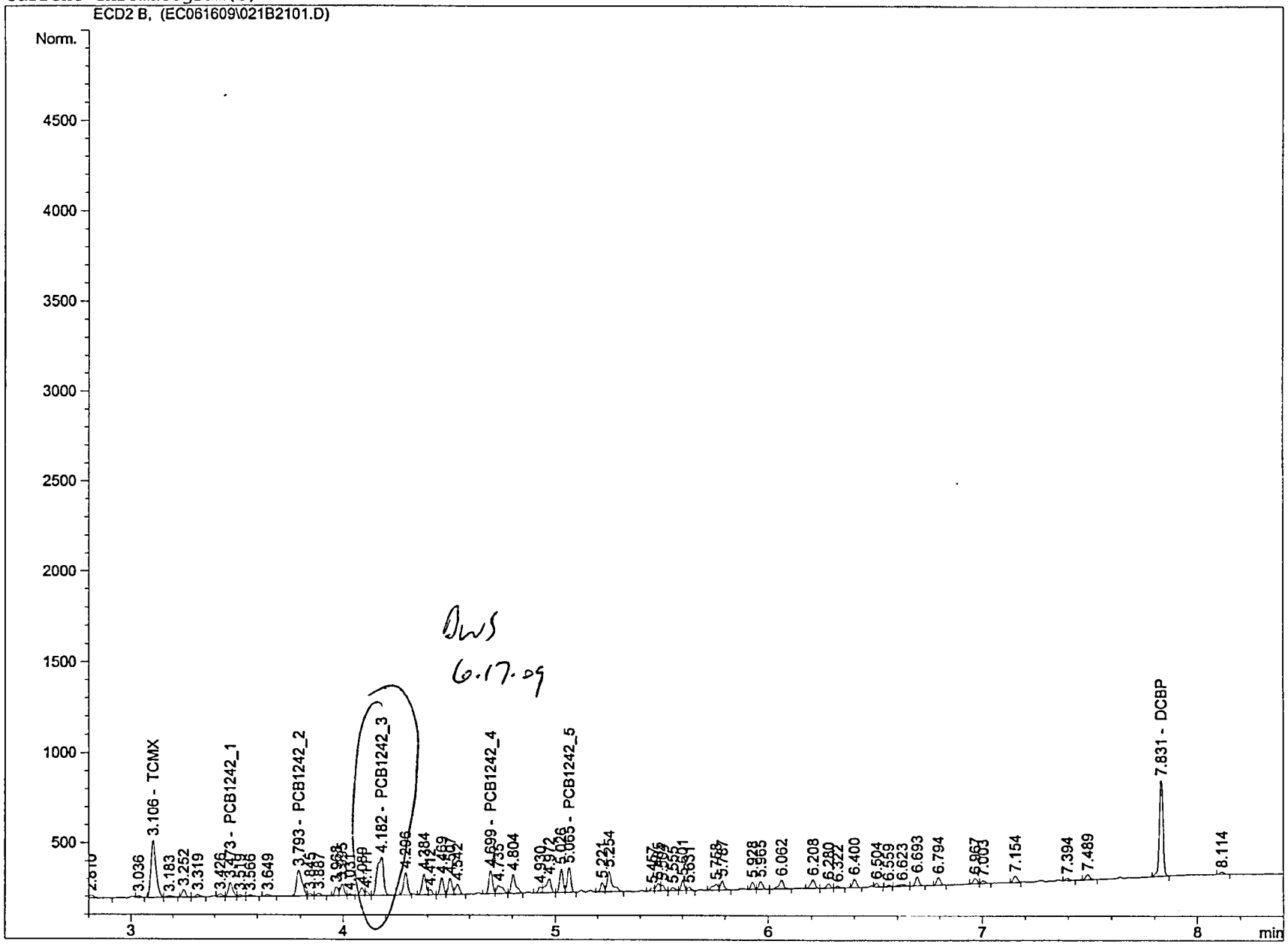
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	547.93732	1.25890e-2	6.89797		TCMX
3.473	VV	113.93815	4.54487e-1	51.78338		PCB1242_1
3.793	BV	252.17020	2.23957e-1	56.47519		PCB1242_2
4.182	FM	246.24762	2.30425e-1	56.74168		PCB1242_3
4.699	VV	149.93695	4.13091e-1	61.93758		PCB1242_4
5.065	VB	173.30504	3.52491e-1	61.08840		PCB1242_5
6.888		-	-	-		DBC
7.831	BB	633.78406	1.11929e-2	7.09391		DCBP
Totals :				302.01812		

BWS
6.17.09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :
```

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)

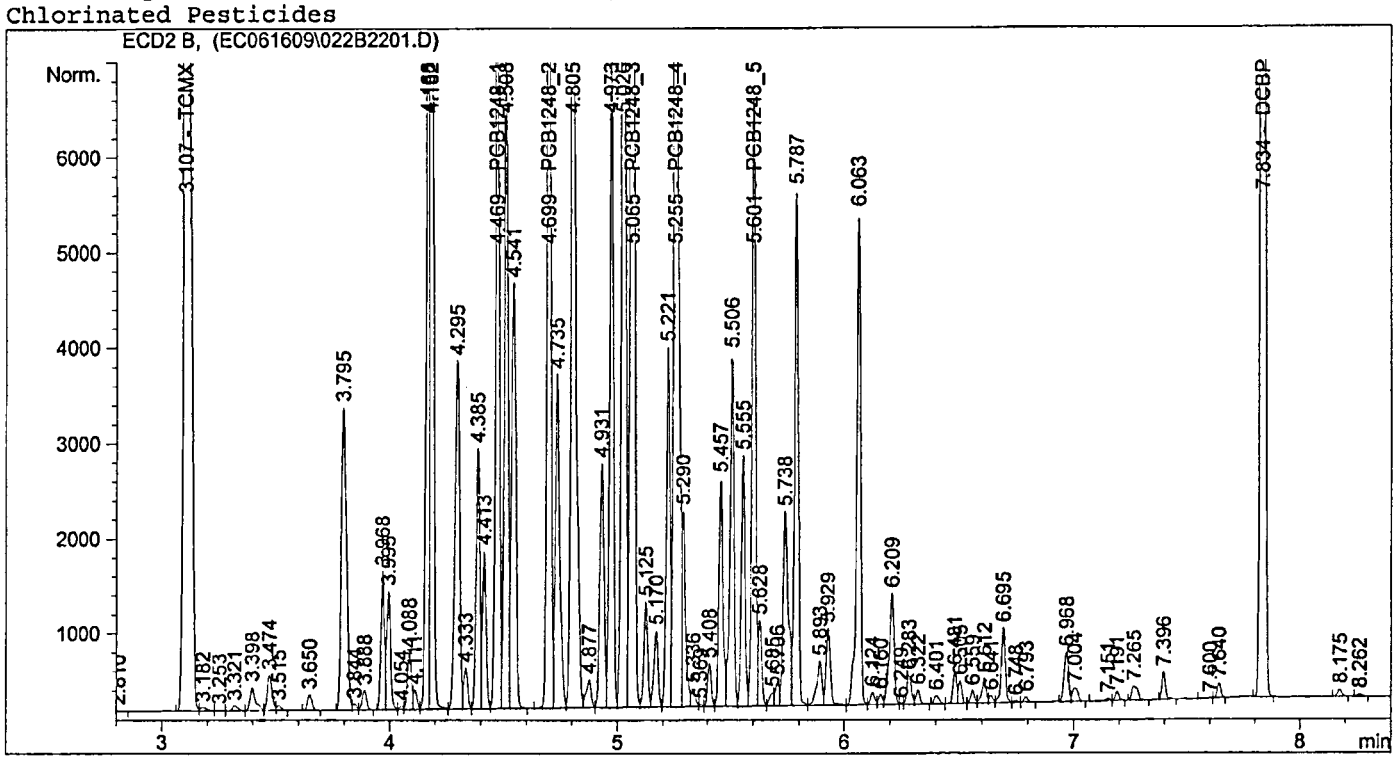


ECD2 6/17/2009 9:14:19 AM BWS

==========

Injection Date : 6/16/2009 7:11:15 PM Seq. Line : 22
Sample Name : A1248 x2000 ICAL Location : Vial 22
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	3.08251e4	6.58618e-3	203.01976		TCMX
4.469	VV	8806.67773	2.29913e-1	2024.77376		PCB1248_1
4.699	VV	1.18361e4	1.71744e-1	2032.77617		PCB1248_2
5.065	VV	1.71860e4	1.17833e-1	2025.08547		PCB1248_3
5.255	VV	1.71760e4	1.18112e-1	2028.69103		PCB1248_4
5.601	VV	7110.13770	2.85328e-1	2028.71889		PCB1248_5
6.887		-	-	-		DBC
7.834	VP	3.05506e4	6.65094e-3	203.19030		DCBP

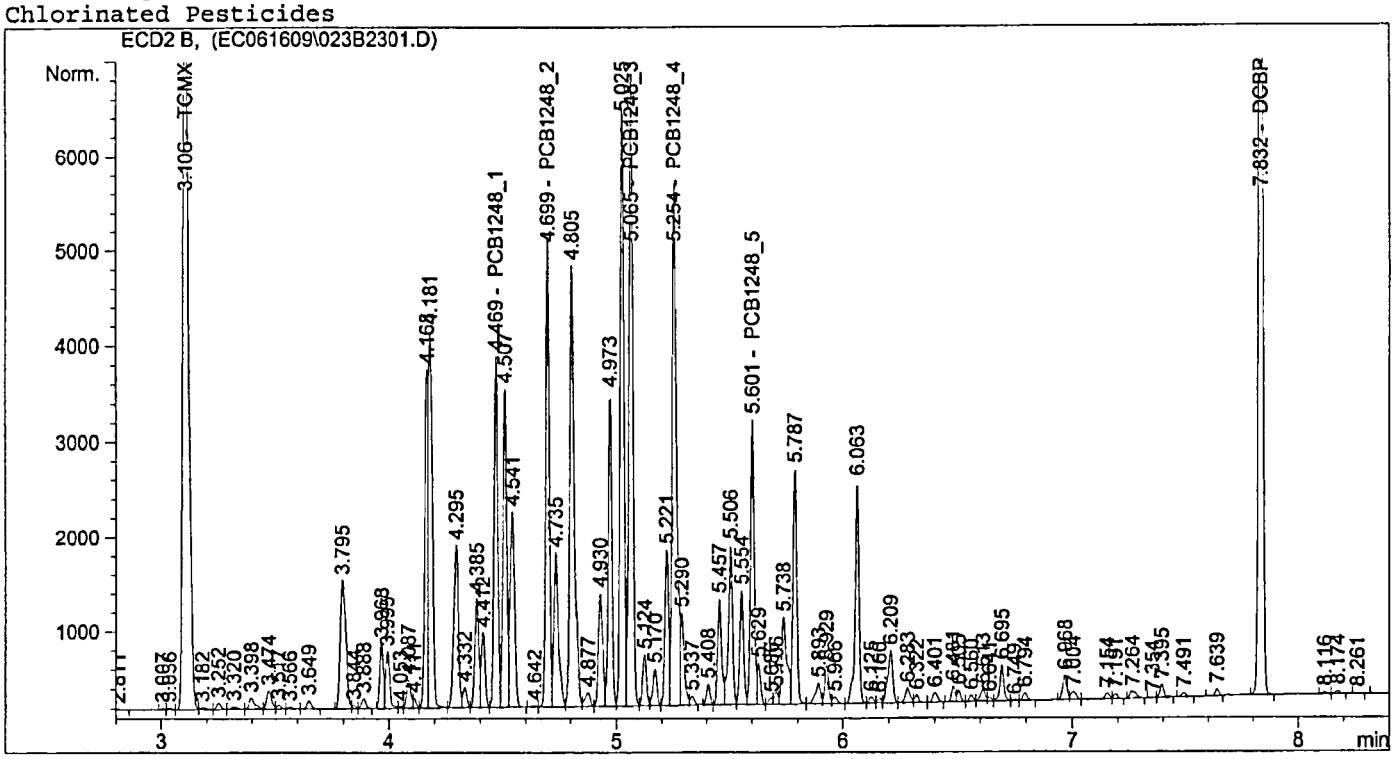
Totals : 1.05463e4

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 7:24:05 PM          Seq. Line :  23
Sample Name     : A1248 x1000 ICAL               Location : Vial 23
Acq. Operator   : BWS                                Inj :  1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VV	1.40913e4	6.80030e-3	95.82514		TCMX
4.469	VV	4111.20459	2.34822e-1	965.40007		PCB1248_1
4.699	VV	5394.39160	1.76085e-1	949.86968		PCB1248_2
5.065	VV	7994.77148	1.20778e-1	965.59574		PCB1248_3
5.254	VV	7896.04150	1.21496e-1	959.33850		PCB1248_4
5.601	VV	3272.71558	2.93019e-1	958.96702		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	1.39587e4	6.84358e-3	95.52761		DCBP

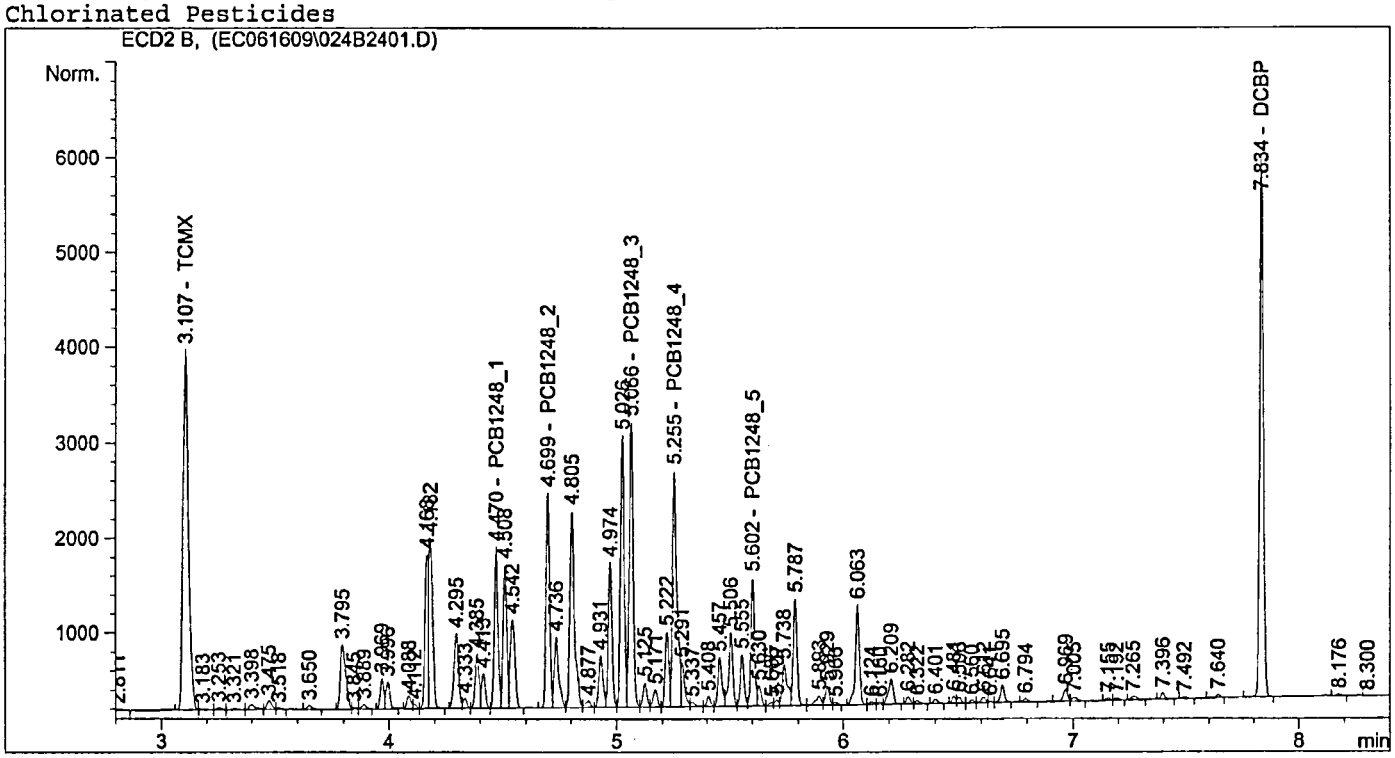
BWS
6.17.09

Totals : 4990.52377

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 7:37:02 PM          Seq. Line :  24
Sample Name     : A1248 x500 ICAL                Location : Vial 24
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

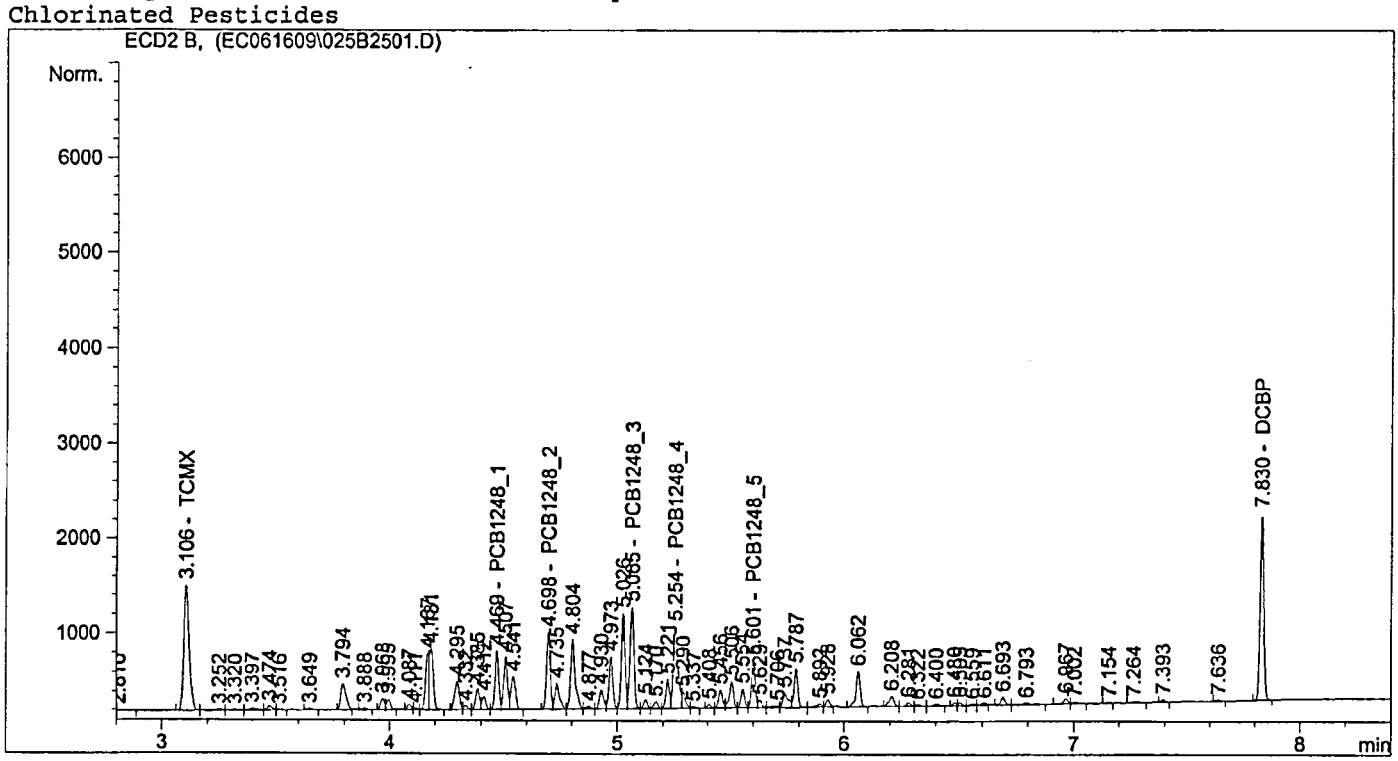
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.107	VV	6300.57422	7.28801e-3	45.91865		TCMX
4.470	VV	1901.68494	2.45518e-1	466.89717		PCB1248_1
4.699	VV	2512.91968	1.85230e-1	465.46735		PCB1248_2
5.066	VV	3658.34595	1.27306e-1	465.72899		PCB1248_3
5.255	VV	3585.53442	1.29026e-1	462.62656		PCB1248_4
5.602	VV	1494.21899	3.09980e-1	463.17845		PCB1248_5
6.887		-	-	-		DBC
7.834	BB	6299.68750	7.27482e-3	45.82909		DCBP
Totals :				2415.64627		

BWS
6-17-09

```
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found
```

```
==================================================================
Injection Date  : 6/16/2009 7:49:47 PM          Seq. Line :  25
Sample Name     : A1248 x200 ICAL                Location : Vial 25
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	VB	2148.92798	8.99228e-3	19.32375		TCMX
4.469	VV	701.99823	2.79529e-1	196.22870		PCB1248_1
4.698	PV	905.80774	2.15605e-1	195.29683		PCB1248_2
5.065	VV	1303.56958	1.49045e-1	194.29013		PCB1248_3
5.254	VV	1268.16577	1.54230e-1	195.58961		PCB1248_4
5.601	VV	535.51013	3.65858e-1	195.92075		PCB1248_5
6.887		-	-	-		DBC
7.830	BB	2213.60352	8.72560e-3	19.31501		DCBP

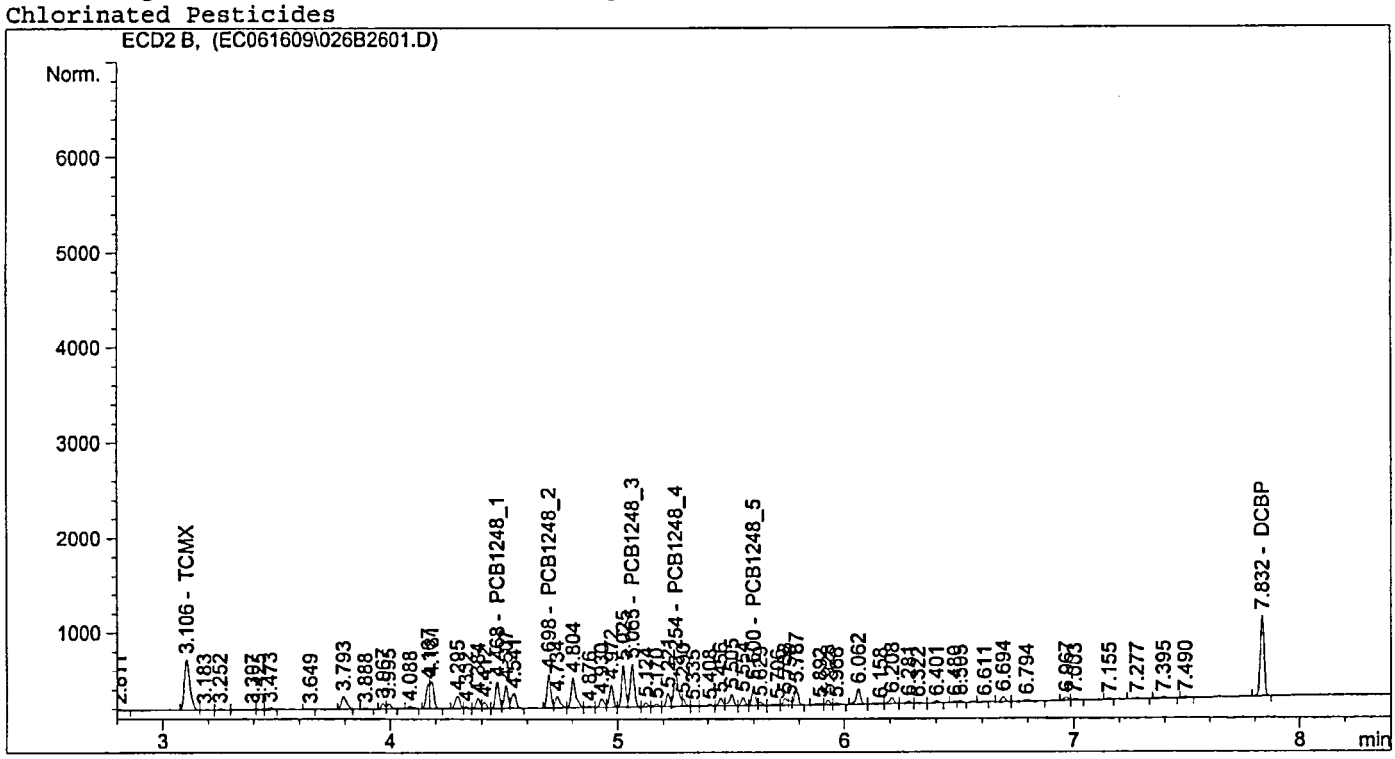
Totals : 1015.96479

BWS
6.17.09

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 8:02:36 PM          Seq. Line :  26
Sample Name     : A1248 x100 ICAL                Location : Vial 26
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BV	887.92737	1.26654e-2	11.24595		TCMX
4.468	VV	311.68481	3.47042e-1	108.16777		PCB1248_1
4.698	PV	390.62155	2.78247e-1	108.68922		PCB1248_2
5.065	VV	563.48987	1.93402e-1	108.97995		PCB1248_3
5.254	VV	539.59485	2.06885e-1	111.63432		PCB1248_4
5.600	VV	232.86835	4.79042e-1	111.55380		PCB1248_5
6.887		-	-	-		DBC
7.832	BB	954.55786	1.16758e-2	11.14522		DCBP

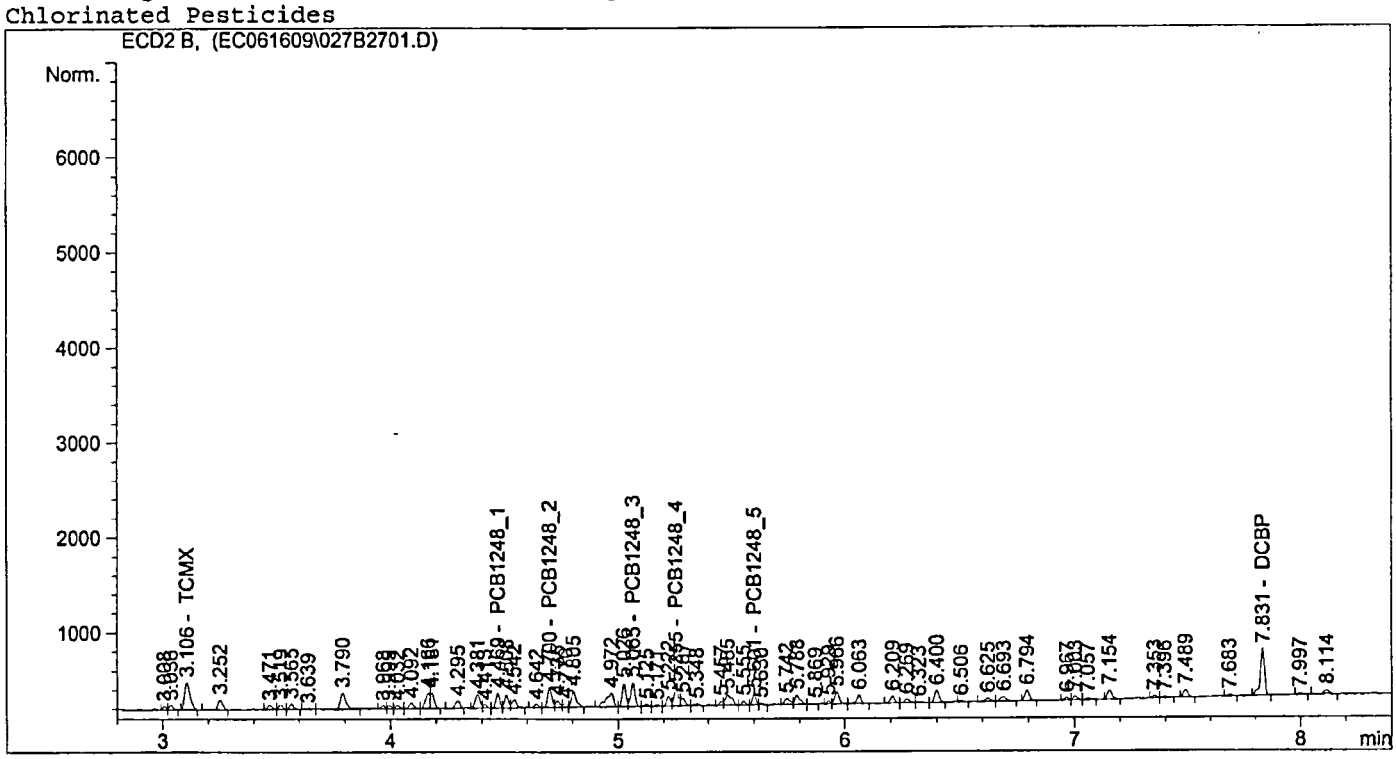
BWS
6.17.09

Totals : 571.41623

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

```
==================================================================
Injection Date  : 6/16/2009 8:15:37 PM          Seq. Line :  27
Sample Name     : A1248 x40 ICAL                 Location : Vial 27
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 6/17/2009 9:32:00 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:21:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.106	BP	485.29697	1.78587e-2	8.66675		TCMX
4.469	VV	180.33220	4.35488e-1	78.53252		PCB1248_1
4.700	VV	266.96121	3.29264e-1	87.90076		PCB1248_2
5.065	VV	314.85751	2.55099e-1	80.31970		PCB1248_3
5.255	VV	283.46695	2.89699e-1	82.11997		PCB1248_4
5.601	VV	125.63702	6.49976e-1	81.66109		PCB1248_5
6.887		-	-	-		DBC
7.831	BB	622.84137	1.44383e-2	8.99276		DCBP

BWS
6-17-09

Totals : 428.19356

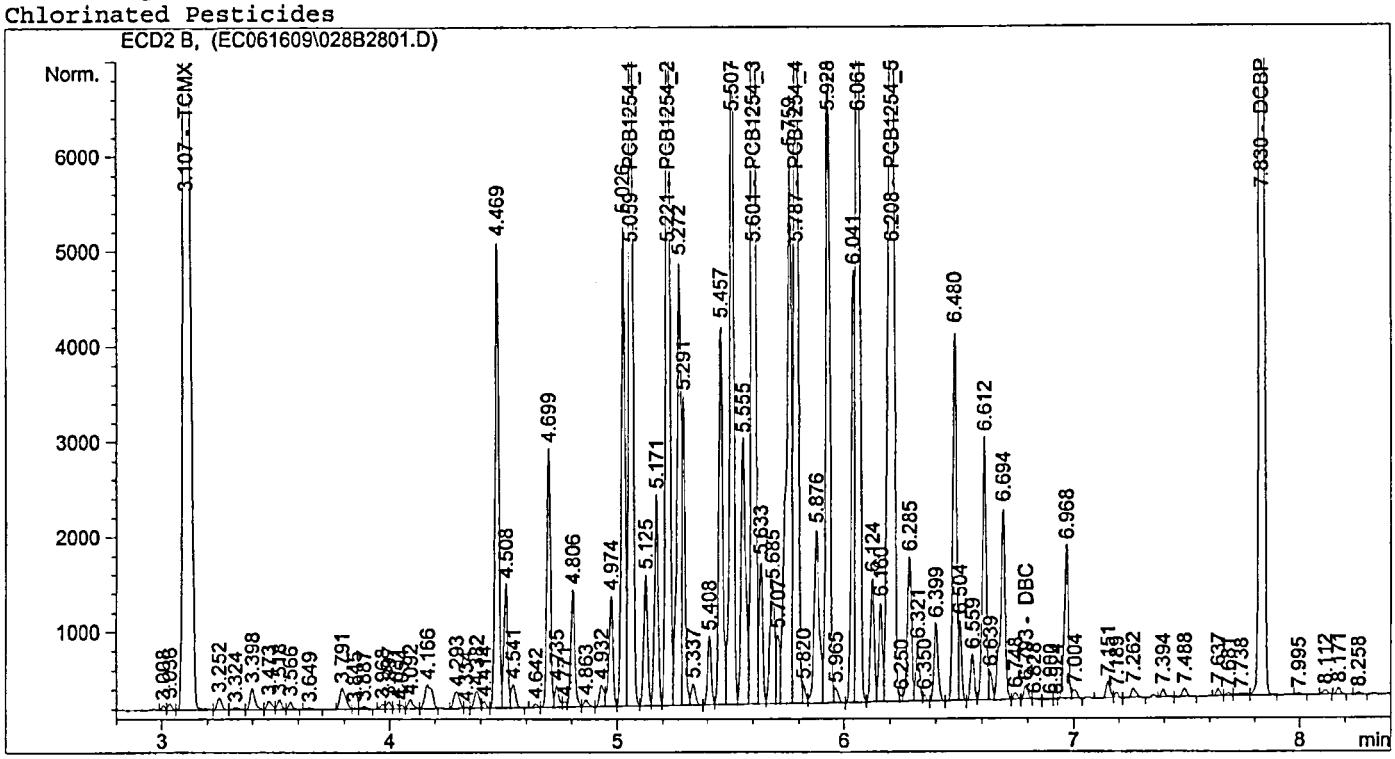
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

Injection Date : 6/16/2009 8:28:31 PM Seq. Line : 28
Sample Name : A1254 x2000 ICAL Location : Vial 28
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VV	2.82617e4	7.07513e-3	199.95492		TCMX
5.059	VV	1.06647e4	1.87523e-1	1999.87699		PCB1254_1
5.221	VV	1.08727e4	1.79699e-1	1953.80746		PCB1254_2
5.601	VV	1.80251e4	1.10962e-1	2000.09376		PCB1254_3
5.787	VV	1.44171e4	1.38665e-1	1999.14940		PCB1254_4
6.208	VV	1.75004e4	1.12740e-1	1973.00287		PCB1254_5
6.793	VV	171.09821	0.00000	0.00000		DBC
7.830	VB	2.85947e4	7.03720e-3	201.22627		DCBP

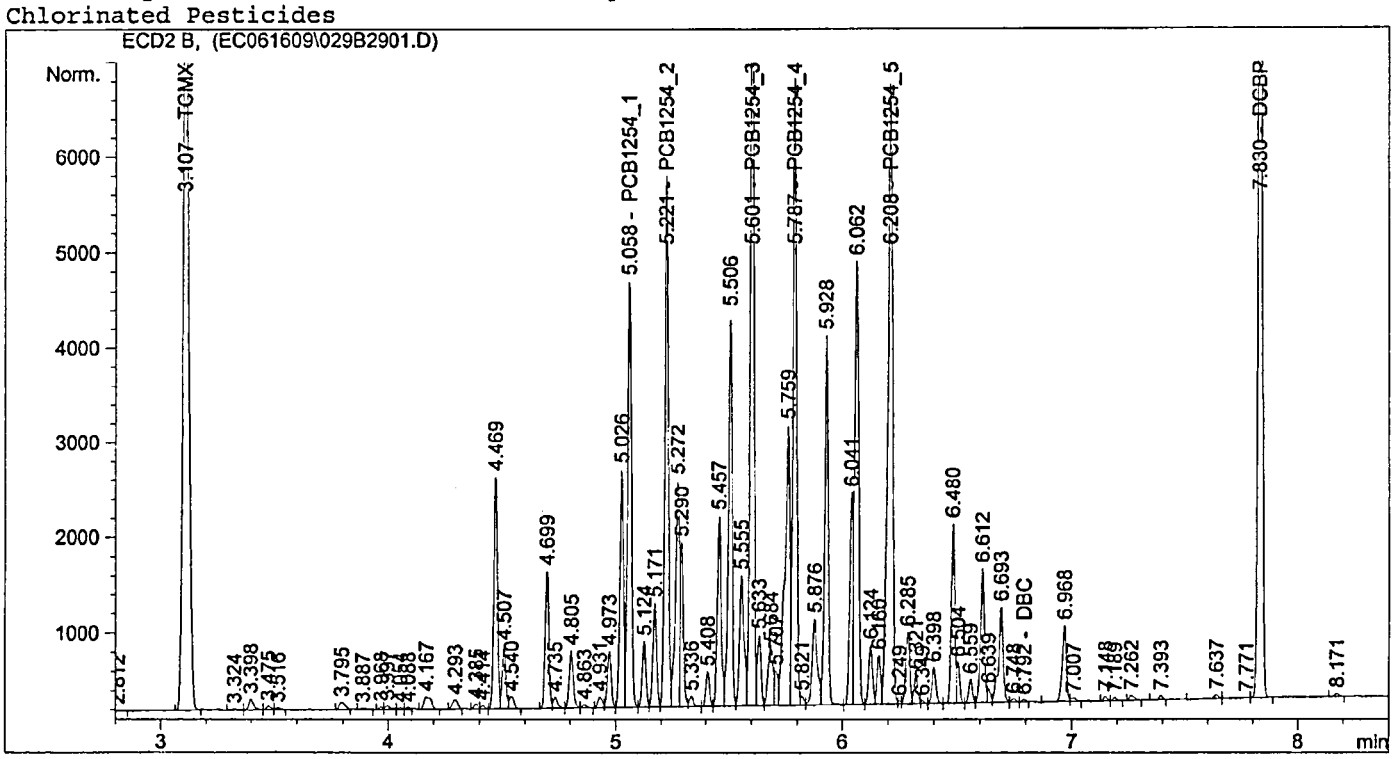
Totals : 1.03271e4

BWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 8:41:32 PM          Seq. Line :  29
Sample Name     : A1254 x1000 ICAL               Location : Vial 29
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

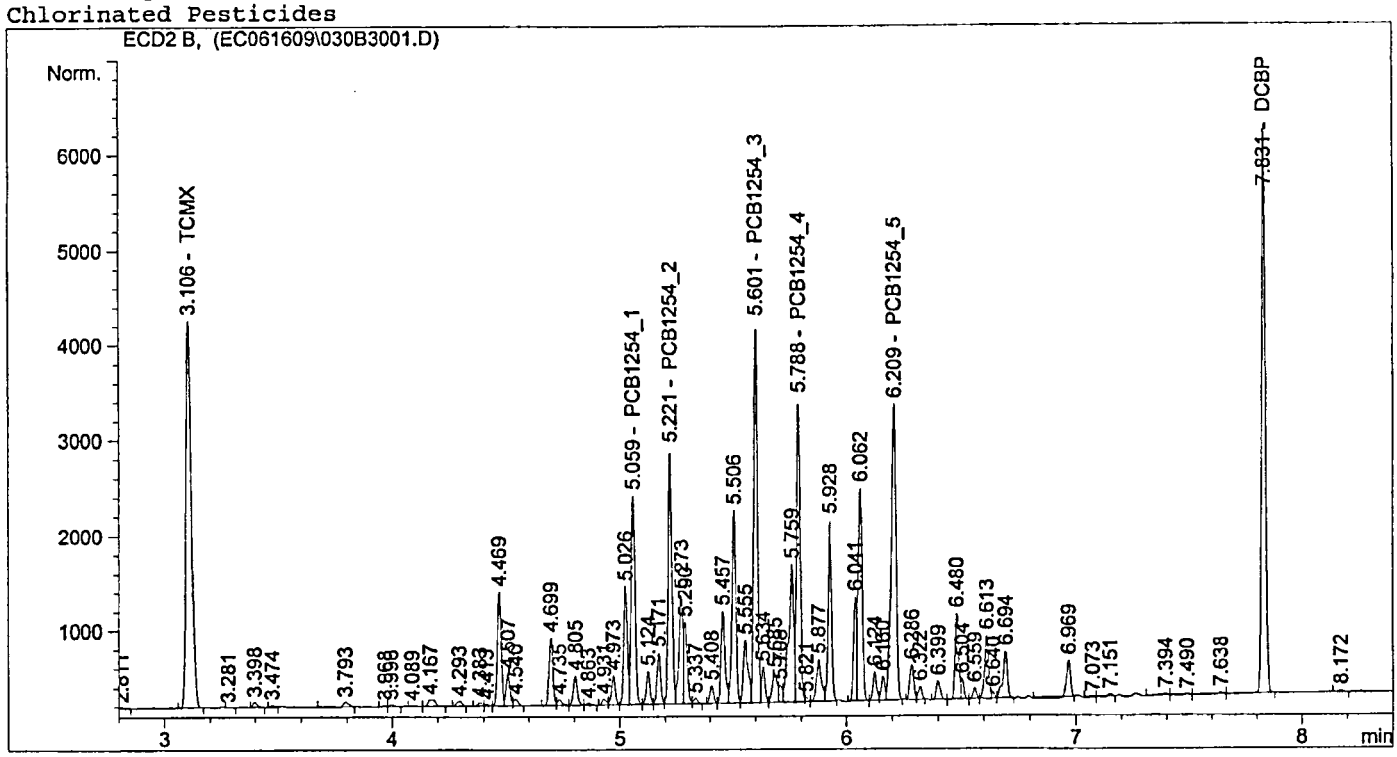
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.107	VB	1.40482e4	7.16859e-3	100.70584		TCMX
5.058	VV	5308.97803	1.88691e-1	1001.75400		PCB1254_1
5.221	VV	6097.46680	1.78618e-1	1089.11633		PCB1254_2
5.601	VV	8935.36523	1.12154e-1	1002.13848		PCB1254_3
5.787	VV	7195.55811	1.39696e-1	1005.19148		PCB1254_4
6.208	VV	9338.53711	1.12975e-1	1055.02259		PCB1254_5
6.792	VV	29.78347	0.00000	0.00000		DBC
7.830	VB	1.37947e4	7.12150e-3	98.23857		DCBP
Totals :				5352.16729		

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 8:54:25 PM          Seq. Line :  30
Sample Name     : A1254 x500 ICAL                Location : Vial 30
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	6711.31299	7.37175e-3	49.47411		TCMX
5.059	VV	2630.86133	1.91057e-1	502.64386		PCB1254_1
5.221	VV	2990.20801	1.76060e-1	526.45598		PCB1254_2
5.601	VV	4376.57861	1.14617e-1	501.62995		PCB1254_3
5.788	VV	3507.07764	1.41860e-1	497.51547		PCB1254_4
6.209	VV	4512.06494	1.13514e-1	512.18204		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	6690.64648	7.29443e-3	48.80442		DCBP
Totals :				2638.70584		

BWS
6.17.09

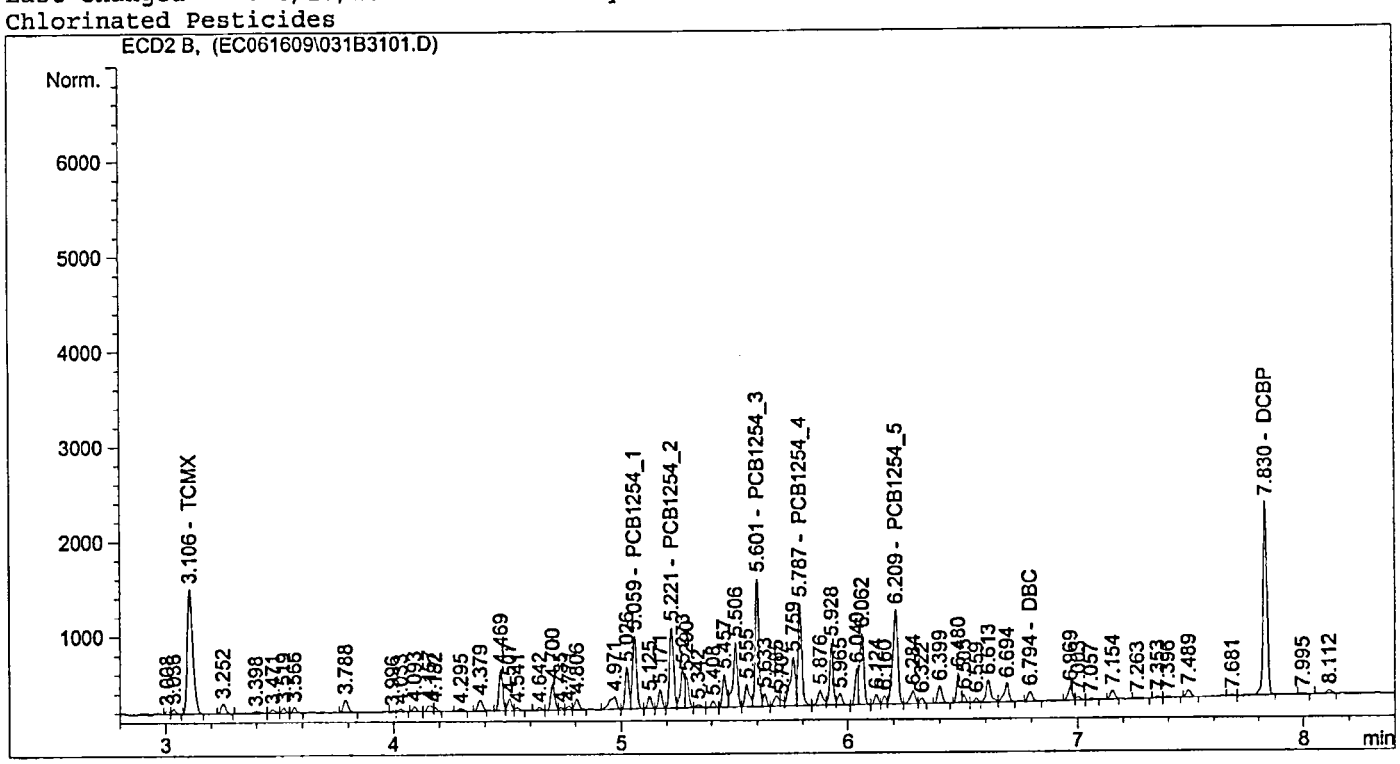
```
 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
```

==========

Injection Date : 6/16/2009 9:07:20 PM Seq. Line : 31
Sample Name : A1254 x200 ICAL Location : Vial 31
Acq. Operator : BWS Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	2193.94385	8.17269e-3	17.93042		TCMX
5.059	VV	926.45355	1.99686e-1	185.00005		PCB1254_1
5.221	VV	987.88354	1.65886e-1	163.87639		PCB1254_2
5.601	VV	1473.57690	1.24126e-1	182.90980		PCB1254_3
5.787	VV	1242.70264	1.49554e-1	185.85086		PCB1254_4
6.209	VV	1477.55640	1.15655e-1	170.88632		PCB1254_5
6.794	VB	145.04182	0.00000	0.00000		DBC
7.830	VB	2369.89722	7.90665e-3	18.73794		DCBP

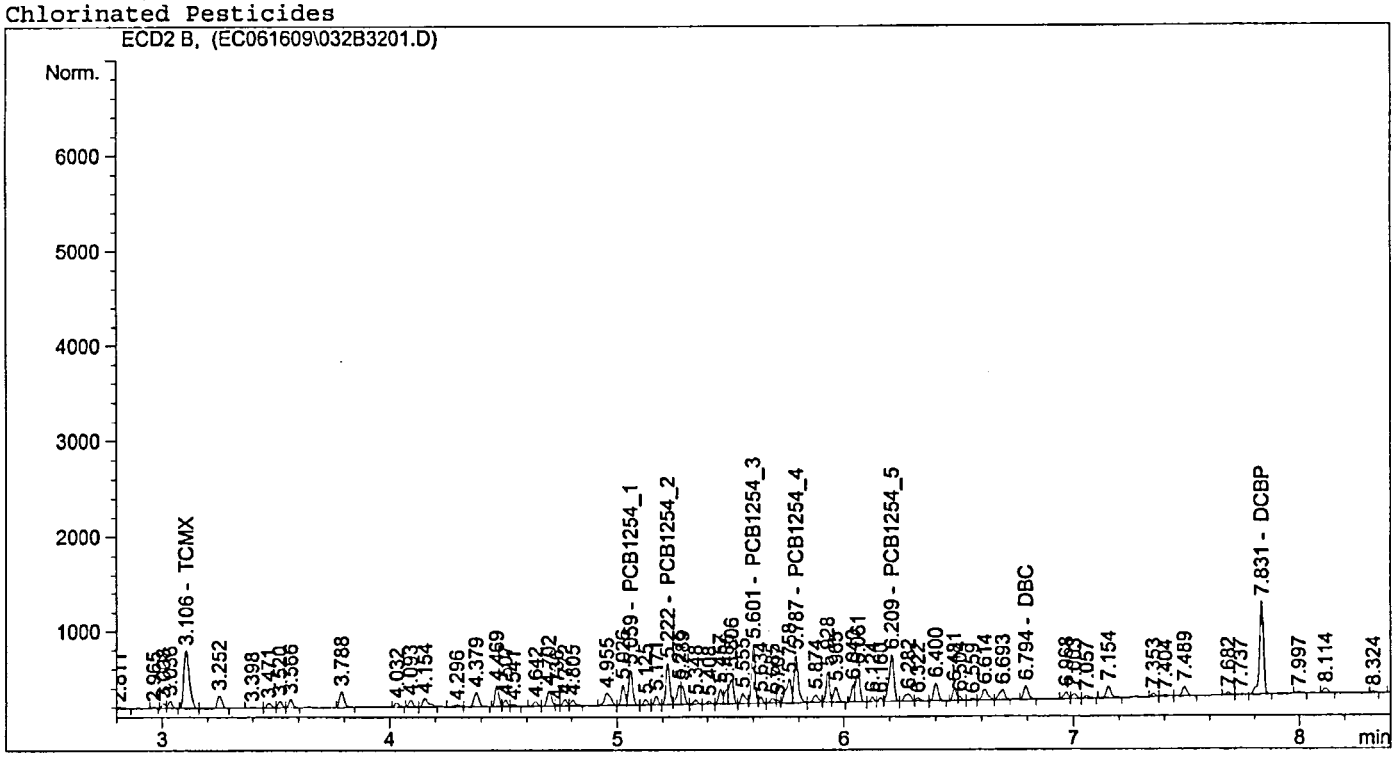
Totals : 925.19179

BWS
6.17.09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:20:15 PM          Seq. Line :  32
Sample Name     : A1254 x100 ICAL                Location : Vial 32
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	1019.56036	9.54332e-3	9.72999		TCMX
5.059	VV	447.20605	2.13961e-1	95.68457		PCB1254_1
5.222	VV	505.87912	1.51410e-1	76.59535		PCB1254_2
5.601	VV	680.14520	1.40851e-1	95.79905		PCB1254_3
5.787	VV	629.87061	1.61147e-1	101.50173		PCB1254_4
6.209	VV	720.91449	1.18996e-1	85.78568		PCB1254_5
6.794	VB	200.11134	0.00000	0.00000		DBC
7.831	VB	1208.52026	8.81768e-3	10.65635		DCBP

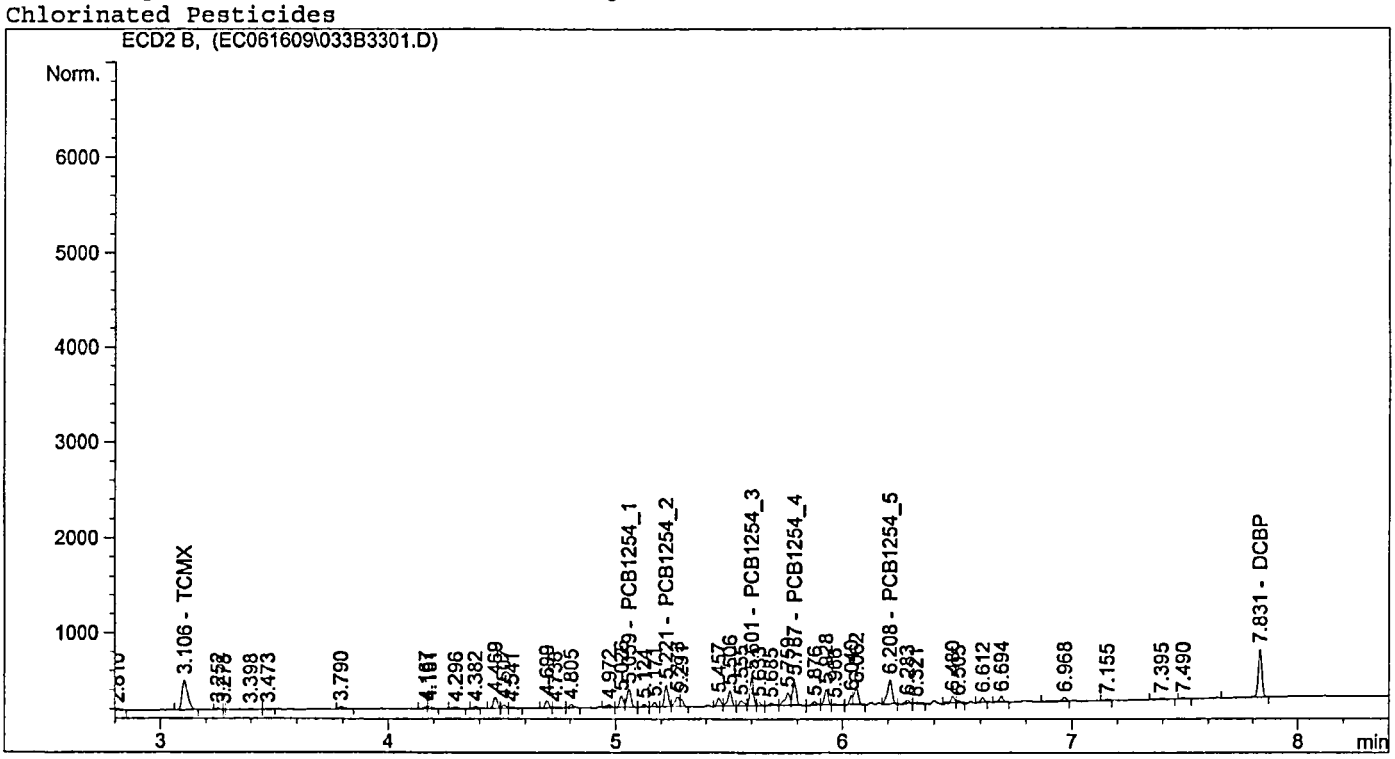
Totals : 475.75272

BWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:33:02 PM          Seq. Line :  33
Sample Name     : A1254 x40 ICAL                 Location : Vial 33
Acq. Operator   : BWS                                 Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/17/2009 9:58:58 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VB	514.70605	1.20549e-2	6.20472		TCMX
5.059	VV	229.11891	2.40227e-1	55.04052		PCB1254_1
5.221	VV	249.37901	1.20894e-1	30.14848		PCB1254_2
5.601	VV	330.65857	1.73681e-1	57.42896		PCB1254_3
5.787	VV	261.43622	1.94277e-1	50.79106		PCB1254_4
6.208	VV	341.57239	1.26241e-1	43.12050		PCB1254_5
6.794		-	-	-		DBC
7.831	VB	587.72308	1.07814e-2	6.33645		DCBP

Totals : 249.07070

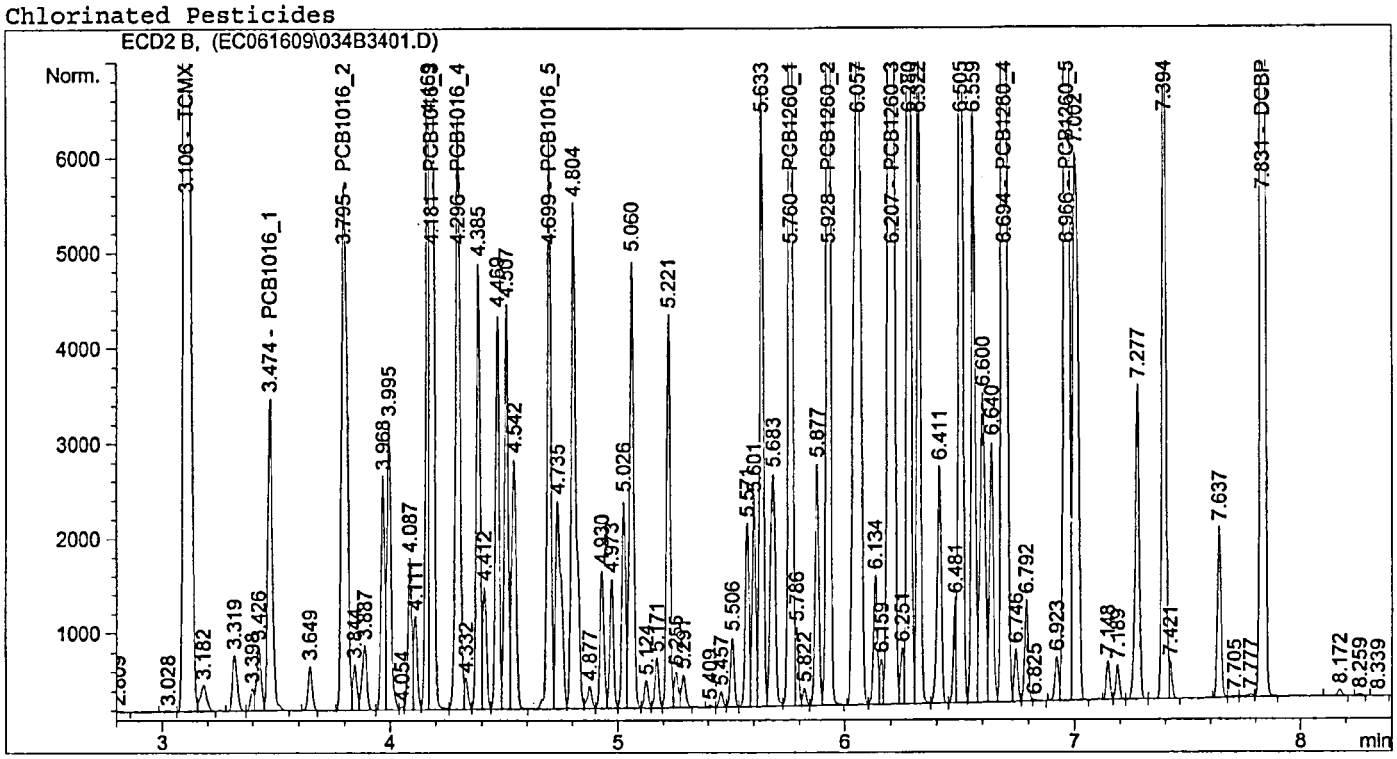
BWS
6-17-09

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
==================================================================
Injection Date  : 6/16/2009 9:46:01 PM          Seq. Line :  34
Sample Name     : PCB x2000 ICAL                 Location : Vial 34
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:06:29 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:06:27 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

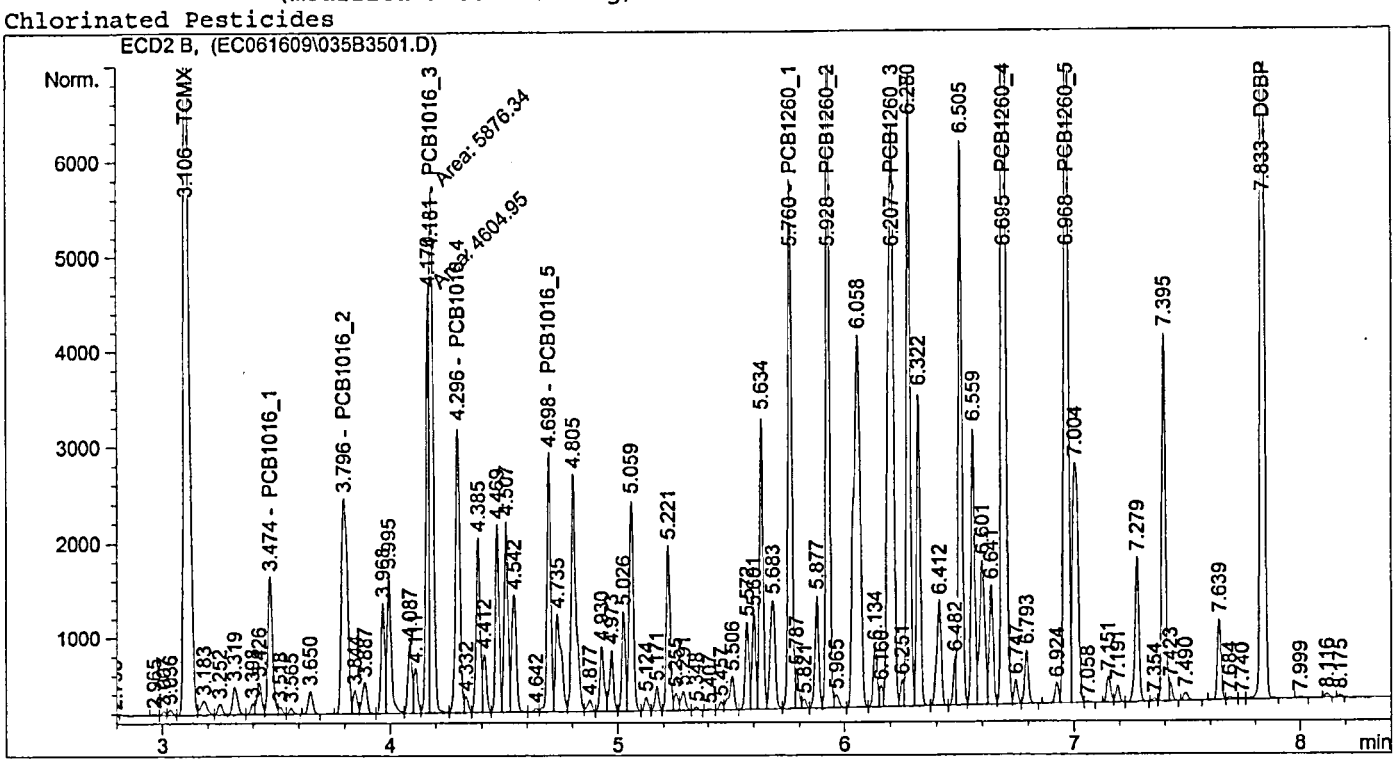
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2.94592e4	6.92505e-3	204.00623		TCMX
3.474	VB	4519.23340	4.43160e-1	2002.74428		PCB1016_1
3.795	PV	9469.86719	2.11388e-1	2001.81475		PCB1016_2
4.181	VV	1.46701e4	1.38396e-1	2030.28167		PCB1016_3
4.296	VV	8460.35547	2.38305e-1	2016.14481		PCB1016_4
4.699	VV	6825.10742	2.95084e-1	2013.97708		PCB1016_5
5.760	VV	1.36293e4	1.47790e-1	2014.27611		PCB1260_1
5.928	VB	1.90835e4	1.07837e-1	2057.90603		PCB1260_2
6.207	VV	2.42130e4	8.41678e-2	2037.95609		PCB1260_3
6.694	VV	3.69854e4	5.59014e-2	2067.53221		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	2.38040e4	8.64581e-2	2058.04726		PCB1260_5
7.831	VB	2.91817e4	6.17971e-3	180.33454		DCBP

BWS
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\035B3501.D

```
==================================================================
Injection Date  : 6/16/2009 9:58:51 PM          Seq. Line :  35
Sample Name     : PCB x1000 ICAL                 Location : Vial 35
Acq. Operator   : BWS                                Inj :   1
                                               Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:07:22 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

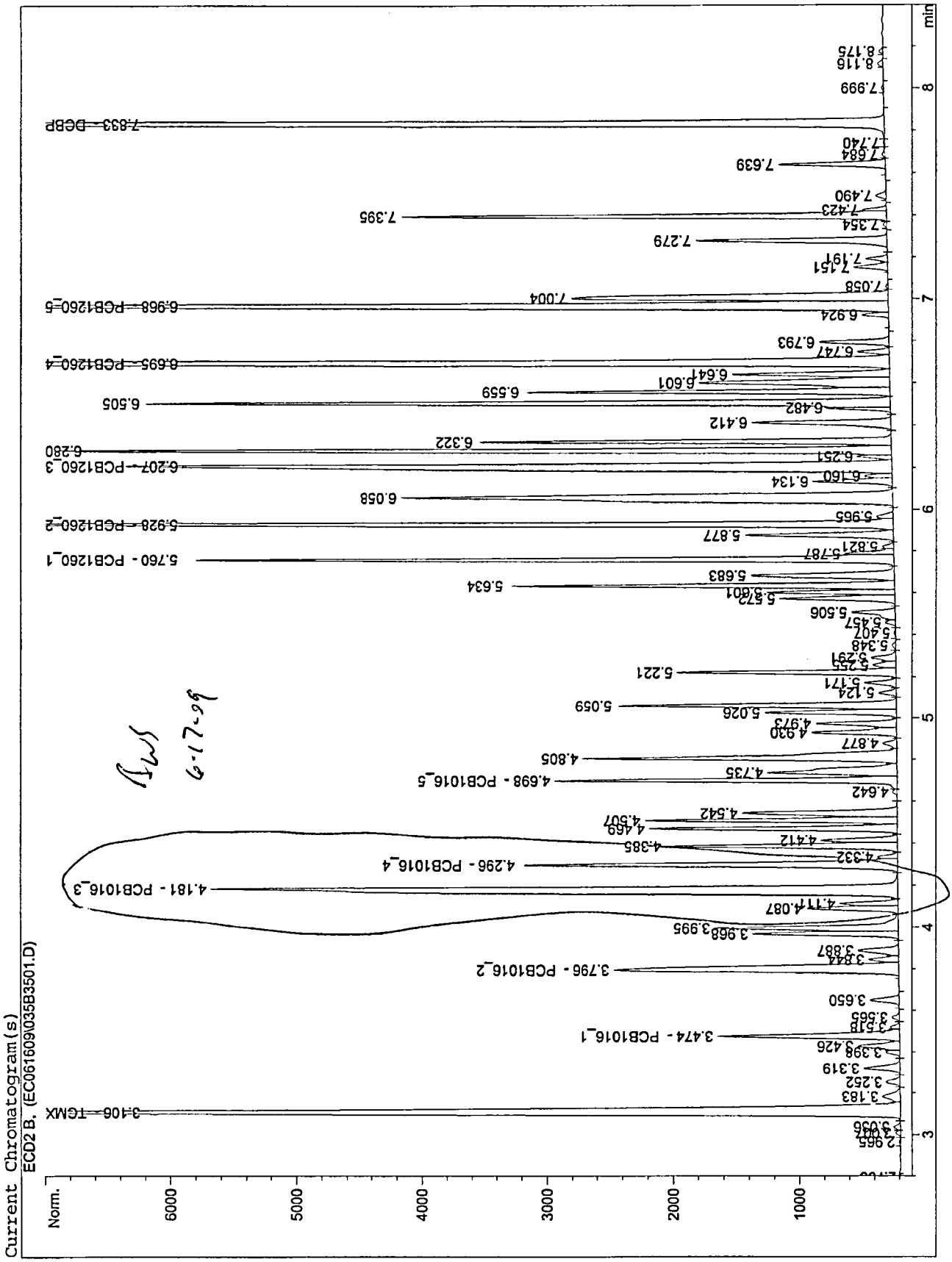
Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:07:17 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1.36287e4	7.07647e-3	96.44283		TCMX
3.474	VV	2033.76917	4.53075e-1	921.44899		PCB1016_1
3.796	VV	4170.35840	2.17441e-1	906.80535		PCB1016_2
4.181	FM	5876.34326	1.46526e-1	861.03867		PCB1016_3
4.296	VV	4022.45117	2.41745e-1	972.40734		PCB1016_4
4.698	VV	3104.98975	3.02309e-1	938.66590		PCB1016_5
5.760	VV	6291.23389	1.50335e-1	945.79497		PCB1260_1
5.928	VV	9044.02246	1.08669e-1	982.80589		PCB1260_2
6.207	VV	1.06166e4	8.69772e-2	923.40447		PCB1260_3
6.695	VV	1.70676e4	5.68041e-2	969.51015		PCB1260_4
6.891		-	-	-		DBC
6.968	VV	1.11218e4	8.76728e-2	975.08050		PCB1260_5
7.833	VB	1.36456e4	6.60789e-3	90.16844		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:07:22 AM BWS

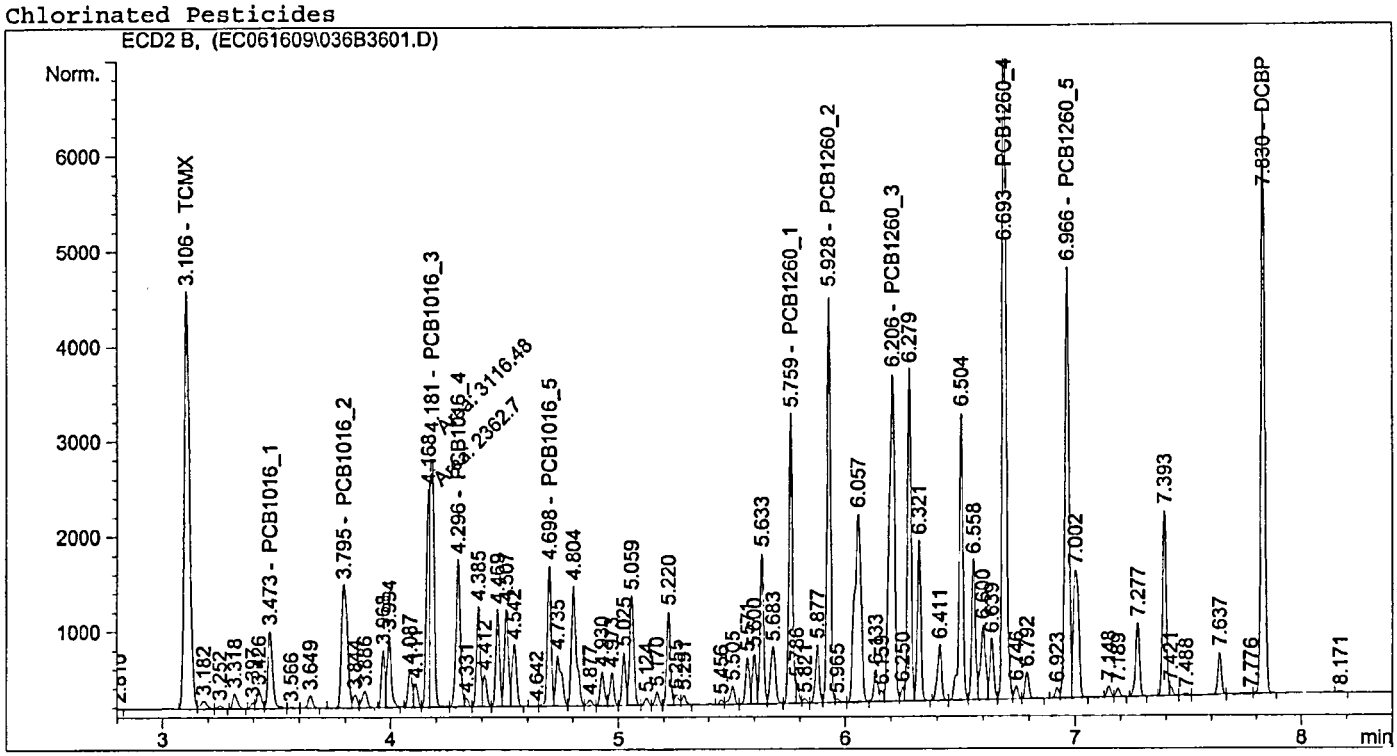

Current Chromatogram(s)
ECD2 B, (EC061609\035B3501.D)
Norm.
6000
5000
4000
3000
2000
1000
min
3
4
5
6
7
8
3.106 - TGMX
3.474 - PCB1016_1
3.796 - PCB1016_2
4.181 - PCB1016_3
4.296 - PCB1016_4
4.698 - PCB1016_5
5.760 - PCB1260_1
5.928 - PCB1260_2
6.207 - PCB1260_3
6.695 - PCB1260_4
6.968 - PCB1260_5
7.833 - DCBP
6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\036B3601.D

Injection Date	: 6/16/2009 10:11:44 PM	Seq. Line :	36
Sample Name	: PCB x500 ICAL	Location :	Vial 36
Acq. Operator	: BWS	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/17/2009 10:08:05 AM by BWS
(modified after loading)

Chlorinated Pesticides



External Standard Report

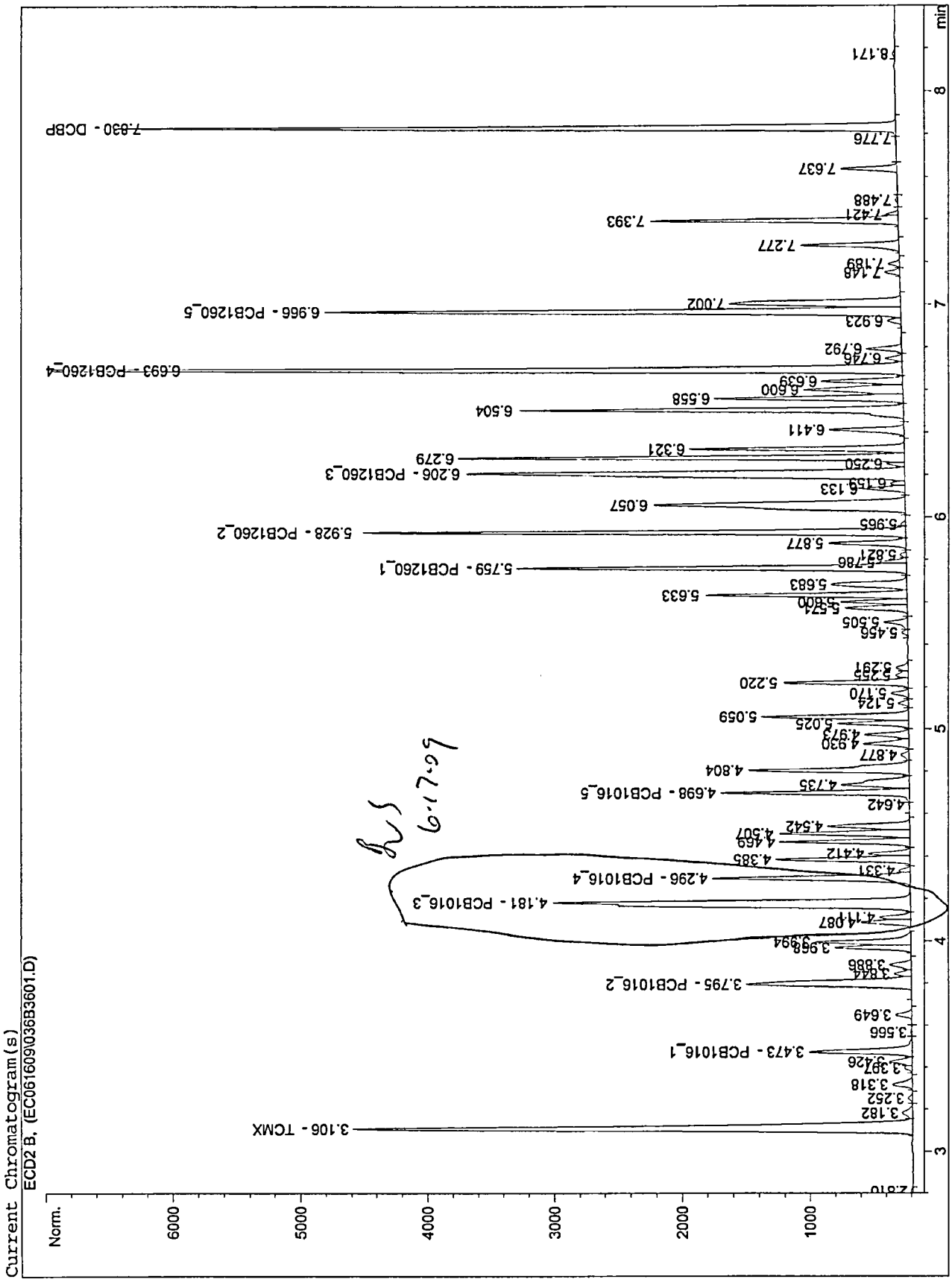
Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:08:02 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	BV	7003.94629	7.20672e-3	50.47550		TCMX
3.473	VV	1173.99915	4.48251e-1	526.24666		PCB1016_1
3.795	BV	2337.43018	2.17472e-1	508.32606		PCB1016_2
4.181	FM	3116.47534	1.53470e-1	478.28481		PCB1016_3
4.296	VV	2094.15796	2.42120e-1	507.03773		PCB1016_4
4.698	VV	1677.99841	3.03838e-1	509.83950		PCB1016_5
5.759	VV	3357.37085	1.51005e-1	506.97811		PCB1260_1
5.928	VV	4654.07275	1.09539e-1	509.80197		PCB1260_2
6.206	VV	5743.00488	8.85477e-2	508.52996		PCB1260_3
6.693	VV	8792.44434	5.78925e-2	509.01700		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	5652.14844	8.91801e-2	504.05910		PCB1260_5
7.830	VB	6917.99902	6.66835e-3	46.13166		DCBP

BWS
6.17.09

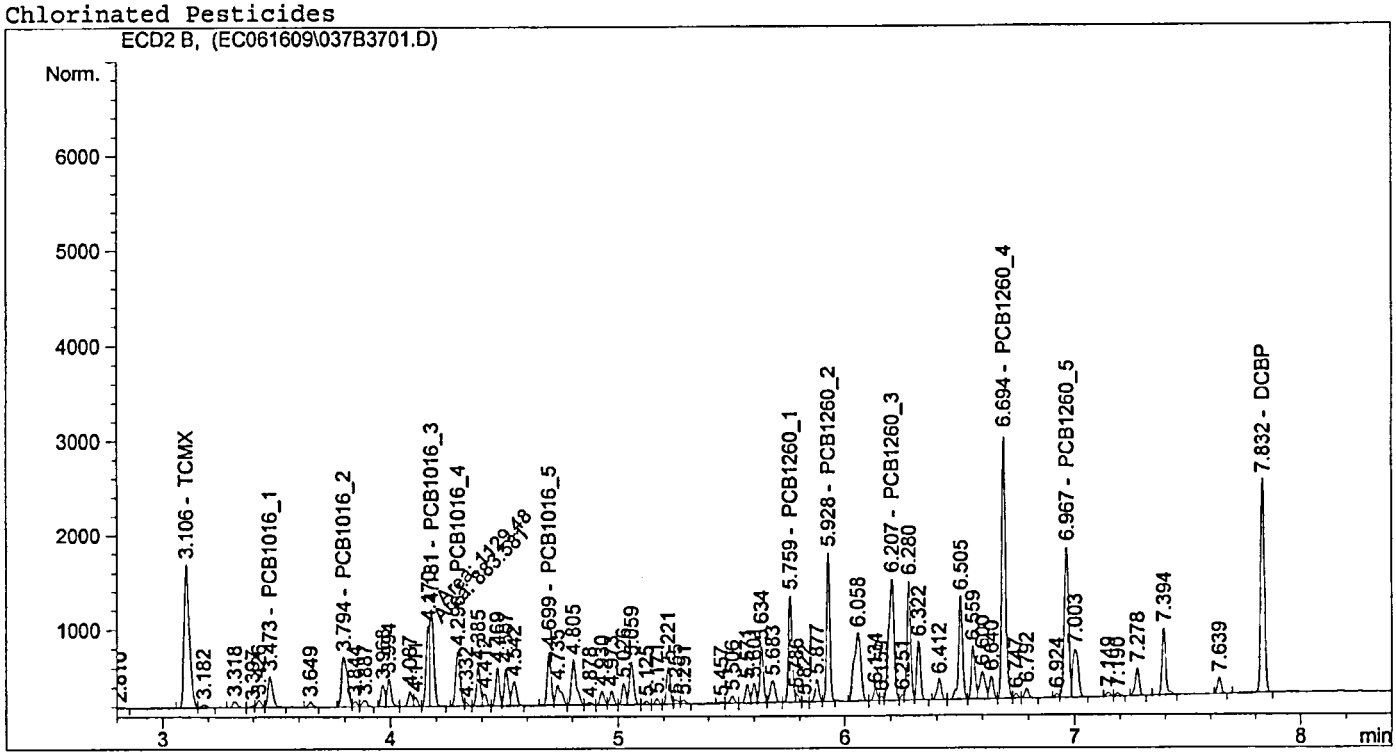
ECD2 6/17/2009 10:08:05 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\036B3601.D)
Norm.
6000
5000
4000
3000
2000
1000
min
3
4
5
6
7
8
3.106 - TCMX
3.473 - PCB1016_1
3.795 - PCB1016_2
4.181 - PCB1016_3
4.296 - PCB1016_4
4.698 - PCB1016_5
6.206 - PCB1260_3
5.928 - PCB1260_2
5.759 - PCB1260_1
6.279
6.693 - PCB1260_4
6.966 - PCB1260_5
7.393
7.830 - DCBP
6.17.09

Data File C:\HPCHEM\1\DATA\EC061609\037B3701.D

```
==================================================================
Injection Date  : 6/16/2009 10:24:44 PM          Seq. Line :  37
Sample Name     : PCB x200 ICAL                   Location : Vial 37
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:10:01 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

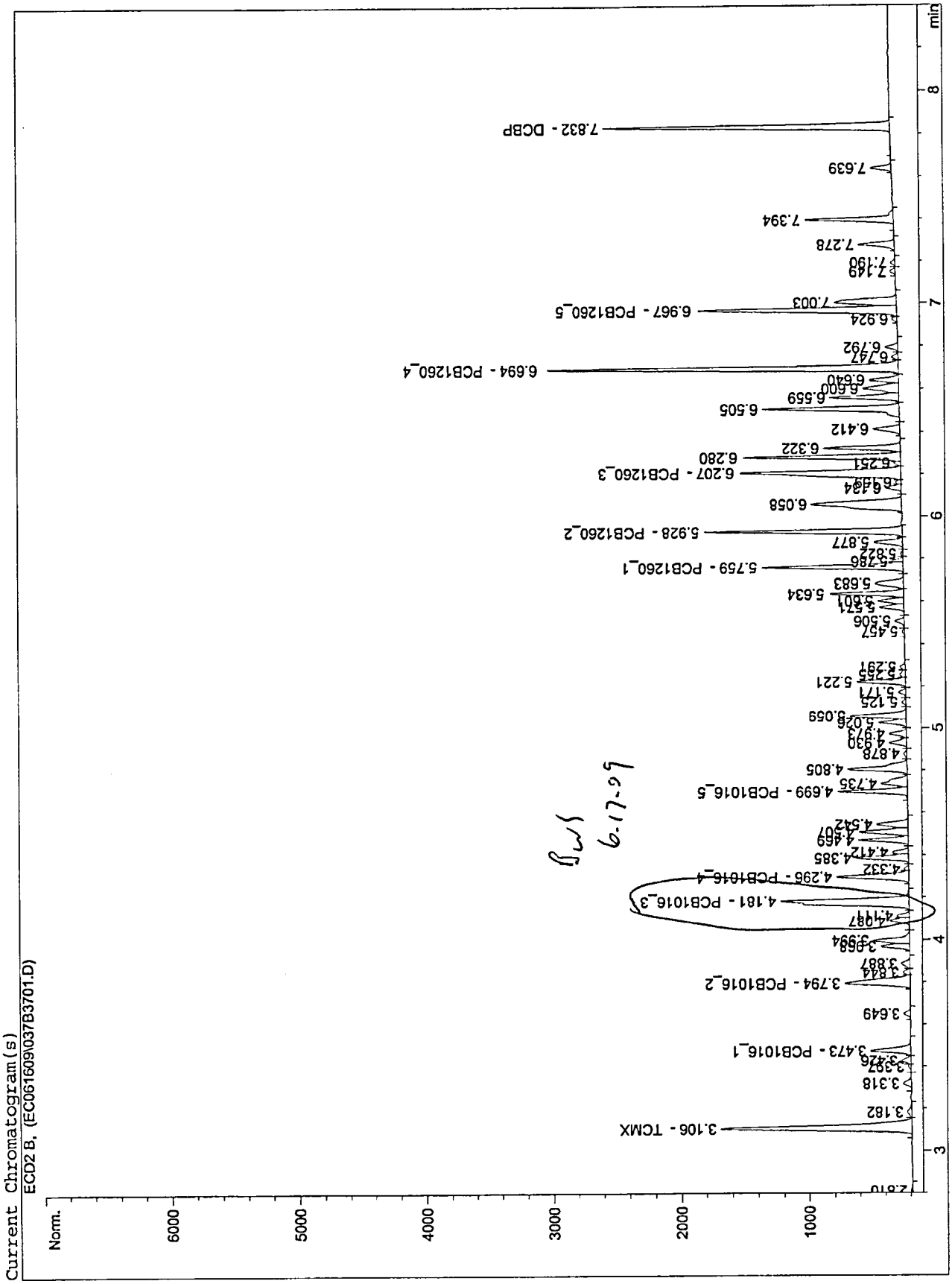
Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:10:00 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	2459.41650	7.98155e-3	19.62996		TCMX
3.473	VB	459.35840	4.55209e-1	209.10389		PCB1016_1
3.794	BV	925.94446	2.27040e-1	210.22643		PCB1016_2
4.181	FM	1129.47510	1.84501e-1	208.38960		PCB1016_3
4.296	BV	785.00928	2.52392e-1	198.12976		PCB1016_4
4.699	BV	634.24420	3.20572e-1	203.32064		PCB1016_5
5.759	VV	1251.00183	1.59135e-1	199.07828		PCB1260_1
5.928	VV	1690.69934	1.17110e-1	197.99704		PCB1260_2
6.207	VV	2103.30566	9.77195e-2	205.53395		PCB1260_3
6.694	VV	3117.92969	6.42428e-2	200.30467		PCB1260_4
6.891		-	-	-		DBC
6.967	VV	2021.84827	9.79173e-2	197.97387		PCB1260_5
7.832	BB	2527.29541	7.09127e-3	17.92173		DCBP

BWS
6.17.09

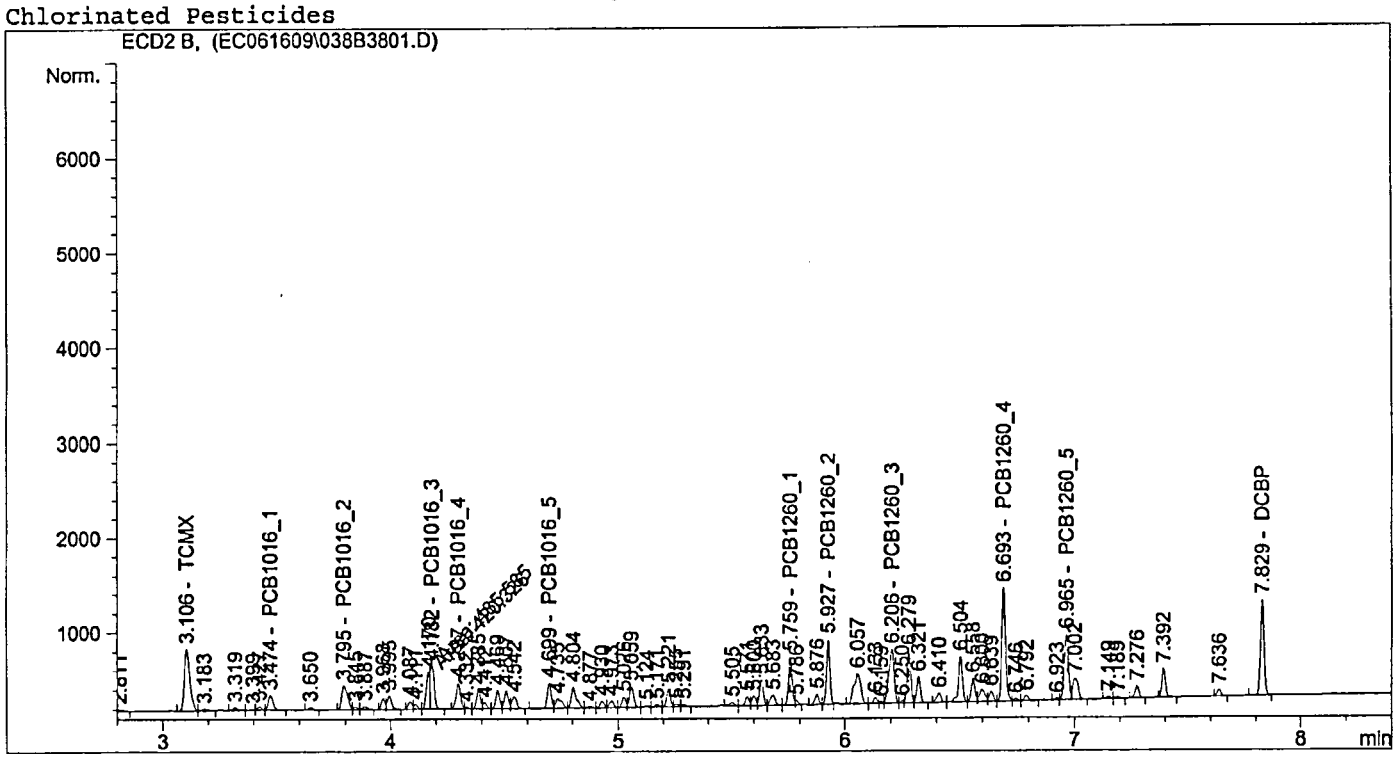
ECD2 6/17/2009 10:10:01 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\037B3701.D)
Norm.
6000
5000
4000
3000
2000
1000
min
3
4
5
6
7
8
3.106 - TCMX
3.473 - PCB1016_1
3.794 - PCB1016_2
4.181 - PCB1016_3
4.296 - PCB1016_4
4.699 - PCB1016_5
5.759 - PCB1260_1
5.928 - PCB1260_2
6.207 - PCB1260_3
6.694 - PCB1260_4
6.967 - PCB1260_5
7.832 - DCBP

Data File C:\HPCHEM\1\DATA\EC061609\038B3801.D

```
==================================================================
Injection Date  : 6/16/2009 10:37:35 PM          Seq. Line :  38
Sample Name     : PCB x100 ICAL                   Location : Vial 38
Acq. Operator   : BWS                                 Inj :   1
                                                Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 6/17/2009 10:10:50 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================

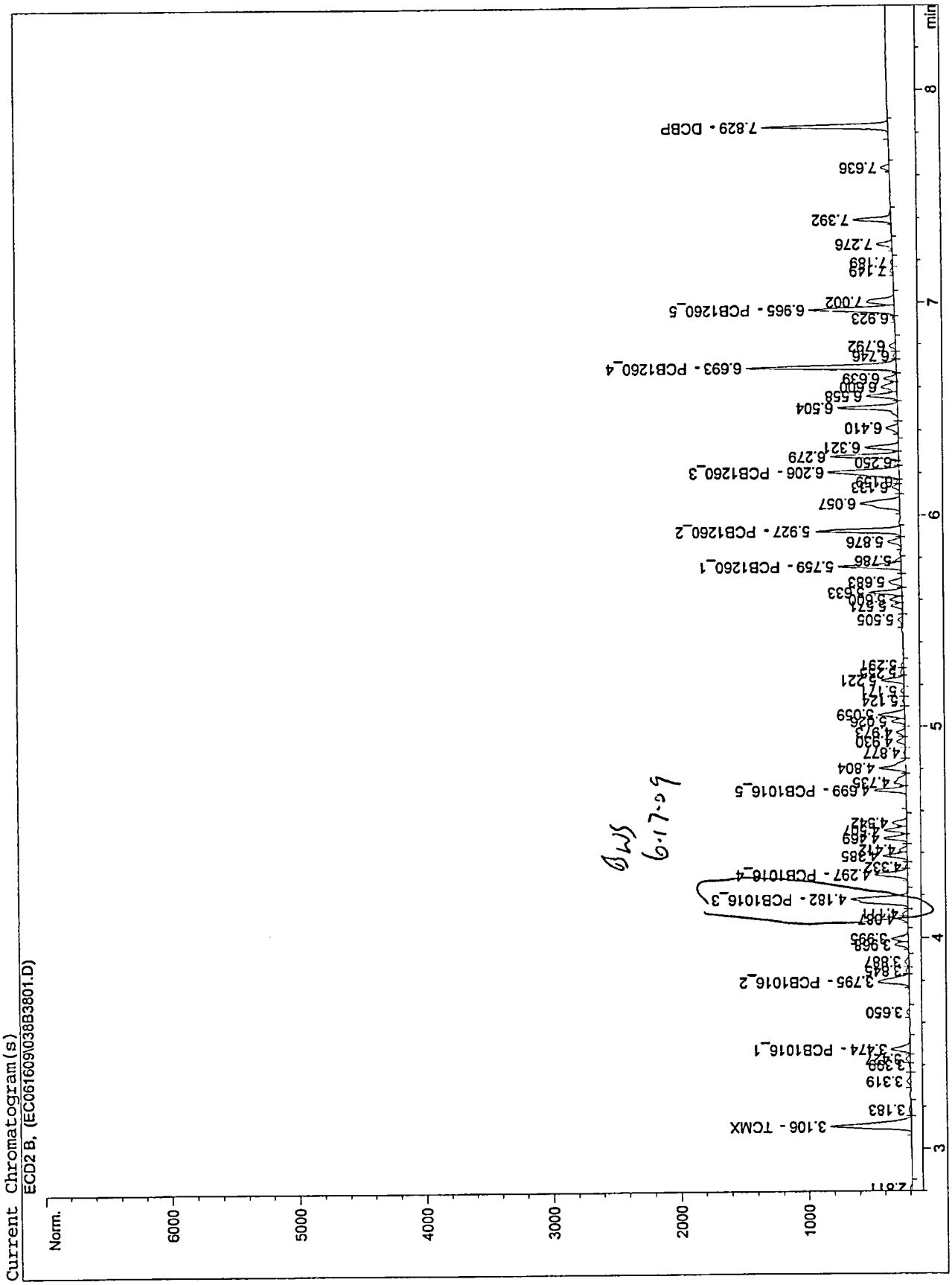
Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:10:48 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	1060.00964	9.47053e-3	10.03885		TCMX
3.474	VB	217.42149	4.56579e-1	99.27014		PCB1016_1
3.795	BV	437.29282	2.40067e-1	104.97947		PCB1016_2
4.182	FM	485.58514	2.49460e-1	121.13418		PCB1016_3
4.297	BV	360.85504	2.68497e-1	96.88843		PCB1016_4
4.699	BV	295.44028	3.46344e-1	102.32409		PCB1016_5
5.759	VV	561.53314	1.74475e-1	97.97337		PCB1260_1
5.927	VV	743.89374	1.30403e-1	97.00615		PCB1260_2
6.206	VV	927.62262	1.14883e-1	106.56771		PCB1260_3
6.693	VV	1324.98889	7.63427e-2	101.15317		PCB1260_4
6.891		-	-	-		DBC
6.965	VV	870.44684	1.14817e-1	99.94177		PCB1260_5
7.829	BB	1119.47693	8.34984e-3	9.34745		DCBP

BWS
6.17.09

ECD2 6/17/2009 10:10:50 AM BWS


Current Chromatogram(s)
ECD2 B, (EC061609\038B3801.D)
Norm.
6000
5000
4000
3000
2000
1000
min
3
4
5
6
7
8
3.106 - TCMX
3.474 - PCB1016_1
3.795 - PCB1016_2
4.182 - PCB1016_3
4.297 - PCB1016_4
4.699 - PCB1016_5
5.759 - PCB1260_1
5.927 - PCB1260_2
6.206 - PCB1260_3
6.693 - PCB1260_4
6.965 - PCB1260_5
7.829 - DCBP

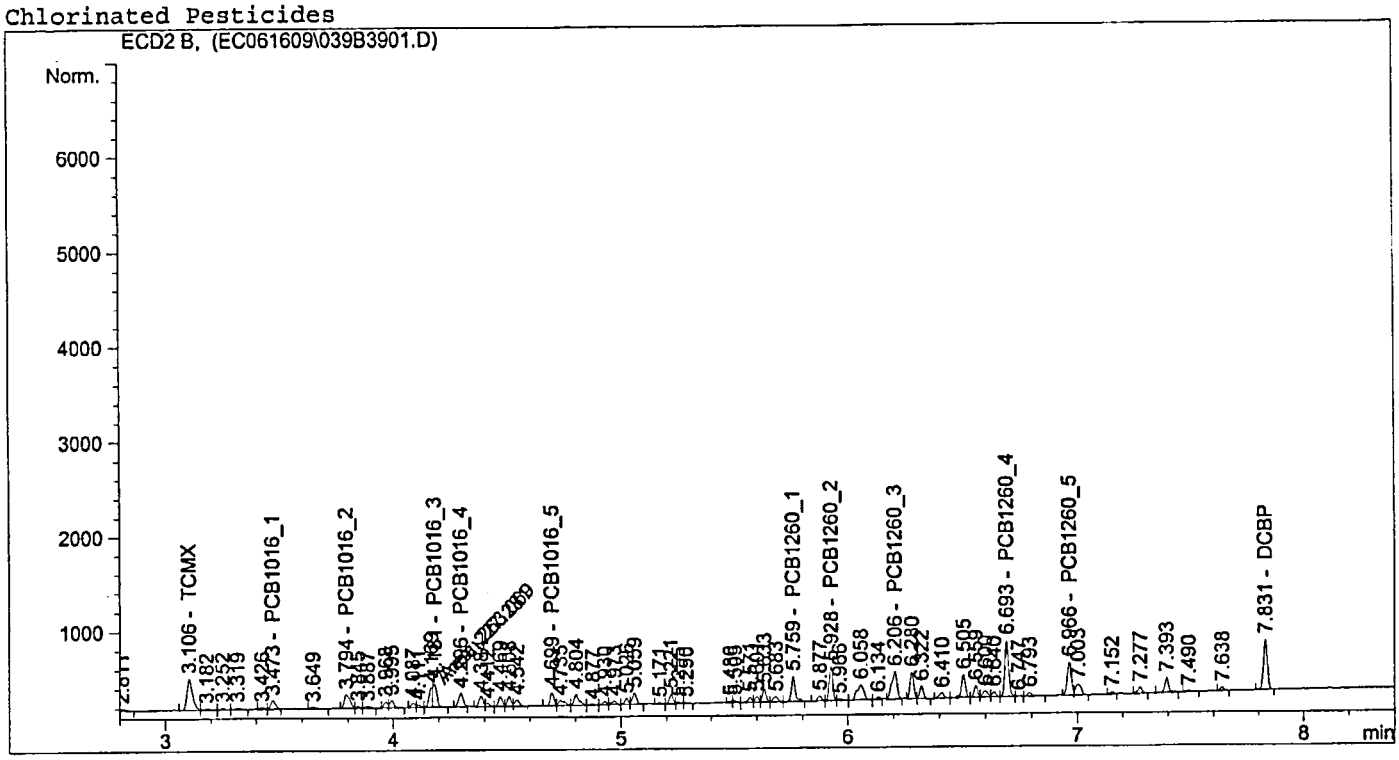
BWS 6-17-09

Data File C:\HPCHEM\1\DATA\EC061609\039B3901.D

Injection Date	: 6/16/2009 10:50:29 PM	Seq. Line	: 39
Sample Name	: PCB x40 ICAL	Location	: Vial 39
Acq. Operator	: BWS	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC061609\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 6/17/2009 10:11:41 AM by BWS
(modified after loading)

Chlorinated Pesticides



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, June 17, 2009 10:11:39 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD2 B,

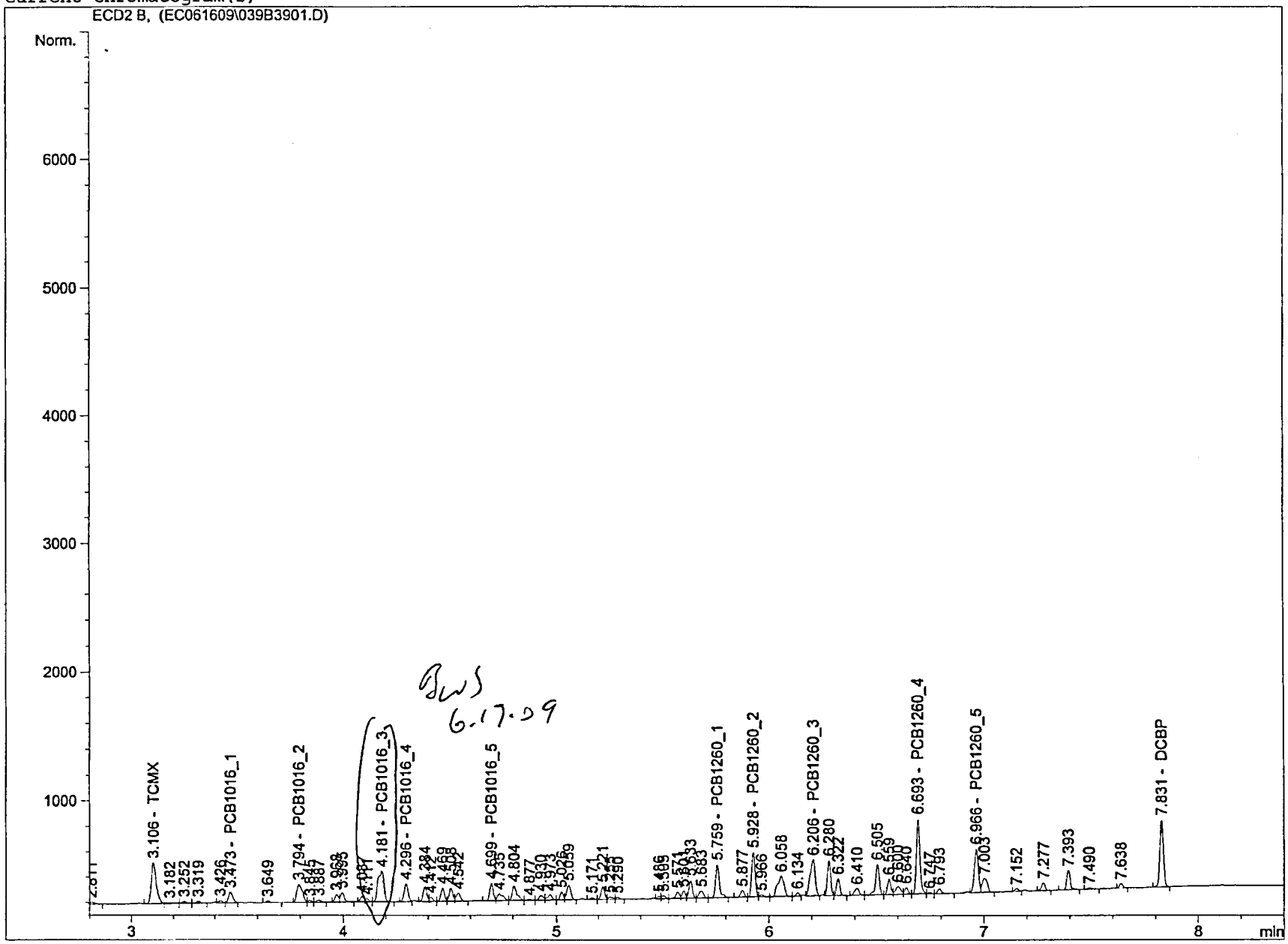
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.106	VV	548.72662	1.20299e-2	6.60113		TCMX
3.473	VV	121.06745	4.56623e-1	55.28216		PCB1016_1
3.794	BV	251.36978	2.58563e-1	64.99505		PCB1016_2
4.181	FM	263.06857	3.48380e-1	91.64781		PCB1016_3
4.296	BV	195.81090	2.95069e-1	57.77769		PCB1016_4
4.699	VV	160.03806	3.89192e-1	62.28561		PCB1016_5
5.759	VV	317.76819	1.96374e-1	62.40140		PCB1260_1
5.928	VV	382.41440	1.54962e-1	59.25959		PCB1260_2
6.206	VV	472.35635	1.46152e-1	69.03575		PCB1260_3
6.693	VV	666.49261	9.75963e-2	65.04720		PCB1260_4
6.891		-	-	-		DBC
6.966	VV	445.24323	1.44457e-1	64.31850		PCB1260_5
7.831	BB	608.79004	1.07789e-2	6.56211		DCBP

BWS
6-17-09

ECD2 6/17/2009 10:11:41 AM BWS

Print of window 38: Current Chromatogram(s)

Current Chromatogram(s)



ECD2 6/17/2009 10:11:16 AM BWS

8082 CVS Raw Data

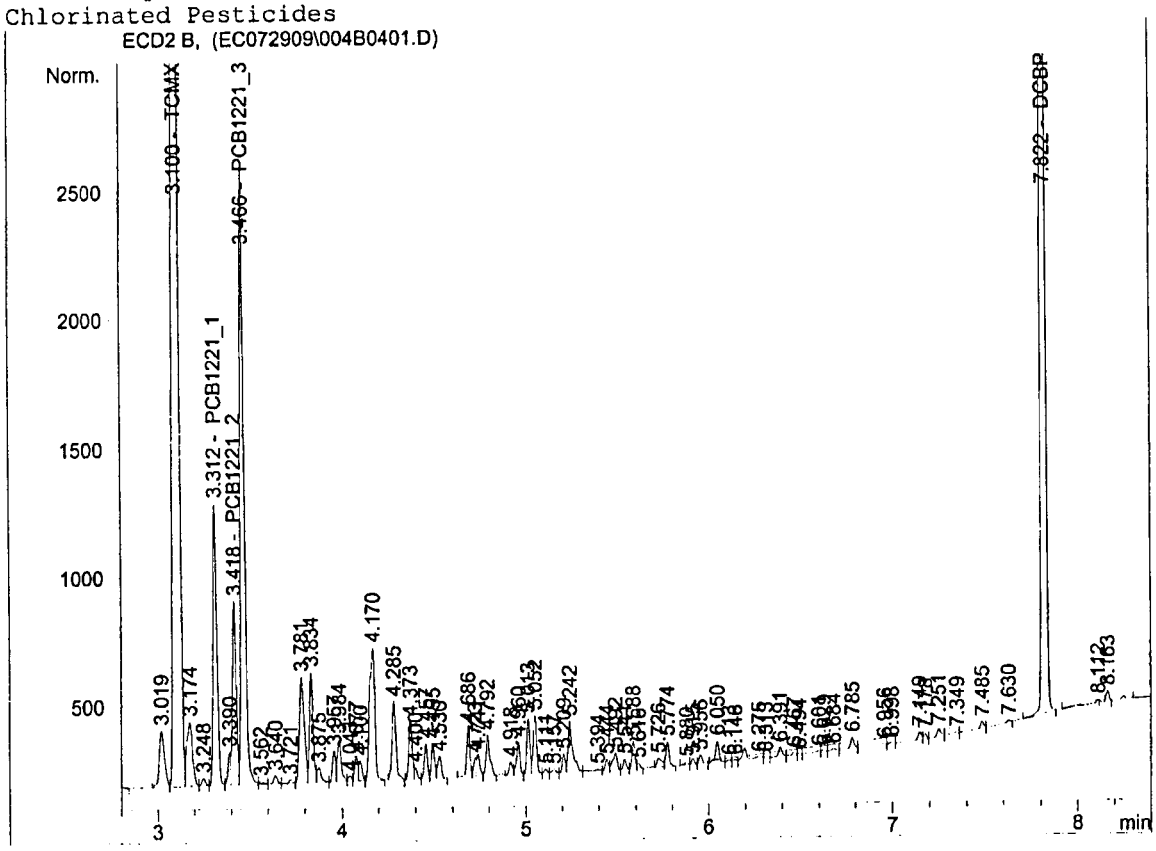
PCB Calibration Verification Summary

Sample ID: CVS-1221-1000
Instrument ID: ECD2

Date: 29-Jul-09 09:33
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1221	1	3.31167	3.28167	3.34167	1108.173381	1103.689145	-10.4
	2	3.41816	3.38816	3.44816	1111.03845		
	3	3.46629	3.43629	3.49629	1091.855604		
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

```
==================================================================
Injection Date  : 7/29/2009 9:33:49 AM          Seq. Line :   4
Sample Name     : cvs-1221-1000                  Location : Vial 4
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~1\1221R.M
Last changed    : 6/22/2009 9:37:20 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:25:03 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.100	VV	1.61197e4	6.85983e-3	110.57842		TCMX
3.312	VV	1567.79419	7.06836e-1	1108.17338		PCB1221_1
3.418	VV	1007.72211	1.10252	1111.03845		PCB1221_2
3.466	VV	3699.70996	2.95119e-1	1091.85560		PCB1221_3
6.890		-	-	-		DBC
7.822	BB	1.68827e4	6.81249e-3	115.01356		DCBP
Totals :				3536.65941		

BW
7-29-09

Results obtained with enhanced integrator!

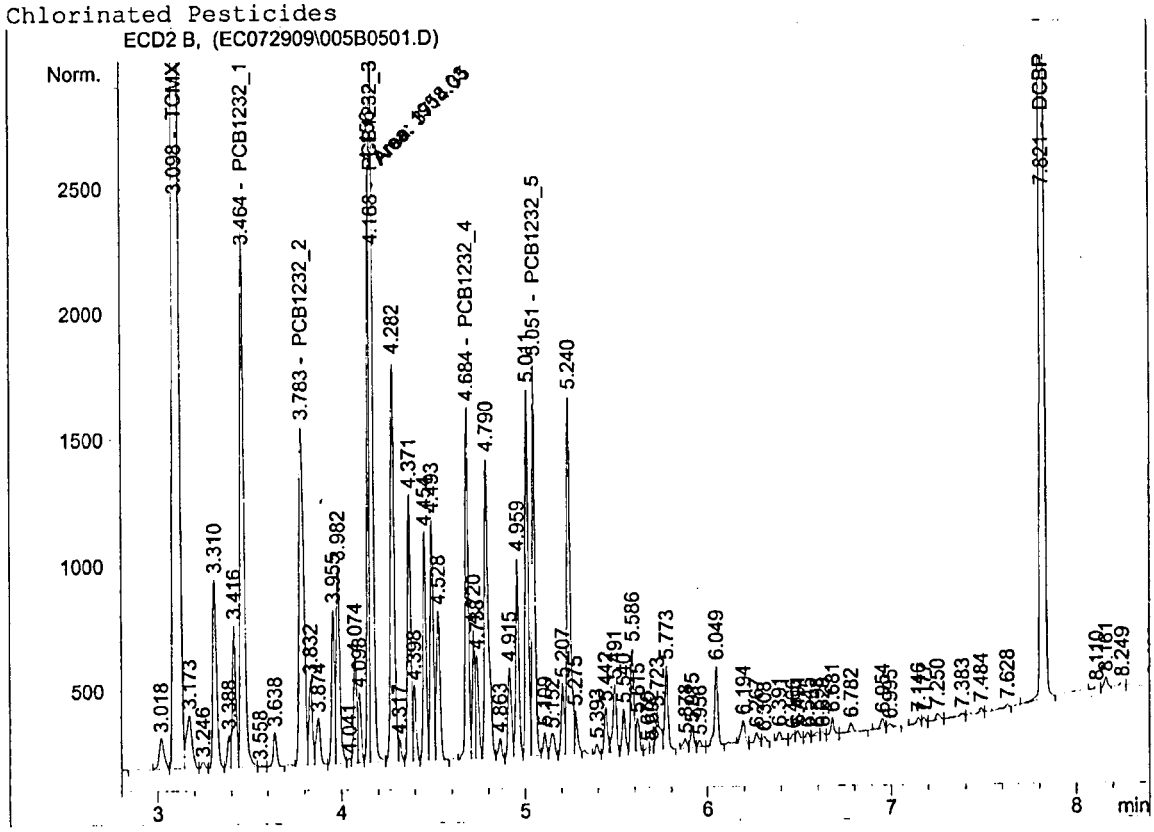
PCB Calibration Verification Summary

Sample ID: CVS-1232-1000
Instrument ID: ECD2

Date: 29-Jul-09 09:46
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1232	1	3.46385	3.43385	3.49385	1103.975894	1103.964127	-10.4
	2	3.78295	3.75295	3.81295	1063.659062		
	3	4.16789	4.13789	4.19789	1122.499096		
	4	4.68401	4.65401	4.71401	1108.233255		
	5	5.05082	5.02082	5.08082	1121.453329		
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						
	1						
	2						
	3						
	4						
	5						

```
==================================================================
Injection Date  : 7/29/2009 9:46:42 AM          Seq. Line :   5
Sample Name     : cvs-1232-1000                  Location : Vial 5
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~1\1232R.M
Last changed    : 6/22/2009 9:38:06 AM by BWS
Chlorinated Pesticides
```




```
==================================================================
                    External Standard Report
==================================================================

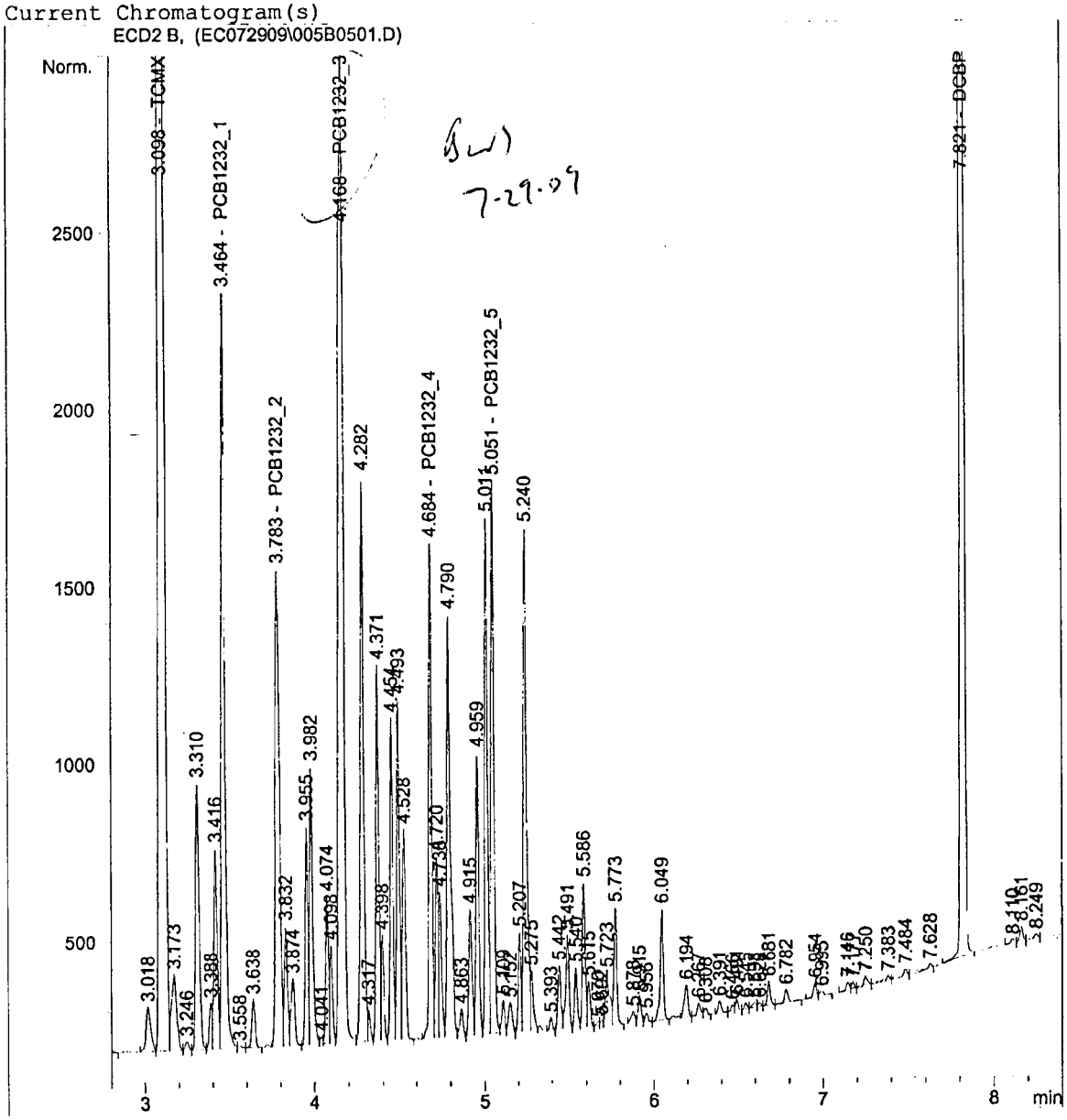
Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 10:24:59 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.098	VV	1.64360e4	6.75533e-3	111.03093		TCMX
3.464	VV	3140.68750	3.51508e-1	1103.97589		PCB1232_1
3.783	VV	2495.16479	4.26288e-1	1063.65906		PCB1232_2
4.168	FM	3714.35278	3.02206e-1	1122.49910		PCB1232_3
4.684	PV	1579.42749	7.01668e-1	1108.23325		PCB1232_4
5.051	VV	1900.66431	5.90032e-1	1121.45333		PCB1232_5
6.889		-	-	-		DBC
7.821	BB	1.72099e4	6.74207e-3	116.03062		DCBP
Totals :				5746.88218		

AWJ
7-29-09

Print of all graphic windows
Current Chromatogram(s)



ECD2 7/29/2009 10:49:16 AM BWS

Page 1 of 1

PCB Calibration Verification Summary

Sample ID: CVS-1242-1000
Instrument ID: ECD2

Date: 29-Jul-09 09:59
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1242	1	3.46382	3.43382	3.49382	1134.097974	1136.628677	-13.7
	2	3.78384	3.75384	3.81384	1097.926788		
	3	4.16768	4.13768	4.19768	1147.625632		
	4	4.68397	4.65397	4.71397	1141.503385		
	5	5.0502	5.0202	5.0802	1161.989604		
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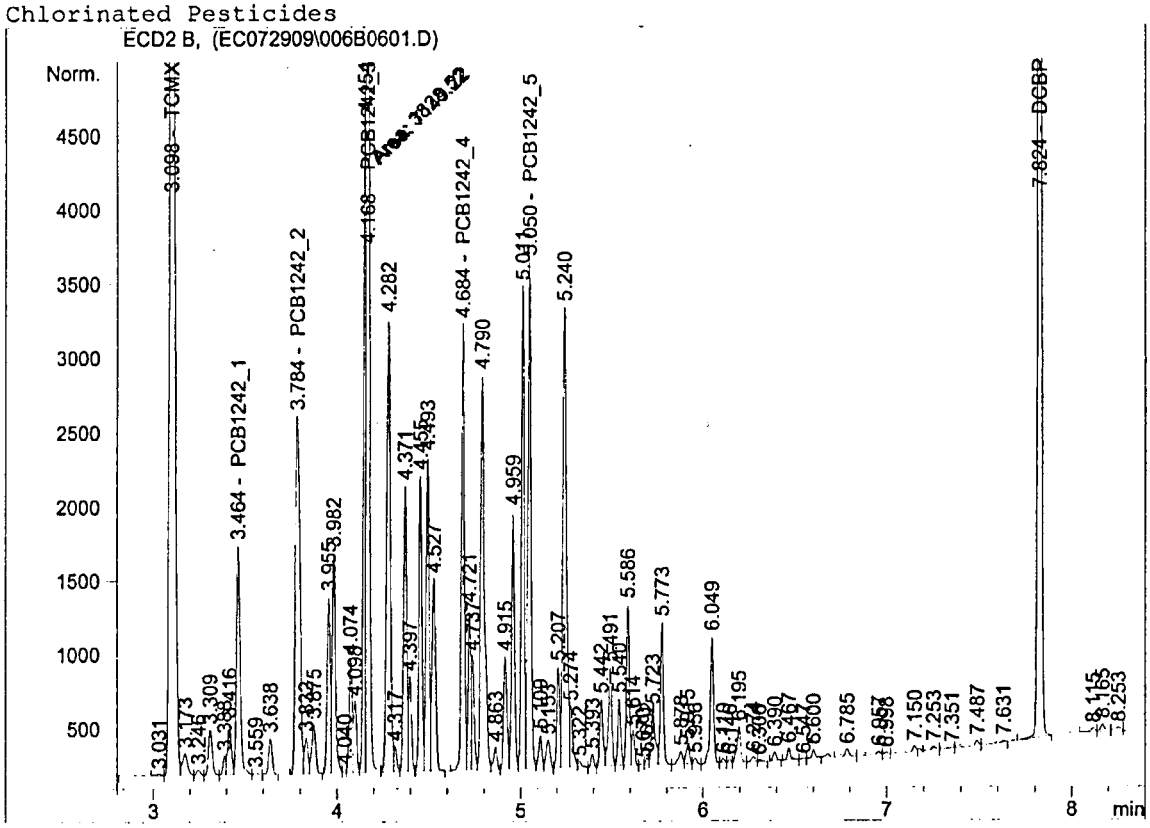
Injection Date : 7/29/2009 9:59:40 AM Seq. Line : 6
Sample Name : cvs-1242-1000 Location : Vial 6
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~1\1242R.M
Last changed : 6/22/2009 9:38:47 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:27:17 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

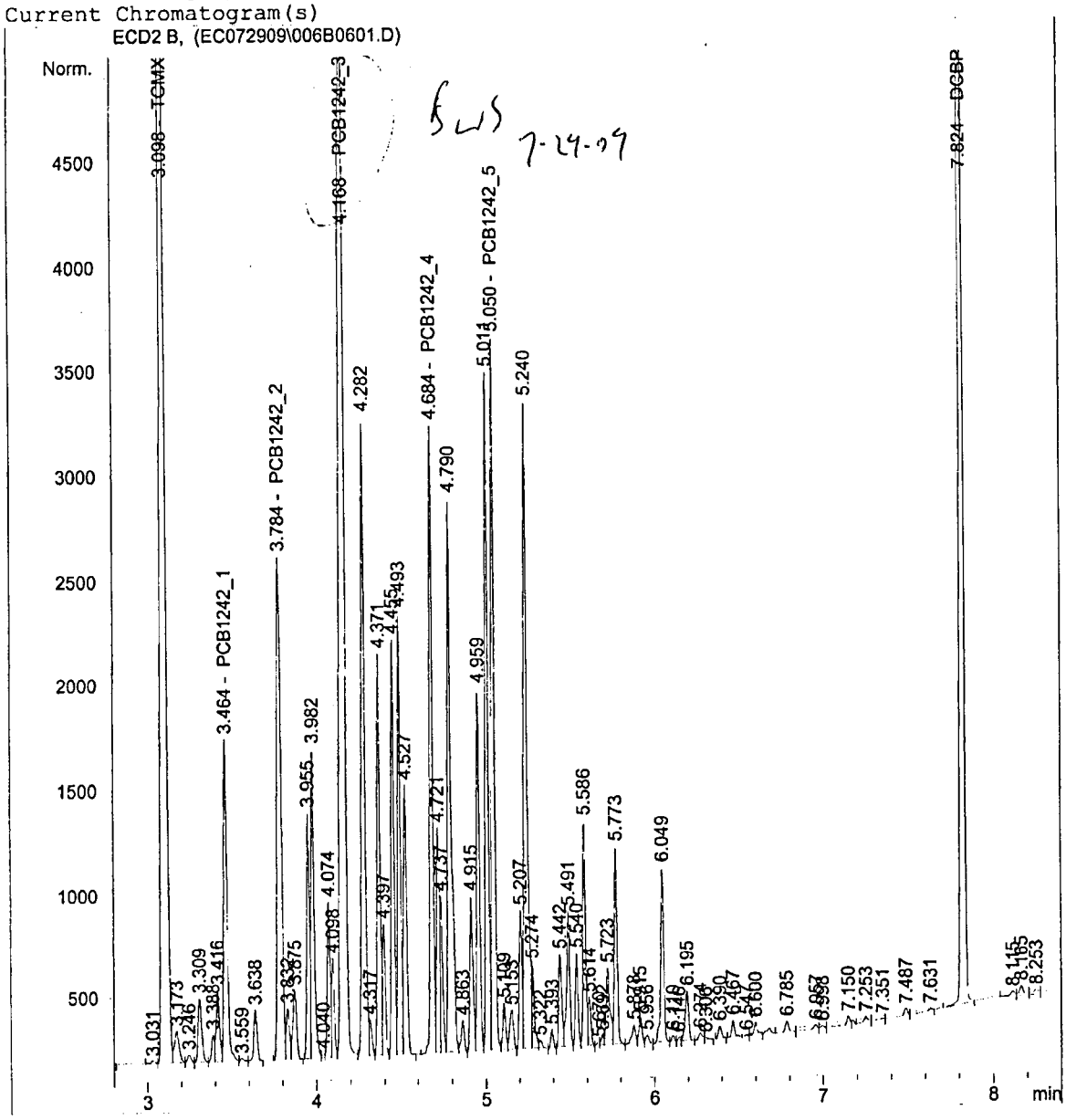
Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.098	VV	1.64451e4	6.94271e-3	114.17360		TCMX
3.464	VV	2257.48926	5.02371e-1	1134.09797		PCB1242_1
3.784	VV	4383.91016	2.50445e-1	1097.92679		PCB1242_2
4.168	FM	7149.21631	1.60525e-1	1147.62563		PCB1242_3
4.684	VV	3355.15479	3.40224e-1	1141.50339		PCB1242_4
5.050	VV	4125.15674	2.81684e-1	1161.98960		PCB1242_5
6.888		-	-	-		DBC
7.824	BB	1.71080e4	6.98283e-3	119.46219		DCBP

Totals : 5916.77918

BWS
7-29-09

Print of all graphic windows
Current Chromatogram(s)



BWS 7-29-09

PCB Calibration Verification Summary

Sample ID: CVS-1248-1000
Instrument ID: ECD2

Date: 29-Jul-09 10:12
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1248	1	4.45676	4.42676	4.48676	1097.631297	1099.129634	-9.91
	2	4.68601	4.65601	4.71601	1080.51427		
	3	5.05215	5.02215	5.08215	1114.84186		
	4	5.24158	5.21158	5.27158	1107.296842		
	5	5.58753	5.55753	5.61753	1095.363902		
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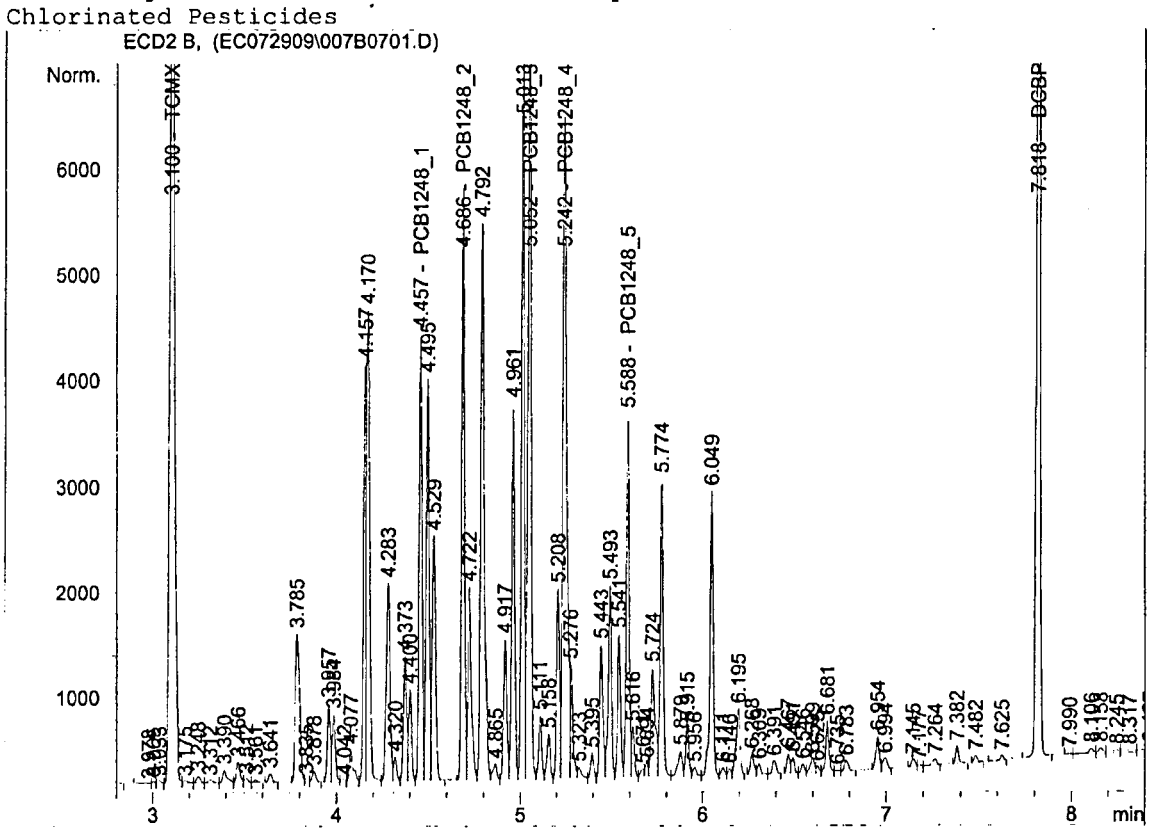
Injection Date : 7/29/2009 10:12:29 AM Seq. Line : 7
Sample Name : cvs-1248-1000 Location : Vial 7
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.100	VV	1.59451e4	6.75444e-3	107.70003		TCMX
4.457	VV	4697.29443	2.33673e-1	1097.63130		PCB1248_1
4.686	VV	6171.53223	1.75080e-1	1080.51427		PCB1248_2
5.052	VV	9289.50586	1.20011e-1	1114.84186		PCB1248_3
5.242	VV	9180.03613	1.20620e-1	1107.29684		PCB1248_4
5.588	VV	3761.99951	2.91165e-1	1095.36390		PCB1248_5
6.887		-	-	-		DBC
7.818	BB	1.66107e4	6.78695e-3	112.73625		DCBP

Totals : 5716.08445

BWS
7-27-09

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 29-Jul-09 23:04
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window				
Compound	Peak	RT	From	To	Concentration	Mean Concentration	%D
Aroclor 1254	1	5.04314	5.01314	5.07314	1012.592443	1036.516823	-3.65
	2	5.20597	5.17597	5.23597	1091.128803		
	3	5.58594	5.55594	5.61594	1008.306226		
	4	5.77234	5.74234	5.80234	999.8316482		
	5	6.19347	6.16347	6.22347	1070.724996		
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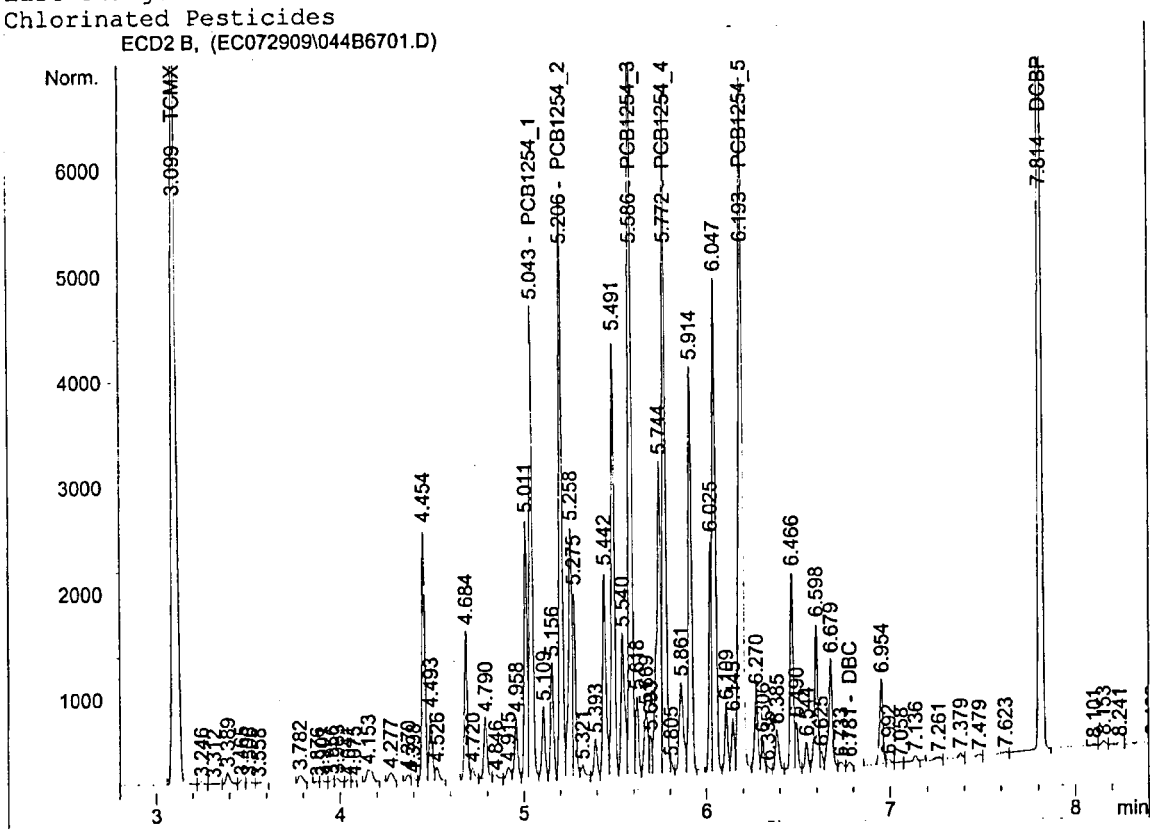
Injection Date : 7/29/2009 11:04:47 PM
Sample Name : cvs-1254-1000
Acq. Operator : BWS
Acq. Instrument : ECD2
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072809\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

Seq. Line : 67
Location : Vial 44
Inj : 1
Inj Volume : 1 µl



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	VV	1.38538e4	7.17120e-3	99.34810		TCMX
5.043	VV	5367.13477	1.88665e-1	1012.59244		PCB1254_1
5.206	VV	6108.58057	1.78622e-1	1091.12880		PCB1254_2
5.586	VV	8991.54297	1.12139e-1	1008.30623		PCB1254_3
5.772	VV	7156.61670	1.39707e-1	999.83165		PCB1254_4
6.193	VV	9478.14941	1.12968e-1	1070.72500		PCB1254_5
6.781	VV	42.97590	0.00000	0.00000		DBC
7.814	VV	1.37865e4	7.12159e-3	98.18156		DCBP
Totals :				5380.11378		

BWS
7-30-09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2

Date: 29-Jul-09 23:17
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window			Mean	
Compound	Peak	RT	From	To	Concentration	Concentration	%D
Aroclor 1016	1	3.46398	3.43398	3.49398	1020.09087	1012.525962	-1.25
	2	3.78368	3.75368	3.81368	998.7092007		
	3	4.16818	4.13818	4.19818	1021.004289		
	4	4.28234	4.25234	4.31234	1007.652625		
	5	4.68381	4.65381	4.71381	1015.172824		
Aroclor 1260	1	5.745	5.715	5.775	1045.813578	1055.010147	-5.50
	2	5.91373	5.88373	5.94373	1041.30906		
	3	6.19254	6.16254	6.22254	1055.657364		
	4	6.67993	6.64993	6.70993	1063.942417		
	5	6.95212	6.92212	6.98212	1068.328314		
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Injection Date  : 7/29/2009 11:17:35 PM          Seq. Line :  68
Sample Name     : cvs-PCB-1000                    Location : Vial 45
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072809\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 7/30/2009 9:07:25 AM by BWS
                  (modified after loading)
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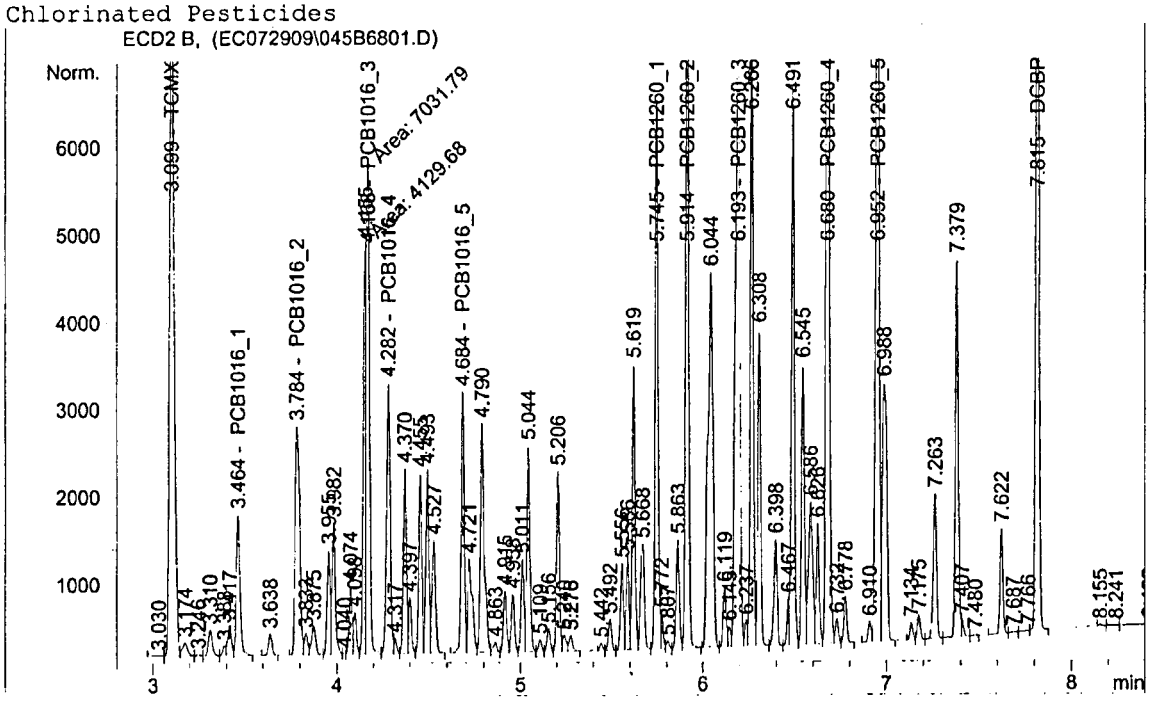
Chlorinated Pesticides

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==================================================================
                      External Standard Report
==================================================================
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Sorted By : Signal
Calib. Data Modified : 7/30/2009 9:07:25 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

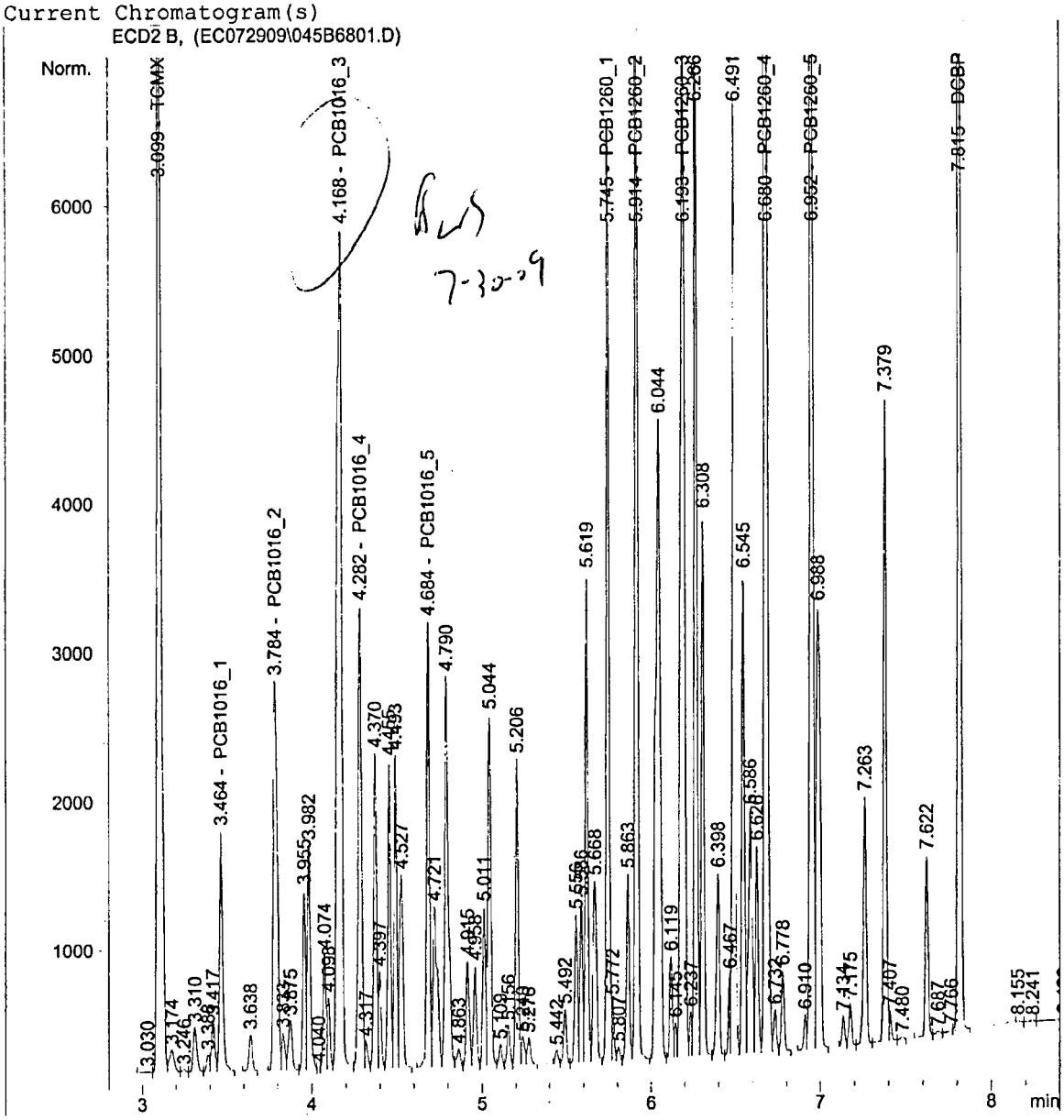
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	VV	1.37625e4	6.98009e-3	96.06352		TCMX
3.464	VB	2265.69360	4.50233e-1	1020.09087		PCB1016_1
3.784	VV	4604.34668	2.16906e-1	998.70920		PCB1016_2
4.168	FM	7031.78516	1.45198e-1	1021.00429		PCB1016_3
4.282	VV	4204.80127	2.39643e-1	1007.65263		PCB1016_4
4.684	VV	3386.71875	2.99751e-1	1015.17282		PCB1016_5
5.745	VV	6986.68994	1.49687e-1	1045.81358		PCB1260_1
5.914	VB	9768.80273	1.06595e-1	1041.30906		PCB1260_2
6.193	VV	1.23499e4	8.54787e-2	1055.65736		PCB1260_3
6.680	VV	1.91855e4	5.54556e-2	1063.94242		PCB1260_4
6.891		-	-	-		DBC
6.952	VV	1.24338e4	8.59215e-2	1068.32831		PCB1260_5
7.815	VB	1.31904e4	7.02646e-3	92.68211		DCBP

Totals : 1.05264e4

BWS 7-30-09

Print of all graphic windows
Current Chromatogram(s)

ECD2 B, (EC072909\045B6801.D)



BWS
7-30-09

PCB Calibration Verification Summary

Sample ID: CVS-1254-1000
Instrument ID: ECD2

Date: 30-Jul-09 01:01
ICAL Reference Date: 6/16/2009
Column: Back

			RT Window				
Compound	Peak	RT	From	To	Concentration	Mean Concentration	%D
Aroclor 1254	1	5.04342	5.01342	5.07342	1024.17262	1039.763725	-3.98
	2	5.20657	5.17657	5.23657	1099.72291		
	3	5.58644	5.55644	5.61644	998.8731968		
	4	5.77254	5.74254	5.80254	1006.498165		
	5	6.19401	6.16401	6.22401	1069.551734		
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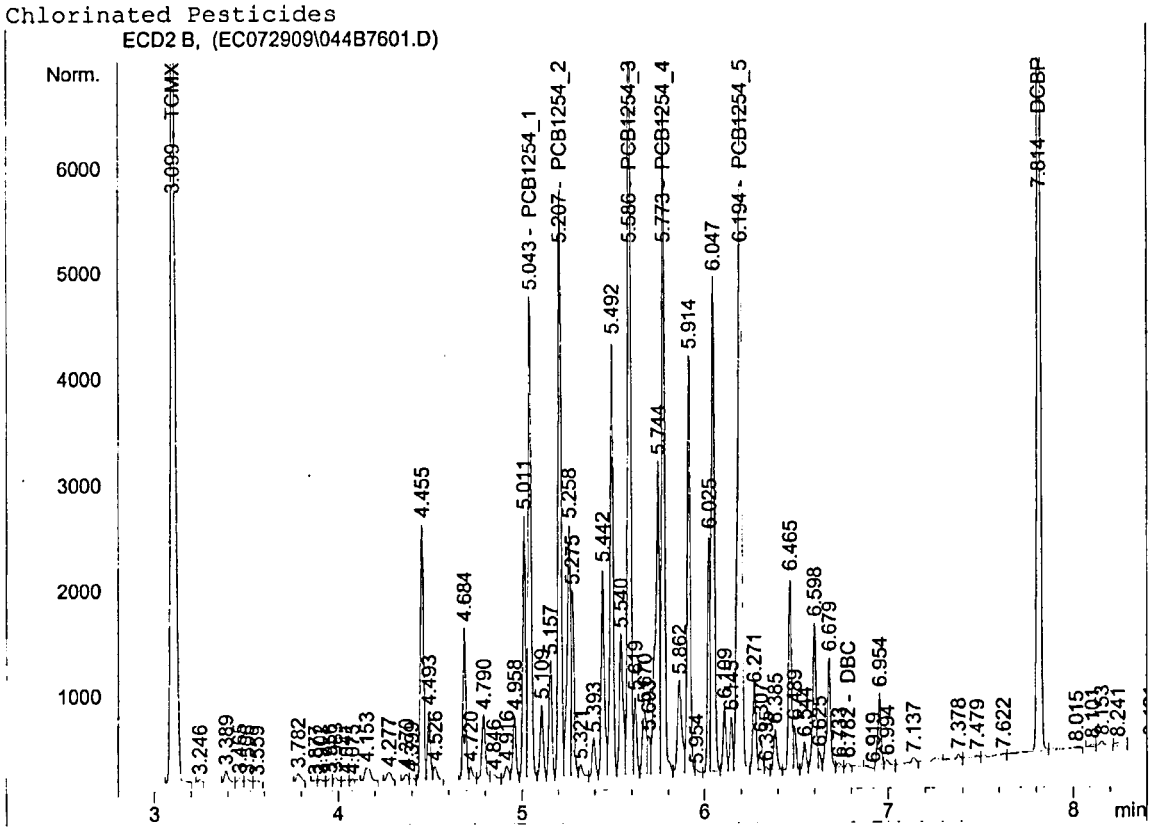
Injection Date : 7/30/2009 1:01:01 AM Seq. Line : 76
Sample Name : cvs-1254-1000 Location : Vial 44
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072809\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	VB	1.40532e4	7.16852e-3	100.74099		TCMX
5.043	VV	5429.27148	1.88639e-1	1024.17262		PCB1254_1
5.207	VV	6156.04102	1.78641e-1	1099.72291		PCB1254_2
5.586	VV	8905.62402	1.12162e-1	998.87320		PCB1254_3
5.773	VV	7205.05176	1.39693e-1	1006.49816		PCB1254_4
6.194	VV	9467.71777	1.12968e-1	1069.55173		PCB1254_5
6.782	VV	44.53294	0.00000	0.00000		DBC
7.814	VV	1.40668e4	7.11834e-3	100.13264		DCBP

Totals : 5399.69226

BWS
7-30-09

PCB Calibration Verification Summary

Sample ID: CVS-PCB-1000
Instrument ID: ECD2
Date: 30-Jul-09 01:13
ICAL Reference Date: 6/16/2009
Column: Back

Compound	Peak	RT	RT Window		Concentration	Mean Concentration	%D
			From	To			
Aroclor 1016	1	3.46455	3.43455	3.49455	1028.915009	1025.261041	-2.53
	2	3.78374	3.75374	3.81374	1007.794245		
	3	4.16814	4.13814	4.19814	1047.018944		
	4	4.28216	4.25216	4.31216	1016.123094		
	5	4.68359	4.65359	4.71359	1026.453915		
Aroclor 1260	1	5.74461	5.71461	5.77461	1055.209453	1064.395659	-6.44
	2	5.91337	5.88337	5.94337	1050.129937		
	3	6.19192	6.16192	6.22192	1064.424786		
	4	6.67946	6.64946	6.70946	1074.54533		
	5	6.95114	6.92114	6.98114	1077.668788		
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==========================================================================
Injection Date  : 7/30/2009 1:13:39 AM          Seq. Line :  77
Sample Name     : cvs-PCB-1000                   Location : Vial 45
Acq. Operator   : BWS                                Inj :   1
Acq. Instrument : ECD2                         Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072809\PCBMET~1\PCBMET~1\PCBR.M
Last changed    : 7/30/2009 9:09:17 AM by BWS
                  (modified after loading)
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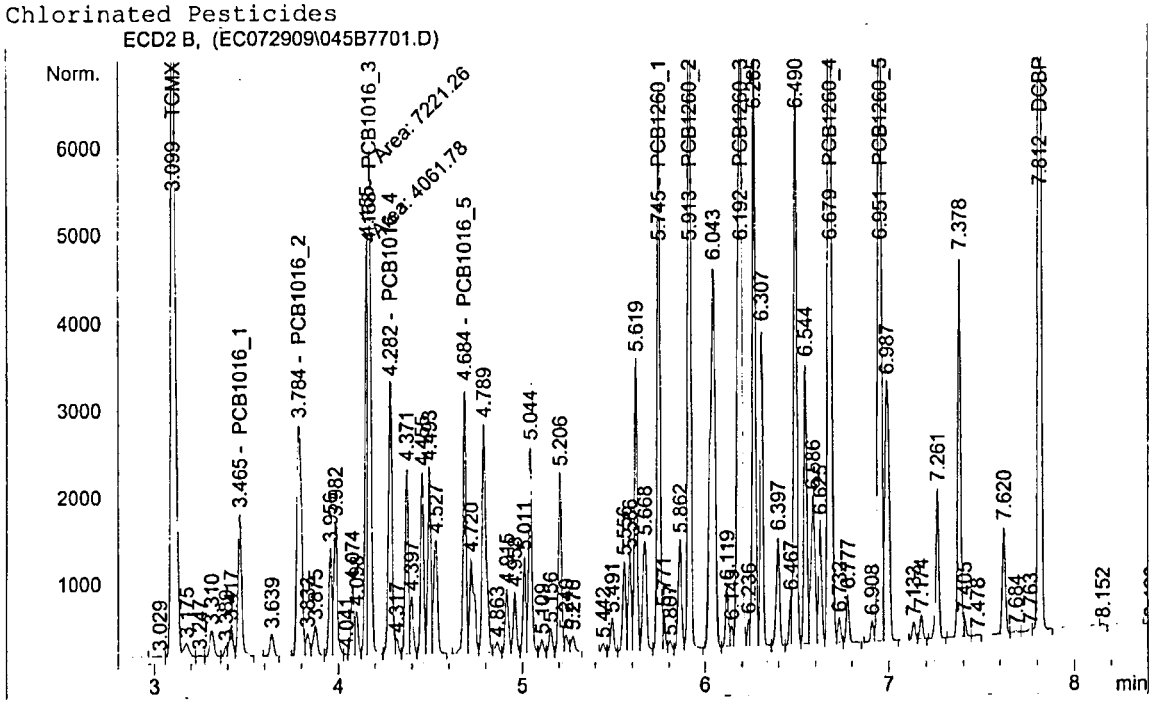
Chlorinated Pesticides

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==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/30/2009 9:09:17 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

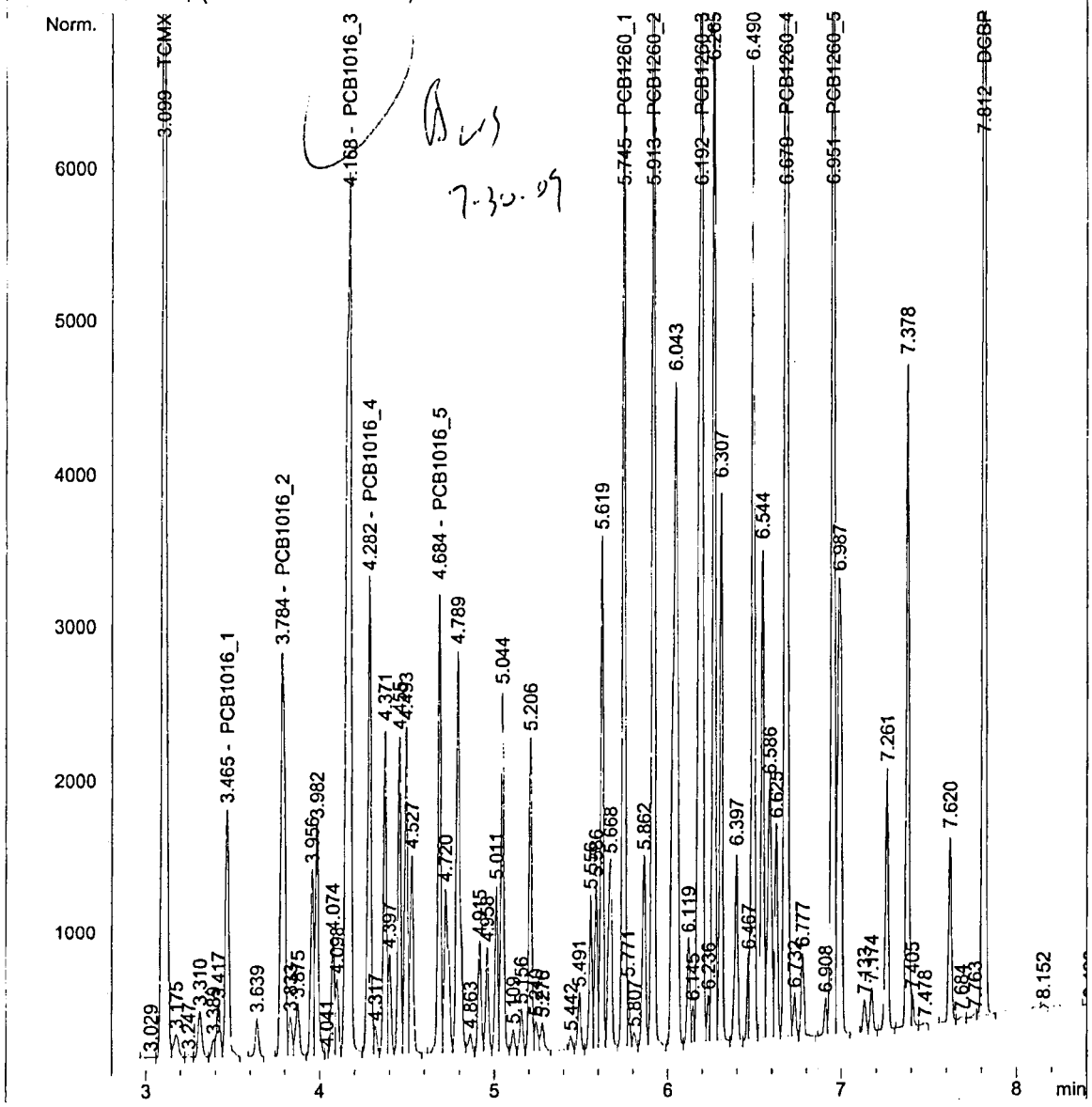
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	VV	1.38806e4	6.97831e-3	96.86341		TCMX
3.465	VB	2285.30835	4.50230e-1	1028.91501		PCB1016_1
3.784	VV	4646.70117	2.16884e-1	1007.79425		PCB1016_2
4.168	FM	7221.25586	1.44991e-1	1047.01894		PCB1016_3
4.282	VV	4240.55127	2.39621e-1	1016.12309		PCB1016_4
4.684	VV	3424.91895	2.99702e-1	1026.45392		PCB1016_5
5.745	VV	7050.40723	1.49666e-1	1055.20945		PCB1260_1
5.913	VB	9853.11230	1.06579e-1	1050.12994		PCB1260_2
6.192	VV	1.24555e4	8.54583e-2	1064.42479		PCB1260_3
6.679	VV	1.93820e4	5.54403e-2	1074.54533		PCB1260_4
6.891		-	-	-		DBC
6.951	VV	1.25453e4	8.59022e-2	1077.66879		PCB1260_5
7.812	VB	1.33816e4	7.02387e-3	93.99072		DCBP

Totals : 1.06391e4

BWS
7-30-09

Print of all graphic windows
Current Chromatogram(s)

ECD2 B, (EC072909\045B7701.D)



8082 QC, Blanks Raw Data

Paradigm Analytical Laboratories, INC.

4C

8082 METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB14760

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: PB14760 Extraction: (Type) 3541

Matrix: (soil/water) SOIL Date Extracted: 2009-07-29

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID
01	GYD-CS-14	G368-76-1G
02	GYD-CS-15	G368-76-2D
03	GYD-CS-16	G368-76-3D
04	G368-76-3E MS	G368-76-3E MS
05	G368-76-3F MSD	G368-76-3F MSD
06		
07		
08		
09		
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COMMENTS: _____

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB14760
Lab Project ID:
Initial Wt/Vol: 32.0 g
Final Volume: 10 mL
ColumnID: STX-CLPest

Analyzed By: BWS
Date Collected:
Date Received:
Date Extracted: 7/29/2009
Matrix: SOIL
%SOLIDS: 100.0
Report Basis: Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	31.2	1.78	1	07/29/09	
Aroclor-1221	BQL	31.2	7.78	1	07/29/09	
Aroclor-1232	BQL	31.2	4.31	1	07/29/09	
Aroclor-1242	BQL	31.2	2.85	1	07/29/09	
Aroclor-1248	BQL	31.2	1.39	1	07/29/09	
Aroclor-1254	BQL	31.2	9.22	1	07/29/09	
Aroclor-1260	BQL	31.2	2.58	1	07/29/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	105	105
DCBP	100	108	108

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By:

8082.xls

QC Results for PCBs
by EPA 8082

Client Sample ID: Batch QC
Lab Sample ID: G368-76-3D
MS Lab ID: G368-76-3E
MSD Lab ID: G368-76-3F

Analyzed By: BWS
Matrix: SOIL
Solids: 86.21

Matrix Spike / Matrix Spike Duplicate Summary Results

Analyte	Sample ug/KG	Spiked ug/KG	MS ug/KG	%REC (Limit 40.8-116	Spiked ug/KG	MSD ug/KG	%REC (Limit 40.8-116)	RPD (Limit 24.7)
Aroclor-1254	BQL	338	331	97.9	362	338	93.4	4.7

Surrogate Standards	Spike Added	Result ug/L	REC %		Result ug/L	REC %	Limits
TCMX	100	83	83		82.6	82.6	40 - 120
DCBP	100	91.3	91.3		95.3	95	40 - 120

Sample Preparation and Analysis Summary

Sample Analysis Date/Time: 7/30/09 0:22
Batch/Filename: 069B7301.D 069B7301.D
MS Analysis Date/Time: 7/30/09 0:35
MS Batch/Filename: EC072909 070B7401.D
MSD Analysis Date/Time: 7/30/09 0:48
MSD Batch/Filename: EC072909 071B7501.D

Prep Batch ID: 14760
Extraction Date: 07/29/09
Prep method: 3541
Sample Initial Amount: 33.80 G
MS Initial Amount: 34.30 G
MSD Initial Amount: 32.01 G
Final Extract Volume: 10.0 ML

Laboratory Control Spike Summary Results

Analyte	Spiked ug/KG	Result ug/KG	REC %	Limits Lower	Limits Upper
Aroclor-1254	313	368	118	69	129

Surrogate Standards	Spike Added	Result ug/L	REC %	Limits Lower	Limits Upper
TCMX	100	102	102	40	120
DCBP	100	108	108	40	120

Preparation and Analysis Summary

LCS Labid: LCS14760
LCS Analyst: BWS
Analysis Date/Time: 7/29/09 23:43
Filename: 066B7001.D
Analytical Batch: EC072909

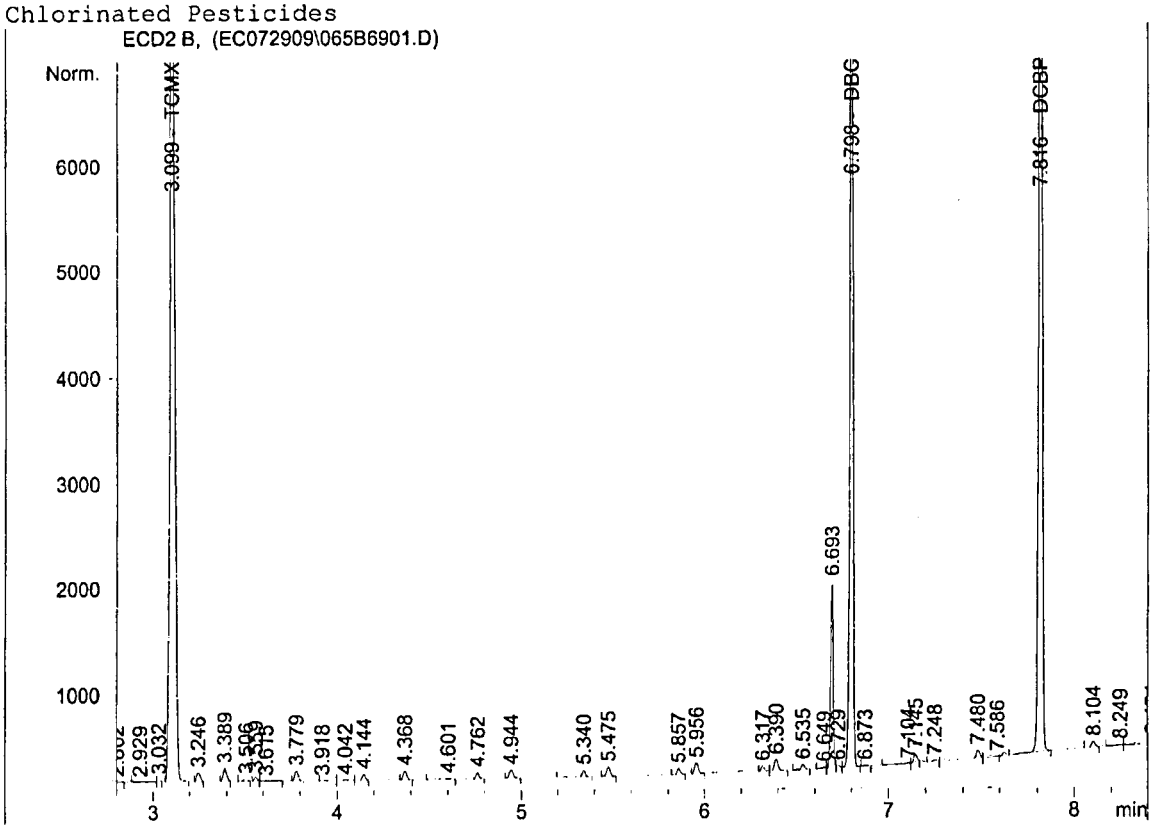
Prep Batch ID: 14760
Extraction Date: 07/29/09
Prep method: 3541
Initial Weight / Volume: 32.0 G
Final Extract Volume: 10.0 ML

Comments:

= Outside Control Limits

Reviewed by:

```
==================================================================
Injection Date  : 7/29/2009 11:30:26 PM          Seq. Line :  69
Sample Name     : PB14760 x1                      Location : Vial 65
Acq. Operator   : BWS                                  Inj :   1
Acq. Instrument : ECD2                           Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
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Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

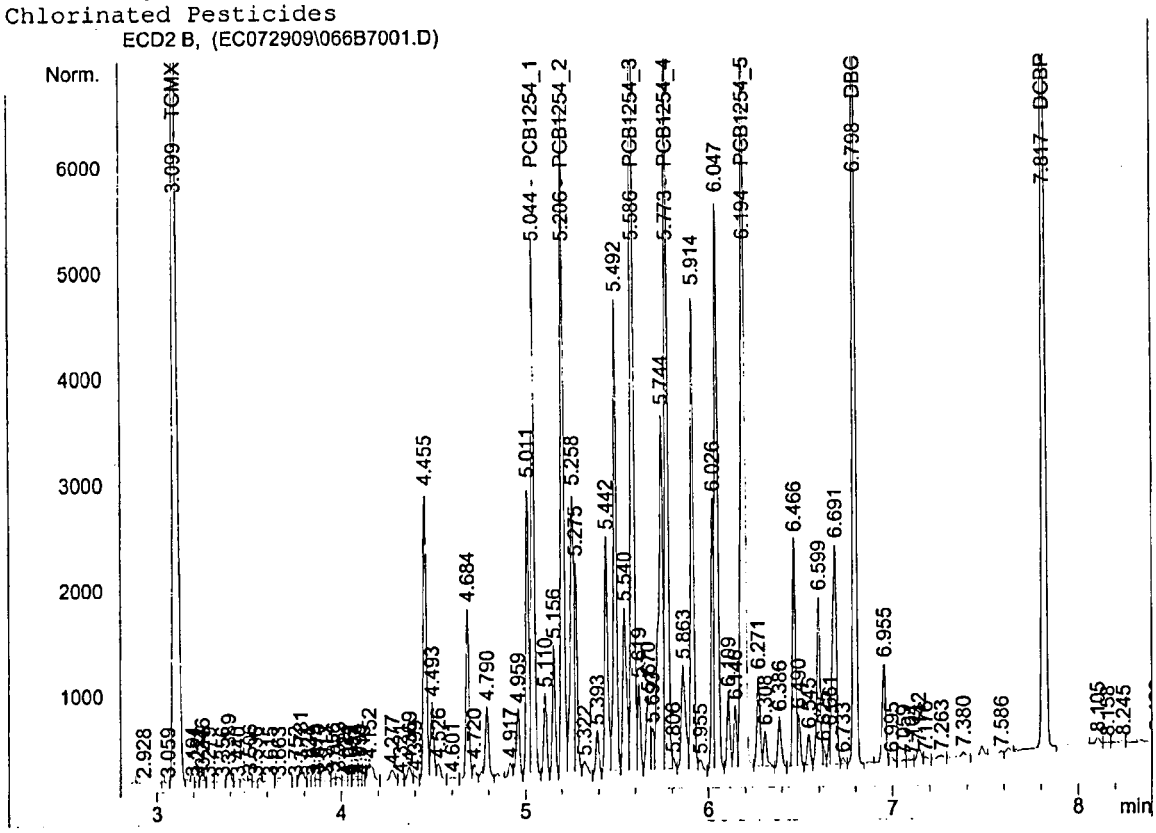
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	PV	1.46696e4	7.16072e-3	105.04457		TCMX
5.059		-	-	-		PCB1254_1
5.221		-	-	-		PCB1254_2
5.601		-	-	-		PCB1254_3
5.787		-	-	-		PCB1254_4
6.208		-	-	-		PCB1254_5
6.798	VB	1.00424e4	0.00000	0.00000		DBC
7.816	VB	1.52722e4	7.10574e-3	108.52012		DCBP

Totals : 213.56468

BWS
7-30-09

Injection Date : 7/29/2009 11:43:27 PM
Sample Name : LCS14760 x1
Acq. Operator : BWS
Acq. Instrument : ECD2
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

Seq. Line : 70
Location : Vial 66
Inj : 1
Inj Volume : 1 µl



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	PV	1.42612e4	7.16582e-3	102.19289		TCMX
5.044	VV	5983.29150	1.88429e-1	1127.42316		PCB1254_1
5.206	VV	6945.64355	1.78918e-1	1242.70361		PCB1254_2
5.586	VV	1.02909e4	1.11843e-1	1150.96785		PCB1254_3
5.773	VV	8211.87305	1.39441e-1	1145.07529		PCB1254_4
6.194	VV	1.08993e4	1.12903e-1	1230.56138		PCB1254_5
6.798	VBA	9902.79297	0.00000	0.00000		DBC
7.817	VB	1.51278e4	7.10714e-3	107.51517		DCBP

Totals : 6106.43936

BWS
7-30-09

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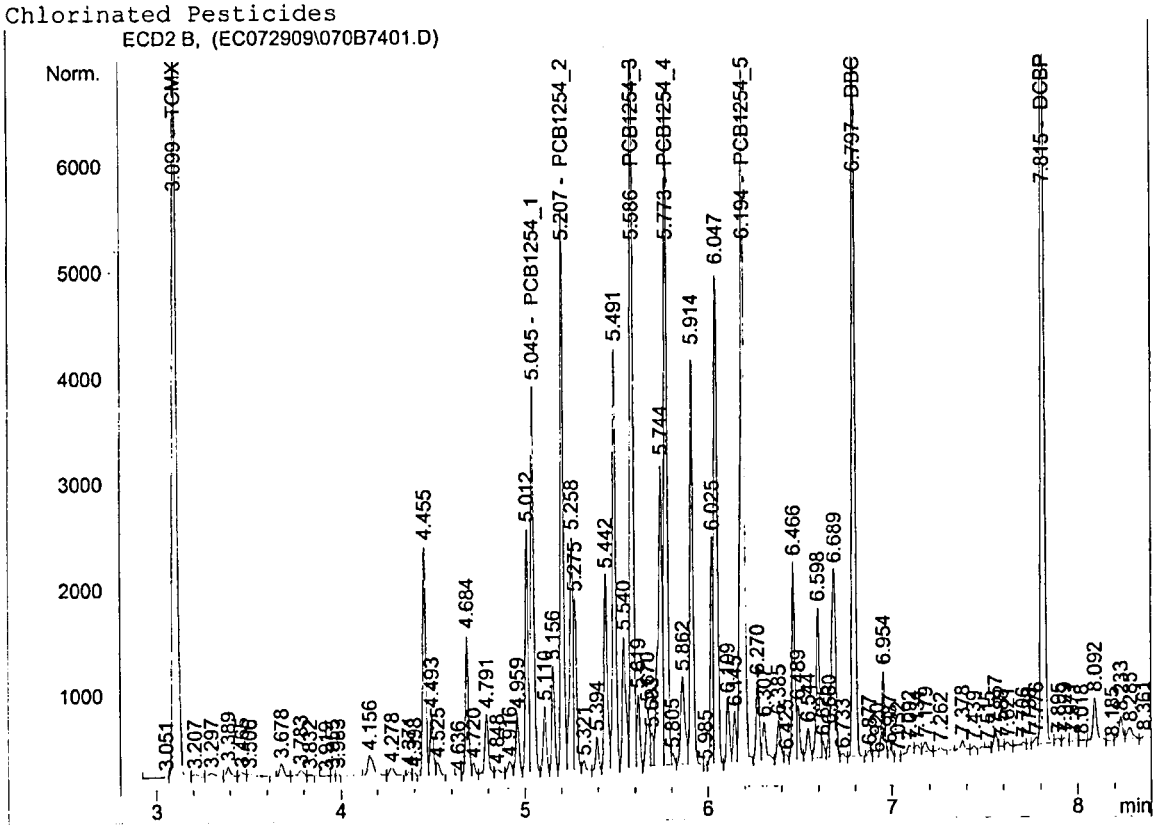
Injection Date : 7/30/2009 12:35:09 AM
Sample Name : 636329 MS x1
Acq. Operator : BWS
Acq. Instrument : ECD2
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

Seq. Line : 74
Location : Vial 70
Inj : 1
Inj Volume : 1 µl

6368-76-3E
MS



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	VV	1.15060e4	7.20965e-3	82.95421		TCMX
5.045	VV	4429.23877	1.89152e-1	837.80043		PCB1254_1
5.207	VV	5801.16943	1.78492e-1	1035.46300		PCB1254_2
5.586	VV	8667.00684	1.12227e-1	972.67545		PCB1254_3
5.773	VV	6931.35352	1.39775e-1	968.82682		PCB1254_4
6.194	VV	9528.03320	1.12965e-1	1076.33550		PCB1254_5
6.797	VV	8963.88965	0.00000	0.00000		DBC
7.815	VV	1.27991e4	7.13416e-3	91.31092		DCBP
Totals :				5065.36633		

BW
7-30-09

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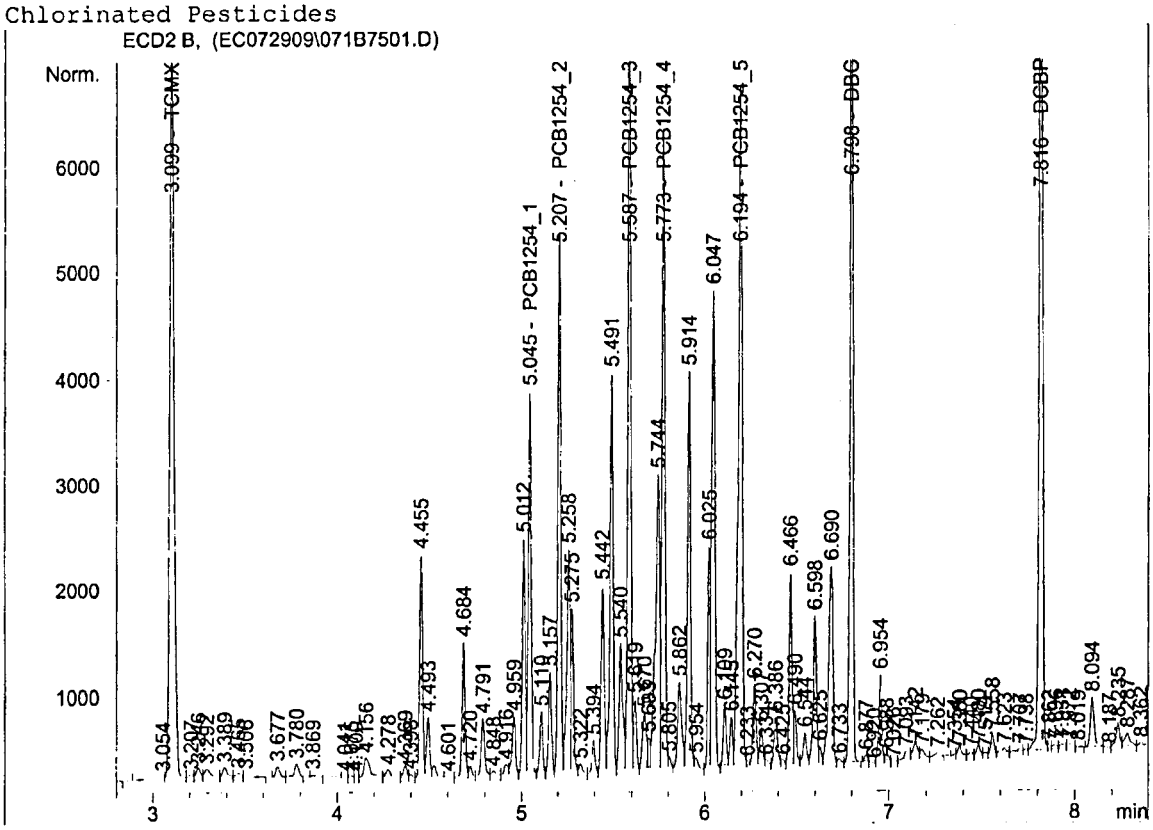
Injection Date : 7/30/2009 12:48:06 AM Seq. Line : 75
Sample Name : 636330 MSD x1 Location : Vial 71
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~1\1254R.M
Last changed : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides

6368-76-3F
MSD



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:58:58 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	VB	1.14551e4	7.21066e-3	82.59850		TCMX
5.045	VV	4216.95117	1.89292e-1	798.23722		PCB1254_1
5.207	VV	5475.18555	1.78338e-1	976.43405		PCB1254_2
5.587	VV	8236.36816	1.12355e-1	925.39569		PCB1254_3
5.773	VV	6616.16895	1.39876e-1	925.44536		PCB1254_4
6.194	VV	9163.71777	1.12985e-1	1035.36040		PCB1254_5
6.798	VBA	8814.35059	0.00000	0.00000		DBC
7.816	VV	1.33778e4	7.12657e-3	95.33816		DCBP

Totals : 4838.80940

BWS
7-30-09

Paradigm Analytical Laboratories, INC.

II

SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	S1 (TCMX) #	S2 (DCBP) #	QC LIMITS	TOT OUT
01	GYD-CS-14	G368-76-1G	72.9	90.9	40 - 140	
02	GYD-CS-15	G368-76-2D	84.1	88.7	40 - 140	
03	GYD-CS-16	G368-76-3D	84.7	93.8	40 - 140	
04						
05						
06						
07						
08						
09						
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S1 (TCMX) = Tetrachloro-m-xylene
S2 (DBCP) = Decachlorobiphenyl

8082 Sample Raw Data

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-14	Analyzed By:	BWS
Client Project ID:	Goodyear Dump 05-001-0098	Date Collected:	7/28/2009 11:41
Lab Sample ID:	G368-76-1G	Date Received:	7/29/2009
Lab Project ID:	G368-76	Date Extracted:	7/29/2009
Initial Wt/Vol:	35.54 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	80.5
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	34.9	1.99	1	07/29/09	
Aroclor-1221	BQL	34.9	8.70	1	07/29/09	
Aroclor-1232	BQL	34.9	4.82	1	07/29/09	
Aroclor-1242	BQL	34.9	3.19	1	07/29/09	
Aroclor-1248	**69.1**	34.9	1.55	1	07/29/09	
Aroclor-1254	BQL	34.9	10.3	1	07/29/09	
Aroclor-1260	**30.0**	34.9	2.88	1	07/29/09	J

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	72.9	72.9
DCBP	100	90.9	90.9

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-15	Analyzed By:	BWS
Client Project ID:	Goodyear Dump 05-001-0098	Date Collected:	7/28/2009 11:56
Lab Sample ID:	G368-76-2D	Date Received:	7/29/2009
Lab Project ID:	G368-76	Date Extracted:	7/29/2009
Initial Wt/Vol:	33.32 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	80.9
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	37.1	2.12	1	07/30/09	
Aroclor-1221	BQL	37.1	9.24	1	07/30/09	
Aroclor-1232	BQL	37.1	5.12	1	07/30/09	
Aroclor-1242	BQL	37.1	3.38	1	07/30/09	
Aroclor-1248	**64.1**	37.1	1.65	1	07/30/09	
Aroclor-1254	BQL	37.1	10.9	1	07/30/09	
Aroclor-1260	BQL	37.1	3.06	1	07/30/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	84.1	84.1
DCBP	100	88.7	88.7

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

Results for PCBs
by EPA 8082

Client Sample ID:	GYD-CS-16	Analyzed By:	BWS
Client Project ID:	Goodyear Dump 05-001-0098	Date Collected:	7/28/2009 12:18
Lab Sample ID:	G368-76-3D	Date Received:	7/29/2009
Lab Project ID:	G368-76	Date Extracted:	7/29/2009
Initial Wt/Vol:	33.80 g	Matrix:	Soil
Final Volume:	10 mL	%SOLIDS:	86.2
ColumnID:	STX-CLPest	Report Basis:	Dry Weight

Compound	Result ug/KG	Quantitation Limit ug/KG	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	34.3	1.96	1	07/30/09	
Aroclor-1221	BQL	34.3	8.54	1	07/30/09	
Aroclor-1232	BQL	34.3	4.74	1	07/30/09	
Aroclor-1242	BQL	34.3	3.13	1	07/30/09	
Aroclor-1248	BQL	34.3	1.53	1	07/30/09	
Aroclor-1254	BQL	34.3	10.1	1	07/30/09	
Aroclor-1260	BQL	34.3	2.83	1	07/30/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	84.7	84.7
DCBP	100	93.8	93.8

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082.xls

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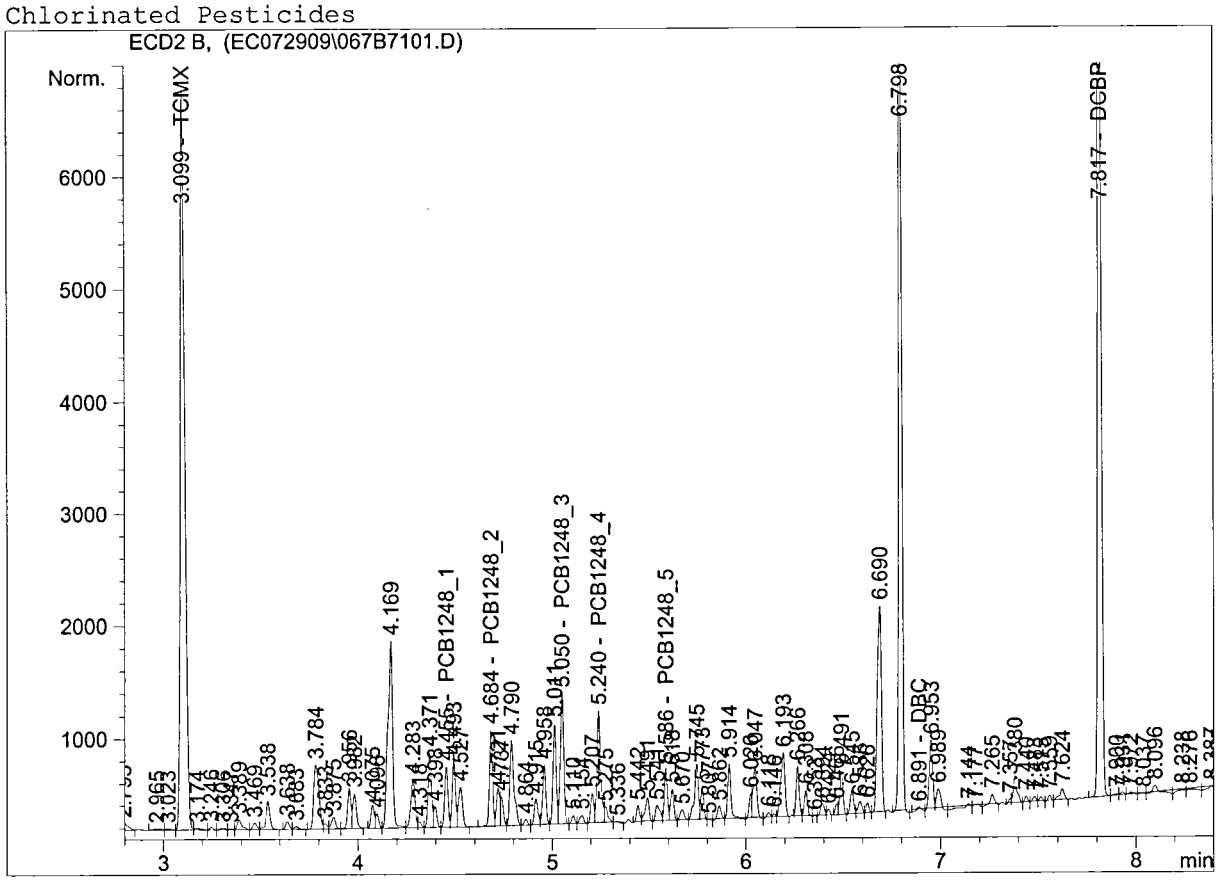
Injection Date : 7/29/2009 11:56:26 PM Seq. Line : 71
Sample Name : G368-76-1G x1 Location : Vial 67
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~1\1248R.M
Last changed : 6/22/2009 9:39:08 AM by BWS
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 9:21:03 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.099	VV	1.05081e4	6.93479e-3	72.87158	✓	TCMX
4.455	VV	629.99866	2.85690e-1	179.98445		PCB1248_1
4.684	VV	979.53906	2.12030e-1	207.69175		PCB1248_2
5.050	VV	1439.27869	1.45860e-1	209.93354		PCB1248_3
5.240	VV	1366.48633	1.51424e-1	206.91937		PCB1248_4
5.586	VV	495.39755	3.72910e-1	184.73863		PCB1248_5
6.891	BV N	34.31956	3.21761e-2	1.10427		DBC
7.817	PV	1.32499e4	6.86255e-3	90.92807	✓	DCBP

Totals : 1154.17165

BWS 69.116
7-30-09

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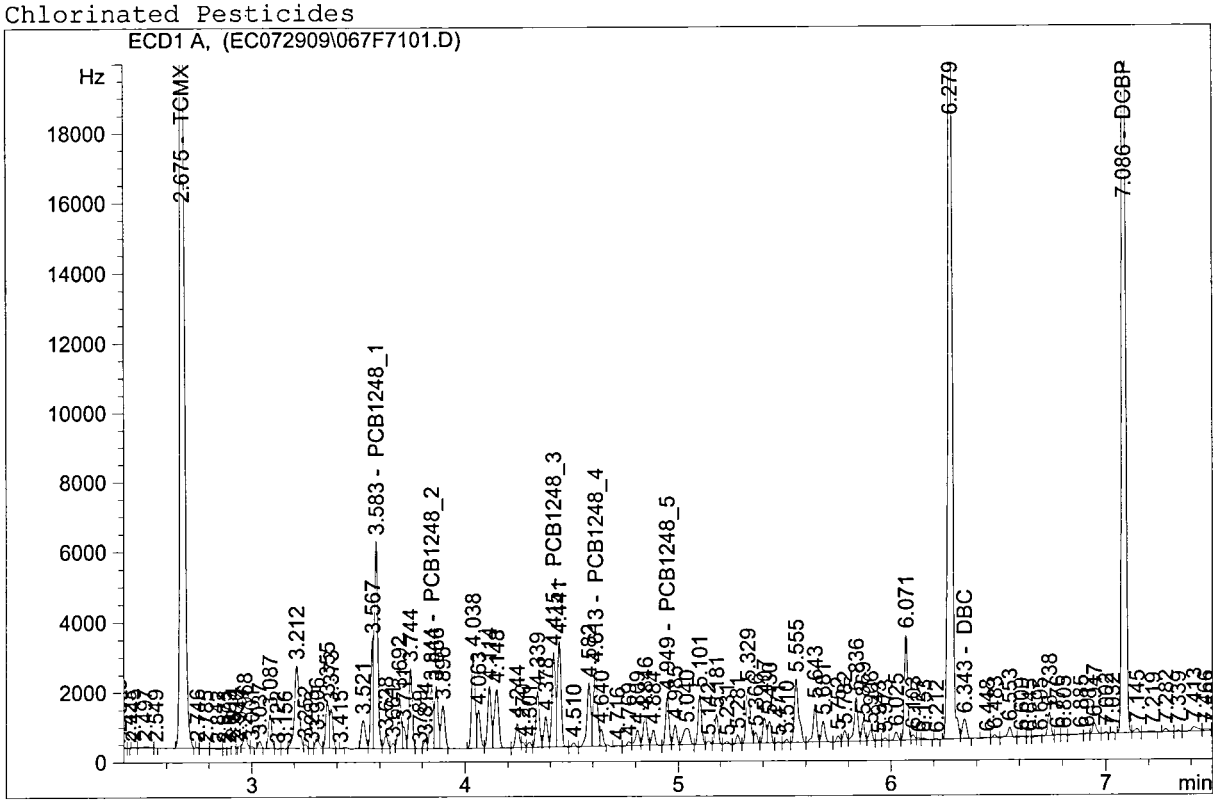
Injection Date : 7/29/2009 11:43:27 PM Seq. Line : 71
Sample Name : G368-76-1G x1 Location : Vial 67
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~2\1248F.M
Last changed : 7/30/2009 9:59:41 AM by BWS
(modified after loading)

Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:02:53 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Confirmation Only

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.675	PP	4.11189e4	1.66064e-3	68.28373		TCMX
3.583	VV	7046.38281	5.98941e-2	422.03670		PCB1248_1
3.844	VV	1908.59399	8.57579e-2	163.67706		PCB1248_2
4.415	VV	3106.98535	4.88877e-2	151.89351		PCB1248_3
4.613	VV	2954.73145	5.96938e-2	176.37905		PCB1248_4
4.949	VV	1481.74292	1.05783e-1	156.74279		PCB1248_5
6.343	VV	759.59045	2.61788e-1	198.85173		DBC
7.086	PV	3.76546e4	2.04760e-3	77.10157		DCBP

Totals : 1414.96614

BW
7-30-09

Results obtained with enhanced integrator!

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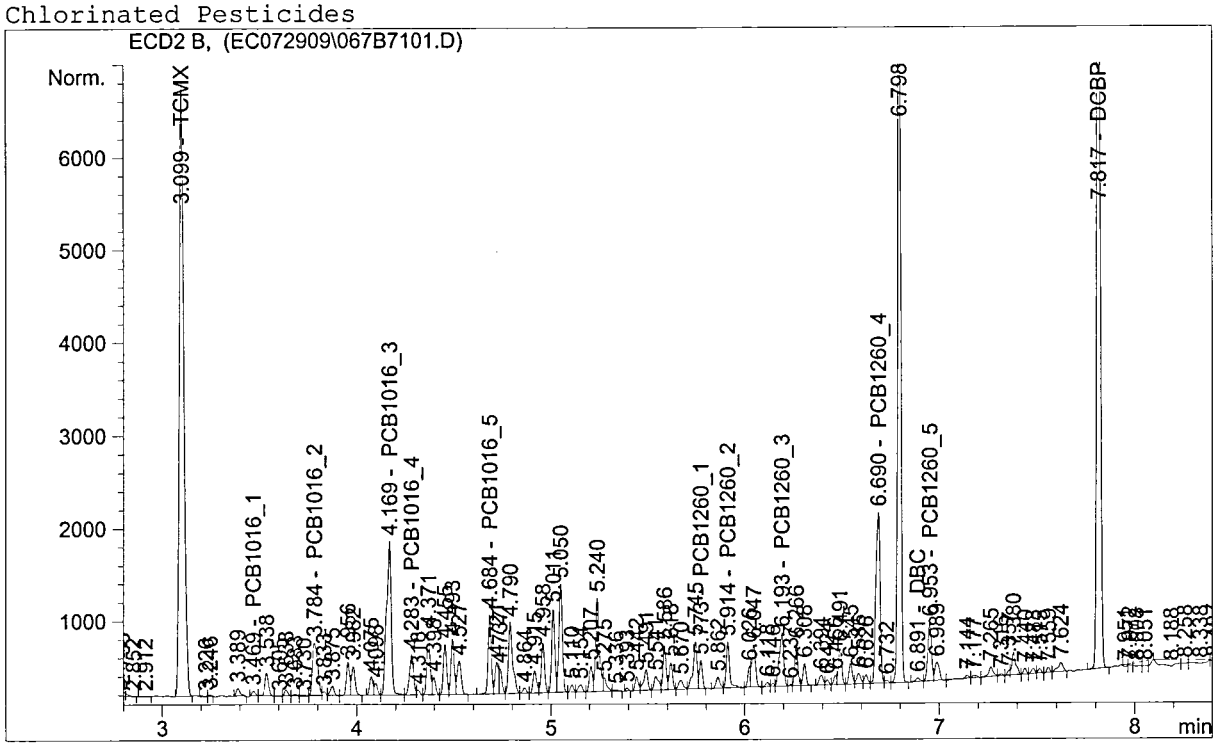
Injection Date : 7/29/2009 11:56:26 PM Seq. Line : 71
Sample Name : G368-76-1G x1 Location : Vial 67
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~1\PCBR.M
Last changed : 7/30/2009 9:39:05 AM by BWS
(modified after loading)

Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 10:11:39 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	PV	1.04697e4	7.04605e-3	73.77017		TCMX
3.469	PV	58.84241	4.63761e-1	27.28882		PCB1016_1
3.784	PV	1025.05273	2.25306e-1	230.95015		PCB1016_2
4.169	VV	2819.11450	1.56999e-1	442.59733		PCB1016_3
4.283	VV	672.81995	2.53855e-1	170.79840		PCB1016_4
4.684	VV	984.24207	3.10580e-1	305.68542		PCB1016_5
5.773	VV	328.34418	1.94799e-1	63.96096		PCB1260_1
5.914	VV	581.38245	1.37735e-1	80.07659		PCB1260_2
6.193	VV	910.83209	1.15782e-1	105.45811		PCB1260_3
6.690	VV	2795.97803	6.43458e-2	179.90954		~~PCB1260_4~~
6.891	BV	61.14413	5.97174e-2	3.65137		DBC
6.953	VV	793.68744	1.17804e-1	93.49987		PCB1260_5
7.817	BV	1.32345e4	7.02586e-3	92.98372		DCBP

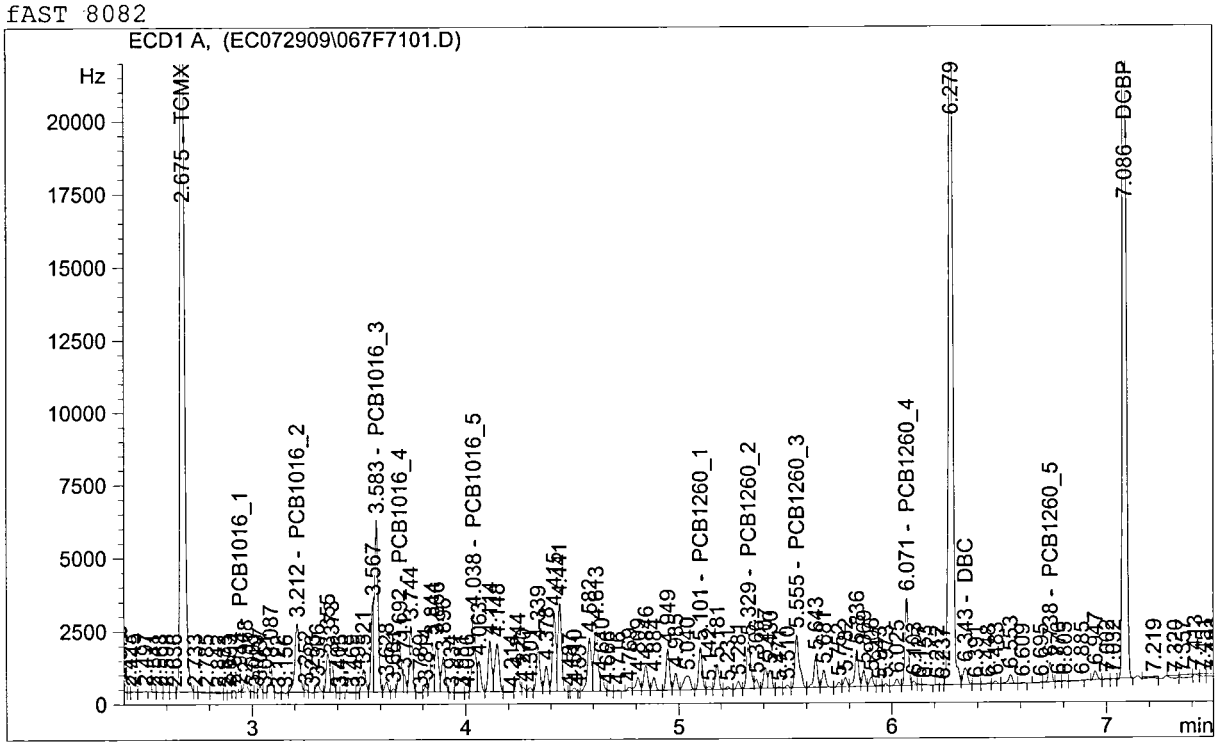
Totals : 1870.63043

4 Peaks 1260
BJS
7-30-09

==========

Injection Date : 7/29/2009 11:43:27 PM Seq. Line : 71
Sample Name : G368-76-1G x1 Location : Vial 67
Acq. Operator : BWS Inj : 1
Acq. Instrument : ECD2 Inj Volume : 1 µl
Acq. Method : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~2\PCBF.M
Last changed : 7/30/2009 10:00:16 AM by BWS
(modified after loading)

fAST 8082



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:15:09 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Confirmation Only

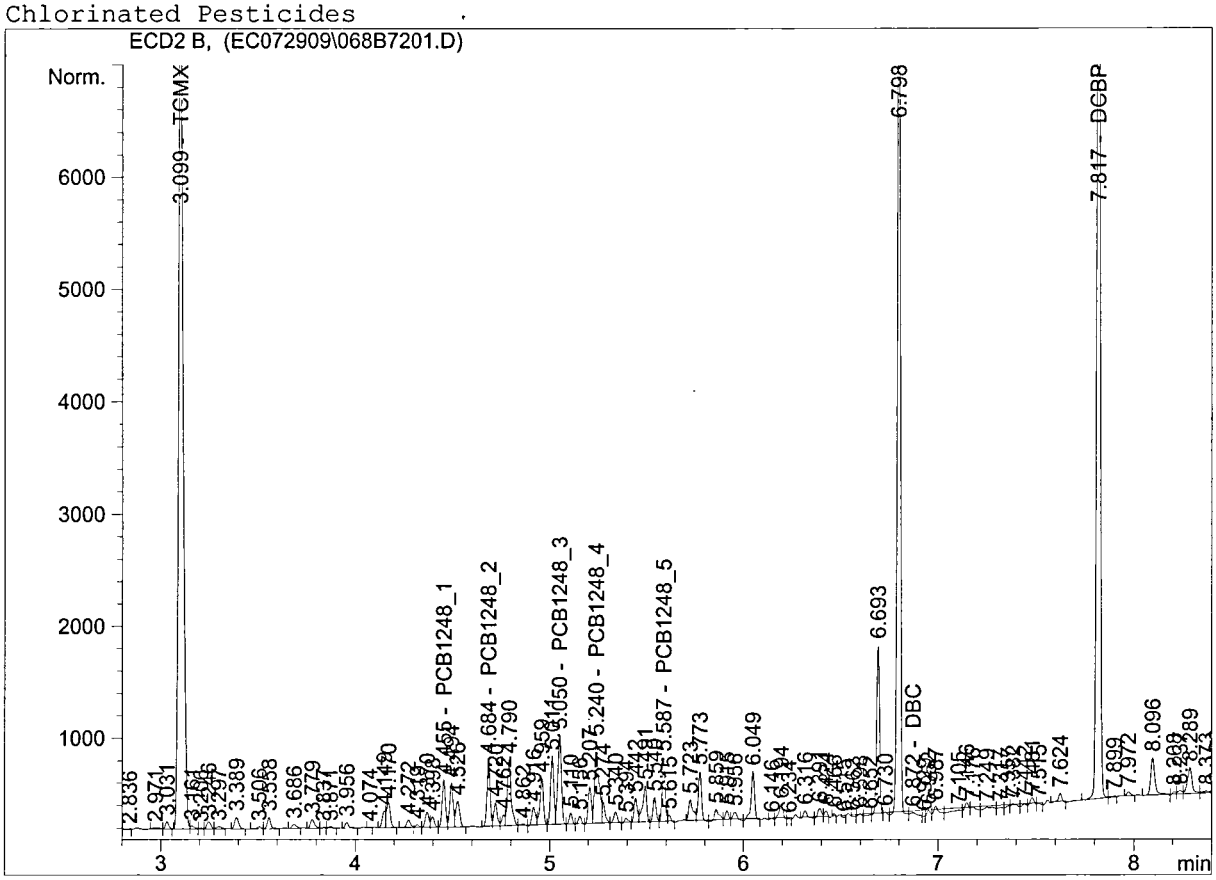
Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.675	PP	4.10245e4	1.68724e-3	69.21805		TCMX
2.944	PV	30.08918	0.00000	0.00000		PCB1016_1
3.212	PV	3639.98926	5.60277e-2	203.94021		PCB1016_2
3.583	VV	6980.42871	4.08657e-2	285.25979		PCB1016_3
3.692	VV	1686.62085	6.16557e-2	103.98980		PCB1016_4
4.038	PV	3099.65308	7.87023e-2	243.94998		PCB1016_5
5.101	VV	1623.58057	4.80497e-2	78.01254		PCB1260_1
5.329	VV	2217.93018	3.17560e-2	70.43258		PCB1260_2
5.555	VV	2580.22461	3.04781e-2	78.64039		PCB1260_3
6.071	VV	3155.76196	2.50918e-2	79.18368		PCB1260_4
6.343	VV	780.52185	9.07537e-3	7.08352		DBC
6.738	VV	710.46106	1.03847e-1	73.77933		PCB1260_5
7.086	VV	3.74611e4	2.07154e-3	77.60234		DCBP

Totals : 1371.09221

BWS
7-30-09

```
==================================================================
Injection Date  : 7/30/2009 12:09:20 AM          Seq. Line :  72
Sample Name     : G368-76-2D x1                   Location : Vial 68
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~1\1248R.M
Last changed    : 7/30/2009 9:35:22 AM by BWS
                  (modified after loading)
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      7/30/2009 9:35:22 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

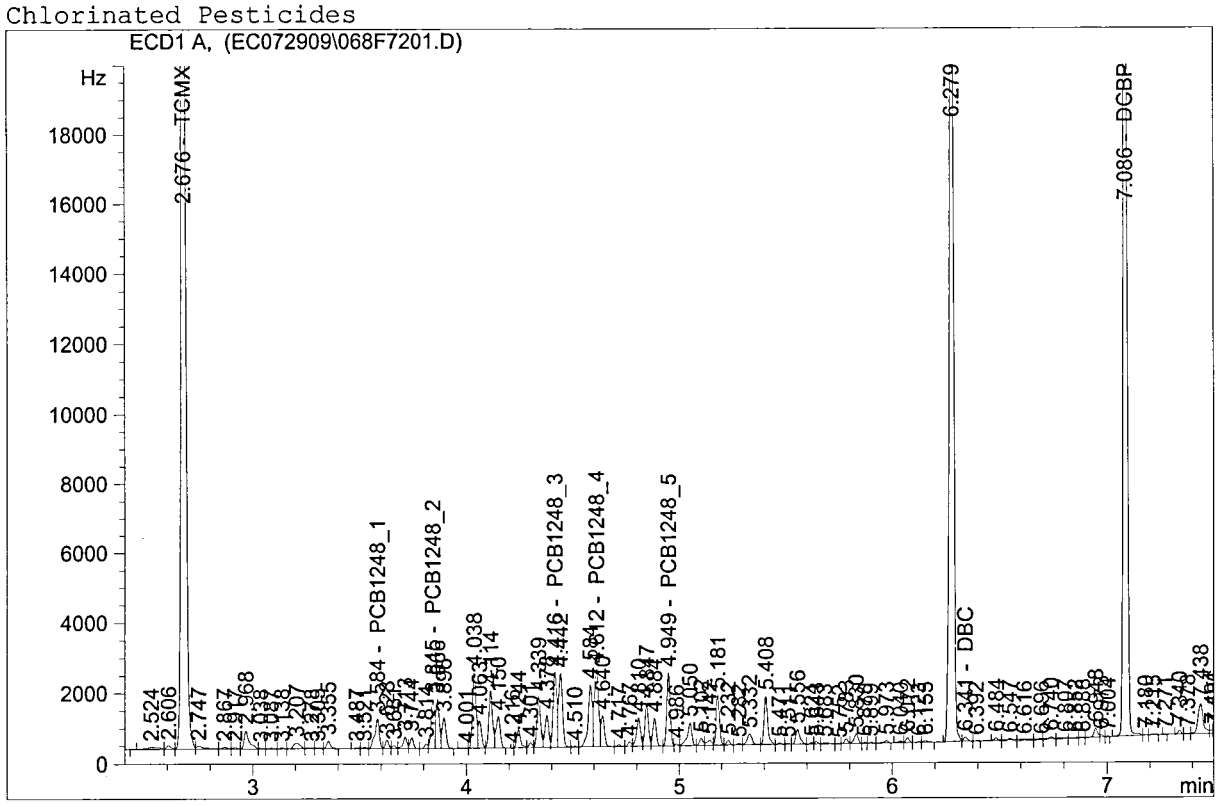
RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
3.099	PV	1.22551e4	6.85939e-3	84.06277	✓	TCMX
4.455	VV	484.70901	3.03697e-1	147.20479		PCB1248_1
4.684	PV	657.95502	2.33497e-1	153.63047		PCB1248_2
5.050	VV	1031.91882	1.57935e-1	162.97651		PCB1248_3
5.240	VV	1148.28552	1.58302e-1	181.77547		PCB1248_4
5.587	VV	616.08820	3.54468e-1	218.38336		PCB1248_5
6.872	VP N	128.22028	1.44086e-2	1.84747	✓	DBC
7.817	BV	1.29128e4	6.87231e-3	88.74087	✓	DCBP

Totals : 1038.62172

64103
BW
7-30-09

```
==================================================================
Injection Date  : 7/29/2009 11:56:27 PM          Seq. Line :  72
Sample Name     : G368-76-2D x1                   Location : Vial 68
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~2\1248F.M
Last changed    : 7/30/2009 9:59:41 AM by BWS
                  (modified after loading)
```

Chlorinated Pesticides




```
==================================================================
                      External Standard Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : Wednesday, June 17, 2009 11:02:53 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Confirmation Only

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.676	VV	5.21377e4	1.63149e-3	85.06224		TCMX
3.584	VV	1250.82825	8.71545e-2	109.01537		PCB1248_1
3.845	VV	1570.93457	9.06172e-2	142.35363		PCB1248_2
4.416	VV	2545.62427	5.21655e-2	132.79382		PCB1248_3
4.612	VV	3125.66211	5.88544e-2	183.95888		PCB1248_4
4.949	VV	2270.65381	9.43925e-2	214.33272		PCB1248_5
6.341	VV	139.27640	2.02370e-1	28.18538		DBC
7.086	PV	3.87348e4	2.04334e-3	79.14838		DCBP

Totals : 974.85043

BWS
7-30-09

Results obtained with enhanced integrator!

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==================================================================
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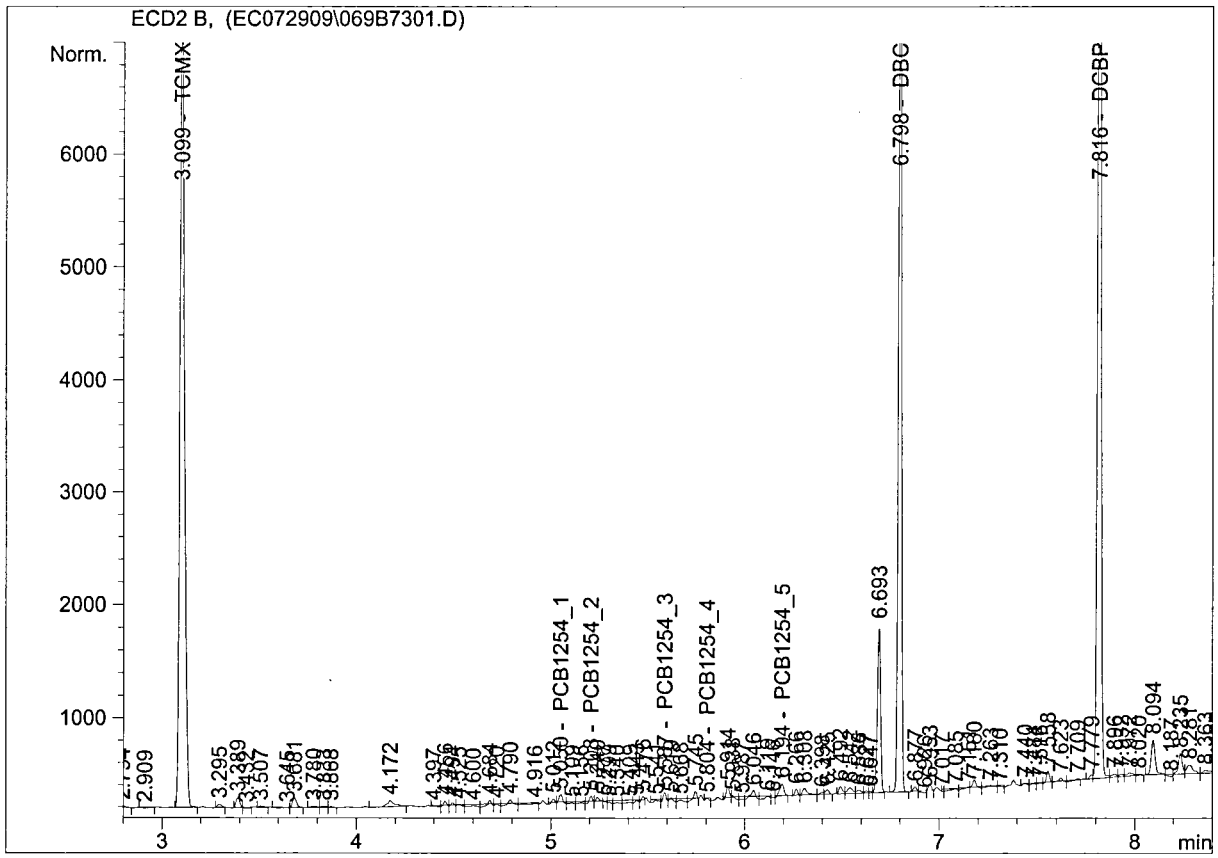
==================================================================
Injection Date  : 7/30/2009 12:22:14 AM          Seq. Line :  73
Sample Name     : G368-76-3D x1                   Location : Vial 69
Acq. Operator   : BWS                                 Inj :   1
Acq. Instrument : ECD2                          Inj Volume : 1 µl
Acq. Method     : C:\HPCHEM\1\METHODS\FAST8080.M
Last changed    : 12/5/2007 1:06:16 PM by DCS
Analysis Method : C:\HPCHEM\1\DATA\EC072909\PCBMET~1\PCBMET~1\1254R.M
Last changed    : 6/22/2009 9:39:44 AM by BWS
Chlorinated Pesticides
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, June 17, 2009 9:58:58 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ug/L]	Grp	Name
3.099	PP	1.17571e4	7.20480e-3	84.70794		TCMX
5.050	VV	58.58373	3.97014e-1	23.25855		PCB1254_1
5.208	VV	13.40524	0.00000	0.00000		PCB1254_2
5.587	VV	31.20028	7.86899e-1	24.55148		PCB1254_3
5.804	VV N	26.85018	6.89122e-1	18.50305		PCB1254_4
6.194	VV	148.90747	1.44057e-1	21.45119		PCB1254_5
6.798	VB	9143.53711	0.00000	0.00000		DBC
7.816	VV	1.31511e4	7.12947e-3	93.76046		DCBP

Totals : 266.23267

BWS
7-30-09

CASE NARRATIVE
Tetra Tech
Project: Goodyear Dump
SGS Laboratory Number: G368-76

DATE: July 31st, 2009

METALS REPORT:

The sample was analyzed for Lead according to the guidelines of Method SW6010B.

The initial calibration verifications met acceptance criteria.

The continuing calibration verifications met acceptance criteria.

The initial and continuing calibration blanks met acceptance criteria.

The method blank was free of interference at the report limit.

The laboratory control sample and duplicate were acceptable.

The matrix spike duplicate recovered low outside of the method's QC limit resulting in a reported %RPD high outside of the method's QC limit.. This may be a result of matrix interferences.

The interference check samples met acceptance criteria for analytes of interest.

The Quantitation Limits (RL) are adjusted for percent solids, sample volumes and dilution factors as applicable.

The sampling to digestion and digestion to analysis holding times were met for the samples.

Results for Metals

Client Sample ID:	GYD-CS-14	Analyzed By:	PSW
Client Project ID:	Goodyear Dump 05-001-0098	Date Collected:	7/28/2009 11:41
Lab Sample ID:	G368-76-1	Date Received:	7/29/2009
Lab Project ID:	G368-76	Matrix:	SOIL
ICP InitWt/Vol:	0.59 g Final Vol: 50 mL	Solids	80.54
Hg InitWt/Vol:	Final Vol:	Report Basis:	Dry
Prep Batch:	14758		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**37.0**	1.05	0.651	1	MG/KG	6010B	7/29/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

Results for Metals

Client Sample ID:	GYD-CS-15	Analyzed By:	PSW
Client Project ID:	Goodyear Dump 05-001-0098	Date Collected:	7/28/2009 11:56
Lab Sample ID:	G368-76-2	Date Received:	7/29/2009
Lab Project ID:	G368-76	Matrix:	SOIL
ICP InitWt/Vol:	0.55 g Final Vol: 50 mL	Solids	80.87
Hg InitWt/Vol:	Final Vol:	Report Basis:	Dry
Prep Batch:	14758		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**10.2**	1.12	0.696	1	MG/KG	6010B	7/29/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

Results for Metals

Client Sample ID:	GYD-CS-16	Analyzed By:	PSW
Client Project ID:	Goodyear Dump 05-001-0098	Date Collected:	7/28/2009 12:18
Lab Sample ID:	G368-76-3	Date Received:	7/29/2009
Lab Project ID:	G368-76	Matrix:	SOIL
ICP InitWt/Vol:	0.5 g Final Vol: 50 mL	Solids	86.21
Hg InitWt/Vol:	Final Vol:	Report Basis:	Dry
Prep Batch:	14758		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**7.21**	1.16	0.718	1	MG/KG	6010B	7/29/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services Initial Cal Source Environmental Express

Batch ID: 072909b OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	1000	1077	107.7	2500	2471	98.8	2500	2558	102.3	90-110
Antimony	1000	922	92.2	500	514	102.9	500	523	104.6	90-110
Arsenic	1000	1051	105.1	500	510	102.0	500	532	106.4	90-110
Barium	1000	1032	103.2	2500	2470	98.8	2500	2513	100.5	90-110
Beryllium	1000	1012	101.2	500	505	101.0	500	516	103.2	90-110
Boron	500			500			500			90-110
Cadmium	1000	1028	102.8	500	508	101.5	500	523	104.5	90-110
Calcium	1000	1038	103.8	2500	2469	98.8	2500	2518	100.7	90-110
Chromium	1000	1018	101.8	500	494	98.8	500	506	101.2	90-110
Cobalt	1000	1033	103.3	500	497	99.5	500	513	102.7	90-110
Copper	1000	993	99.3	500	489	97.7	500	492	98.4	90-110
Iron	1000	1045	104.5	2500	2477	99.1	2500	2584	103.3	90-110
Lead	1000	1021	102.1	500	504	100.7	500	518	103.7	90-110
Magnesium	1000	1013	101.3	2500	2490	99.6	2500	2577	103.1	90-110
Manganese	1000	1029	102.9	500	498	99.6	500	513	102.7	90-110
Molybdenum	1000			500			500			90-110
Nickel	1000	1054	105.4	500	509	101.7	500	516	103.3	90-110
Potassium	1000			2500			2500			90-110
Selenium	1000	1050	105.0	500	506	101.1	500	525	105.1	90-110
Silver	500	498	99.7	500	492	98.5	500	499	99.9	90-110
Sodium	1000			2500			2500			90-110
Thallium	1000	978	97.8	500	499	99.7	500	508	101.7	90-110
Tin	500			500			500			90-110
Vanadium	1000	1023	102.3	500	501	100.2	500	518	103.5	90-110
Zinc	1000	1022	102.2	500	494	98.9	500	512	102.4	90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 072909b OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV (4)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	1000	1077	107.7	2500	2563	102.5	2500	2594	103.8	90-110
Antimony	1000	922	92.2	500	529	105.8	500	536	107.1	90-110
Arsenic	1000	1051	105.1	500	528	105.6	500	534	106.9	90-110
Barium	1000	1032	103.2	2500	2541	101.7	2500	2542	101.7	90-110
Beryllium	1000	1012	101.2	500	504	100.7	500	515	102.9	90-110
Boron	500			500			500			90-110
Cadmium	1000	1028	102.8	500	519	103.9	500	531	106.2	90-110
Calcium	1000	1038	103.8	2500	2531	101.2	2500	2586	103.5	90-110
Chromium	1000	1018	101.8	500	510	102.0	500	519	103.7	90-110
Cobalt	1000	1033	103.3	500	515	102.9	500	517	103.3	90-110
Copper	1000	993	99.3	500	495	98.9	500	495	99.0	90-110
Iron	1000	1045	104.5	2500	2590	103.6	2500	2633	105.3	90-110
Lead	1000	1021	102.1	500	519	103.8	500	525	105.0	90-110
Magnesium	1000	1013	101.3	2500	2608	104.3	2500	2660	106.4	90-110
Manganese	1000	1029	102.9	500	512	102.5	500	517	103.5	90-110
Molybdenum	1000			500			500			90-110
Nickel	1000	1054	105.4	500	527	105.5	500	531	106.2	90-110
Potassium	1000			2500			2500			90-110
Selenium	1000	1050	105.0	500	522	104.5	500	532	106.5	90-110
Silver	500	498	99.7	500	498	99.7	500	504	100.8	90-110
Sodium	1000			2500			2500			90-110
Thallium	1000	978	97.8	500	509	101.7	500	515	103.0	90-110
Tin	500			500			500			90-110
Vanadium	1000	1023	102.3	500	517	103.4	500	521	104.1	90-110
Zinc	1000	1022	102.2	500	510	102.0	500	517	103.3	90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services Initial Cal Source Environmental Express

Batch ID: 072909b OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (5)			CCV (6)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	1000	1077	107.7	2500	2563	102.5	2500	2553	102.1	90-110
Antimony	1000	922	92.2	500	528	105.6	500	533	106.6	90-110
Arsenic	1000	1051	105.1	500	525	104.9	500	541	108.2	90-110
Barium	1000	1032	103.2	2500	2508	100.3	2500	2552	102.1	90-110
Beryllium	1000	1012	101.2	500	508	101.5	500	528	105.5	90-110
Boron	500			500			500			90-110
Cadmium	1000	1028	102.8	500	514	102.8	500	530	105.9	90-110
Calcium	1000	1038	103.8	2500	2480	99.2	2500	2524	100.9	90-110
Chromium	1000	1018	101.8	500	504	100.7	500	514	102.7	90-110
Cobalt	1000	1033	103.3	500	503	100.6	500	518	103.6	90-110
Copper	1000	993	99.3	500	494	98.8	500	501	100.2	90-110
Iron	1000	1045	104.5	2500	2550	102.0	2500	2592	103.7	90-110
Lead	1000	1021	102.1	500	507	101.4	500	520	103.9	90-110
Magnesium	1000	1013	101.3	2500	2609	104.4	2500	2616	104.6	90-110
Manganese	1000	1029	102.9	500	513	102.6	500	517	103.4	90-110
Molybdenum	1000			500			500			90-110
Nickel	1000	1054	105.4	500	516	103.3	500	532	106.3	90-110
Potassium	1000			2500			2500			90-110
Selenium	1000	1050	105.0	500	520	104.0	500	537	107.3	90-110
Silver	500	498	99.7	500	498	99.7	500	503	100.6	90-110
Sodium	1000			2500			2500			90-110
Thallium	1000	978	97.8	500	509	101.7	500	520	104.0	90-110
Tin	500			500			500			90-110
Vanadium	1000	1023	102.3	500	517	103.4	500	522	104.4	90-110
Zinc	1000	1022	102.2	500	505	101.0	500	510	102.1	90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services

Initial Cal Source Environmental Express

Batch ID: 072909b OES

Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (7)			CCV (8)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	1000	1077	107.7	2500	2644	105.7	2500	2640	105.6	90-110
Antimony	1000	922	92.2	500	539	107.7	500	530	106.1	90-110
Arsenic	1000	1051	105.1	500	544	108.9	500	547	109.4	90-110
Barium	1000	1032	103.2	2500	2601	104.0	2500	2546	101.9	90-110
Beryllium	1000	1012	101.2	500	533	106.6	500	530	105.9	90-110
Boron	500			500			500			90-110
Cadmium	1000	1028	102.8	500	537	107.4	500	526	105.3	90-110
Calcium	1000	1038	103.8	2500	2662	106.5	2500	2642	105.7	90-110
Chromium	1000	1018	101.8	500	527	105.3	500	518	103.7	90-110
Cobalt	1000	1033	103.3	500	529	105.8	500	513	102.5	90-110
Copper	1000	993	99.3	500	507	101.5	500	502	100.5	90-110
Iron	1000	1045	104.5	2500	2697	107.9	2500	2697	107.9	90-110
Lead	1000	1021	102.1	500	527	105.4	500	521	104.2	90-110
Magnesium	1000	1013	101.3	2500	2724	109.0	2500	2719	108.8	90-110
Manganese	1000	1029	102.9	500	526	105.2	500	520	104.1	90-110
Molybdenum	1000			500			500			90-110
Nickel	1000	1054	105.4	500	541	108.1	500	535	107.0	90-110
Potassium	1000			2500			2500			90-110
Selenium	1000	1050	105.0	500	541	108.2	500	536	107.1	90-110
Silver	500	498	99.7	500	506	101.1	500	503	100.7	90-110
Sodium	1000			2500			2500			90-110
Thallium	1000	978	97.8	500	520	104.0	500	520	104.0	90-110
Tin	500			500			500			90-110
Vanadium	1000	1023	102.3	500	536	107.1	500	527	105.4	90-110
Zinc	1000	1022	102.2	500	527	105.3	500	518	103.6	90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: SGS Environmental Services Initial Cal Source Environmental Express

Batch ID: 072909b OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (9)			CCV ( )			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	1000	1077	107.7	2500	2566	102.7	2500			90-110
Antimony	1000	922	92.2	500	523	104.5	500			90-110
Arsenic	1000	1051	105.1	500	532	106.4	500			90-110
Barium	1000	1032	103.2	2500	2518	100.7	2500			90-110
Beryllium	1000	1012	101.2	500	501	100.2	500			90-110
Boron	500			500			500			90-110
Cadmium	1000	1028	102.8	500	527	105.3	500			90-110
Calcium	1000	1038	103.8	2500	2511	100.4	2500			90-110
Chromium	1000	1018	101.8	500	512	102.4	500			90-110
Cobalt	1000	1033	103.3	500	505	101.0	500			90-110
Copper	1000	993	99.3	500	492	98.5	500			90-110
Iron	1000	1045	104.5	2500	2612	104.5	2500			90-110
Lead	1000	1021	102.1	500	514	102.8	500			90-110
Magnesium	1000	1013	101.3	2500	2633	105.3	2500			90-110
Manganese	1000	1029	102.9	500	511	102.2	500			90-110
Molybdenum	1000			500			500			90-110
Nickel	1000	1054	105.4	500	519	103.9	500			90-110
Potassium	1000			2500			2500			90-110
Selenium	1000	1050	105.0	500	525	105.0	500			90-110
Silver	500	498	99.7	500	499	99.8	500			90-110
Sodium	1000			2500			2500			90-110
Thallium	1000	978	97.8	500	508	101.6	500			90-110
Tin	500			500			500			90-110
Vanadium	1000	1023	102.3	500	524	104.7	500			90-110
Zinc	1000	1022	102.2	500	510	102.1	500			90-110

Comments:

FORM IIA - METALS

Form 2B
CRDL

Lab Name: SGS Environmental Services

Batch ID: 072909b

Concentration Units: ug/L

Analyte	Initial			QC Limit Range
	True	Found	%R	
Aluminum	100	152	152*	50-150
Antimony	40.0	40.9	102	50-150
Arsenic	10.0	10.5	105	50-150
Barium	100	115	115	50-150
Beryllium	10.0	13.0	130	50-150
Boron	10.0			50-150
Cadmium	5.00	7.43	148	50-150
Calcium	100	201	201*	50-150
Chromium	10.0	13.8	138	50-150
Cobalt	10.0	12.6	126	50-150
Copper	10.0	15.4	154*	50-150
Iron	100	146	146	50-150
Lead	10.0	12.2	122	50-150
Magnesium	100	114	114	50-150
Manganese	10.0	13.1	131	50-150
Molybdenum	10.0			50-150
Nickel	10.0	11.2	112	50-150
Potassium	200			50-150
Selenium	20.0	24.3	121	50-150
Silver	10.0	13.0	130	50-150
Sodium	200			50-150
Thallium	10.0	10.7	107	50-150
Tin	10.0			50-150
Vanadium	50.0	53.3	107	50-150
Zinc	20.0	26.7	134	50-150

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 072909b OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C	4	C		
Aluminum	100	U	100	U	100	U	100	U		
Antimony	40	U	40	U	40	U	40	U		
Arsenic	10	U	10	U	10	U	10	U		
Barium	100	U	100	U	100	U	100	U		
Beryllium	10	U	10	U	10	U	10	U		
Boron										
Cadmium	10	U	10	U	10	U	10	U		
Calcium	100	U	100	U	100	U	100	U		
Chromium	10	U	10	U	10	U	10	U		
Cobalt	10	U	10	U	10	U	10	U		
Copper	10	U	10	U	10	U	10	U		
Iron	100	U	100	U	100	U	100	U		
Lead	10	U	10	U	10	U	10	U		
Magnesium	100	U	100	U	100	U	100	U		
Manganese	10	U	10	U	10	U	10	U		
Molybdenum										
Mercury										
Nickel	10	U	10	U	10	U	10	U		
Potassium										
Selenium	20	U	20	U	20	U	20	U		
Silver	10	U	10	U	10	U	10	U		
Sodium										
Thallium	10	U	10	U	10	U	10	U		
Tin										
Vanadium	50	U	50	U	50	U	50	U		
Zinc	20	U	20	U	20	U	20	U		

Comments:

FORM III - METALS

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 072909b OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	5	C	6	C	7	C		
Aluminum	100	U	100	U	100	U	100	U		
Antimony	40	U	40	U	40	U	40	U		
Arsenic	10	U	10	U	10	U	10	U		
Barium	100	U	100	U	100	U	100	U		
Beryllium	10	U	10	U	10	U	10	U		
Boron										
Cadmium	10	U	10	U	10	U	10	U		
Calcium	100	U	100	U	100	U	100	U		
Chromium	10	U	10	U	10	U	10	U		
Cobalt	10	U	10	U	10	U	10	U		
Copper	10	U	10	U	10	U	10	U		
Iron	100	U	100	U	100	U	100	U		
Lead	10	U	10	U	10	U	10	U		
Magnesium	100	U	100	U	100	U	100	U		
Manganese	10	U	10	U	10	U	10	U		
Molybdenum										
Mercury										
Nickel	10	U	10	U	10	U	10	U		
Potassium										
Selenium	20	U	20	U	20	U	20	U		
Silver	10	U	10	U	10	U	10	U		
Sodium										
Thallium	10	U	10	U	10	U	10	U		
Tin										
Vanadium	50	U	50	U	50	U	50	U		
Zinc	20	U	20	U	20	U	20	U		

Comments:

FORM III - METALS

3
BLANKS

Lab Name: SGS Environmental Services

Batch ID: 072909b OES
Batch ID: HG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	8	C	9	C		C		
Aluminum	100	U	100	U	100	U				
Antimony	40	U	40	U	40	U				
Arsenic	10	U	10	U	10	U				
Barium	100	U	100	U	100	U				
Beryllium	10	U	10	U	10	U				
Boron										
Cadmium	10	U	10	U	10	U				
Calcium	100	U	100	U	100	U				
Chromium	10	U	10	U	10	U				
Cobalt	10	U	10	U	10	U				
Copper	10	U	10	U	10	U				
Iron	100	U	100	U	100	U				
Lead	10	U	10	U	10	U				
Magnesium	100	U	100	U	100	U				
Manganese	10	U	10	U	10	U				
Molybdenum										
Mercury										
Nickel	10	U	10	U	10	U				
Potassium										
Selenium	20	U	20	U	20	U				
Silver	10	U	10	U	10	U				
Sodium										
Thallium	10	U	10	U	10	U				
Tin										
Vanadium	50	U	50	U	50	U				
Zinc	20	U	20	U	20	U				

Comments:

FORM III - METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SGS Environmental Services ICS Source: Environmental Express

Batch ID: 072909b ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R	QC Limit Range %
Aluminum	100000	100000	99260.2	96866.7	96.9	103486	99518.1	99.5	80 - 120
Antimony	0	300	29.9	300.87	100.3	4.6	305.52	101.8	80 - 120
Arsenic	0	300	8.79	305.34	101.8	11.05	321.39	107.1	80 - 120
Barium	0	1000	15.01	959.21	95.9	14.49	993.9	99.4	80 - 120
Beryllium	0	300	-4.82	290.59	96.9	-4.82	298.84	99.6	80 - 120
Cadmium	0	300	-0.56	284.33	94.8	-0.52	297.39	99.1	80 - 120
Calcium	40000	40000	40261.3	38805.6	97.0	41705.4	39684	99.2	80 - 120
Chromium	0	300	6.43	291.9	97.3	6.08	304.86	101.6	80 - 120
Cobalt	0	300	2.2	276.53	92.2	1.63	282.26	94.1	80 - 120
Copper	0	300	6.44	299.52	99.8	7.18	310.49	103.5	80 - 120
Iron	100000	100000	99571.1	95543.4	95.5	104958	101999	102.0	80 - 120
Lead	0	300	3.61	286.5	95.5	1.18	296.96	99.0	80 - 120
Magnesium	40000	40000	39300.1	37119.4	92.8	41998.9	40174.3	100.4	80 - 120
Manganese	0	300	2	290.24	96.7	2.15	296.49	98.8	80 - 120
Nickel	0	300	-2.38	277	92.3	1.71	290.06	96.7	80 - 120
Potassium	0	0	0	0	n/a	0	0	n/a	80 - 120
Selenium	0	300	30.44	324.44	108.1	34.27	343.02	114.3	80 - 120
Silver	0	300	3.48	284.29	94.8	3.81	287.51	95.8	80 - 120
Sodium	0	0	0	0	n/a	0	0	n/a	80 - 120
Thallium	0	300	2.66	284.28	94.8	0.47	288.3	96.1	80 - 120
Vanadium	0	300	0.29	298.61	99.5	5.1	309.2	103.1	80 - 120
Zinc	0	300	3.37	287.55	95.9	3.31	293.23	97.7	80 - 120

FORM IV - METALS

Results for Metals

Client Sample ID:	Lab Blank			Analyzed By:	PSW
Client Project ID:				Date Collected:	
Lab Sample ID:	pb14758			Date Received:	
Lab Project ID:				Matrix:	SOIL
ICP InitWt/Vol:	0.58 g	Final Vol:	50 mL	Solids	100.00
Hg InitWt/Vol:		Final Vol:		Report Basis:	Dry
Prep Batch:	14758				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	0.862	0.534	1	MG/KG	6010B	7/29/2009	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

METALS Results for LCS/LCD

ICP Batch: 14758
HG Batch:
Other:

Matrix: SOIL
Units: MG/KG

Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	36.4	34.5	94.8		35.0	96.2		80	120	1.44		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

MS/MSD Results for METALS

Lab ID: G368-76-1
MS Lab ID: G368-76-1
MSD Lab ID: G368-76-1
ICP Batch: 14758
HG Batch:
Other:

Analyzed By: PSW
Matrix: Soil
Units: MG/KG
Solids: 80.54

Analyte	Sample Result	SA MS	MS Result	MS %REC		SA MSD	MSD Result	MSD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	37	49.7	95.5	118		46.0	69.0	69.6	*	75	125	32.2	*	20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

10 - MOD
Instrument Detection Limits

Lab Name: SGS Environmental Services

Instrument ID: ICP Date: 09/04/08

Analyte	Wavelength (nm)	CRDL ug/L	IDL ug/L	Method
Aluminum	308.214	100	59.3	6010B
Antimony	206.833	60	2.98	6010B
Arsenic	188.978	10	4.87	6010B
Barium	233.523	100	1.82	6010B
Beryllium	313.100	10	7.12	6010B
Cadmium	214.437	10	0.819	6010B
Calcium	317.931	100	8.44	6010B
Chromium	267.708	10	1.32	6010B
Cobalt	228.615	10	2.22	6010B
Copper	324.754	10	0.762	6010B
Iron	259.936	100	47.8	6010B
Lead	220.352	10	4.74	6010B
Magnesium	279.073	100	35.4	6010B
Manganese	257.609	10	0.725	6010B
Mercury	253.700	0.2		7470
Nickel	231.602	10	3.72	6010B
Potassium	766.429	100	18.1	6010B
Selenium	196.028	20	5.72	6010B
Silver	328.071	10	0.525	6010B
Sodium	589.550	200	5.79	6010B
Thallium	190.796	10	9.18	6010B
Vanadium	292.399	50	4.04	6010B
Zinc	213.859	20	1.74	6010B

FORM X - METALS

Prep Report for Batch 14758 (METALS/3050/SOIL) on 2009-07-29 by crn

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time	Balance
G1053-4-2L (636054)		0.53			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G1090-1-1E (636038)		0.57			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G1090-1-3E (636039)		0.54			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G296-633-5D (636040)		0.57			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G296-633-6F (636041)		0.57			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G368-76-1C (636032)		0.59			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G368-76-1D (636033)	ms	0.50	0721-754,0709-753,06	.5,.5,.25	50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G368-76-1E (636034)	msd	0.54	0721-754,0709-753,06	.5,.5,.25	50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G368-76-1F (636035)	dup	0.52			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G368-76-2C (636036)		0.55			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G368-76-3C (636037)		0.50			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G582-408-11F (636045)		0.52			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G582-408-13F (636046)		0.58			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G582-408-14H (636047)		0.50			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G582-408-8F (636043)		0.52			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G582-408-9F (636044)		0.52			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G582-413-10E (636048)		0.50			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G582-413-11E (636049)		0.58			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G582-413-14E (636050)		0.51			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G582-413-16E (636051)		0.53			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G582-413-17E (636052)		0.58			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G582-413-18E (636053)		0.58			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
G582-416-3C (636042)		0.59			50	R-1751	R-1752		HB2 95	1130	pb3002-sb
lcd14758	lcd	0.52	0721-754,0709-753,06	.5,.5,.25	50	R-1751	R-1752		HB2 95	1130	pb3002-sb
lcs14758	lcs	0.55	0721-754,0709-753,06	.5,.5,.25	50	R-1751	R-1752		HB2 95	1130	pb3002-sb
pb14758	pb	0.58			50	R-1751	R-1752		HB2 95	1130	pb3002-sb

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 072909b

Case No: G368-76

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/29/2009 End Date: 7/30/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
1	CalBlank	1	16:15		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2	Std3-	1	16:21		X	X	X	X	X		X	X		X					X	
3	Std4-	1	16:25							X			X					X		
4	Std5-	1	16:28												X	X	X			
5	Std2-	1	16:31		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6	Std1-	1	16:38		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7	icv	1	16:44		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8	icsA1	1	16:50		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
9	icsB1	1	16:56		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10	lowstd	1	17:03		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11	ccv1	1	17:09		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12	ccb1	1	17:15		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13	pb14758	1	17:21		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14	lcs14758	1	17:27		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15	lcd14758	1	17:34		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16	**GYD-CS-14**	1	17:40		X	X	X	X	X	X	X	X	X	X	X	X	X	X		
17	**GYD-CS-14**	1	17:46		X	X	X	X	X	X		X	X	X	X	X	X	X		
18	**GYD-CS-14**	1	17:52		X	X	X	X	X	X	X	X	X	X	X	X	X	X		
19	**GYD-CS-14**	1	17:58		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20	**GYD-CS-15**	1	18:05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21	**GYD-CS-16**	1	18:11		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22	G1090-1-1E	1	18:17		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23	ccv2	1	18:23		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
24	ccb2	1	18:30		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
25	G1090-1-3E	1	18:36		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
26	G296-633-5D	1	18:42		X	X	X	X	X	X	X	X	X	X	X	X	X	X		
27	G296-633-6F	1	18:48		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
28	G582-416-3C	1	18:55		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
29	G582-408-8F	1	19:01		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
30	G582-408-9F	1	19:07		X	X	X	X	X	X	X		X	X	X	X	X	X		
31	G582-408-11F	1	19:13		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
32	G582-408-13F	1	19:19		X	X	X	X	X	X	X		X	X	X	X	X	X		
33	G582-408-14H	1	19:26		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
34	G582-413-10E	1	19:32		X		X	X	X	X	X		X	X	X	X	X	X		
35	ccv3	1	19:38		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 072909b

Case No: G368-76

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/29/2009 End Date: 7/30/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
36	ccb3	1	19:44		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
37	G582-413-11E	1	19:51		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
38	G582-413-14E	1	19:57		X	X	X	X	X	X	X		X	X	X	X	X	X		
39	G582-413-16E	1	20:03		X	X	X	X	X	X	X		X	X	X	X	X	X		
40	G582-413-17E	1	20:09		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
41	G582-413-18E	1	20:16		X	X	X	X	X	X	X	X	X	X	X	X	X	X		
42	G1053-4-2L	1	20:22		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
43	pb14744	1	20:28		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
44	lcs14744	1	20:34		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
45	lcd14744	1	20:40		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
46	G296-633-8B	1	20:47		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
47	ccv4	1	20:53		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
48	ccb4	1	20:59		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
49	G296-633-8C	1	21:05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
50	G296-633-8D	1	21:11		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
51	G296-633-9B	1	21:18		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
52	G296-633-10B	1	21:24		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
53	G296-633-11B	1	21:30		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
54	fblk072809	1	21:36		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
55	G609-46-1J	1	21:43		X	X	X	X	X	X	X	X	X	X	X	X	X	X		
56	G609-46-2J	1	21:49		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
57	G609-46-3J	1	21:55		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
58	G609-46-4H	1	22:01		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
59	ccv5	1	22:08		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
60	ccb5	1	22:14		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
61	G609-46-5H	1	22:20		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
62	G609-46-6I	1	22:26		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63	G677-14-1H	1	22:33		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
64	G677-14-2H	1	22:39		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
65	G677-14-3H	1	22:45		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
66	G1090-1-2B	1	22:52		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67	G1090-1-4B	1	22:58		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
68	G1090-1-4C	1	23:04		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
69	pb14745	1	23:10		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
70	lcs14745	1	23:16		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: SGS Environmental Inc. Lab Batch: 072909b

Case No: G368-76

Instrument ID: ICP Analysis Method: 6010B

Start Date: 7/29/2009 End Date: 7/30/2009

	EPA Sample Number	D/F	Time	Sn	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Ni	Se	Ag	Tl	Sb	V	Zn	Hg
71	ccv6	1	23:23		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
72	ccb6	1	23:29		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
73	lcd14745	1	23:41		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
74	G1088-2-1I	1	23:47		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
75	G1088-2-1J	1	23:53		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
76	G1088-2-1K	1	23:59		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
77	G1088-2-3I	1	00:05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
78	G1088-2-4I	1	00:12		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
79	G1088-2-5I	1	00:18		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
80	G1088-2-6I	1	00:24		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
81	G1088-2-7I	1	00:30		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
82	G1088-2-8I	1	00:37		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
83	ccv7	1	00:43		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
84	ccb7	1	00:49		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
85	G1088-2-9I	1	00:55		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
86	G1090-2-1B	1	01:02		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
87	G1090-2-2B	1	01:08		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
88	G1090-2-3B	1	01:14		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
89	G1090-2-4B	1	01:20		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
90	G1090-2-5B	1	01:27		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
91	G1090-2-6B	1	01:33		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
92	G1090-2-7B	1	01:39		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
93	G1090-2-8B	1	01:45		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
94	G1090-2-9B	1	01:52		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
95	ccv8	1	01:58		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
96	ccb8	1	02:04		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
97	G1090-2-10B	1	02:10		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
98	G1090-2-10C	1	02:17		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
99	G1090-2-10C	5	02:23		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
100	icsA2	1	02:29		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
101	icsB2	1	02:35		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
102	ccv9	1	02:42		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
103	ccb9	1	02:48		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Analytical Sequence

Method : TALmethod_new

GSW

072909b

Seq.	Loc.	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3- High	Applied
3	5	Std4- High	Applied
4	6	Std5- High	Applied
5	3	Std2- Mid	Applied
6	2	Std1- Low	Applied
7	7	icv	Analyzed
8	8	icsA1	Analyzed
9	9	icsB1	Analyzed
10	2	lowstd	Analyzed
11	3	ccv1	Analyzed
12	1	ccb1	Analyzed
13	10	pb14758	Analyzed
14	11	lcs14758	Analyzed
15	12	lcd14758	Analyzed
16	13	Zn 10x G368-76-1C - Zn Mn Fe Mg Al Ca	Analyzed
17	14	Fe 100x G368-76-1D ms - "	Analyzed
18	15	G368-76-1E msd - "	Analyzed
19	16	G368-76-1F dup - "	Analyzed
20	17	G368-76-2C - Mn Fe Mg Al	Analyzed
21	18	G368-76-3C - "	Analyzed
22	19	10x Fe - G1090-1-1E - Fe Al	Analyzed
23	3	ccv2	Analyzed
24	1	ccb2	Analyzed
25	20	100x Fe - G1090-1-3E - Fe Mg Al Ca	Analyzed
26	21	G296-633-5D - Zn Mn Fe Mg Al Ca	Analyzed
27	22	G296-633-6F - Mn Fe Mg Al Ca	Analyzed
28	23	G582-416-3C - "	Analyzed
29	24	G582-408-8F - Fe Mg Al Ca	Analyzed
30	25	10x Zn Pb - G582-408-9F - Zn Pb Mn Fe Mg Al Ca	Analyzed
31	26	G582-408-11F - Mn Fe Mg Al Ca	Analyzed
32	27	10x Zn Pb - G582-408-13F - Zn Pb Mn Fe Mg Al Ca	Analyzed
33	28	G582-408-14H - Mn Fe Mg Al Ca	Analyzed
34	29	10x Ba 10x Zn Pb - G582-413-10E - Zn Pb Ba Mn Fe Mg Al Ca	Analyzed
35	3	ccv3	Analyzed
36	1	ccb3	Analyzed
37	30	G582-413-11E - Mn Fe Mg Al Ca	Analyzed
38	31	10x Zn Pb - G582-413-14E - Zn Pb Mn Fe Mg Al Ca	Analyzed
39	32	10x Zn Pb - G582-413-16E - "	Analyzed
40	33	G582-413-17E - Mn Fe Mg Al Ca	Analyzed
41	34	Zn 10x - G582-413-18E - Zn Mn Fe Mg Al Ca	Analyzed
42	35	G1053-4-2L - Mn Fe Mg Al Ca	Analyzed
43	36	pb14744	Analyzed
44	37	lcs14744	Analyzed
45	38	lcd14744	Analyzed
46	39	G296-633-8B - Mg Ca	Analyzed
47	3	ccv4	Analyzed
48	1	ccb4	Analyzed
49	40	G296-633-8C ms - Mg Ca	Analyzed
50	41	G296-633-8D msd - "	Analyzed
51	42	G296-633-9B - "	Analyzed
52	43	G296-633-10B - Mn Mg Ca	Analyzed
53	44	G296-633-11B - "	Analyzed
54	45	fblk072809	Analyzed
55	46	G609-46-1J - Zn Ca	Analyzed
56	47	G609-46-2J - Ca	Analyzed

072709-1

Analytical Sequence

Method : TALmethod_new

Seq.	Loc.	Sample ID	Status
57	48	G609-46-3J - Ca	Analyzed
58	49	G609-46-4H	Analyzed
59	3	ccv5 ✓	Analyzed
60	1	ccb5 ✓	Analyzed
61	50	G609-46-5H -	Analyzed
62	51	G609-46-6I - Ca	Analyzed
63	52	G677-14-1H - MnFeMgAlCa	Analyzed
64	53	G677-14-2H - MnMgCa	Analyzed
65	54	G677-14-3H - MgCa	Analyzed
66	55	G1090-1-2B - MgCa	Analyzed
67	56	G1090-1-4B - "	Analyzed
68	57	G1090-1-4C dup - "	Analyzed
69	58	pb14745 ✓	Analyzed
70	59	lcs14745 ✓	Analyzed
71	3	ccv6 ✓	Analyzed
72	1	ccb6 ✓	Analyzed
73	60	lcd14745 ✓	Analyzed
74	61	G1088-2-1I - MgCa	Analyzed
75	62	G1088-2-1J ms - "	Analyzed
76	63	G1088-2-1K msd - "	Analyzed
77	64	G1088-2-3I - "	Analyzed
78	65	G1088-2-4I - "	Analyzed
79	66	G1088-2-5I	Analyzed
80	67	G1088-2-6I - MnMgCa	Analyzed
81	68	G1088-2-7I - "	Analyzed
82	69	G1088-2-8I - MgCa	Analyzed
83	90	ccv7 ✓	Analyzed
84	91	ccb7 ✓	Analyzed
85	70	G1088-2-9I - MgCa	Analyzed
86	71	G1090-2-1B - "	Analyzed
87	72	10xFe - G1090-2-2B - Fe MgCa	Analyzed
88	73	G1090-2-3B - MgCa	Analyzed
89	74	10xFe - G1090-2-4B - FeMgCa	Analyzed
90	75	G1090-2-5B - MgCa	Analyzed
91	76	G1090-2-6B - "	Analyzed
92	77	G1090-2-7B - "	Analyzed
93	78	G1090-2-8B - "	Analyzed
94	79	G1090-2-9B - "	Analyzed
95	92	ccv8 ✓	Analyzed
96	93	ccb8 ✓	Analyzed
97	80	G1090-2-10B	Analyzed
98	81	G1090-2-10C dup	Analyzed
99	82	G1090-2-10C dup SDx5	Analyzed
100	8	icsA2 ✓	Analyzed
101	9	icsB2 ✓	Analyzed
102	94	ccv9 ✓	Analyzed
103	95	ccb9 ✓	Analyzed

==========

Analysis Begun

Start Time: 7/29/2009 04:15:19 PM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 7/29/2009 08:06:25 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\072909b.sif
Batch ID:
Results Data Set: 072909b
Results Library: C:\pe\Anyone\Results\Results.mdb

==========

Method Loaded
Method Name: TALmethod_new
IEC File: 091406.iec
Method Description: TAL with interference correction

Method Last Saved: 4/14/2009 04:46:02 PM
MSF File:

==========

Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/29/2009 04:15:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	268.4	9.19	3.43%	[0.00]	mg/L
Tl 191	-720.0	49.74	6.91%	[0.00]	mg/L
Se 196	-122.4	1.36	1.11%	[0.00]	mg/L
Sb 207	687.3	42.65	6.21%	[0.00]	mg/L
Zn 214	-1054.0	265.39	25.18%	[0.00]	mg/L
Cd 214	2669.4	309.95	11.61%	[0.00]	mg/L
Pb 220	946.7	63.41	6.70%	[0.00]	mg/L
Co 229	-2178.9	206.41	9.47%	[0.00]	mg/L
Ni 232	-624.4	48.03	7.69%	[0.00]	mg/L
Ba 234	-5281.8	132.70	2.51%	[0.00]	mg/L
Mn 258	-30576.1	1016.28	3.32%	[0.00]	mg/L
Fe 260	0.0	0.00	0.00%	[0.00]	mg/L
Cr 268	964.7	410.76	42.58%	[0.00]	mg/L
Mg 279	38.7	58.34	150.92%	[0.00]	mg/L
V 292	7542.7	342.30	4.54%	[0.00]	mg/L
Al 308	2481.1	68.46	2.76%	[0.00]	mg/L
Be 313	750.6	530.79	70.71%	[0.00]	mg/L
Ca 318	27.7	65.99	238.05%	[0.00]	mg/L
Cu 325	33659.2	616.14	1.83%	[0.00]	mg/L
Ag 328	-1610.3	254.10	15.78%	[0.00]	mg/L

==========

Sequence No.: 2
Sample ID: Std3- High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/29/2009 04:21:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3- High

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: Std3- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units

As 189	17000.2	105.32	0.62%	[1]	mg/L
Se 196	13711.1	68.54	0.50%	[1]	mg/L
Zn 214	499146.8	688.94	0.14%	[1]	mg/L
Cd 214	740267.3	2834.25	0.38%	[1]	mg/L
Pb 220	40764.8	38.76	0.10%	[1]	mg/L
Ba 234	3808383.9	52609.19	1.38%	[5]	mg/L
Cr 268	554067.0	6161.40	1.11%	[1]	mg/L
Be 313	136617.5	2123.04	1.55%	[1]	mg/L
Cu 325	1155079.3	7764.84	0.67%	[1]	mg/L

Sequence No.: 3 **Autosampler Location: 5**
Sample ID: Std4- High **Date Collected: 7/29/2009 04:25:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: Std4- High

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: Std4- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Co 229	238667.7	435.54	0.18%	[1]	mg/L
Ni 232	227785.4	3690.95	1.62%	[1]	mg/L
Mn 258	3597609.4	421.51	0.01%	[1]	mg/L
Fe 260	413596.6	1115.50	0.27%	[5]	mg/L
Mg 279	39630.7	41.24	0.10%	[5]	mg/L
V 292	372920.0	1148.84	0.31%	[1]	mg/L
Al 308	78354.2	553.15	0.71%	[5]	mg/L
Ca 318	396045.9	3124.73	0.79%	[5]	mg/L

Sequence No.: 4 **Autosampler Location: 6**
Sample ID: Std5- High **Date Collected: 7/29/2009 04:28:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: Std5- High

Analyte	Back Pressure	Flow
All	264.0 kPa	0.70 L/min

Mean Data: Std5- High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Tl 191	20030.8	171.00	0.85%	[1]	mg/L
Sb 207	23803.4	109.33	0.46%	[1]	mg/L
Ag 328	835727.0	11454.99	1.37%	[1]	mg/L

Sequence No.: 5 **Autosampler Location: 3**
Sample ID: Std2- Mid **Date Collected: 7/29/2009 04:31:55 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: Std2- Mid

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: Std2- Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	8368.6	16.43	0.20%	[0.5]	mg/L

Tl 191	9834.8	8.61	0.09%	[0.5]	mg/L
Se 196	6612.1	91.42	1.38%	[0.5]	mg/L
Sb 207	12245.6	39.30	0.32%	[0.5]	mg/L
Zn 214	243494.3	1087.03	0.45%	[0.5]	mg/L
Cd 214	360422.0	3683.15	1.02%	[0.5]	mg/L
Pb 220	19547.7	27.07	0.14%	[0.5]	mg/L
Co 229	116640.0	2576.49	2.21%	[0.5]	mg/L
Ni 232	113685.7	608.09	0.53%	[0.5]	mg/L
Ba 234	1845350.7	12340.78	0.67%	[2.5]	mg/L
Mn 258	1755664.5	20219.88	1.15%	[0.5]	mg/L
Fe 260	196242.6	1214.57	0.62%	[2.5]	mg/L
Cr 268	268709.0	1711.50	0.64%	[0.5]	mg/L
Mg 279	19243.3	65.98	0.34%	[2.5]	mg/L
V 292	182863.4	547.68	0.30%	[0.5]	mg/L
Al 308	37659.1	75.44	0.20%	[2.5]	mg/L
Be 313	67089.0	663.38	0.99%	[0.5]	mg/L
Ca 318	186550.6	1294.57	0.69%	[2.5]	mg/L
Cu 325	550053.8	3462.61	0.63%	[0.5]	mg/L
Ag 328	402036.9	2120.31	0.53%	[0.5]	mg/L

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Sequence No.: 6 **Autosampler Location: 2**
Sample ID: Std1- Low **Date Collected: 7/29/2009 04:38:08 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: Std1- Low

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: Std1- Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	172.2	28.96	16.82%	[0.01]	mg/L
Tl 191	257.0	14.71	5.73%	[0.01]	mg/L
Se 196	234.4	12.20	5.21%	[0.02]	mg/L
Sb 207	1005.1	16.16	1.61%	[0.04]	mg/L
Zn 214	12948.6	316.31	2.44%	[0.02]	mg/L
Cd 214	3789.1	0.00	0.00%	[0.005]	mg/L
Pb 220	360.2	37.97	10.54%	[0.01]	mg/L
Co 229	2479.1	52.92	2.13%	[0.01]	mg/L
Ni 232	2357.8	68.46	2.90%	[0.01]	mg/L
Ba 234	75821.9	78.48	0.10%	[0.1]	mg/L
Mn 258	40982.0	532.16	1.30%	[0.01]	mg/L
Fe 260	8443.6	402.71	4.77%	[0.1]	mg/L
Cr 268	5421.8	136.92	2.53%	[0.01]	mg/L
Mg 279	908.2	32.99	3.63%	[0.1]	mg/L
V 292	19160.7	0.00	0.00%	[0.05]	mg/L
Al 308	1755.4	61.48	3.50%	[0.1]	mg/L
Be 313	1032.1	663.48	64.28%	[0.01]	mg/L
Ca 318	17847.3	93.58	0.52%	[0.1]	mg/L
Cu 325	12163.4	291.94	2.40%	[0.01]	mg/L
Ag 328	8076.6	139.30	1.72%	[0.01]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
As 189	3	Lin, Calc Int	-23.0	16980	0.00000	0.999968	
Tl 191	3	Lin, Calc Int	-7.2	19970	0.00000	0.999946	
Se 196	3	Lin, Calc Int	-62.4	13690	0.00000	0.999840	
Sb 207	3	Lin, Calc Int	86.8	23840	0.00000	0.999892	
Zn 214	3	Lin, Calc Int	236.7	496500	0.00000	0.999884	
Cd 214	3	Lin, Calc Int	-1726.8	738500	0.00000	0.999908	
Pb 220	3	Lin, Calc Int	-173.5	40640	0.00000	0.999780	
Co 229	3	Lin, Calc Int	-448.3	238100	0.00000	0.999930	
Ni 232	3	Lin, Calc Int	-1.4	227700	0.00000	0.999999	
Ba 234	3	Lin, Calc Int	-10879.0	759600	0.00000	0.999870	
Mn 258	3	Lin, Calc Int	-5578.9	3587000	0.00000	0.999917	

Fe 260	3	Lin, Calc Int	-1845.7	82320	0.00000	0.999641
Cr 268	3	Lin, Calc Int	-1569.1	552600	0.00000	0.999879
Mg 279	3	Lin, Calc Int	-51.9	7893	0.00000	0.999871
V 292	3	Lin, Calc Int	-426.7	372000	0.00000	0.999943
Al 308	3	Lin, Calc Int	-191.3	15600	0.00000	0.999780
Be 313	3	Lin, Calc Int	-373.7	136600	0.00000	0.999961
Ca 318	3	Lin, Calc Int	2409.4	77740	0.00000	0.999051
Cu 325	3	Lin, Calc Int	-4724.4	1150000	0.00000	0.999691
Ag 328	3	Lin, Calc Int	-3007.9	833000	0.00000	0.999809

Sequence No.: 7
Sample ID: icv
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/29/2009 04:44:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	17683.6	1.05	mg/L	0.002	1.05	mg/L	0.002	0.18%
Tl 191	19479.7	0.978	mg/L	0.0009	0.978	mg/L	0.0009	0.09%
Se 196	14297.3	1.05	mg/L	0.005	1.05	mg/L	0.005	0.52%
Sb 207	22336.1	0.922	mg/L	0.0008	0.922	mg/L	0.0008	0.09%
Zn 214	510049.2	1.02	mg/L	0.004	1.02	mg/L	0.004	0.36%
Cd 214	757291.3	1.03	mg/L	0.009	1.03	mg/L	0.009	0.87%
Pb 220	41315.6	1.02	mg/L	0.003	1.02	mg/L	0.003	0.30%
Co 229	245578.4	1.03	mg/L	0.017	1.03	mg/L	0.017	1.61%
Ni 232	240107.2	1.05	mg/L	0.018	1.05	mg/L	0.018	1.75%
Ba 234	772703.1	1.03	mg/L	0.010	1.03	mg/L	0.010	0.97%
Mn 258	3684124.5	1.03	mg/L	0.004	1.03	mg/L	0.004	0.39%
Fe 260	84165.3	1.04	mg/L	0.022	1.04	mg/L	0.022	2.12%
Cr 268	561231.5	1.02	mg/L	0.001	1.02	mg/L	0.001	0.10%
Mg 279	7946.9	1.01	mg/L	0.006	1.01	mg/L	0.006	0.57%
V 292	380052.7	1.02	mg/L	0.008	1.02	mg/L	0.008	0.77%
Al 308	16605.2	1.08	mg/L	0.010	1.08	mg/L	0.010	0.89%
Be 313	137837.3	1.01	mg/L	0.020	1.01	mg/L	0.020	2.02%
Ca 318	83064.4	1.04	mg/L	0.003	1.04	mg/L	0.003	0.29%
Cu 325	1136793.6	0.993	mg/L	0.0138	0.993	mg/L	0.0138	1.39%
Ag 328	412132.2	0.498	mg/L	0.0007	0.498	mg/L	0.0007	0.14%

Sequence No.: 8
Sample ID: icsA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/29/2009 04:50:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: icsA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	125.4	0.0088	mg/L	0.00158	0.0088	mg/L	0.00158	17.95%
Tl 191	45.8	0.0027	mg/L	0.00040	0.0027	mg/L	0.00040	15.14%
Se 196	-328.4	0.0304	mg/L	0.00003	0.0304	mg/L	0.00003	0.08%
Sb 207	801.1	0.0299	mg/L	0.00098	0.0299	mg/L	0.00098	3.28%
Zn 214	8127.3	0.0034	mg/L	0.00083	0.0034	mg/L	0.00083	24.77%
Cd 214	1682.9	-0.0006	mg/L	0.00041	-0.0006	mg/L	0.00041	73.28%
Pb 220	-26.6	0.0036	mg/L	0.00202	0.0036	mg/L	0.00202	55.88%
Co 229	75.7	0.0022	mg/L	0.00037	0.0022	mg/L	0.00037	16.91%
Ni 232	-542.8	-0.0024	mg/L	0.00050	-0.0024	mg/L	0.00050	21.23%

Ba 234	523.0	0.0150 mg/L	0.00037	0.0150 mg/L	0.00037	2.48%
Mn 258	3171.0	0.0024 mg/L	0.00000	0.0024 mg/L	0.00000	0.00%
Fe 260	8195286.4	99.6 mg/L	0.24	99.6 mg/L	0.24	0.24%
Cr 268	1983.0	0.0064 mg/L	0.00038	0.0064 mg/L	0.00038	5.85%
Mg 279	310158.1	39.3 mg/L	0.15	39.3 mg/L	0.15	0.38%
V 292	-319.2	0.0003 mg/L	0.00007	0.0003 mg/L	0.00007	25.88%
Al 308	1547923.0	99.3 mg/L	0.62	99.3 mg/L	0.62	0.62%
Be 313	-1032.0	-0.0048 mg/L	0.00486	-0.0048 mg/L	0.00486	100.78%
Ca 318	3132229.5	40.3 mg/L	0.60	40.3 mg/L	0.60	1.50%
Cu 325	2682.9	0.0064 mg/L	0.00003	0.0064 mg/L	0.00003	0.39%
Ag 328	-111.2	0.0035 mg/L	0.00014	0.0035 mg/L	0.00014	4.00%

Sequence No.: 9
Sample ID: icsB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/29/2009 04:56:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5119.5	0.305	mg/L	0.0006	0.305	mg/L	0.0006	0.19%
Tl 191	5657.1	0.284	mg/L	0.0069	0.284	mg/L	0.0069	2.42%
Se 196	3723.8	0.324	mg/L	0.0013	0.324	mg/L	0.0013	0.41%
Sb 207	7336.5	0.301	mg/L	0.0019	0.301	mg/L	0.0019	0.62%
Zn 214	149566.0	0.288	mg/L	0.0005	0.288	mg/L	0.0005	0.17%
Cd 214	211908.1	0.284	mg/L	0.0038	0.284	mg/L	0.0038	1.33%
Pb 220	11469.9	0.286	mg/L	0.0027	0.286	mg/L	0.0027	0.94%
Co 229	65403.1	0.277	mg/L	0.0005	0.277	mg/L	0.0005	0.17%
Ni 232	63073.3	0.277	mg/L	0.0024	0.277	mg/L	0.0024	0.87%
Ba 234	717751.3	0.959	mg/L	0.0045	0.959	mg/L	0.0045	0.47%
Mn 258	1035567.0	0.290	mg/L	0.0009	0.290	mg/L	0.0009	0.31%
Fe 260	7863708.1	95.5	mg/L	0.32	95.5	mg/L	0.32	0.33%
Cr 268	159746.5	0.292	mg/L	0.0060	0.292	mg/L	0.0060	2.04%
Mg 279	292945.0	37.1	mg/L	0.03	37.1	mg/L	0.03	0.09%
V 292	110665.0	0.299	mg/L	0.0002	0.299	mg/L	0.0002	0.06%
Al 308	1510592.3	96.9	mg/L	0.20	96.9	mg/L	0.20	0.21%
Be 313	39315.2	0.291	mg/L	0.0126	0.291	mg/L	0.0126	4.35%
Ca 318	3019066.9	38.8	mg/L	0.08	38.8	mg/L	0.08	0.21%
Cu 325	339662.5	0.300	mg/L	0.0065	0.300	mg/L	0.0065	2.18%
Ag 328	233810.1	0.284	mg/L	0.0019	0.284	mg/L	0.0019	0.68%

Sequence No.: 10
Sample ID: lowstd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/29/2009 05:03:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	153.5	0.0105	mg/L	0.00117	0.0105	mg/L	0.00117	11.13%
Tl 191	205.1	0.0107	mg/L	0.00561	0.0107	mg/L	0.00561	52.66%
Se 196	269.2	0.0243	mg/L	0.00075	0.0243	mg/L	0.00075	3.07%
Sb 207	1064.4	0.0409	mg/L	0.00063	0.0409	mg/L	0.00063	1.53%
Zn 214	13547.6	0.0267	mg/L	0.00053	0.0267	mg/L	0.00053	1.99%
Cd 214	3762.7	0.0074	mg/L	0.00000	0.0074	mg/L	0.00000	0.01%
Pb 220	324.3	0.0122	mg/L	0.00052	0.0122	mg/L	0.00052	4.26%

Co 229	2555.5	0.0126 mg/L	0.00129	0.0126 mg/L	0.00129	10.25%
Ni 232	2545.9	0.0112 mg/L	0.00009	0.0112 mg/L	0.00009	0.80%
Ba 234	76748.1	0.115 mg/L	0.0017	0.115 mg/L	0.0017	1.48%
Mn 258	41358.3	0.0131 mg/L	0.00030	0.0131 mg/L	0.00030	2.27%
Fe 260	10161.3	0.146 mg/L	0.0172	0.146 mg/L	0.0172	11.82%
Cr 268	6047.6	0.0138 mg/L	0.00012	0.0138 mg/L	0.00012	0.90%
Mg 279	851.6	0.114 mg/L	0.0142	0.114 mg/L	0.0142	12.37%
V 292	19422.4	0.0534 mg/L	0.00063	0.0534 mg/L	0.00063	1.17%
Al 308	2187.2	0.152 mg/L	0.0096	0.152 mg/L	0.0096	6.28%
Be 313	1407.5	0.0130 mg/L	0.00486	0.0130 mg/L	0.00486	37.24%
Ca 318	18039.7	0.201 mg/L	0.0021	0.201 mg/L	0.0021	1.06%
Cu 325	12953.1	0.0154 mg/L	0.00020	0.0154 mg/L	0.00020	1.33%
Ag 328	7832.5	0.0130 mg/L	0.00008	0.0130 mg/L	0.00008	0.58%

Sequence No.: 11 **Autosampler Location: 3**
Sample ID: ccv1 **Date Collected: 7/29/2009 05:09:06 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	8566.3	0.510	mg/L	0.0050	0.510	mg/L	0.0050	0.97%
Tl 191	9928.0	0.499	mg/L	0.0020	0.499	mg/L	0.0020	0.40%
Se 196	6841.8	0.506	mg/L	0.0022	0.506	mg/L	0.0022	0.44%
Sb 207	12477.0	0.514	mg/L	0.0008	0.514	mg/L	0.0008	0.15%
Zn 214	246944.2	0.494	mg/L	0.0063	0.494	mg/L	0.0063	1.28%
Cd 214	373227.4	0.508	mg/L	0.0043	0.508	mg/L	0.0043	0.85%
Pb 220	20291.3	0.504	mg/L	0.0012	0.504	mg/L	0.0012	0.24%
Co 229	117983.5	0.497	mg/L	0.0019	0.497	mg/L	0.0019	0.37%
Ni 232	115839.8	0.509	mg/L	0.0046	0.509	mg/L	0.0046	0.91%
Ba 234	1865185.3	2.47	mg/L	0.028	2.47	mg/L	0.028	1.12%
Mn 258	1781550.6	0.498	mg/L	0.0023	0.498	mg/L	0.0023	0.45%
Fe 260	202039.7	2.48	mg/L	0.011	2.48	mg/L	0.011	0.45%
Cr 268	271561.6	0.494	mg/L	0.0035	0.494	mg/L	0.0035	0.70%
Mg 279	19605.4	2.49	mg/L	0.006	2.49	mg/L	0.006	0.25%
V 292	185882.9	0.501	mg/L	0.0007	0.501	mg/L	0.0007	0.15%
Al 308	38349.5	2.47	mg/L	0.022	2.47	mg/L	0.022	0.89%
Be 313	68590.3	0.505	mg/L	0.0126	0.505	mg/L	0.0126	2.50%
Ca 318	194338.5	2.47	mg/L	0.002	2.47	mg/L	0.002	0.09%
Cu 325	557190.2	0.489	mg/L	0.0013	0.489	mg/L	0.0013	0.26%
Ag 328	407048.2	0.492	mg/L	0.0013	0.492	mg/L	0.0013	0.26%

Sequence No.: 12 **Autosampler Location: 1**
Sample ID: ccb1 **Date Collected: 7/29/2009 05:15:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	265.0 kPa	0.70 L/min

Mean Data: ccb1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	30.5	0.0032	mg/L	0.00239	0.0032	mg/L	0.00239	75.47%
Tl 191	-45.5	-0.0019	mg/L	0.00093	-0.0019	mg/L	0.00093	48.62%
Se 196	-11.2	0.0038	mg/L	0.00282	0.0038	mg/L	0.00282	74.89%
Sb 207	71.3	-0.0007	mg/L	0.00142	-0.0007	mg/L	0.00142	208.29%
Zn 214	469.2	0.0005	mg/L	0.00027	0.0005	mg/L	0.00027	56.28%

Cd 214	-180.4	0.0021	mg/L	0.00019	0.0021	mg/L	0.00019	8.87%
Pb 220	-121.0	0.0013	mg/L	0.00108	0.0013	mg/L	0.00108	83.91%
Co 229	-90.2	0.0015	mg/L	0.00049	0.0015	mg/L	0.00049	32.89%
Ni 232	-509.7	-0.0022	mg/L	0.00000	-0.0022	mg/L	0.00000	0.00%
Ba 234	-93.8	0.0142	mg/L	0.00000	0.0142	mg/L	0.00000	0.00%
Mn 258	1503.6	0.0020	mg/L	0.00031	0.0020	mg/L	0.00031	15.67%
Fe 260	644.1	0.0302	mg/L	0.00369	0.0302	mg/L	0.00369	12.20%
Cr 268	48.4	0.0029	mg/L	0.00062	0.0029	mg/L	0.00062	21.16%
Mg 279	42.9	0.0120	mg/L	0.00524	0.0120	mg/L	0.00524	43.68%
V 292	1753.3	0.0059	mg/L	0.00029	0.0059	mg/L	0.00029	5.00%
Al 308	303.1	0.0317	mg/L	0.02150	0.0317	mg/L	0.02150	67.83%
Be 313	93.8	0.0034	mg/L	0.00291	0.0034	mg/L	0.00291	85.16%
Ca 318	328.7	-0.0268	mg/L	0.00000	-0.0268	mg/L	0.00000	0.00%
Cu 325	1936.3	0.0058	mg/L	0.00060	0.0058	mg/L	0.00060	10.44%
Ag 328	-275.9	0.0033	mg/L	0.00046	0.0033	mg/L	0.00046	14.15%

Sequence No.: 13 **Autosampler Location: 10**
Sample ID: pb14758 **Date Collected: 7/29/2009 05:21:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: pb14758

Analyte	Back Pressure	Flow
All	266.0 kPa	0.70 L/min

Mean Data: pb14758

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	8.4	0.0019	mg/L	0.00198	0.0019	mg/L	0.00198	105.33%
Tl 191	-55.9	-0.0024	mg/L	0.00178	-0.0024	mg/L	0.00178	73.23%
Se 196	-59.9	0.0002	mg/L	0.00189	0.0002	mg/L	0.00189	944.20%
Sb 207	151.6	0.0027	mg/L	0.00256	0.0027	mg/L	0.00256	95.87%
Zn 214	1201.8	0.0019	mg/L	0.00033	0.0019	mg/L	0.00033	16.89%
Cd 214	-48.4	0.0023	mg/L	0.00025	0.0023	mg/L	0.00025	11.14%
Pb 220	-130.1	0.0011	mg/L	0.00160	0.0011	mg/L	0.00160	149.64%
Co 229	-103.9	0.0014	mg/L	0.00026	0.0014	mg/L	0.00026	17.88%
Ni 232	-272.3	-0.0012	mg/L	0.00243	-0.0012	mg/L	0.00243	204.48%
Ba 234	-281.5	0.0140	mg/L	0.00000	0.0140	mg/L	0.00000	0.00%
Mn 258	4481.6	0.0028	mg/L	0.00000	0.0028	mg/L	0.00000	0.00%
Fe 260	644.1	0.0302	mg/L	0.00369	0.0302	mg/L	0.00369	12.20%
Cr 268	722.6	0.0041	mg/L	0.00012	0.0041	mg/L	0.00012	2.99%
Mg 279	55.7	0.0136	mg/L	0.01772	0.0136	mg/L	0.01772	130.02%
V 292	281.4	0.0019	mg/L	0.00037	0.0019	mg/L	0.00037	19.34%
Al 308	93.0	0.0182	mg/L	0.00474	0.0182	mg/L	0.00474	26.01%
Be 313	-844.4	-0.0034	mg/L	0.00486	-0.0034	mg/L	0.00486	140.92%
Ca 318	1642.3	-0.0099	mg/L	0.00187	-0.0099	mg/L	0.00187	18.96%
Cu 325	1258.6	0.0052	mg/L	0.00018	0.0052	mg/L	0.00018	3.43%
Ag 328	-1076.6	0.0023	mg/L	0.00008	0.0023	mg/L	0.00008	3.33%

Sequence No.: 14 **Autosampler Location: 11**
Sample ID: lcs14758 **Date Collected: 7/29/2009 05:27:55 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: lcs14758

Analyte	Back Pressure	Flow
All	266.0 kPa	0.70 L/min

Mean Data: lcs14758

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6586.1	0.393	mg/L	0.0035	0.393	mg/L	0.0035	0.88%
Tl 191	6942.4	0.349	mg/L	0.0076	0.349	mg/L	0.0076	2.17%
Se 196	4947.4	0.367	mg/L	0.0005	0.367	mg/L	0.0005	0.14%

Sb 207	9203.4	0.378 mg/L	0.0018	0.378 mg/L	0.0018	0.47%
Zn 214	184604.7	0.369 mg/L	0.0037	0.369 mg/L	0.0037	1.00%
Cd 214	278449.6	0.379 mg/L	0.0051	0.379 mg/L	0.0051	1.34%
Pb 220	15264.8	0.380 mg/L	0.0015	0.380 mg/L	0.0015	0.39%
Co 229	93123.9	0.393 mg/L	0.0074	0.393 mg/L	0.0074	1.89%
Ni 232	89601.0	0.394 mg/L	0.0015	0.394 mg/L	0.0015	0.38%
Ba 234	1473001.8	1.95 mg/L	0.046	1.95 mg/L	0.046	2.37%
Mn 258	1410869.0	0.395 mg/L	0.0021	0.395 mg/L	0.0021	0.53%
Fe 260	161100.6	1.98 mg/L	0.001	1.98 mg/L	0.001	0.06%
Cr 268	215992.0	0.394 mg/L	0.0005	0.394 mg/L	0.0005	0.13%
Mg 279	15645.8	1.99 mg/L	0.034	1.99 mg/L	0.034	1.73%
V 292	144570.7	0.390 mg/L	0.0003	0.390 mg/L	0.0003	0.07%
Al 308	30731.7	1.98 mg/L	0.009	1.98 mg/L	0.009	0.44%
Be 313	51794.7	0.382 mg/L	0.0019	0.382 mg/L	0.0019	0.51%
Ca 318	159226.3	2.02 mg/L	0.020	2.02 mg/L	0.020	0.97%
Cu 325	451672.3	0.397 mg/L	0.0035	0.397 mg/L	0.0035	0.88%
Ag 328	294053.4	0.357 mg/L	0.0027	0.357 mg/L	0.0027	0.76%

Sequence No.: 15 **Autosampler Location: 12**
Sample ID: lcd14758 **Date Collected: 7/29/2009 05:34:11 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: lcd14758

Analyte	Back Pressure	Flow
All	266.0 kPa	0.70 L/min

Mean Data: lcd14758

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6586.0	0.393	mg/L	0.0012	0.393	mg/L	0.0012	0.31%
Tl 191	7099.1	0.357	mg/L	0.0009	0.357	mg/L	0.0009	0.26%
Se 196	4929.5	0.366	mg/L	0.0007	0.366	mg/L	0.0007	0.20%
Sb 207	9174.6	0.377	mg/L	0.0025	0.377	mg/L	0.0025	0.67%
Zn 214	186124.0	0.372	mg/L	0.0043	0.372	mg/L	0.0043	1.15%
Cd 214	280053.2	0.381	mg/L	0.0007	0.381	mg/L	0.0007	0.17%
Pb 220	15462.1	0.385	mg/L	0.0016	0.385	mg/L	0.0016	0.43%
Co 229	93035.2	0.393	mg/L	0.0026	0.393	mg/L	0.0026	0.65%
Ni 232	90064.7	0.396	mg/L	0.0018	0.396	mg/L	0.0018	0.46%
Ba 234	1463437.8	1.94	mg/L	0.024	1.94	mg/L	0.024	1.23%
Mn 258	1419479.5	0.397	mg/L	0.0004	0.397	mg/L	0.0004	0.11%
Fe 260	162318.8	1.99	mg/L	0.030	1.99	mg/L	0.030	1.48%
Cr 268	214832.0	0.392	mg/L	0.0020	0.392	mg/L	0.0020	0.51%
Mg 279	16201.6	2.06	mg/L	0.033	2.06	mg/L	0.033	1.61%
V 292	146534.3	0.395	mg/L	0.0008	0.395	mg/L	0.0008	0.21%
Al 308	30120.0	1.94	mg/L	0.022	1.94	mg/L	0.022	1.13%
Be 313	51325.6	0.379	mg/L	0.0029	0.379	mg/L	0.0029	0.77%
Ca 318	158565.6	2.01	mg/L	0.005	2.01	mg/L	0.005	0.25%
Cu 325	444571.5	0.391	mg/L	0.0021	0.391	mg/L	0.0021	0.54%
Ag 328	295234.0	0.358	mg/L	0.0005	0.358	mg/L	0.0005	0.14%

Sequence No.: 16 **Autosampler Location: 13**
Sample ID: G368-76-1C **Date Collected: 7/29/2009 05:40:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-76-1C

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G368-76-1C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1394.4	0.0851	mg/L	0.00319	0.0851	mg/L	0.00319	3.75%

Tl 191	-73.0	0.0159 mg/L	0.00149	0.0159 mg/L	0.00149	9.35%
Se 196	-722.0	0.0687 mg/L	0.01265	0.0687 mg/L	0.01265	18.41%
Sb 207	262.9	0.0052 mg/L	0.00057	0.0052 mg/L	0.00057	10.94%
Zn 214	1049673.0	2.08 mg/L	0.027	2.08 mg/L	0.027	1.29%
Cd 214	7276.4	0.0001 mg/L	0.00016	0.0001 mg/L	0.00016	243.52%
Pb 220	14103.9	0.351 mg/L	0.0000	0.351 mg/L	0.0000	0.00%
Co 229	29624.5	0.126 mg/L	0.0010	0.126 mg/L	0.0010	0.78%
Ni 232	30760.3	0.135 mg/L	0.0013	0.135 mg/L	0.0013	0.96%
Ba 234	486326.9	0.655 mg/L	0.0041	0.655 mg/L	0.0041	0.63%
Mn 258	32732727.9	9.13 mg/L	0.006	9.13 mg/L	0.006	0.07%
Fe 260	19214536.4	233 mg/L	0.9	233 mg/L	0.9	0.37%
Cr 268	105323.1	0.193 mg/L	0.0015	0.193 mg/L	0.0015	0.77%
Mg 279	301836.7	38.2 mg/L	0.49	38.2 mg/L	0.49	1.27%
V 292	103624.6	0.280 mg/L	0.0007	0.280 mg/L	0.0007	0.26%
Al 308	1945688.7	125 mg/L	0.4	125 mg/L	0.4	0.28%
Be 313	469.2	0.0062 mg/L	0.00097	0.0062 mg/L	0.00097	15.76%
Ca 318	21444850.4	276 mg/L	1.2	276 mg/L	1.2	0.44%
Cu 325	1111447.9	0.971 mg/L	0.0035	0.971 mg/L	0.0035	0.36%
Ag 328	750.8	0.0045 mg/L	0.00055	0.0045 mg/L	0.00055	12.09%

Sequence No.: 17 **Autosampler Location: 14**
Sample ID: G368-76-1D ms **Date Collected: 7/29/2009 05:46:38 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-76-1D ms

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G368-76-1D ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7968.7	0.476	mg/L	0.0018	0.476	mg/L	0.0018	0.38%
Tl 191	6570.4	0.360	mg/L	0.0018	0.360	mg/L	0.0018	0.50%
Se 196	4043.5	0.440	mg/L	0.0143	0.440	mg/L	0.0143	3.24%
Sb 207	3864.8	0.152	mg/L	0.0027	0.152	mg/L	0.0027	1.75%
Zn 214	1418712.7	2.82	mg/L	0.023	2.82	mg/L	0.023	0.82%
Cd 214	272455.0	0.357	mg/L	0.0017	0.357	mg/L	0.0017	0.48%
Pb 220	31070.1	0.769	mg/L	0.0004	0.769	mg/L	0.0004	0.05%
Co 229	135525.1	0.571	mg/L	0.0002	0.571	mg/L	0.0002	0.03%
Ni 232	117942.2	0.518	mg/L	0.0063	0.518	mg/L	0.0063	1.22%
Ba 234	1997352.7	2.64	mg/L	0.011	2.64	mg/L	0.011	0.43%
Mn 258	52765442.2	14.7	mg/L	0.05	14.7	mg/L	0.05	0.36%
Fe 260	22967823.9	279	mg/L	1.3	279	mg/L	1.3	0.45%
Cr 268	320879.4	0.583	mg/L	0.0056	0.583	mg/L	0.0056	0.96%
Mg 279	234644.6	29.7	mg/L	0.44	29.7	mg/L	0.44	1.48%
V 292	259234.0	0.698	mg/L	0.0043	0.698	mg/L	0.0043	0.61%
Al 308	2048301.0	131	mg/L	0.1	131	mg/L	0.1	0.05%
Be 313	51607.0	0.381	mg/L	0.0039	0.381	mg/L	0.0039	1.02%
Ca 318	10360296.5	133	mg/L	0.1	133	mg/L	0.1	0.10%
Cu 325	1287606.7	1.12	mg/L	0.006	1.12	mg/L	0.006	0.49%
Ag 328	302303.5	0.367	mg/L	0.0028	0.367	mg/L	0.0028	0.77%

Sequence No.: 18 **Autosampler Location: 15**
Sample ID: G368-76-1E msd **Date Collected: 7/29/2009 05:52:46 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-76-1E msd

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G368-76-1E msd

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	7456.0	0.445	mg/L	0.0043	0.445	mg/L	0.0043	0.96%
Tl 191	6379.2	0.348	mg/L	0.0013	0.348	mg/L	0.0013	0.37%
Se 196	4198.1	0.421	mg/L	0.0008	0.421	mg/L	0.0008	0.20%
Sb 207	3907.2	0.154	mg/L	0.0044	0.154	mg/L	0.0044	2.84%
Zn 214	540883.4	1.06	mg/L	0.002	1.06	mg/L	0.002	0.21%
Cd 214	254631.8	0.336	mg/L	0.0023	0.336	mg/L	0.0023	0.69%
Pb 220	24213.1	0.600	mg/L	0.0041	0.600	mg/L	0.0041	0.69%
Co 229	112179.3	0.473	mg/L	0.0017	0.473	mg/L	0.0017	0.35%
Ni 232	107339.4	0.471	mg/L	0.0026	0.471	mg/L	0.0026	0.56%
Ba 234	1797351.1	2.38	mg/L	0.031	2.38	mg/L	0.031	1.30%
Mn 258	48504313.6	13.5	mg/L	0.05	13.5	mg/L	0.05	0.34%
Fe 260	18081739.9	220	mg/L	0.5	220	mg/L	0.5	0.23%
Cr 268	318695.8	0.580	mg/L	0.0020	0.580	mg/L	0.0020	0.34%
Mg 279	248888.3	31.5	mg/L	0.05	31.5	mg/L	0.05	0.17%
V 292	245289.3	0.660	mg/L	0.0000	0.660	mg/L	0.0000	0.00%
Al 308	2102024.0	135	mg/L	0.8	135	mg/L	0.8	0.60%
Be 313	48979.8	0.361	mg/L	0.0039	0.361	mg/L	0.0039	1.08%
Ca 318	Saturated4							
Cu 325	963643.8	0.842	mg/L	0.0065	0.842	mg/L	0.0065	0.78%
Ag 328	291777.5	0.354	mg/L	0.0012	0.354	mg/L	0.0012	0.33%

Sequence No.: 19
Sample ID: G368-76-1F dup
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 7/29/2009 05:58:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-76-1F dup

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G368-76-1F dup

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	2449.4	0.147	mg/L	0.0052	0.147	mg/L	0.0052	3.56%
Tl 191	-234.1	0.0204	mg/L	0.00138	0.0204	mg/L	0.00138	6.80%
Se 196	-875.7	0.123	mg/L	0.0023	0.123	mg/L	0.0023	1.83%
Sb 207	484.4	0.0149	mg/L	0.00137	0.0149	mg/L	0.00137	9.20%
Zn 214	512470.8	0.985	mg/L	0.0013	0.985	mg/L	0.0013	0.13%
Cd 214	8768.3	-0.0047	mg/L	0.00008	-0.0047	mg/L	0.00008	1.62%
Pb 220	14350.6	0.357	mg/L	0.0060	0.357	mg/L	0.0060	1.69%
Co 229	37592.8	0.160	mg/L	0.0013	0.160	mg/L	0.0013	0.81%
Ni 232	27163.8	0.119	mg/L	0.0014	0.119	mg/L	0.0014	1.21%
Ba 234	527898.9	0.709	mg/L	0.0115	0.709	mg/L	0.0115	1.62%
Mn 258	54003882.8	15.1	mg/L	0.03	15.1	mg/L	0.03	0.23%
Fe 260	30037114.4	365	mg/L	0.3	365	mg/L	0.3	0.08%
Cr 268	86250.1	0.159	mg/L	0.0010	0.159	mg/L	0.0010	0.62%
Mg 279	288129.5	36.5	mg/L	0.31	36.5	mg/L	0.31	0.84%
V 292	101426.5	0.274	mg/L	0.0017	0.274	mg/L	0.0017	0.63%
Al 308	1842704.0	118	mg/L	0.4	118	mg/L	0.4	0.34%
Be 313	1219.8	0.0117	mg/L	0.00097	0.0117	mg/L	0.00097	8.33%
Ca 318	Saturated4							
Cu 325	643890.0	0.564	mg/L	0.0040	0.564	mg/L	0.0040	0.71%
Ag 328	1753.3	0.0057	mg/L	0.00026	0.0057	mg/L	0.00026	4.60%

Sequence No.: 20
Sample ID: G368-76-2C
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 7/29/2009 06:05:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G368-76-2C

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G368-76-2C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1441.1	0.0877	mg/L	0.00247	0.0877	mg/L	0.00247	2.81%
Tl 191	13.9	0.0048	mg/L	0.00128	0.0048	mg/L	0.00128	26.91%
Se 196	-799.4	0.0727	mg/L	0.00347	0.0727	mg/L	0.00347	4.77%
Sb 207	341.2	0.0087	mg/L	0.00317	0.0087	mg/L	0.00317	36.39%
Zn 214	236680.7	0.444	mg/L	0.0010	0.444	mg/L	0.0010	0.23%
Cd 214	5878.7	-0.0028	mg/L	0.00028	-0.0028	mg/L	0.00028	10.01%
Pb 220	3496.3	0.0903	mg/L	0.00239	0.0903	mg/L	0.00239	2.65%
Co 229	19538.5	0.0839	mg/L	0.00071	0.0839	mg/L	0.00071	0.84%
Ni 232	36575.2	0.161	mg/L	0.0007	0.161	mg/L	0.0007	0.45%
Ba 234	263342.3	0.361	mg/L	0.0041	0.361	mg/L	0.0041	1.14%
Mn 258	6321370.6	1.76	mg/L	0.006	1.76	mg/L	0.006	0.33%
Fe 260	20791698.3	253	mg/L	1.3	253	mg/L	1.3	0.51%
Cr 268	95746.9	0.176	mg/L	0.0012	0.176	mg/L	0.0012	0.70%
Mg 279	147522.4	18.7	mg/L	0.16	18.7	mg/L	0.16	0.86%
V 292	113180.8	0.305	mg/L	0.0014	0.305	mg/L	0.0014	0.45%
Al 308	2161127.0	139	mg/L	0.0	139	mg/L	0.0	0.02%
Be 313	-187.6	0.0014	mg/L	0.00583	0.0014	mg/L	0.00583	427.85%
Ca 318	67828.0	0.842	mg/L	0.0110	0.842	mg/L	0.0110	1.31%
Cu 325	102529.3	0.0933	mg/L	0.00089	0.0933	mg/L	0.00089	0.96%
Ag 328	-797.6	0.0027	mg/L	0.00001	0.0027	mg/L	0.00001	0.53%

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Sequence No.: 21 **Autosampler Location: 18**
Sample ID: G368-76-3C **Date Collected: 7/29/2009 06:11:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G368-76-3C

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G368-76-3C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1094.8	0.0673	mg/L	0.00463	0.0673	mg/L	0.00463	6.87%
Tl 191	-18.0	0.0028	mg/L	0.00130	0.0028	mg/L	0.00130	46.64%
Se 196	-591.6	0.0650	mg/L	0.00391	0.0650	mg/L	0.00391	6.01%
Sb 207	297.3	0.0068	mg/L	0.00103	0.0068	mg/L	0.00103	15.18%
Zn 214	232682.0	0.441	mg/L	0.0045	0.441	mg/L	0.0045	1.02%
Cd 214	3998.6	-0.0030	mg/L	0.00001	-0.0030	mg/L	0.00001	0.25%
Pb 220	2351.9	0.0621	mg/L	0.00161	0.0621	mg/L	0.00161	2.60%
Co 229	20651.9	0.0886	mg/L	0.00047	0.0886	mg/L	0.00047	0.53%
Ni 232	61868.6	0.272	mg/L	0.0007	0.272	mg/L	0.0007	0.25%
Ba 234	268657.6	0.368	mg/L	0.0080	0.368	mg/L	0.0080	2.18%
Mn 258	5677634.4	1.58	mg/L	0.006	1.58	mg/L	0.006	0.38%
Fe 260	17041771.5	207	mg/L	2.3	207	mg/L	2.3	1.11%
Cr 268	98506.2	0.181	mg/L	0.0001	0.181	mg/L	0.0001	0.07%
Mg 279	300643.8	38.1	mg/L	0.05	38.1	mg/L	0.05	0.13%
V 292	80931.6	0.219	mg/L	0.0007	0.219	mg/L	0.0007	0.30%
Al 308	1943703.9	125	mg/L	0.0	125	mg/L	0.0	0.02%
Be 313	187.8	0.0041	mg/L	0.00971	0.0041	mg/L	0.00971	236.30%
Ca 318	68676.4	0.852	mg/L	0.0068	0.852	mg/L	0.0068	0.80%
Cu 325	129278.9	0.117	mg/L	0.0000	0.117	mg/L	0.0000	0.02%
Ag 328	-1023.5	0.0024	mg/L	0.00072	0.0024	mg/L	0.00072	30.04%

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Sequence No.: 22 **Autosampler Location: 19**
Sample ID: G1090-1-1E **Date Collected: 7/29/2009 06:17:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G1090-1-1E

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G1090-1-1E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	101.8	0.0075	mg/L	0.00104	0.0075	mg/L	0.00104	13.77%
Tl 191	-68.3	-0.0030	mg/L	0.00075	-0.0030	mg/L	0.00075	25.08%
Se 196	-39.2	0.0098	mg/L	0.00319	0.0098	mg/L	0.00319	32.51%
Sb 207	113.6	0.0009	mg/L	0.00119	0.0009	mg/L	0.00119	135.10%
Zn 214	31678.8	0.0613	mg/L	0.00054	0.0613	mg/L	0.00054	0.88%
Cd 214	387.3	0.0020	mg/L	0.00038	0.0020	mg/L	0.00038	18.90%
Pb 220	4882.0	0.124	mg/L	0.0013	0.124	mg/L	0.0013	1.02%
Co 229	338.5	0.0033	mg/L	0.00032	0.0033	mg/L	0.00032	9.61%
Ni 232	1000.6	0.0044	mg/L	0.00174	0.0044	mg/L	0.00174	39.60%
Ba 234	62359.0	0.0964	mg/L	0.00019	0.0964	mg/L	0.00019	0.20%
Mn 258	105393.1	0.0309	mg/L	0.00030	0.0309	mg/L	0.00030	0.96%
Fe 260	1331251.8	16.2	mg/L	0.01	16.2	mg/L	0.01	0.07%
Cr 268	10452.8	0.0218	mg/L	0.00000	0.0218	mg/L	0.00000	0.00%
Mg 279	7745.2	0.988	mg/L	0.0022	0.988	mg/L	0.0022	0.23%
V 292	13729.9	0.0381	mg/L	0.00055	0.0381	mg/L	0.00055	1.45%
Al 308	264232.4	17.0	mg/L	0.10	17.0	mg/L	0.10	0.58%
Be 313	-1125.7	-0.0055	mg/L	0.00194	-0.0055	mg/L	0.00194	35.27%
Ca 318	247516.7	3.15	mg/L	0.004	3.15	mg/L	0.004	0.14%
Cu 325	9903.4	0.0127	mg/L	0.00009	0.0127	mg/L	0.00009	0.74%
Ag 328	-1047.6	0.0024	mg/L	0.00044	0.0024	mg/L	0.00044	18.76%

Sequence No.: 23
Sample ID: ccv2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/29/2009 06:23:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: ccv2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	8937.8	0.532	mg/L	0.0001	0.532	mg/L	0.0001	0.03%
Tl 191	10123.1	0.508	mg/L	0.0018	0.508	mg/L	0.0018	0.35%
Se 196	7111.6	0.525	mg/L	0.0094	0.525	mg/L	0.0094	1.79%
Sb 207	12687.5	0.523	mg/L	0.0007	0.523	mg/L	0.0007	0.13%
Zn 214	255764.3	0.512	mg/L	0.0022	0.512	mg/L	0.0022	0.43%
Cd 214	384271.6	0.523	mg/L	0.0012	0.523	mg/L	0.0012	0.23%
Pb 220	20891.6	0.518	mg/L	0.0035	0.518	mg/L	0.0035	0.67%
Co 229	121780.0	0.513	mg/L	0.0065	0.513	mg/L	0.0065	1.27%
Ni 232	117556.8	0.516	mg/L	0.0050	0.516	mg/L	0.0050	0.97%
Ba 234	1897906.3	2.51	mg/L	0.014	2.51	mg/L	0.014	0.56%
Mn 258	1835958.2	0.513	mg/L	0.0007	0.513	mg/L	0.0007	0.14%
Fe 260	210842.7	2.58	mg/L	0.037	2.58	mg/L	0.037	1.43%
Cr 268	277999.9	0.506	mg/L	0.0031	0.506	mg/L	0.0031	0.61%
Mg 279	20286.8	2.58	mg/L	0.033	2.58	mg/L	0.033	1.27%
V 292	192148.8	0.518	mg/L	0.0038	0.518	mg/L	0.0038	0.73%
Al 308	39700.0	2.56	mg/L	0.030	2.56	mg/L	0.030	1.18%
Be 313	70091.6	0.516	mg/L	0.0029	0.516	mg/L	0.0029	0.56%
Ca 318	198166.1	2.52	mg/L	0.040	2.52	mg/L	0.040	1.60%
Cu 325	560744.5	0.492	mg/L	0.0037	0.492	mg/L	0.0037	0.74%
Ag 328	412998.2	0.499	mg/L	0.0002	0.499	mg/L	0.0002	0.03%

Sequence No.: 24
Sample ID: ccb2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/29/2009 06:30:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	67.1	0.0053	mg/L	0.00023	0.0053	mg/L	0.00023	4.29%
Tl 191	26.4	0.0017	mg/L	0.00470	0.0017	mg/L	0.00470	279.08%
Se 196	-37.6	0.0018	mg/L	0.00041	0.0018	mg/L	0.00041	22.44%
Sb 207	18.6	-0.0029	mg/L	0.00040	-0.0029	mg/L	0.00040	13.79%
Zn 214	487.2	0.0005	mg/L	0.00022	0.0005	mg/L	0.00022	43.68%
Cd 214	-83.6	0.0022	mg/L	0.00056	0.0022	mg/L	0.00056	25.03%
Pb 220	9.1	0.0045	mg/L	0.00013	0.0045	mg/L	0.00013	2.91%
Co 229	-29.8	0.0018	mg/L	0.00073	0.0018	mg/L	0.00073	41.32%
Ni 232	329.0	0.0015	mg/L	0.00015	0.0015	mg/L	0.00015	10.40%
Ba 234	-222.3	0.0140	mg/L	0.00085	0.0140	mg/L	0.00085	6.09%
Mn 258	1847.5	0.0021	mg/L	0.00015	0.0021	mg/L	0.00015	7.17%
Fe 260	-504.0	0.0163	mg/L	0.01107	0.0163	mg/L	0.01107	67.90%
Cr 268	288.7	0.0034	mg/L	0.00025	0.0034	mg/L	0.00025	7.50%
Mg 279	122.3	0.0221	mg/L	0.00849	0.0221	mg/L	0.00849	38.48%
V 292	1298.0	0.0046	mg/L	0.00181	0.0046	mg/L	0.00181	38.95%
Al 308	439.5	0.0404	mg/L	0.00913	0.0404	mg/L	0.00913	22.57%
Be 313	-0.1	0.0027	mg/L	0.00000	0.0027	mg/L	0.00000	0.03%
Ca 318	207.2	-0.0283	mg/L	0.00221	-0.0283	mg/L	0.00221	7.80%
Cu 325	2226.8	0.0060	mg/L	0.00006	0.0060	mg/L	0.00006	0.98%
Ag 328	-187.3	0.0034	mg/L	0.00017	0.0034	mg/L	0.00017	5.02%

Sequence No.: 25
Sample ID: G1090-1-3E
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 7/29/2009 06:36:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1090-1-3E

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G1090-1-3E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	294.2	0.0192	mg/L	0.00228	0.0192	mg/L	0.00228	11.85%
Tl 191	-132.5	-0.0061	mg/L	0.00208	-0.0061	mg/L	0.00208	34.17%
Se 196	-218.2	0.0209	mg/L	0.00116	0.0209	mg/L	0.00116	5.56%
Sb 207	181.0	0.0032	mg/L	0.00213	0.0032	mg/L	0.00213	66.05%
Zn 214	18354.8	0.0283	mg/L	0.00052	0.0283	mg/L	0.00052	1.83%
Cd 214	1651.2	0.0012	mg/L	0.00037	0.0012	mg/L	0.00037	30.52%
Pb 220	1986.0	0.0531	mg/L	0.00007	0.0531	mg/L	0.00007	0.13%
Co 229	1534.5	0.0083	mg/L	0.00183	0.0083	mg/L	0.00183	21.97%
Ni 232	3785.5	0.0166	mg/L	0.00105	0.0166	mg/L	0.00105	6.32%
Ba 234	248584.9	0.342	mg/L	0.0036	0.342	mg/L	0.0036	1.07%
Mn 258	317832.1	0.0902	mg/L	0.00062	0.0902	mg/L	0.00062	0.69%
Fe 260	5304829.1	64.5	mg/L	0.17	64.5	mg/L	0.17	0.26%
Cr 268	34074.4	0.0645	mg/L	0.00024	0.0645	mg/L	0.00024	0.38%
Mg 279	80230.3	10.2	mg/L	0.13	10.2	mg/L	0.13	1.25%
V 292	22258.9	0.0610	mg/L	0.00052	0.0610	mg/L	0.00052	0.85%
Al 308	644271.2	41.3	mg/L	0.21	41.3	mg/L	0.21	0.50%
Be 313	-656.7	-0.0021	mg/L	0.00097	-0.0021	mg/L	0.00097	46.89%
Ca 318	1744517.6	22.4	mg/L	0.17	22.4	mg/L	0.17	0.76%
Cu 325	9447.3	0.0123	mg/L	0.00018	0.0123	mg/L	0.00018	1.45%
Ag 328	-1771.2	0.0015	mg/L	0.00056	0.0015	mg/L	0.00056	37.88%

Sequence No.: 26
Sample ID: G296-633-5D
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 7/29/2009 06:42:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G296-633-5D

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G296-633-5D

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2595.5	0.155	mg/L	0.0016	0.155	mg/L	0.0016	1.01%
Tl 191	-101.2	0.0114	mg/L	0.00055	0.0114	mg/L	0.00055	4.80%
Se 196	-1131.8	0.0999	mg/L	0.00001	0.0999	mg/L	0.00001	0.01%
Sb 207	481.5	0.0151	mg/L	0.00275	0.0151	mg/L	0.00275	18.25%
Zn 214	553474.7	1.07	mg/L	0.003	1.07	mg/L	0.003	0.25%
Cd 214	10111.4	-0.0024	mg/L	0.00065	-0.0024	mg/L	0.00065	26.62%
Pb 220	5415.3	0.138	mg/L	0.0006	0.138	mg/L	0.0006	0.44%
Co 229	15771.7	0.0681	mg/L	0.00097	0.0681	mg/L	0.00097	1.42%
Ni 232	56238.8	0.247	mg/L	0.0010	0.247	mg/L	0.0010	0.39%
Ba 234	282125.5	0.386	mg/L	0.0027	0.386	mg/L	0.0027	0.69%
Mn 258	27357467.8	7.63	mg/L	0.035	7.63	mg/L	0.035	0.45%
Fe 260	29266099.9	356	mg/L	5.0	356	mg/L	5.0	1.41%
Cr 268	71195.0	0.132	mg/L	0.0009	0.132	mg/L	0.0009	0.66%
Mg 279	219929.1	27.9	mg/L	0.10	27.9	mg/L	0.10	0.34%
V 292	54692.6	0.148	mg/L	0.0026	0.148	mg/L	0.0026	1.74%
Al 308	1116347.2	71.6	mg/L	0.18	71.6	mg/L	0.18	0.25%
Be 313	-375.3	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%
Ca 318	3401979.9	43.7	mg/L	0.49	43.7	mg/L	0.49	1.13%
Cu 325	501492.4	0.440	mg/L	0.0027	0.440	mg/L	0.0027	0.60%
Ag 328	-4875.9	-0.0022	mg/L	0.00002	-0.0022	mg/L	0.00002	0.75%

Sequence No.: 27
Sample ID: G296-633-6F
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 22
Date Collected: 7/29/2009 06:48:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G296-633-6F

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G296-633-6F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2371.0	0.142	mg/L	0.0005	0.142	mg/L	0.0005	0.35%
Tl 191	-36.9	0.0054	mg/L	0.00310	0.0054	mg/L	0.00310	57.56%
Se 196	-586.2	0.0508	mg/L	0.00503	0.0508	mg/L	0.00503	9.89%
Sb 207	221.5	0.0044	mg/L	0.00070	0.0044	mg/L	0.00070	16.01%
Zn 214	324654.0	0.630	mg/L	0.0010	0.630	mg/L	0.0010	0.16%
Cd 214	4699.2	-0.0005	mg/L	0.00034	-0.0005	mg/L	0.00034	63.78%
Pb 220	8832.3	0.222	mg/L	0.0011	0.222	mg/L	0.0011	0.52%
Co 229	15826.7	0.0683	mg/L	0.00108	0.0683	mg/L	0.00108	1.59%
Ni 232	39227.6	0.172	mg/L	0.0033	0.172	mg/L	0.0033	1.92%
Ba 234	234411.1	0.323	mg/L	0.0019	0.323	mg/L	0.0019	0.59%
Mn 258	11679088.0	3.26	mg/L	0.026	3.26	mg/L	0.026	0.79%
Fe 260	14638700.1	178	mg/L	0.4	178	mg/L	0.4	0.23%
Cr 268	60502.0	0.112	mg/L	0.0005	0.112	mg/L	0.0005	0.45%
Mg 279	303174.2	38.4	mg/L	0.20	38.4	mg/L	0.20	0.53%
V 292	44846.0	0.122	mg/L	0.0003	0.122	mg/L	0.0003	0.21%
Al 308	1148962.0	73.7	mg/L	0.61	73.7	mg/L	0.61	0.83%
Be 313	-562.9	-0.0014	mg/L	0.00194	-0.0014	mg/L	0.00194	140.17%
Ca 318	5494523.3	70.6	mg/L	0.18	70.6	mg/L	0.18	0.26%
Cu 325	328992.2	0.290	mg/L	0.0033	0.290	mg/L	0.0033	1.13%
Ag 328	-2523.9	0.0006	mg/L	0.00044	0.0006	mg/L	0.00044	75.23%

Sequence No.: 28
Sample ID: G582-416-3C
Analyst:
Initial Sample Wt:
Autosampler Location: 23
Date Collected: 7/29/2009 06:55:01 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Nebulizer Parameters: G582-416-3C

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G582-416-3C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	596.1	0.0373	mg/L	0.00035	0.0373	mg/L	0.00035	0.93%
Tl 191	-199.7	-0.0065	mg/L	0.00201	-0.0065	mg/L	0.00201	30.75%
Se 196	-300.0	0.0236	mg/L	0.00110	0.0236	mg/L	0.00110	4.67%
Sb 207	-500.7	-0.0257	mg/L	0.00040	-0.0257	mg/L	0.00040	1.55%
Zn 214	35486.0	0.0605	mg/L	0.00016	0.0605	mg/L	0.00016	0.27%
Cd 214	1537.7	0.0002	mg/L	0.00048	0.0002	mg/L	0.00048	288.53%
Pb 220	663.0	0.0206	mg/L	0.00071	0.0206	mg/L	0.00071	3.47%
Co 229	7467.8	0.0332	mg/L	0.00100	0.0332	mg/L	0.00100	3.02%
Ni 232	9576.1	0.0421	mg/L	0.00034	0.0421	mg/L	0.00034	0.80%
Ba 234	544976.1	0.732	mg/L	0.0029	0.732	mg/L	0.0029	0.39%
Mn 258	5285716.7	1.48	mg/L	0.001	1.48	mg/L	0.001	0.05%
Fe 260	6736783.2	81.9	mg/L	0.89	81.9	mg/L	0.89	1.08%
Cr 268	52614.9	0.0980	mg/L	0.00012	0.0980	mg/L	0.00012	0.12%
Mg 279	289370.6	36.7	mg/L	0.62	36.7	mg/L	0.62	1.70%
V 292	55409.7	0.150	mg/L	0.0007	0.150	mg/L	0.0007	0.49%
Al 308	1340790.7	86.0	mg/L	0.71	86.0	mg/L	0.71	0.83%
Be 313	0.1	0.0027	mg/L	0.00777	0.0027	mg/L	0.00777	284.02%
Ca 318	15819475.5	203	mg/L	3.8	203	mg/L	3.8	1.88%
Cu 325	69914.8	0.0649	mg/L	0.00062	0.0649	mg/L	0.00062	0.96%
Ag 328	-698.2	0.0028	mg/L	0.00012	0.0028	mg/L	0.00012	4.26%

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Sequence No.: 29 Autosampler Location: 24
Sample ID: G582-408-8F Date Collected: 7/29/2009 07:01:15 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: G582-408-8F

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G582-408-8F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	309.3	0.0207	mg/L	0.00086	0.0207	mg/L	0.00086	4.18%
Tl 191	-156.4	-0.0054	mg/L	0.00610	-0.0054	mg/L	0.00610	111.91%
Se 196	-195.4	0.0211	mg/L	0.00126	0.0211	mg/L	0.00126	5.98%
Sb 207	-330.5	-0.0190	mg/L	0.00240	-0.0190	mg/L	0.00240	12.57%
Zn 214	218307.9	0.431	mg/L	0.0007	0.431	mg/L	0.0007	0.16%
Cd 214	1909.1	0.0017	mg/L	0.00015	0.0017	mg/L	0.00015	8.87%
Pb 220	15115.0	0.376	mg/L	0.0035	0.376	mg/L	0.0035	0.93%
Co 229	5581.0	0.0253	mg/L	0.00033	0.0253	mg/L	0.00033	1.29%
Ni 232	9658.5	0.0424	mg/L	0.00065	0.0424	mg/L	0.00065	1.54%
Ba 234	650667.7	0.871	mg/L	0.0123	0.871	mg/L	0.0123	1.41%
Mn 258	3442563.1	0.961	mg/L	0.0055	0.961	mg/L	0.0055	0.57%
Fe 260	5063427.9	61.5	mg/L	0.17	61.5	mg/L	0.17	0.27%
Cr 268	74300.2	0.137	mg/L	0.0009	0.137	mg/L	0.0009	0.63%
Mg 279	382317.1	48.4	mg/L	0.03	48.4	mg/L	0.03	0.07%
V 292	33538.1	0.0913	mg/L	0.00018	0.0913	mg/L	0.00018	0.20%
Al 308	988693.5	63.4	mg/L	0.11	63.4	mg/L	0.11	0.17%
Be 313	0.1	0.0027	mg/L	0.00194	0.0027	mg/L	0.00194	70.98%
Ca 318	25528643.3	328	mg/L	0.3	328	mg/L	0.3	0.09%
Saturated within survey window (code 5)								
Cu 325	63415.2	0.0593	mg/L	0.00137	0.0593	mg/L	0.00137	2.31%
Ag 328	1985.0	0.0060	mg/L	0.00029	0.0060	mg/L	0.00029	4.90%

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Sequence No.: 30 Autosampler Location: 25

Sample ID: G582-408-9F
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 7/29/2009 07:07:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-408-9F

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G582-408-9F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	377.1	0.0258	mg/L	0.00179	0.0258	mg/L	0.00179	6.95%
Tl 191	-37.4	0.0017	mg/L	0.00139	0.0017	mg/L	0.00139	81.60%
Se 196	-273.1	0.0290	mg/L	0.00385	0.0290	mg/L	0.00385	13.27%
Sb 207	-305.8	-0.0196	mg/L	0.00265	-0.0196	mg/L	0.00265	13.53%
Zn 214	1305549.1	2.62	mg/L	0.021	2.62	mg/L	0.021	0.82%
Cd 214	3254.0	0.0021	mg/L	0.00028	0.0021	mg/L	0.00028	13.25%
Pb 220	40518.7	1.00	mg/L	0.011	1.00	mg/L	0.011	1.09%
Co 229	8279.4	0.0367	mg/L	0.00020	0.0367	mg/L	0.00020	0.53%
Ni 232	13453.0	0.0591	mg/L	0.00036	0.0591	mg/L	0.00036	0.61%
Ba 234	1954361.1	2.59	mg/L	0.035	2.59	mg/L	0.035	1.34%
Mn 258	5478379.0	1.53	mg/L	0.006	1.53	mg/L	0.006	0.38%
Fe 260	7301744.0	88.7	mg/L	0.13	88.7	mg/L	0.13	0.15%
Cr 268	150445.1	0.275	mg/L	0.0017	0.275	mg/L	0.0017	0.63%
Mg 279	272547.6	34.5	mg/L	0.23	34.5	mg/L	0.23	0.65%
V 292	73301.2	0.198	mg/L	0.0019	0.198	mg/L	0.0019	0.97%
Al 308	1034248.6	66.3	mg/L	0.30	66.3	mg/L	0.30	0.46%
Be 313	-281.4	0.0007	mg/L	0.00486	0.0007	mg/L	0.00486	719.24%
Ca 318	18450212.2	237	mg/L	3.3	237	mg/L	3.3	1.37%
Cu 325	85925.2	0.0788	mg/L	0.00024	0.0788	mg/L	0.00024	0.30%
Ag 328	-378.6	0.0032	mg/L	0.00029	0.0032	mg/L	0.00029	9.18%

Sequence No.: 31
Sample ID: G582-408-11F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 7/29/2009 07:13:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-408-11F

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G582-408-11F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	662.8	0.0415	mg/L	0.00170	0.0415	mg/L	0.00170	4.10%
Tl 191	-210.0	-0.0058	mg/L	0.00060	-0.0058	mg/L	0.00060	10.39%
Se 196	-358.0	0.0254	mg/L	0.00113	0.0254	mg/L	0.00113	4.44%
Sb 207	-420.1	-0.0227	mg/L	0.00282	-0.0227	mg/L	0.00282	12.43%
Zn 214	80524.7	0.150	mg/L	0.0009	0.150	mg/L	0.0009	0.60%
Cd 214	2431.1	0.0008	mg/L	0.00040	0.0008	mg/L	0.00040	53.11%
Pb 220	1693.6	0.0459	mg/L	0.00076	0.0459	mg/L	0.00076	1.64%
Co 229	8812.1	0.0389	mg/L	0.00010	0.0389	mg/L	0.00010	0.26%
Ni 232	16468.6	0.0723	mg/L	0.00086	0.0723	mg/L	0.00086	1.19%
Ba 234	306601.5	0.418	mg/L	0.0025	0.418	mg/L	0.0025	0.60%
Mn 258	7471738.5	2.08	mg/L	0.002	2.08	mg/L	0.002	0.09%
Fe 260	7717917.2	93.8	mg/L	1.04	93.8	mg/L	1.04	1.11%
Cr 268	69461.1	0.129	mg/L	0.0019	0.129	mg/L	0.0019	1.44%
Mg 279	573181.9	72.6	mg/L	0.58	72.6	mg/L	0.58	0.79%
V 292	64499.9	0.175	mg/L	0.0005	0.175	mg/L	0.0005	0.27%
Al 308	1526877.5	97.9	mg/L	0.01	97.9	mg/L	0.01	0.01%
Be 313	375.3	0.0055	mg/L	0.01166	0.0055	mg/L	0.01166	212.58%
Ca 318	Saturated4							
Cu 325	94590.3	0.0864	mg/L	0.00071	0.0864	mg/L	0.00071	0.82%
Ag 328	-449.0	0.0031	mg/L	0.00055	0.0031	mg/L	0.00055	17.80%

Sequence No.: 32
Sample ID: G582-408-13F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 7/29/2009 07:19:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-408-13F

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G582-408-13F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	556.9	0.0364	mg/L	0.00177	0.0364	mg/L	0.00177	4.86%
Tl 191	-162.8	-0.0045	mg/L	0.00194	-0.0045	mg/L	0.00194	42.98%
Se 196	-210.7	0.0264	mg/L	0.00105	0.0264	mg/L	0.00105	3.98%
Sb 207	-278.7	-0.0184	mg/L	0.00077	-0.0184	mg/L	0.00077	4.21%
Zn 214	1406568.7	2.82	mg/L	0.015	2.82	mg/L	0.015	0.53%
Cd 214	2699.5	0.0021	mg/L	0.00022	0.0021	mg/L	0.00022	10.28%
Pb 220	41700.5	1.03	mg/L	0.003	1.03	mg/L	0.003	0.32%
Co 229	8331.4	0.0369	mg/L	0.00004	0.0369	mg/L	0.00004	0.11%
Ni 232	9895.3	0.0435	mg/L	0.00004	0.0435	mg/L	0.00004	0.08%
Ba 234	3015684.8	3.98	mg/L	0.002	3.98	mg/L	0.002	0.05%
Mn 258	5594090.0	1.56	mg/L	0.015	1.56	mg/L	0.015	0.93%
Fe 260	6121646.3	74.4	mg/L	0.65	74.4	mg/L	0.65	0.88%
Cr 268	148169.9	0.271	mg/L	0.0011	0.271	mg/L	0.0011	0.41%
Mg 279	219545.6	27.8	mg/L	0.10	27.8	mg/L	0.10	0.37%
V 292	58197.7	0.158	mg/L	0.0004	0.158	mg/L	0.0004	0.28%
Al 308	1375328.0	88.2	mg/L	0.06	88.2	mg/L	0.06	0.06%
Be 313	750.6	0.0082	mg/L	0.00389	0.0082	mg/L	0.00389	47.21%
Ca 318	10870910.2	140	mg/L	1.9	140	mg/L	1.9	1.37%
Cu 325	51353.9	0.0488	mg/L	0.00030	0.0488	mg/L	0.00030	0.61%
Ag 328	-551.8	0.0029	mg/L	0.00007	0.0029	mg/L	0.00007	2.53%

Sequence No.: 33
Sample ID: G582-408-14H
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 7/29/2009 07:26:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-408-14H

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G582-408-14H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	706.5	0.0444	mg/L	0.00319	0.0444	mg/L	0.00319	7.17%
Tl 191	-190.6	-0.0051	mg/L	0.00080	-0.0051	mg/L	0.00080	15.70%
Se 196	-359.4	0.0389	mg/L	0.00073	0.0389	mg/L	0.00073	1.87%
Sb 207	-781.1	-0.0384	mg/L	0.00500	-0.0384	mg/L	0.00500	13.02%
Zn 214	46857.5	0.0784	mg/L	0.00021	0.0784	mg/L	0.00021	0.27%
Cd 214	2608.0	-0.0004	mg/L	0.00034	-0.0004	mg/L	0.00034	81.43%
Pb 220	5290.7	0.134	mg/L	0.0009	0.134	mg/L	0.0009	0.67%
Co 229	10109.7	0.0443	mg/L	0.00029	0.0443	mg/L	0.00029	0.66%
Ni 232	15879.1	0.0697	mg/L	0.00093	0.0697	mg/L	0.00093	1.33%
Ba 234	367978.9	0.499	mg/L	0.0008	0.499	mg/L	0.0008	0.15%
Mn 258	6927085.3	1.93	mg/L	0.001	1.93	mg/L	0.001	0.04%
Fe 260	9961531.0	121	mg/L	0.5	121	mg/L	0.5	0.38%
Cr 268	97339.1	0.179	mg/L	0.0009	0.179	mg/L	0.0009	0.48%
Mg 279	333201.6	42.2	mg/L	0.32	42.2	mg/L	0.32	0.75%
V 292	75508.3	0.204	mg/L	0.0007	0.204	mg/L	0.0007	0.36%
Al 308	2210766.7	142	mg/L	0.5	142	mg/L	0.5	0.32%
Be 313	0.1	0.0027	mg/L	0.00194	0.0027	mg/L	0.00194	71.00%
Ca 318	21128672.1	272	mg/L	3.1	272	mg/L	3.1	1.14%
Cu 325	85731.6	0.0787	mg/L	0.00050	0.0787	mg/L	0.00050	0.63%

Ag 328	-821.4	0.0026 mg/L	0.00030	0.0026 mg/L	0.00030	11.51%

Sequence No.: 34
Sample ID: G582-413-10E
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 7/29/2009 07:32:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-413-10E

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G582-413-10E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	867.2	0.0543	mg/L	0.00022	0.0543	mg/L	0.00022	0.41%
Tl 191	-113.5	-0.0022	mg/L	0.00358	-0.0022	mg/L	0.00358	160.92%
Se 196	-187.7	0.0238	mg/L	0.00109	0.0238	mg/L	0.00109	4.56%
Sb 207	-284.1	-0.0181	mg/L	0.00121	-0.0181	mg/L	0.00121	6.71%
Zn 214	14248679.8	28.7	mg/L	0.07	28.7	mg/L	0.07	0.24%
Cd 214	34346.4	0.0454	mg/L	0.00006	0.0454	mg/L	0.00006	0.13%
Pb 220	496201.6	12.2	mg/L	0.04	12.2	mg/L	0.04	0.32%
Co 229	11050.4	0.0483	mg/L	0.00041	0.0483	mg/L	0.00041	0.86%
Ni 232	10377.8	0.0456	mg/L	0.00111	0.0456	mg/L	0.00111	2.43%
Ba 234	14462689.0	19.1	mg/L	0.34	19.1	mg/L	0.34	1.80%
Mn 258	5266304.4	1.47	mg/L	0.015	1.47	mg/L	0.015	1.03%
Fe 260	5420841.2	65.9	mg/L	0.17	65.9	mg/L	0.17	0.25%
Cr 268	121355.0	0.222	mg/L	0.0001	0.222	mg/L	0.0001	0.06%
Mg 279	174420.8	22.1	mg/L	0.02	22.1	mg/L	0.02	0.09%
V 292	57403.5	0.155	mg/L	0.0026	0.155	mg/L	0.0026	1.66%
Al 308	1079387.4	69.2	mg/L	0.29	69.2	mg/L	0.29	0.41%
Be 313	-187.6	0.0014	mg/L	0.00583	0.0014	mg/L	0.00583	427.85%
Ca 318	10752627.8	138	mg/L	0.1	138	mg/L	0.1	0.09%
Cu 325	72584.8	0.0672	mg/L	0.00069	0.0672	mg/L	0.00069	1.03%
Ag 328	-434.8	0.0031	mg/L	0.00015	0.0031	mg/L	0.00015	4.82%

Sequence No.: 35
Sample ID: ccv3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/29/2009 07:38:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv3

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: ccv3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	8871.6	0.528	mg/L	0.0060	0.528	mg/L	0.0060	1.14%
Tl 191	10129.0	0.509	mg/L	0.0024	0.509	mg/L	0.0024	0.47%
Se 196	7070.7	0.522	mg/L	0.0023	0.522	mg/L	0.0023	0.45%
Sb 207	12827.7	0.529	mg/L	0.0002	0.529	mg/L	0.0002	0.05%
Zn 214	254620.3	0.510	mg/L	0.0027	0.510	mg/L	0.0027	0.53%
Cd 214	381892.5	0.519	mg/L	0.0022	0.519	mg/L	0.0022	0.43%
Pb 220	20915.6	0.519	mg/L	0.0027	0.519	mg/L	0.0027	0.51%
Co 229	122077.3	0.515	mg/L	0.0064	0.515	mg/L	0.0064	1.24%
Ni 232	120090.1	0.527	mg/L	0.0027	0.527	mg/L	0.0027	0.51%
Ba 234	1919631.6	2.54	mg/L	0.029	2.54	mg/L	0.029	1.15%
Mn 258	1832803.2	0.512	mg/L	0.0013	0.512	mg/L	0.0013	0.26%
Fe 260	211412.2	2.59	mg/L	0.022	2.59	mg/L	0.022	0.85%
Cr 268	280180.1	0.510	mg/L	0.0025	0.510	mg/L	0.0025	0.49%
Mg 279	20536.6	2.61	mg/L	0.034	2.61	mg/L	0.034	1.29%
V 292	191971.8	0.517	mg/L	0.0012	0.517	mg/L	0.0012	0.23%
Al 308	39789.1	2.56	mg/L	0.023	2.56	mg/L	0.023	0.90%
Be 313	68402.6	0.504	mg/L	0.0126	0.504	mg/L	0.0126	2.51%

Ca 318	199142.9	2.53 mg/L	0.002	2.53 mg/L	0.002	0.10%
Cu 325	564092.2	0.495 mg/L	0.0060	0.495 mg/L	0.0060	1.22%
Ag 328	412157.2	0.498 mg/L	0.0005	0.498 mg/L	0.0005	0.09%

Sequence No.: 36
Sample ID: ccb3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/29/2009 07:44:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb3

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: ccb3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	43.6	0.0039	mg/L	0.00042	0.0039	mg/L	0.00042	10.76%
Tl 191	-25.9	-0.0009	mg/L	0.00165	-0.0009	mg/L	0.00165	176.20%
Se 196	-41.3	0.0016	mg/L	0.00440	0.0016	mg/L	0.00440	283.71%
Sb 207	20.6	-0.0028	mg/L	0.00123	-0.0028	mg/L	0.00123	43.92%
Zn 214	974.3	0.0015	mg/L	0.00000	0.0015	mg/L	0.00000	0.25%
Cd 214	-83.6	0.0022	mg/L	0.00000	0.0022	mg/L	0.00000	0.01%
Pb 220	-6.0	0.0041	mg/L	0.00022	0.0041	mg/L	0.00022	5.32%
Co 229	-203.2	0.0010	mg/L	0.00198	0.0010	mg/L	0.00198	192.72%
Ni 232	-31.5	-0.0001	mg/L	0.00074	-0.0001	mg/L	0.00074	562.13%
Ba 234	-73.0	0.0142	mg/L	0.00070	0.0142	mg/L	0.00070	4.91%
Mn 258	630.1	0.0017	mg/L	0.00000	0.0017	mg/L	0.00000	0.00%
Fe 260	-644.1	0.0146	mg/L	0.00369	0.0146	mg/L	0.00369	25.27%
Cr 268	242.0	0.0033	mg/L	0.00012	0.0033	mg/L	0.00012	3.78%
Mg 279	68.6	0.0153	mg/L	0.00791	0.0153	mg/L	0.00791	51.85%
V 292	1559.7	0.0053	mg/L	0.00596	0.0053	mg/L	0.00596	111.69%
Al 308	545.2	0.0472	mg/L	0.00923	0.0472	mg/L	0.00923	19.54%
Be 313	-656.7	-0.0021	mg/L	0.00097	-0.0021	mg/L	0.00097	46.89%
Ca 318	281.5	-0.0274	mg/L	0.00086	-0.0274	mg/L	0.00086	3.13%
Cu 325	2226.8	0.0060	mg/L	0.00006	0.0060	mg/L	0.00006	0.98%
Ag 328	-151.8	0.0034	mg/L	0.00008	0.0034	mg/L	0.00008	2.22%

Sequence No.: 37
Sample ID: G582-413-11E
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 7/29/2009 07:51:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-413-11E

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G582-413-11E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	748.3	0.0464	mg/L	0.00099	0.0464	mg/L	0.00099	2.14%
Tl 191	-31.3	0.0024	mg/L	0.00286	0.0024	mg/L	0.00286	119.57%
Se 196	-275.4	0.0321	mg/L	0.00142	0.0321	mg/L	0.00142	4.41%
Sb 207	-477.6	-0.0250	mg/L	0.00263	-0.0250	mg/L	0.00263	10.49%
Zn 214	184077.7	0.358	mg/L	0.0005	0.358	mg/L	0.0005	0.15%
Cd 214	2796.3	0.0012	mg/L	0.00025	0.0012	mg/L	0.00025	21.45%
Pb 220	6044.1	0.153	mg/L	0.0000	0.153	mg/L	0.0000	0.00%
Co 229	8381.8	0.0371	mg/L	0.00112	0.0371	mg/L	0.00112	3.02%
Ni 232	13447.3	0.0591	mg/L	0.00040	0.0591	mg/L	0.00040	0.67%
Ba 234	637976.1	0.854	mg/L	0.0055	0.854	mg/L	0.0055	0.64%
Mn 258	6130938.3	1.71	mg/L	0.019	1.71	mg/L	0.019	1.11%
Fe 260	7834648.0	95.2	mg/L	0.46	95.2	mg/L	0.46	0.48%
Cr 268	65780.3	0.122	mg/L	0.0014	0.122	mg/L	0.0014	1.12%
Mg 279	641401.3	81.3	mg/L	1.56	81.3	mg/L	1.56	1.92%
V 292	90816.0	0.245	mg/L	0.0003	0.245	mg/L	0.0003	0.11%

Al 308	1724869.9	111	mg/L	1.3	111	mg/L	1.3	1.18%
Be 313	750.7	0.0082	mg/L	0.00583	0.0082	mg/L	0.00583	70.80%
Ca 318	Saturated4							
Cu 325	112929.6	0.102	mg/L	0.0002	0.102	mg/L	0.0002	0.17%
Ag 328	-1094.8	0.0023	mg/L	0.00052	0.0023	mg/L	0.00052	22.70%

Sequence No.: 38 **Autosampler Location: 31**
Sample ID: G582-413-14E **Date Collected: 7/29/2009 07:57:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G582-413-14E

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G582-413-14E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	655.1	0.0417	mg/L	0.00321	0.0417	mg/L	0.00321	7.70%
Tl 191	-316.2	-0.0081	mg/L	0.00143	-0.0081	mg/L	0.00143	17.64%
Se 196	-322.5	0.0311	mg/L	0.00407	0.0311	mg/L	0.00407	13.09%
Sb 207	-339.7	-0.0203	mg/L	0.00414	-0.0203	mg/L	0.00414	20.38%
Zn 214	814811.1	1.63	mg/L	0.014	1.63	mg/L	0.014	0.84%
Cd 214	3703.7	0.0022	mg/L	0.00000	0.0022	mg/L	0.00000	0.01%
Pb 220	75685.2	1.87	mg/L	0.004	1.87	mg/L	0.004	0.19%
Co 229	11514.3	0.0502	mg/L	0.00010	0.0502	mg/L	0.00010	0.20%
Ni 232	13162.8	0.0578	mg/L	0.00041	0.0578	mg/L	0.00041	0.72%
Ba 234	1625054.2	2.15	mg/L	0.001	2.15	mg/L	0.001	0.06%
Mn 258	12515889.6	3.49	mg/L	0.008	3.49	mg/L	0.008	0.23%
Fe 260	8225625.7	99.9	mg/L	0.94	99.9	mg/L	0.94	0.94%
Cr 268	118106.4	0.217	mg/L	0.0002	0.217	mg/L	0.0002	0.11%
Mg 279	264955.2	33.6	mg/L	0.27	33.6	mg/L	0.27	0.80%
V 292	63958.3	0.173	mg/L	0.0023	0.173	mg/L	0.0023	1.34%
Al 308	1121816.4	71.9	mg/L	0.40	71.9	mg/L	0.40	0.56%
Be 313	-93.7	0.0020	mg/L	0.00097	0.0020	mg/L	0.00097	47.40%
Ca 318	12913878.5	166	mg/L	1.3	166	mg/L	1.3	0.80%
Cu 325	84121.3	0.0773	mg/L	0.00026	0.0773	mg/L	0.00026	0.34%
Ag 328	-248.6	0.0033	mg/L	0.00049	0.0033	mg/L	0.00049	14.65%

Sequence No.: 39 **Autosampler Location: 32**
Sample ID: G582-413-16E **Date Collected: 7/29/2009 08:03:38 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G582-413-16E

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G582-413-16E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	488.1	0.0318	mg/L	0.00021	0.0318	mg/L	0.00021	0.65%
Tl 191	-28.9	0.0025	mg/L	0.00513	0.0025	mg/L	0.00513	208.46%
Se 196	-305.7	0.0288	mg/L	0.00238	0.0288	mg/L	0.00238	8.26%
Sb 207	-501.4	-0.0270	mg/L	0.00030	-0.0270	mg/L	0.00030	1.11%
Zn 214	797152.9	1.59	mg/L	0.010	1.59	mg/L	0.010	0.65%
Cd 214	3521.6	0.0023	mg/L	0.00001	0.0023	mg/L	0.00001	0.30%
Pb 220	40472.1	1.00	mg/L	0.003	1.00	mg/L	0.003	0.33%
Co 229	9418.1	0.0414	mg/L	0.00098	0.0414	mg/L	0.00098	2.38%
Ni 232	20976.1	0.0921	mg/L	0.00174	0.0921	mg/L	0.00174	1.89%
Ba 234	1249127.3	1.66	mg/L	0.002	1.66	mg/L	0.002	0.09%
Mn 258	6033743.9	1.68	mg/L	0.019	1.68	mg/L	0.019	1.11%
Fe 260	7659876.1	93.1	mg/L	0.39	93.1	mg/L	0.39	0.42%
Cr 268	112202.3	0.206	mg/L	0.0002	0.206	mg/L	0.0002	0.12%

Mg 279	378154.0	47.9	mg/L	0.12	47.9	mg/L	0.12	0.25%
V 292	78819.7	0.213	mg/L	0.0010	0.213	mg/L	0.0010	0.48%
Al 308	1551987.7	99.5	mg/L	0.03	99.5	mg/L	0.03	0.03%
Be 313	-468.9	-0.0007	mg/L	0.00291	-0.0007	mg/L	0.00291	417.71%
Ca 318	20861610.0	268	mg/L	4.2	268	mg/L	4.2	1.58%
Cu 325	98829.9	0.0901	mg/L	0.00092	0.0901	mg/L	0.00092	1.02%
Ag 328	-628.7	0.0029	mg/L	0.00003	0.0029	mg/L	0.00003	0.98%

Sequence No.: 40
Sample ID: G582-413-17E
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 33
Date Collected: 7/29/2009 08:09:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-413-17E

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G582-413-17E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	624.4	0.0390	mg/L	0.00021	0.0390	mg/L	0.00021	0.53%
Tl 191	-259.1	-0.0094	mg/L	0.00079	-0.0094	mg/L	0.00079	8.45%
Se 196	-188.1	0.0292	mg/L	0.00007	0.0292	mg/L	0.00007	0.25%
Sb 207	-411.6	-0.0221	mg/L	0.00230	-0.0221	mg/L	0.00230	10.43%
Zn 214	61047.7	0.113	mg/L	0.0001	0.113	mg/L	0.0001	0.07%
Cd 214	1799.1	0.0008	mg/L	0.00007	0.0008	mg/L	0.00007	9.14%
Pb 220	1414.8	0.0391	mg/L	0.00172	0.0391	mg/L	0.00172	4.40%
Co 229	6276.4	0.0282	mg/L	0.00022	0.0282	mg/L	0.00022	0.77%
Ni 232	9667.1	0.0425	mg/L	0.00241	0.0425	mg/L	0.00241	5.66%
Ba 234	323061.9	0.440	mg/L	0.0147	0.440	mg/L	0.0147	3.34%
Mn 258	5494282.1	1.53	mg/L	0.019	1.53	mg/L	0.019	1.27%
Fe 260	6306434.9	76.6	mg/L	0.20	76.6	mg/L	0.20	0.26%
Cr 268	54986.9	0.102	mg/L	0.0005	0.102	mg/L	0.0005	0.49%
Mg 279	231693.9	29.4	mg/L	0.17	29.4	mg/L	0.17	0.59%
V 292	103113.3	0.278	mg/L	0.0018	0.278	mg/L	0.0018	0.65%
Al 308	1459259.0	93.6	mg/L	0.48	93.6	mg/L	0.48	0.51%
Be 313	93.9	0.0034	mg/L	0.00680	0.0034	mg/L	0.00680	198.64%
Ca 318	14005349.0	180	mg/L	2.4	180	mg/L	2.4	1.31%
Cu 325	57440.6	0.0541	mg/L	0.00057	0.0541	mg/L	0.00057	1.05%
Ag 328	-724.6	0.0027	mg/L	0.00013	0.0027	mg/L	0.00013	4.82%

Sequence No.: 41
Sample ID: G582-413-18E
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 34
Date Collected: 7/29/2009 08:16:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G582-413-18E

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G582-413-18E

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	840.1	0.0520	mg/L	0.00041	0.0520	mg/L	0.00041	0.78%
Tl 191	-313.4	-0.0104	mg/L	0.00270	-0.0104	mg/L	0.00270	26.07%
Se 196	-360.8	0.0228	mg/L	0.00508	0.0228	mg/L	0.00508	22.29%
Sb 207	-380.0	-0.0211	mg/L	0.00135	-0.0211	mg/L	0.00135	6.37%
Zn 214	1907740.0	3.83	mg/L	0.005	3.83	mg/L	0.005	0.13%
Cd 214	4731.8	0.0041	mg/L	0.00006	0.0041	mg/L	0.00006	1.39%
Pb 220	6167.5	0.156	mg/L	0.0001	0.156	mg/L	0.0001	0.09%
Co 229	9958.4	0.0437	mg/L	0.00061	0.0437	mg/L	0.00061	1.39%
Ni 232	16087.0	0.0707	mg/L	0.00054	0.0707	mg/L	0.00054	0.76%
Ba 234	3226082.4	4.26	mg/L	0.055	4.26	mg/L	0.055	1.29%
Mn 258	8443329.9	2.36	mg/L	0.005	2.36	mg/L	0.005	0.22%

Fe 260	7326290.8	89.0 mg/L	0.03	89.0 mg/L	0.03	0.03%
Cr 268	74639.0	0.138 mg/L	0.0012	0.138 mg/L	0.0012	0.90%
Mg 279	832125.7	105 mg/L	0.3	105 mg/L	0.3	0.26%
V 292	78558.0	0.212 mg/L	0.0009	0.212 mg/L	0.0009	0.43%
Al 308	1583728.4	102 mg/L	0.5	102 mg/L	0.5	0.47%
Be 313	-187.5	0.0014 mg/L	0.00389	0.0014 mg/L	0.00389	285.16%
Ca 318	Saturated4					
Cu 325	123655.9	0.112 mg/L	0.0013	0.112 mg/L	0.0013	1.14%
Ag 328	-991.2	0.0024 mg/L	0.00046	0.0024 mg/L	0.00046	19.05%

Sequence No.: 42
Sample ID: G1053-4-2L
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 7/29/2009 08:22:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1053-4-2L

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G1053-4-2L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1540.7	0.0936	mg/L	0.00369	0.0936	mg/L	0.00369	3.94%
Tl 191	-183.6	0.0053	mg/L	0.00116	0.0053	mg/L	0.00116	22.06%
Se 196	-946.4	0.0796	mg/L	0.00346	0.0796	mg/L	0.00346	4.35%
Sb 207	11.3	-0.0052	mg/L	0.00052	-0.0052	mg/L	0.00052	9.93%
Zn 214	440726.3	0.850	mg/L	0.0039	0.850	mg/L	0.0039	0.46%
Cd 214	7424.3	-0.0026	mg/L	0.00012	-0.0026	mg/L	0.00012	4.76%
Pb 220	11201.5	0.280	mg/L	0.0002	0.280	mg/L	0.0002	0.06%
Co 229	31698.5	0.135	mg/L	0.0022	0.135	mg/L	0.0022	1.63%
Ni 232	56036.6	0.246	mg/L	0.0009	0.246	mg/L	0.0009	0.37%
Ba 234	556129.8	0.746	mg/L	0.0019	0.746	mg/L	0.0019	0.26%
Mn 258	24010639.7	6.70	mg/L	0.002	6.70	mg/L	0.002	0.03%
Fe 260	23696032.5	288	mg/L	2.6	288	mg/L	2.6	0.92%
Cr 268	99948.0	0.184	mg/L	0.0011	0.184	mg/L	0.0011	0.61%
Mg 279	460221.6	58.3	mg/L	0.62	58.3	mg/L	0.62	1.07%
V 292	68528.4	0.185	mg/L	0.0006	0.185	mg/L	0.0006	0.30%
Al 308	2333901.4	150	mg/L	0.9	150	mg/L	0.9	0.58%
Be 313	281.6	0.0048	mg/L	0.00291	0.0048	mg/L	0.00291	60.75%
Ca 318	10921023.4	140	mg/L	0.7	140	mg/L	0.7	0.52%
Cu 325	402295.6	0.354	mg/L	0.0041	0.354	mg/L	0.0041	1.17%
Ag 328	-896.1	0.0025	mg/L	0.00009	0.0025	mg/L	0.00009	3.50%

Sequence No.: 43
Sample ID: pb14744
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 7/29/2009 08:28:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14744

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: pb14744

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	17.4	0.0024	mg/L	0.00282	0.0024	mg/L	0.00282	117.24%
Tl 191	-44.7	-0.0019	mg/L	0.00225	-0.0019	mg/L	0.00225	119.98%
Se 196	-75.9	-0.0010	mg/L	0.00081	-0.0010	mg/L	0.00081	84.33%
Sb 207	43.2	-0.0019	mg/L	0.00005	-0.0019	mg/L	0.00005	2.45%
Zn 214	4673.5	0.0089	mg/L	0.00005	0.0089	mg/L	0.00005	0.60%
Cd 214	61.6	0.0024	mg/L	0.00028	0.0024	mg/L	0.00028	11.49%
Pb 220	-110.4	0.0016	mg/L	0.00100	0.0016	mg/L	0.00100	64.47%
Co 229	-267.5	0.0008	mg/L	0.00053	0.0008	mg/L	0.00053	69.93%
Ni 232	240.3	0.0011	mg/L	0.00045	0.0011	mg/L	0.00045	42.55%

Ba 234	-636.0	0.0135 mg/L	0.00035	0.0135 mg/L	0.00035	2.59%
Mn 258	1428.5	0.0020 mg/L	0.00004	0.0020 mg/L	0.00004	2.23%
Fe 260	1717.7	0.0433 mg/L	0.00000	0.0433 mg/L	0.00000	0.00%
Cr 268	335.4	0.0034 mg/L	0.00012	0.0034 mg/L	0.00012	3.59%
Mg 279	54.7	0.0135 mg/L	0.00582	0.0135 mg/L	0.00582	43.11%
V 292	629.3	0.0028 mg/L	0.00074	0.0028 mg/L	0.00074	25.93%
Al 308	335.0	0.0337 mg/L	0.00913	0.0337 mg/L	0.00913	27.06%
Be 313	-1219.6	-0.0062 mg/L	0.00291	-0.0062 mg/L	0.00291	47.06%
Ca 318	1642.3	-0.0099 mg/L	0.00000	-0.0099 mg/L	0.00000	0.00%
Cu 325	1763.1	0.0056 mg/L	0.00032	0.0056 mg/L	0.00032	5.72%
Ag 328	-552.4	0.0029 mg/L	0.00032	0.0029 mg/L	0.00032	10.77%

Sequence No.: 44
Sample ID: lcs14744
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 7/29/2009 08:34:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs14744

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: lcs14744

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6848.2	0.408	mg/L	0.0028	0.408	mg/L	0.0028	0.68%
Tl 191	7449.7	0.374	mg/L	0.0007	0.374	mg/L	0.0007	0.18%
Se 196	5314.2	0.394	mg/L	0.0008	0.394	mg/L	0.0008	0.21%
Sb 207	9615.9	0.395	mg/L	0.0011	0.395	mg/L	0.0011	0.29%
Zn 214	204081.6	0.409	mg/L	0.0024	0.409	mg/L	0.0024	0.59%
Cd 214	293739.7	0.400	mg/L	0.0045	0.400	mg/L	0.0045	1.14%
Pb 220	15804.5	0.393	mg/L	0.0029	0.393	mg/L	0.0029	0.74%
Co 229	95350.0	0.402	mg/L	0.0005	0.402	mg/L	0.0005	0.11%
Ni 232	94417.8	0.415	mg/L	0.0026	0.415	mg/L	0.0026	0.62%
Ba 234	1491429.0	1.98	mg/L	0.020	1.98	mg/L	0.020	1.02%
Mn 258	1447744.2	0.405	mg/L	0.0027	0.405	mg/L	0.0027	0.67%
Fe 260	170403.1	2.09	mg/L	0.018	2.09	mg/L	0.018	0.88%
Cr 268	222817.7	0.406	mg/L	0.0001	0.406	mg/L	0.0001	0.03%
Mg 279	16380.7	2.08	mg/L	0.027	2.08	mg/L	0.027	1.29%
V 292	153216.2	0.413	mg/L	0.0037	0.413	mg/L	0.0037	0.89%
Al 308	31167.4	2.01	mg/L	0.004	2.01	mg/L	0.004	0.22%
Be 313	54421.9	0.401	mg/L	0.0000	0.401	mg/L	0.0000	0.00%
Ca 318	159841.2	2.03	mg/L	0.012	2.03	mg/L	0.012	0.59%
Cu 325	463878.9	0.408	mg/L	0.0006	0.408	mg/L	0.0006	0.15%
Ag 328	308727.8	0.374	mg/L	0.0000	0.374	mg/L	0.0000	0.01%

Sequence No.: 45
Sample ID: lcd14744
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 7/29/2009 08:40:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd14744

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: lcd14744

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6963.8	0.415	mg/L	0.0002	0.415	mg/L	0.0002	0.05%
Tl 191	7691.2	0.386	mg/L	0.0029	0.386	mg/L	0.0029	0.75%
Se 196	5396.6	0.400	mg/L	0.0039	0.400	mg/L	0.0039	0.98%
Sb 207	9723.8	0.400	mg/L	0.0007	0.400	mg/L	0.0007	0.17%
Zn 214	194962.1	0.390	mg/L	0.0005	0.390	mg/L	0.0005	0.12%
Cd 214	297625.6	0.405	mg/L	0.0012	0.405	mg/L	0.0012	0.29%
Pb 220	16017.9	0.398	mg/L	0.0028	0.398	mg/L	0.0028	0.71%

Co 229	98015.5	0.413 mg/L	0.0002	0.413 mg/L	0.0002	0.06%
Ni 232	95157.7	0.418 mg/L	0.0032	0.418 mg/L	0.0032	0.76%
Ba 234	1518209.0	2.01 mg/L	0.023	2.01 mg/L	0.023	1.15%
Mn 258	1465087.7	0.410 mg/L	0.0030	0.410 mg/L	0.0030	0.73%
Fe 260	172120.8	2.11 mg/L	0.004	2.11 mg/L	0.004	0.17%
Cr 268	225334.9	0.411 mg/L	0.0046	0.411 mg/L	0.0046	1.12%
Mg 279	16691.9	2.12 mg/L	0.018	2.12 mg/L	0.018	0.84%
V 292	155113.2	0.418 mg/L	0.0040	0.418 mg/L	0.0040	0.97%
Al 308	31889.7	2.06 mg/L	0.009	2.06 mg/L	0.009	0.44%
Be 313	54797.3	0.404 mg/L	0.0058	0.404 mg/L	0.0058	1.44%
Ca 318	161962.2	2.05 mg/L	0.027	2.05 mg/L	0.027	1.31%
Cu 325	476900.8	0.419 mg/L	0.0094	0.419 mg/L	0.0094	2.24%
Ag 328	312420.4	0.379 mg/L	0.0031	0.379 mg/L	0.0031	0.81%

Sequence No.: 46
Sample ID: G296-633-8B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 7/29/2009 08:47:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G296-633-8B

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G296-633-8B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	49.3	0.0043	mg/L	0.00109	0.0043	mg/L	0.00109	25.43%
Tl 191	34.1	0.0028	mg/L	0.00382	0.0028	mg/L	0.00382	138.45%
Se 196	-38.7	0.0017	mg/L	0.00066	0.0017	mg/L	0.00066	37.76%
Sb 207	83.8	-0.0002	mg/L	0.00108	-0.0002	mg/L	0.00108	629.98%
Zn 214	1894.6	0.0033	mg/L	0.00005	0.0033	mg/L	0.00005	1.50%
Cd 214	271.1	0.0027	mg/L	0.00005	0.0027	mg/L	0.00005	1.80%
Pb 220	-117.2	0.0014	mg/L	0.00041	0.0014	mg/L	0.00041	29.72%
Co 229	119.2	0.0024	mg/L	0.00095	0.0024	mg/L	0.00095	39.80%
Ni 232	716.3	0.0032	mg/L	0.00045	0.0032	mg/L	0.00045	14.29%
Ba 234	32110.9	0.0566	mg/L	0.00017	0.0566	mg/L	0.00017	0.31%
Mn 258	1172563.0	0.328	mg/L	0.0025	0.328	mg/L	0.0025	0.77%
Fe 260	1073.5	0.0355	mg/L	0.00369	0.0355	mg/L	0.00369	10.40%
Cr 268	674.2	0.0041	mg/L	0.00050	0.0041	mg/L	0.00050	12.21%
Mg 279	116935.6	14.8	mg/L	0.22	14.8	mg/L	0.22	1.50%
V 292	-213.3	0.0006	mg/L	0.00011	0.0006	mg/L	0.00011	19.05%
Al 308	370.7	0.0360	mg/L	0.00359	0.0360	mg/L	0.00359	9.97%
Be 313	-1219.6	-0.0062	mg/L	0.00097	-0.0062	mg/L	0.00097	15.69%
Ca 318	5403047.7	69.5	mg/L	0.80	69.5	mg/L	0.80	1.15%
Cu 325	2779.7	0.0065	mg/L	0.00033	0.0065	mg/L	0.00033	5.09%
Ag 328	-675.0	0.0028	mg/L	0.00029	0.0028	mg/L	0.00029	10.24%

Sequence No.: 47
Sample ID: ccv4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/29/2009 08:53:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv4

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: ccv4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	8974.2	0.534	mg/L	0.0006	0.534	mg/L	0.0006	0.12%
Tl 191	10254.0	0.515	mg/L	0.0002	0.515	mg/L	0.0002	0.03%
Se 196	7205.5	0.532	mg/L	0.0020	0.532	mg/L	0.0020	0.38%
Sb 207	12991.9	0.536	mg/L	0.0003	0.536	mg/L	0.0003	0.06%
Zn 214	258016.2	0.517	mg/L	0.0033	0.517	mg/L	0.0033	0.63%

Cd 214	390444.1	0.531 mg/L	0.0060	0.531 mg/L	0.0060	1.13%
Pb 220	21155.2	0.525 mg/L	0.0024	0.525 mg/L	0.0024	0.46%
Co 229	122550.4	0.517 mg/L	0.0020	0.517 mg/L	0.0020	0.39%
Ni 232	120952.5	0.531 mg/L	0.0036	0.531 mg/L	0.0036	0.68%
Ba 234	1919801.8	2.54 mg/L	0.018	2.54 mg/L	0.018	0.72%
Mn 258	1850114.2	0.517 mg/L	0.0001	0.517 mg/L	0.0001	0.03%
Fe 260	214922.2	2.63 mg/L	0.004	2.63 mg/L	0.004	0.14%
Cr 268	285067.6	0.519 mg/L	0.0016	0.519 mg/L	0.0016	0.31%
Mg 279	20946.7	2.66 mg/L	0.026	2.66 mg/L	0.026	0.99%
V 292	193221.3	0.521 mg/L	0.0019	0.521 mg/L	0.0019	0.37%
Al 308	40273.1	2.59 mg/L	0.003	2.59 mg/L	0.003	0.12%
Be 313	69903.8	0.515 mg/L	0.0223	0.515 mg/L	0.0223	4.34%
Ca 318	203463.0	2.59 mg/L	0.003	2.59 mg/L	0.003	0.13%
Cu 325	564410.7	0.495 mg/L	0.0045	0.495 mg/L	0.0045	0.90%
Ag 328	416647.6	0.504 mg/L	0.0034	0.504 mg/L	0.0034	0.67%

Sequence No.: 48 **Autosampler Location: 1**
Sample ID: ccb4 **Date Collected: 7/29/2009 08:59:22 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ccb4

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: ccb4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	61.8	0.0050	mg/L	0.00037	0.0050	mg/L	0.00037	7.47%
Tl 191	-21.9	-0.0007	mg/L	0.00301	-0.0007	mg/L	0.00301	409.11%
Se 196	-84.0	-0.0016	mg/L	0.00177	-0.0016	mg/L	0.00177	112.92%
Sb 207	74.6	-0.0005	mg/L	0.00022	-0.0005	mg/L	0.00022	41.13%
Zn 214	245.5	0.0000	mg/L	0.00017	0.0000	mg/L	0.00017	>999.9%
Cd 214	-180.4	0.0021	mg/L	0.00000	0.0021	mg/L	0.00000	0.03%
Pb 220	58.6	0.0057	mg/L	0.00095	0.0057	mg/L	0.00095	16.57%
Co 229	62.7	0.0021	mg/L	0.00057	0.0021	mg/L	0.00057	26.44%
Ni 232	101.0	0.0004	mg/L	0.00072	0.0004	mg/L	0.00072	159.17%
Ba 234	-481.3	0.0137	mg/L	0.00002	0.0137	mg/L	0.00002	0.16%
Mn 258	630.1	0.0017	mg/L	0.00000	0.0017	mg/L	0.00000	0.00%
Fe 260	-574.1	0.0154	mg/L	0.01227	0.0154	mg/L	0.01227	79.43%
Cr 268	141.7	0.0031	mg/L	0.00036	0.0031	mg/L	0.00036	11.72%
Mg 279	43.8	0.0121	mg/L	0.00170	0.0121	mg/L	0.00170	14.04%
V 292	571.8	0.0027	mg/L	0.00110	0.0027	mg/L	0.00110	41.14%
Al 308	589.7	0.0501	mg/L	0.00359	0.0501	mg/L	0.00359	7.17%
Be 313	-281.5	0.0007	mg/L	0.00097	0.0007	mg/L	0.00097	143.99%
Ca 318	141.0	-0.0292	mg/L	0.00683	-0.0292	mg/L	0.00683	23.40%
Cu 325	2558.1	0.0063	mg/L	0.00042	0.0063	mg/L	0.00042	6.58%
Ag 328	-77.2	0.0035	mg/L	0.00046	0.0035	mg/L	0.00046	13.03%

Sequence No.: 49 **Autosampler Location: 40**
Sample ID: G296-633-8C ms **Date Collected: 7/29/2009 09:05:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G296-633-8C ms

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G296-633-8C ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7013.7	0.418	mg/L	0.0019	0.418	mg/L	0.0019	0.45%
Tl 191	7351.8	0.370	mg/L	0.0078	0.370	mg/L	0.0078	2.09%
Se 196	5420.1	0.402	mg/L	0.0059	0.402	mg/L	0.0059	1.47%

Sb 207	9825.1	0.404 mg/L	0.0018	0.404 mg/L	0.0018	0.44%
Zn 214	191472.3	0.383 mg/L	0.0002	0.383 mg/L	0.0002	0.07%
Cd 214	286782.0	0.391 mg/L	0.0005	0.391 mg/L	0.0005	0.13%
Pb 220	15504.4	0.386 mg/L	0.0006	0.386 mg/L	0.0006	0.16%
Co 229	90926.0	0.384 mg/L	0.0092	0.384 mg/L	0.0092	2.40%
Ni 232	89068.3	0.391 mg/L	0.0043	0.391 mg/L	0.0043	1.09%
Ba 234	1505906.8	2.00 mg/L	0.016	2.00 mg/L	0.016	0.82%
Mn 258	2586740.4	0.723 mg/L	0.0009	0.723 mg/L	0.0009	0.12%
Fe 260	165464.9	2.03 mg/L	0.007	2.03 mg/L	0.007	0.36%
Cr 268	217491.0	0.396 mg/L	0.0006	0.396 mg/L	0.0006	0.16%
Mg 279	131638.6	16.7 mg/L	0.15	16.7 mg/L	0.15	0.90%
V 292	153282.7	0.413 mg/L	0.0035	0.413 mg/L	0.0035	0.85%
Al 308	32051.4	2.07 mg/L	0.006	2.07 mg/L	0.006	0.27%
Be 313	54891.0	0.405 mg/L	0.0029	0.405 mg/L	0.0029	0.72%
Ca 318	5531397.9	71.1 mg/L	0.19	71.1 mg/L	0.19	0.26%
Cu 325	467343.9	0.411 mg/L	0.0058	0.411 mg/L	0.0058	1.42%
Ag 328	304970.0	0.370 mg/L	0.0027	0.370 mg/L	0.0027	0.73%

Sequence No.: 50
Sample ID: G296-633-8D msd
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 41
Date Collected: 7/29/2009 09:11:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G296-633-8D msd

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G296-633-8D msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6992.5	0.417	mg/L	0.0040	0.417	mg/L	0.0040	0.96%
Tl 191	7417.1	0.373	mg/L	0.0044	0.373	mg/L	0.0044	1.18%
Se 196	5357.8	0.397	mg/L	0.0017	0.397	mg/L	0.0017	0.42%
Sb 207	9655.5	0.397	mg/L	0.0013	0.397	mg/L	0.0013	0.32%
Zn 214	189314.2	0.379	mg/L	0.0011	0.379	mg/L	0.0011	0.28%
Cd 214	284965.4	0.388	mg/L	0.0002	0.388	mg/L	0.0002	0.05%
Pb 220	15554.8	0.387	mg/L	0.0015	0.387	mg/L	0.0015	0.38%
Co 229	90498.1	0.382	mg/L	0.0013	0.382	mg/L	0.0013	0.34%
Ni 232	88820.4	0.390	mg/L	0.0004	0.390	mg/L	0.0004	0.10%
Ba 234	1501892.9	1.99	mg/L	0.004	1.99	mg/L	0.004	0.22%
Mn 258	2561564.3	0.716	mg/L	0.0028	0.716	mg/L	0.0028	0.40%
Fe 260	165894.3	2.04	mg/L	0.015	2.04	mg/L	0.015	0.72%
Cr 268	217347.5	0.396	mg/L	0.0057	0.396	mg/L	0.0057	1.44%
Mg 279	132916.7	16.8	mg/L	0.25	16.8	mg/L	0.25	1.50%
V 292	152683.7	0.412	mg/L	0.0017	0.412	mg/L	0.0017	0.40%
Al 308	31507.3	2.03	mg/L	0.008	2.03	mg/L	0.008	0.39%
Be 313	53671.3	0.396	mg/L	0.0000	0.396	mg/L	0.0000	0.00%
Ca 318	5534482.7	71.2	mg/L	0.14	71.2	mg/L	0.14	0.20%
Cu 325	464149.0	0.408	mg/L	0.0027	0.408	mg/L	0.0027	0.67%
Ag 328	305296.4	0.370	mg/L	0.0002	0.370	mg/L	0.0002	0.05%

Sequence No.: 51
Sample ID: G296-633-9B
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 42
Date Collected: 7/29/2009 09:18:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G296-633-9B

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G296-633-9B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	34.1	0.0034	mg/L	0.00011	0.0034	mg/L	0.00011	3.23%

Tl 191	90.0	0.0059 mg/L	0.00097	0.0059 mg/L	0.00097	16.29%
Se 196	-34.6	0.0021 mg/L	0.00345	0.0021 mg/L	0.00345	167.97%
Sb 207	34.6	-0.0022 mg/L	0.00182	-0.0022 mg/L	0.00182	81.59%
Zn 214	2215.9	0.0040 mg/L	0.00053	0.0040 mg/L	0.00053	13.29%
Cd 214	206.8	0.0026 mg/L	0.00019	0.0026 mg/L	0.00019	7.08%
Pb 220	56.1	0.0057 mg/L	0.00006	0.0057 mg/L	0.00006	1.09%
Co 229	-60.4	0.0016 mg/L	0.00032	0.0016 mg/L	0.00032	19.50%
Ni 232	869.6	0.0038 mg/L	0.00195	0.0038 mg/L	0.00195	51.11%
Ba 234	35374.1	0.0609 mg/L	0.00000	0.0609 mg/L	0.00000	0.00%
Mn 258	1813159.2	0.507 mg/L	0.0005	0.507 mg/L	0.0005	0.09%
Fe 260	1787.7	0.0441 mg/L	0.00617	0.0441 mg/L	0.00617	13.99%
Cr 268	240.3	0.0033 mg/L	0.00038	0.0033 mg/L	0.00038	11.49%
Mg 279	80347.3	10.2 mg/L	0.14	10.2 mg/L	0.14	1.37%
V 292	2237.4	0.0072 mg/L	0.00044	0.0072 mg/L	0.00044	6.18%
Al 308	347.7	0.0346 mg/L	0.01836	0.0346 mg/L	0.01836	53.12%
Be 313	-562.9	-0.0014 mg/L	0.00000	-0.0014 mg/L	0.00000	0.06%
Ca 318	3871565.2	49.8 mg/L	0.16	49.8 mg/L	0.16	0.32%
Cu 325	2593.7	0.0064 mg/L	0.00008	0.0064 mg/L	0.00008	1.33%
Ag 328	-475.4	0.0030 mg/L	0.00039	0.0030 mg/L	0.00039	12.90%

Sequence No.: 52
Sample ID: G296-633-10B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 7/29/2009 09:24:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G296-633-10B

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G296-633-10B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	33.5	0.0034	mg/L	0.00097	0.0034	mg/L	0.00097	28.78%
Tl 191	-14.6	0.0019	mg/L	0.00079	0.0019	mg/L	0.00079	42.58%
Se 196	-51.1	0.0008	mg/L	0.00040	0.0008	mg/L	0.00040	47.52%
Sb 207	84.8	-0.0001	mg/L	0.00047	-0.0001	mg/L	0.00047	347.04%
Zn 214	1371.5	0.0023	mg/L	0.00027	0.0023	mg/L	0.00027	11.89%
Cd 214	225.3	0.0026	mg/L	0.00009	0.0026	mg/L	0.00009	3.23%
Pb 220	67.6	0.0059	mg/L	0.00144	0.0059	mg/L	0.00144	24.31%
Co 229	470.7	0.0039	mg/L	0.00106	0.0039	mg/L	0.00106	27.40%
Ni 232	852.7	0.0038	mg/L	0.00081	0.0038	mg/L	0.00081	21.47%
Ba 234	59412.0	0.0925	mg/L	0.00157	0.0925	mg/L	0.00157	1.70%
Mn 258	3776837.4	1.05	mg/L	0.003	1.05	mg/L	0.003	0.27%
Fe 260	144.7	0.0242	mg/L	0.00986	0.0242	mg/L	0.00986	40.79%
Cr 268	962.9	0.0046	mg/L	0.00099	0.0046	mg/L	0.00099	21.53%
Mg 279	186551.8	23.6	mg/L	0.08	23.6	mg/L	0.08	0.34%
V 292	523.4	0.0026	mg/L	0.00018	0.0026	mg/L	0.00018	7.21%
Al 308	633.2	0.0529	mg/L	0.00843	0.0529	mg/L	0.00843	15.94%
Be 313	-750.5	-0.0028	mg/L	0.00777	-0.0028	mg/L	0.00777	281.70%
Ca 318	7755003.5	99.7	mg/L	0.09	99.7	mg/L	0.09	0.09%
Cu 325	2226.8	0.0060	mg/L	0.00006	0.0060	mg/L	0.00006	0.98%
Ag 328	25.6	0.0036	mg/L	0.00025	0.0036	mg/L	0.00025	6.95%

Sequence No.: 53
Sample ID: G296-633-11B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 7/29/2009 09:30:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G296-633-11B

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G296-633-11B

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	52.2	0.0045	mg/L	0.00123	0.0045	mg/L	0.00123	27.57%
Tl 191	-109.4	-0.0030	mg/L	0.00213	-0.0030	mg/L	0.00213	70.79%
Se 196	0.5	0.0046	mg/L	0.00326	0.0046	mg/L	0.00326	70.62%
Sb 207	92.8	0.0002	mg/L	0.00139	0.0002	mg/L	0.00139	669.04%
Zn 214	2421.6	0.0044	mg/L	0.00102	0.0044	mg/L	0.00102	23.33%
Cd 214	148.7	0.0025	mg/L	0.00011	0.0025	mg/L	0.00011	4.37%
Pb 220	79.6	0.0062	mg/L	0.00045	0.0062	mg/L	0.00045	7.24%
Co 229	1261.7	0.0072	mg/L	0.00017	0.0072	mg/L	0.00017	2.40%
Ni 232	991.9	0.0044	mg/L	0.00102	0.0044	mg/L	0.00102	23.30%
Ba 234	106012.8	0.154	mg/L	0.0004	0.154	mg/L	0.0004	0.24%
Mn 258	3597122.5	1.00	mg/L	0.001	1.00	mg/L	0.001	0.09%
Fe 260	714.2	0.0311	mg/L	0.00489	0.0311	mg/L	0.00489	15.73%
Cr 268	577.4	0.0039	mg/L	0.00025	0.0039	mg/L	0.00025	6.38%
Mg 279	121892.1	15.4	mg/L	0.14	15.4	mg/L	0.14	0.94%
V 292	1084.7	0.0041	mg/L	0.00210	0.0041	mg/L	0.00210	51.67%
Al 308	488.0	0.0435	mg/L	0.01122	0.0435	mg/L	0.01122	25.77%
Be 313	-750.5	-0.0028	mg/L	0.00194	-0.0028	mg/L	0.00194	70.42%
Ca 318	6837546.1	87.9	mg/L	0.79	87.9	mg/L	0.79	0.90%
Cu 325	2642.1	0.0064	mg/L	0.00093	0.0064	mg/L	0.00093	14.48%
Ag 328	-346.3	0.0032	mg/L	0.00028	0.0032	mg/L	0.00028	8.67%

Sequence No.: 54
Sample ID: fblk072809
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 45
Date Collected: 7/29/2009 09:36:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: fblk072809

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: fblk072809

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	24.0	0.0028	mg/L	0.00046	0.0028	mg/L	0.00046	16.61%
Tl 191	98.8	0.0053	mg/L	0.00265	0.0053	mg/L	0.00265	49.93%
Se 196	-64.7	-0.0002	mg/L	0.00027	-0.0002	mg/L	0.00027	163.39%
Sb 207	46.4	-0.0017	mg/L	0.00106	-0.0017	mg/L	0.00106	60.74%
Zn 214	1144.0	0.0018	mg/L	0.00058	0.0018	mg/L	0.00058	31.84%
Cd 214	13.2	0.0024	mg/L	0.00000	0.0024	mg/L	0.00000	0.02%
Pb 220	104.9	0.0068	mg/L	0.00003	0.0068	mg/L	0.00003	0.43%
Co 229	-35.9	0.0017	mg/L	0.00049	0.0017	mg/L	0.00049	28.31%
Ni 232	489.6	0.0022	mg/L	0.00193	0.0022	mg/L	0.00193	89.46%
Ba 234	-774.9	0.0133	mg/L	0.00017	0.0133	mg/L	0.00017	1.31%
Mn 258	2976.4	0.0024	mg/L	0.00000	0.0024	mg/L	0.00000	0.00%
Fe 260	-1932.4	-0.0011	mg/L	0.01107	-0.0011	mg/L	0.01107	>999.9%
Cr 268	530.7	0.0038	mg/L	0.00037	0.0038	mg/L	0.00037	9.66%
Mg 279	55.8	0.0136	mg/L	0.00045	0.0136	mg/L	0.00045	3.26%
V 292	1588.4	0.0054	mg/L	0.00129	0.0054	mg/L	0.00129	23.78%
Al 308	210.2	0.0257	mg/L	0.00519	0.0257	mg/L	0.00519	20.16%
Be 313	-938.2	-0.0041	mg/L	0.00194	-0.0041	mg/L	0.00194	47.01%
Ca 318	1548.5	-0.0111	mg/L	0.00171	-0.0111	mg/L	0.00171	15.41%
Cu 325	1009.0	0.0050	mg/L	0.00001	0.0050	mg/L	0.00001	0.19%
Ag 328	-878.8	0.0026	mg/L	0.00002	0.0026	mg/L	0.00002	0.77%

Sequence No.: 55
Sample ID: G609-46-1J
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 46
Date Collected: 7/29/2009 09:43:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G609-46-1J

Analyte	Back Pressure	Flow
All	266.0 kPa	0.70 L/min

Mean Data: G609-46-1J

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9.3	0.0019	mg/L	0.00255	0.0019	mg/L	0.00255	131.68%
Tl 191	45.3	0.0028	mg/L	0.00086	0.0028	mg/L	0.00086	31.11%
Se 196	-57.7	0.0017	mg/L	0.00052	0.0017	mg/L	0.00052	29.91%
Sb 207	122.4	0.0014	mg/L	0.00130	0.0014	mg/L	0.00130	90.33%
Zn 214	1176719.7	2.37	mg/L	0.027	2.37	mg/L	0.027	1.14%
Cd 214	981.4	0.0035	mg/L	0.00019	0.0035	mg/L	0.00019	5.25%
Pb 220	1366.7	0.0379	mg/L	0.00172	0.0379	mg/L	0.00172	4.54%
Co 229	868.9	0.0055	mg/L	0.00074	0.0055	mg/L	0.00074	13.46%
Ni 232	797.1	0.0035	mg/L	0.00060	0.0035	mg/L	0.00060	17.15%
Ba 234	19912.9	0.0405	mg/L	0.00026	0.0405	mg/L	0.00026	0.64%
Mn 258	234464.8	0.0669	mg/L	0.00045	0.0669	mg/L	0.00045	0.67%
Fe 260	227230.5	2.78	mg/L	0.006	2.78	mg/L	0.006	0.22%
Cr 268	1206.7	0.0050	mg/L	0.00062	0.0050	mg/L	0.00062	12.33%
Mg 279	21449.6	2.72	mg/L	0.014	2.72	mg/L	0.014	0.51%
V 292	1055.9	0.0040	mg/L	0.00037	0.0040	mg/L	0.00037	9.24%
Al 308	2719.7	0.187	mg/L	0.0227	0.187	mg/L	0.0227	12.19%
Be 313	-750.6	-0.0028	mg/L	0.00194	-0.0028	mg/L	0.00194	70.44%
Ca 318	857024.2	11.0	mg/L	0.22	11.0	mg/L	0.22	2.00%
Cu 325	34680.9	0.0343	mg/L	0.00051	0.0343	mg/L	0.00051	1.49%
Ag 328	436.9	0.0041	mg/L	0.00007	0.0041	mg/L	0.00007	1.80%

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Sequence No.: 56
Sample ID: G609-46-2J
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 7/29/2009 09:49:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G609-46-2J

Analyte	Back Pressure	Flow
All	266.0 kPa	0.70 L/min

Mean Data: G609-46-2J

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	24.2	0.0028	mg/L	0.00174	0.0028	mg/L	0.00174	61.46%
Tl 191	-34.1	-0.0013	mg/L	0.00037	-0.0013	mg/L	0.00037	29.42%
Se 196	-67.5	0.0014	mg/L	0.00420	0.0014	mg/L	0.00420	297.80%
Sb 207	46.1	-0.0018	mg/L	0.00047	-0.0018	mg/L	0.00047	26.39%
Zn 214	141272.9	0.284	mg/L	0.0016	0.284	mg/L	0.0016	0.56%
Cd 214	164.6	0.0024	mg/L	0.00019	0.0024	mg/L	0.00019	8.19%
Pb 220	205.8	0.0093	mg/L	0.00287	0.0093	mg/L	0.00287	30.79%
Co 229	133.0	0.0024	mg/L	0.00020	0.0024	mg/L	0.00020	8.00%
Ni 232	784.2	0.0035	mg/L	0.00057	0.0035	mg/L	0.00057	16.60%
Ba 234	8277.9	0.0252	mg/L	0.00009	0.0252	mg/L	0.00009	0.36%
Mn 258	130528.0	0.0379	mg/L	0.00018	0.0379	mg/L	0.00018	0.47%
Fe 260	290928.6	3.56	mg/L	0.048	3.56	mg/L	0.048	1.35%
Cr 268	1787.6	0.0061	mg/L	0.00037	0.0061	mg/L	0.00037	6.12%
Mg 279	18394.9	2.34	mg/L	0.014	2.34	mg/L	0.014	0.58%
V 292	514.3	0.0025	mg/L	0.00110	0.0025	mg/L	0.00110	43.65%
Al 308	1932.5	0.136	mg/L	0.0040	0.136	mg/L	0.0040	2.97%
Be 313	-563.0	-0.0014	mg/L	0.00000	-0.0014	mg/L	0.00000	0.00%
Ca 318	567592.5	7.27	mg/L	0.031	7.27	mg/L	0.031	0.43%
Cu 325	27358.4	0.0279	mg/L	0.00047	0.0279	mg/L	0.00047	1.67%
Ag 328	-167.4	0.0034	mg/L	0.00007	0.0034	mg/L	0.00007	2.02%

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Sequence No.: 57
Sample ID: G609-46-3J
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 7/29/2009 09:55:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G609-46-3J

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G609-46-3J

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	21.6	0.0027	mg/L	0.00047	0.0027	mg/L	0.00047	17.59%
Tl 191	-9.4	0.0000	mg/L	0.00157	0.0000	mg/L	0.00157	>999.9%
Se 196	-52.6	0.0027	mg/L	0.00067	0.0027	mg/L	0.00067	24.72%
Sb 207	65.5	-0.0010	mg/L	0.00188	-0.0010	mg/L	0.00188	197.88%
Zn 214	143672.7	0.288	mg/L	0.0009	0.288	mg/L	0.0009	0.30%
Cd 214	184.0	0.0024	mg/L	0.00033	0.0024	mg/L	0.00033	13.67%
Pb 220	258.1	0.0106	mg/L	0.00022	0.0106	mg/L	0.00022	2.07%
Co 229	-28.3	0.0018	mg/L	0.00054	0.0018	mg/L	0.00054	30.36%
Ni 232	435.3	0.0019	mg/L	0.00104	0.0019	mg/L	0.00104	54.48%
Ba 234	8314.6	0.0253	mg/L	0.00006	0.0253	mg/L	0.00006	0.24%
Mn 258	132113.0	0.0384	mg/L	0.00015	0.0384	mg/L	0.00015	0.39%
Fe 260	325925.9	3.98	mg/L	0.030	3.98	mg/L	0.030	0.74%
Cr 268	1400.4	0.0054	mg/L	0.00012	0.0054	mg/L	0.00012	2.31%
Mg 279	18834.0	2.39	mg/L	0.016	2.39	mg/L	0.016	0.68%
V 292	68.1	0.0013	mg/L	0.00081	0.0013	mg/L	0.00081	60.97%
Al 308	1452.3	0.105	mg/L	0.0044	0.105	mg/L	0.0044	4.17%
Be 313	-844.3	-0.0034	mg/L	0.00097	-0.0034	mg/L	0.00097	28.19%
Ca 318	567776.3	7.27	mg/L	0.061	7.27	mg/L	0.061	0.84%
Cu 325	27282.0	0.0278	mg/L	0.00082	0.0278	mg/L	0.00082	2.94%
Ag 328	-103.9	0.0035	mg/L	0.00012	0.0035	mg/L	0.00012	3.30%

Sequence No.: 58
Sample ID: G609-46-4H
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 49
Date Collected: 7/29/2009 10:01:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G609-46-4H

Analyte	Back Pressure	Flow
All	266.0 kPa	0.70 L/min

Mean Data: G609-46-4H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	18.3	0.0025	mg/L	0.00186	0.0025	mg/L	0.00186	75.66%
Tl 191	101.1	0.0054	mg/L	0.00434	0.0054	mg/L	0.00434	80.10%
Se 196	-37.9	0.0018	mg/L	0.00008	0.0018	mg/L	0.00008	4.55%
Sb 207	40.7	-0.0020	mg/L	0.00106	-0.0020	mg/L	0.00106	53.60%
Zn 214	1501.3	0.0025	mg/L	0.00043	0.0025	mg/L	0.00043	16.98%
Cd 214	0.0	0.0023	mg/L	0.00052	0.0023	mg/L	0.00052	22.16%
Pb 220	66.6	0.0059	mg/L	0.00151	0.0059	mg/L	0.00151	25.48%
Co 229	-242.2	0.0009	mg/L	0.00018	0.0009	mg/L	0.00018	20.97%
Ni 232	167.8	0.0007	mg/L	0.00030	0.0007	mg/L	0.00030	40.46%
Ba 234	17860.8	0.0378	mg/L	0.00011	0.0378	mg/L	0.00011	0.30%
Mn 258	2932.1	0.0024	mg/L	0.00002	0.0024	mg/L	0.00002	0.74%
Fe 260	2506.4	0.0529	mg/L	0.00120	0.0529	mg/L	0.00120	2.28%
Cr 268	287.0	0.0034	mg/L	0.00025	0.0034	mg/L	0.00025	7.38%
Mg 279	177.0	0.0290	mg/L	0.02037	0.0290	mg/L	0.02037	70.26%
V 292	717.1	0.0031	mg/L	0.00055	0.0031	mg/L	0.00055	17.96%
Al 308	299.3	0.0314	mg/L	0.01397	0.0314	mg/L	0.01397	44.41%
Be 313	281.5	0.0048	mg/L	0.01069	0.0048	mg/L	0.01069	222.80%
Ca 318	14005.0	0.149	mg/L	0.0030	0.149	mg/L	0.0030	2.01%
Cu 325	1403.8	0.0053	mg/L	0.00019	0.0053	mg/L	0.00019	3.53%
Ag 328	-457.3	0.0031	mg/L	0.00043	0.0031	mg/L	0.00043	13.91%

Sequence No.: 59
Sample ID: ccv5
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 7/29/2009 10:08:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv5

Analyte	Back Pressure	Flow
All	266.0 kPa	0.70 L/min

Mean Data: ccv5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	8812.7	0.525	mg/L	0.0038	0.525	mg/L	0.0038	0.73%
Tl 191	10127.6	0.509	mg/L	0.0101	0.509	mg/L	0.0101	1.99%
Se 196	7036.9	0.520	mg/L	0.0033	0.520	mg/L	0.0033	0.63%
Sb 207	12808.7	0.528	mg/L	0.0012	0.528	mg/L	0.0012	0.24%
Zn 214	252104.9	0.505	mg/L	0.0029	0.505	mg/L	0.0029	0.57%
Cd 214	377893.1	0.514	mg/L	0.0022	0.514	mg/L	0.0022	0.44%
Pb 220	20422.5	0.507	mg/L	0.0076	0.507	mg/L	0.0076	1.50%
Co 229	119369.0	0.503	mg/L	0.0124	0.503	mg/L	0.0124	2.47%
Ni 232	117552.5	0.516	mg/L	0.0018	0.516	mg/L	0.0018	0.35%
Ba 234	1894608.4	2.51	mg/L	0.032	2.51	mg/L	0.032	1.27%
Mn 258	1834684.6	0.513	mg/L	0.0003	0.513	mg/L	0.0003	0.06%
Fe 260	208051.5	2.55	mg/L	0.018	2.55	mg/L	0.018	0.72%
Cr 268	276741.3	0.504	mg/L	0.0031	0.504	mg/L	0.0031	0.61%
Mg 279	20545.7	2.61	mg/L	0.014	2.61	mg/L	0.014	0.53%
V 292	191952.1	0.517	mg/L	0.0075	0.517	mg/L	0.0075	1.46%
Al 308	39788.0	2.56	mg/L	0.014	2.56	mg/L	0.014	0.53%
Be 313	68965.7	0.508	mg/L	0.0049	0.508	mg/L	0.0049	0.96%
Ca 318	195179.1	2.48	mg/L	0.053	2.48	mg/L	0.053	2.12%
Cu 325	563192.9	0.494	mg/L	0.0074	0.494	mg/L	0.0074	1.49%
Ag 328	412053.6	0.498	mg/L	0.0014	0.498	mg/L	0.0014	0.27%

Sequence No.: 60
Sample ID: ccb5
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 7/29/2009 10:14:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb5

Analyte	Back Pressure	Flow
All	266.0 kPa	0.70 L/min

Mean Data: ccb5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	57.1	0.0047	mg/L	0.00274	0.0047	mg/L	0.00274	57.85%
Tl 191	-0.8	0.0003	mg/L	0.00211	0.0003	mg/L	0.00211	652.04%
Se 196	-1.7	0.0044	mg/L	0.00247	0.0044	mg/L	0.00247	55.49%
Sb 207	92.5	0.0002	mg/L	0.00235	0.0002	mg/L	0.00235	>999.9%
Zn 214	487.2	0.0005	mg/L	0.00031	0.0005	mg/L	0.00031	62.34%
Cd 214	148.7	0.0025	mg/L	0.00010	0.0025	mg/L	0.00010	3.85%
Pb 220	-117.9	0.0014	mg/L	0.00027	0.0014	mg/L	0.00027	20.02%
Co 229	-235.4	0.0009	mg/L	0.00147	0.0009	mg/L	0.00147	164.94%
Ni 232	42.7	0.0002	mg/L	0.00156	0.0002	mg/L	0.00156	803.55%
Ba 234	-377.0	0.0138	mg/L	0.00022	0.0138	mg/L	0.00022	1.57%
Mn 258	718.6	0.0018	mg/L	0.00030	0.0018	mg/L	0.00030	16.90%
Fe 260	429.4	0.0276	mg/L	0.00000	0.0276	mg/L	0.00000	0.00%
Cr 268	335.4	0.0034	mg/L	0.00012	0.0034	mg/L	0.00012	3.59%
Mg 279	41.4	0.0118	mg/L	0.00126	0.0118	mg/L	0.00126	10.65%
V 292	842.6	0.0034	mg/L	0.00029	0.0034	mg/L	0.00029	8.60%
Al 308	435.7	0.0402	mg/L	0.00000	0.0402	mg/L	0.00000	0.00%
Be 313	-844.4	-0.0034	mg/L	0.00486	-0.0034	mg/L	0.00486	140.92%
Ca 318	915.4	-0.0192	mg/L	0.00127	-0.0192	mg/L	0.00127	6.59%
Cu 325	1943.9	0.0058	mg/L	0.00036	0.0058	mg/L	0.00036	6.16%
Ag 328	-321.6	0.0032	mg/L	0.00019	0.0032	mg/L	0.00019	5.89%

Sequence No.: 61
Sample ID: G609-46-5H
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 50
Date Collected: 7/29/2009 10:20:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G609-46-5H

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G609-46-5H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-5.5	0.0011	mg/L	0.00107	0.0011	mg/L	0.00107	101.17%
Tl 191	-46.4	-0.0020	mg/L	0.00360	-0.0020	mg/L	0.00360	183.72%
Se 196	-52.6	0.0007	mg/L	0.00535	0.0007	mg/L	0.00535	724.22%
Sb 207	80.8	-0.0003	mg/L	0.00041	-0.0003	mg/L	0.00041	139.68%
Zn 214	4410.0	0.0084	mg/L	0.00027	0.0084	mg/L	0.00027	3.17%
Cd 214	238.5	0.0027	mg/L	0.00033	0.0027	mg/L	0.00033	12.54%
Pb 220	10.6	0.0045	mg/L	0.00004	0.0045	mg/L	0.00004	0.78%
Co 229	-126.8	0.0014	mg/L	0.00142	0.0014	mg/L	0.00142	105.22%
Ni 232	603.7	0.0027	mg/L	0.00025	0.0027	mg/L	0.00025	9.27%
Ba 234	17042.5	0.0368	mg/L	0.00094	0.0368	mg/L	0.00094	2.55%
Mn 258	4028.6	0.0027	mg/L	0.00048	0.0027	mg/L	0.00048	17.75%
Fe 260	1503.0	0.0407	mg/L	0.00369	0.0407	mg/L	0.00369	9.07%
Cr 268	722.6	0.0041	mg/L	0.00087	0.0041	mg/L	0.00087	20.91%
Mg 279	192.4	0.0310	mg/L	0.02066	0.0310	mg/L	0.02066	66.76%
V 292	475.0	0.0024	mg/L	0.00037	0.0024	mg/L	0.00037	15.18%
Al 308	338.9	0.0340	mg/L	0.01826	0.0340	mg/L	0.01826	53.72%
Be 313	-93.9	0.0020	mg/L	0.00097	0.0020	mg/L	0.00097	47.47%
Ca 318	16158.4	0.177	mg/L	0.0012	0.177	mg/L	0.0012	0.68%
Cu 325	2310.8	0.0061	mg/L	0.00021	0.0061	mg/L	0.00021	3.48%
Ag 328	-378.4	0.0032	mg/L	0.00000	0.0032	mg/L	0.00000	0.00%

Sequence No.: 62
Sample ID: G609-46-6I
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 7/29/2009 10:26:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G609-46-6I

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G609-46-6I

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	16.3	0.0023	mg/L	0.00104	0.0023	mg/L	0.00104	44.43%
Tl 191	56.7	0.0032	mg/L	0.00092	0.0032	mg/L	0.00092	28.35%
Se 196	-33.8	0.0021	mg/L	0.00147	0.0021	mg/L	0.00147	69.32%
Sb 207	98.5	0.0005	mg/L	0.00099	0.0005	mg/L	0.00099	218.98%
Zn 214	218589.4	0.439	mg/L	0.0032	0.439	mg/L	0.0032	0.73%
Cd 214	7.0	0.0023	mg/L	0.00057	0.0023	mg/L	0.00057	24.25%
Pb 220	1124.1	0.0319	mg/L	0.00032	0.0319	mg/L	0.00032	0.99%
Co 229	9.9	0.0019	mg/L	0.00093	0.0019	mg/L	0.00093	48.11%
Ni 232	52994.3	0.233	mg/L	0.0029	0.233	mg/L	0.0029	1.24%
Ba 234	16922.5	0.0366	mg/L	0.00011	0.0366	mg/L	0.00011	0.31%
Mn 258	56665.4	0.0174	mg/L	0.00046	0.0174	mg/L	0.00046	2.64%
Fe 260	4578.9	0.0780	mg/L	0.00489	0.0780	mg/L	0.00489	6.27%
Cr 268	338.9	0.0035	mg/L	0.00037	0.0035	mg/L	0.00037	10.76%
Mg 279	19111.6	2.43	mg/L	0.007	2.43	mg/L	0.007	0.28%
V 292	1540.0	0.0053	mg/L	0.00037	0.0053	mg/L	0.00037	6.96%
Al 308	580.9	0.0495	mg/L	0.00439	0.0495	mg/L	0.00439	8.87%
Be 313	-844.4	-0.0034	mg/L	0.00097	-0.0034	mg/L	0.00097	28.17%
Ca 318	469844.8	6.01	mg/L	0.026	6.01	mg/L	0.026	0.44%
Cu 325	271898.1	0.241	mg/L	0.0012	0.241	mg/L	0.0012	0.51%
Ag 328	-716.4	0.0028	mg/L	0.00026	0.0028	mg/L	0.00026	9.51%

Sequence No.: 63
Sample ID: G677-14-1H
Analyst:
Initial Sample Wt:

Autosampler Location: 52
Date Collected: 7/29/2009 10:33:16 PM
Data Type: Original
Initial Sample Vol:

Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G677-14-1H

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G677-14-1H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	279.0	0.0180	mg/L	0.00056	0.0180	mg/L	0.00056	3.11%
Tl 191	-100.1	0.0018	mg/L	0.00233	0.0018	mg/L	0.00233	133.19%
Se 196	-80.3	0.0044	mg/L	0.00091	0.0044	mg/L	0.00091	20.61%
Sb 207	20.6	-0.0030	mg/L	0.00263	-0.0030	mg/L	0.00263	87.19%
Zn 214	18315.0	0.0350	mg/L	0.00031	0.0350	mg/L	0.00031	0.87%
Cd 214	238.5	0.0021	mg/L	0.00028	0.0021	mg/L	0.00028	13.60%
Pb 220	517.2	0.0170	mg/L	0.00163	0.0170	mg/L	0.00163	9.57%
Co 229	609.8	0.0044	mg/L	0.00048	0.0044	mg/L	0.00048	10.72%
Ni 232	1194.2	0.0053	mg/L	0.00174	0.0053	mg/L	0.00174	33.19%
Ba 234	65902.1	0.101	mg/L	0.0002	0.101	mg/L	0.0002	0.15%
Mn 258	10898569.8	3.04	mg/L	0.031	3.04	mg/L	0.031	1.01%
Fe 260	939984.7	11.4	mg/L	0.04	11.4	mg/L	0.04	0.37%
Cr 268	10063.7	0.0210	mg/L	0.00024	0.0210	mg/L	0.00024	1.16%
Mg 279	69722.9	8.84	mg/L	0.036	8.84	mg/L	0.036	0.40%
V 292	12044.7	0.0335	mg/L	0.00018	0.0335	mg/L	0.00018	0.55%
Al 308	276761.4	17.8	mg/L	0.13	17.8	mg/L	0.13	0.74%
Be 313	-1219.6	-0.0062	mg/L	0.01069	-0.0062	mg/L	0.01069	172.51%
Ca 318	5156046.2	66.3	mg/L	0.49	66.3	mg/L	0.49	0.75%
Cu 325	15801.6	0.0179	mg/L	0.00063	0.0179	mg/L	0.00063	3.53%
Ag 328	-498.7	0.0030	mg/L	0.00016	0.0030	mg/L	0.00016	5.18%

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Sequence No.: 64 **Autosampler Location: 53**
Sample ID: G677-14-2H **Date Collected: 7/29/2009 10:39:30 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G677-14-2H

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G677-14-2H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	90.5	0.0067	mg/L	0.00074	0.0067	mg/L	0.00074	11.07%
Tl 191	-27.7	0.0019	mg/L	0.00068	0.0019	mg/L	0.00068	35.72%
Se 196	-26.7	0.0030	mg/L	0.00288	0.0030	mg/L	0.00288	97.62%
Sb 207	29.1	-0.0025	mg/L	0.00161	-0.0025	mg/L	0.00161	65.11%
Zn 214	808.5	0.0011	mg/L	0.00081	0.0011	mg/L	0.00081	76.03%
Cd 214	264.1	0.0027	mg/L	0.00038	0.0027	mg/L	0.00038	14.41%
Pb 220	-61.1	0.0028	mg/L	0.00044	0.0028	mg/L	0.00044	15.88%
Co 229	-109.3	0.0014	mg/L	0.00022	0.0014	mg/L	0.00022	15.30%
Ni 232	150.7	0.0007	mg/L	0.00090	0.0007	mg/L	0.00090	135.03%
Ba 234	40169.9	0.0672	mg/L	0.00054	0.0672	mg/L	0.00054	0.81%
Mn 258	4969279.1	1.39	mg/L	0.004	1.39	mg/L	0.004	0.31%
Fe 260	55179.8	0.693	mg/L	0.0111	0.693	mg/L	0.0111	1.60%
Cr 268	964.7	0.0046	mg/L	0.00025	0.0046	mg/L	0.00025	5.40%
Mg 279	67209.5	8.52	mg/L	0.070	8.52	mg/L	0.070	0.82%
V 292	1084.7	0.0041	mg/L	0.00048	0.0041	mg/L	0.00048	11.75%
Al 308	3449.7	0.233	mg/L	0.0004	0.233	mg/L	0.0004	0.19%
Be 313	-1219.6	-0.0062	mg/L	0.00097	-0.0062	mg/L	0.00097	15.69%
Ca 318	4414432.6	56.8	mg/L	0.42	56.8	mg/L	0.42	0.73%
Cu 325	2219.2	0.0060	mg/L	0.00019	0.0060	mg/L	0.00019	3.11%
Ag 328	-443.9	0.0031	mg/L	0.00007	0.0031	mg/L	0.00007	2.24%

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Sequence No.: 65 **Autosampler Location: 54**
Sample ID: G677-14-3H **Date Collected: 7/29/2009 10:45:49 PM**

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G677-14-3H

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G677-14-3H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	65.1	0.0052	mg/L	0.00059	0.0052	mg/L	0.00059	11.23%
Tl 191	-2.2	0.0019	mg/L	0.00270	0.0019	mg/L	0.00270	141.55%
Se 196	-18.8	0.0037	mg/L	0.00003	0.0037	mg/L	0.00003	0.71%
Sb 207	30.3	-0.0024	mg/L	0.00009	-0.0024	mg/L	0.00009	3.81%
Zn 214	1277.6	0.0020	mg/L	0.00000	0.0020	mg/L	0.00000	0.11%
Cd 214	300.1	0.0027	mg/L	0.00038	0.0027	mg/L	0.00038	14.06%
Pb 220	25.6	0.0049	mg/L	0.00014	0.0049	mg/L	0.00014	2.90%
Co 229	-83.3	0.0015	mg/L	0.00049	0.0015	mg/L	0.00049	31.98%
Ni 232	387.1	0.0017	mg/L	0.00009	0.0017	mg/L	0.00009	5.26%
Ba 234	39617.4	0.0665	mg/L	0.00114	0.0665	mg/L	0.00114	1.71%
Mn 258	2815937.1	0.787	mg/L	0.0022	0.787	mg/L	0.0022	0.28%
Fe 260	83306.5	1.03	mg/L	0.015	1.03	mg/L	0.015	1.43%
Cr 268	918.0	0.0045	mg/L	0.00038	0.0045	mg/L	0.00038	8.36%
Mg 279	69136.7	8.77	mg/L	0.019	8.77	mg/L	0.019	0.21%
V 292	910.7	0.0036	mg/L	0.00018	0.0036	mg/L	0.00018	5.12%
Al 308	2561.8	0.177	mg/L	0.0084	0.177	mg/L	0.0084	4.77%
Be 313	-187.6	0.0014	mg/L	0.00583	0.0014	mg/L	0.00583	427.85%
Ca 318	4575423.4	58.8	mg/L	0.38	58.8	mg/L	0.38	0.65%
Cu 325	2130.0	0.0060	mg/L	0.00042	0.0060	mg/L	0.00042	6.99%
Ag 328	-757.0	0.0027	mg/L	0.00005	0.0027	mg/L	0.00005	1.93%

Sequence No.: 66
Sample ID: G1090-1-2B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 7/29/2009 10:52:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1090-1-2B

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G1090-1-2B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	58.1	0.0049	mg/L	0.00017	0.0049	mg/L	0.00017	3.52%
Tl 191	31.5	0.0021	mg/L	0.00084	0.0021	mg/L	0.00084	39.61%
Se 196	-35.2	0.0029	mg/L	0.00150	0.0029	mg/L	0.00150	51.74%
Sb 207	81.5	-0.0003	mg/L	0.00127	-0.0003	mg/L	0.00127	362.64%
Zn 214	53671.1	0.107	mg/L	0.0000	0.107	mg/L	0.0000	0.00%
Cd 214	-110.0	0.0021	mg/L	0.00015	0.0021	mg/L	0.00015	7.11%
Pb 220	190.7	0.0090	mg/L	0.00101	0.0090	mg/L	0.00101	11.29%
Co 229	-30.5	0.0018	mg/L	0.00018	0.0018	mg/L	0.00018	10.09%
Ni 232	513.7	0.0023	mg/L	0.00015	0.0023	mg/L	0.00015	6.62%
Ba 234	63627.6	0.0981	mg/L	0.00054	0.0981	mg/L	0.00054	0.55%
Mn 258	287222.6	0.0816	mg/L	0.00048	0.0816	mg/L	0.00048	0.58%
Fe 260	148432.9	1.83	mg/L	0.010	1.83	mg/L	0.010	0.54%
Cr 268	4740.5	0.0114	mg/L	0.00099	0.0114	mg/L	0.00099	8.68%
Mg 279	224122.8	28.4	mg/L	0.01	28.4	mg/L	0.01	0.02%
V 292	822.9	0.0034	mg/L	0.00037	0.0034	mg/L	0.00037	10.96%
Al 308	23087.0	1.49	mg/L	0.035	1.49	mg/L	0.035	2.38%
Be 313	0.1	0.0027	mg/L	0.00583	0.0027	mg/L	0.00583	213.01%
Ca 318	10118497.0	130	mg/L	2.3	130	mg/L	2.3	1.77%
Cu 325	4239.6	0.0078	mg/L	0.00003	0.0078	mg/L	0.00003	0.44%
Ag 328	-875.4	0.0026	mg/L	0.00005	0.0026	mg/L	0.00005	1.86%

Sequence No.: 67
Sample ID: G1090-1-4B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 7/29/2009 10:58:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1090-1-4B

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1090-1-4B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	52.9	0.0046	mg/L	0.00004	0.0046	mg/L	0.00004	0.80%
Tl 191	73.5	0.0042	mg/L	0.00235	0.0042	mg/L	0.00235	56.04%
Se 196	-60.2	0.0017	mg/L	0.00107	0.0017	mg/L	0.00107	62.95%
Sb 207	97.3	0.0003	mg/L	0.00104	0.0003	mg/L	0.00104	363.94%
Zn 214	26629.9	0.0528	mg/L	0.00049	0.0528	mg/L	0.00049	0.93%
Cd 214	180.4	0.0024	mg/L	0.00033	0.0024	mg/L	0.00033	13.63%
Pb 220	42.8	0.0053	mg/L	0.00232	0.0053	mg/L	0.00232	43.57%
Co 229	198.7	0.0027	mg/L	0.00032	0.0027	mg/L	0.00032	11.85%
Ni 232	700.3	0.0031	mg/L	0.00000	0.0031	mg/L	0.00000	0.00%
Ba 234	114573.9	0.165	mg/L	0.0002	0.165	mg/L	0.0002	0.12%
Mn 258	267953.4	0.0763	mg/L	0.00059	0.0763	mg/L	0.00059	0.78%
Fe 260	251277.8	3.07	mg/L	0.065	3.07	mg/L	0.065	2.12%
Cr 268	6047.6	0.0138	mg/L	0.00037	0.0138	mg/L	0.00037	2.70%
Mg 279	164807.0	20.9	mg/L	0.05	20.9	mg/L	0.05	0.22%
V 292	3234.3	0.0098	mg/L	0.00144	0.0098	mg/L	0.00144	14.61%
Al 308	52741.1	3.39	mg/L	0.196	3.39	mg/L	0.196	5.78%
Be 313	-750.6	-0.0028	mg/L	0.01360	-0.0028	mg/L	0.01360	492.85%
Ca 318	5818687.6	74.8	mg/L	0.34	74.8	mg/L	0.34	0.46%
Cu 325	3029.3	0.0067	mg/L	0.00014	0.0067	mg/L	0.00014	2.14%
Ag 328	-948.3	0.0025	mg/L	0.00034	0.0025	mg/L	0.00034	13.76%

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Sequence No.: 68
Sample ID: G1090-1-4C dup
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 7/29/2009 11:04:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1090-1-4C dup

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1090-1-4C dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	62.4	0.0051	mg/L	0.00144	0.0051	mg/L	0.00144	27.94%
Tl 191	-50.6	-0.0020	mg/L	0.00215	-0.0020	mg/L	0.00215	106.86%
Se 196	-59.8	0.0017	mg/L	0.00510	0.0017	mg/L	0.00510	294.40%
Sb 207	94.0	0.0001	mg/L	0.00191	0.0001	mg/L	0.00191	>999.9%
Zn 214	26272.6	0.0520	mg/L	0.00162	0.0520	mg/L	0.00162	3.10%
Cd 214	154.9	0.0024	mg/L	0.00010	0.0024	mg/L	0.00010	4.06%
Pb 220	37.8	0.0052	mg/L	0.00174	0.0052	mg/L	0.00174	33.46%
Co 229	322.5	0.0032	mg/L	0.00010	0.0032	mg/L	0.00010	2.95%
Ni 232	483.7	0.0021	mg/L	0.00135	0.0021	mg/L	0.00135	63.16%
Ba 234	113717.4	0.164	mg/L	0.0014	0.164	mg/L	0.0014	0.88%
Mn 258	266902.8	0.0760	mg/L	0.00018	0.0760	mg/L	0.00018	0.24%
Fe 260	251492.5	3.08	mg/L	0.049	3.08	mg/L	0.049	1.60%
Cr 268	6386.4	0.0144	mg/L	0.00025	0.0144	mg/L	0.00025	1.72%
Mg 279	166307.4	21.1	mg/L	0.12	21.1	mg/L	0.12	0.55%
V 292	3689.6	0.0111	mg/L	0.00007	0.0111	mg/L	0.00007	0.68%
Al 308	48441.5	3.12	mg/L	0.009	3.12	mg/L	0.009	0.28%
Be 313	-562.8	-0.0014	mg/L	0.00000	-0.0014	mg/L	0.00000	0.00%
Ca 318	5981977.5	76.9	mg/L	0.92	76.9	mg/L	0.92	1.19%
Cu 325	2629.3	0.0064	mg/L	0.00077	0.0064	mg/L	0.00077	12.10%
Ag 328	-1344.8	0.0020	mg/L	0.00024	0.0020	mg/L	0.00024	11.90%

Sequence No.: 69
Sample ID: pb14745
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 7/29/2009 11:10:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb14745

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: pb14745

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	12.6	0.0021	mg/L	0.00086	0.0021	mg/L	0.00086	40.42%
Tl 191	-92.9	-0.0043	mg/L	0.00387	-0.0043	mg/L	0.00387	90.20%
Se 196	-51.7	0.0008	mg/L	0.00183	0.0008	mg/L	0.00183	232.02%
Sb 207	53.6	-0.0014	mg/L	0.00043	-0.0014	mg/L	0.00043	29.95%
Zn 214	1032.1	0.0016	mg/L	0.00027	0.0016	mg/L	0.00027	16.72%
Cd 214	-48.4	0.0023	mg/L	0.00025	0.0023	mg/L	0.00025	11.15%
Pb 220	-150.6	0.0006	mg/L	0.00084	0.0006	mg/L	0.00084	149.35%
Co 229	-139.1	0.0013	mg/L	0.00055	0.0013	mg/L	0.00055	42.29%
Ni 232	-212.5	-0.0009	mg/L	0.00045	-0.0009	mg/L	0.00045	48.58%
Ba 234	-554.2	0.0136	mg/L	0.00050	0.0136	mg/L	0.00050	3.69%
Mn 258	1382.7	0.0019	mg/L	0.00030	0.0019	mg/L	0.00030	15.29%
Fe 260	-718.7	0.0137	mg/L	0.00738	0.0137	mg/L	0.00738	53.89%
Cr 268	335.4	0.0034	mg/L	0.00012	0.0034	mg/L	0.00012	3.59%
Mg 279	95.0	0.0186	mg/L	0.00371	0.0186	mg/L	0.00371	19.96%
V 292	910.7	0.0036	mg/L	0.00092	0.0036	mg/L	0.00092	25.59%
Al 308	145.2	0.0216	mg/L	0.00878	0.0216	mg/L	0.00878	40.69%
Be 313	-1125.7	-0.0055	mg/L	0.00777	-0.0055	mg/L	0.00777	141.14%
Ca 318	915.4	-0.0192	mg/L	0.00127	-0.0192	mg/L	0.00127	6.59%
Cu 325	2323.6	0.0061	mg/L	0.00030	0.0061	mg/L	0.00030	4.86%
Ag 328	-565.7	0.0029	mg/L	0.00038	0.0029	mg/L	0.00038	12.95%

Sequence No.: 70
Sample ID: lcs14745
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 7/29/2009 11:16:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs14745

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: lcs14745

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6867.6	0.409	mg/L	0.0024	0.409	mg/L	0.0024	0.58%
Tl 191	7382.8	0.371	mg/L	0.0018	0.371	mg/L	0.0018	0.48%
Se 196	5287.4	0.392	mg/L	0.0001	0.392	mg/L	0.0001	0.02%
Sb 207	9532.8	0.392	mg/L	0.0028	0.392	mg/L	0.0028	0.71%
Zn 214	191136.8	0.382	mg/L	0.0024	0.382	mg/L	0.0024	0.63%
Cd 214	293317.2	0.399	mg/L	0.0067	0.399	mg/L	0.0067	1.68%
Pb 220	15728.6	0.391	mg/L	0.0027	0.391	mg/L	0.0027	0.69%
Co 229	95340.1	0.402	mg/L	0.0047	0.402	mg/L	0.0047	1.16%
Ni 232	93053.6	0.409	mg/L	0.0019	0.409	mg/L	0.0019	0.47%
Ba 234	1500963.3	1.99	mg/L	0.012	1.99	mg/L	0.012	0.62%
Mn 258	1437165.3	0.402	mg/L	0.0009	0.402	mg/L	0.0009	0.22%
Fe 260	169404.2	2.08	mg/L	0.004	2.08	mg/L	0.004	0.18%
Cr 268	220348.8	0.402	mg/L	0.0017	0.402	mg/L	0.0017	0.43%
Mg 279	16628.1	2.11	mg/L	0.006	2.11	mg/L	0.006	0.27%
V 292	152314.5	0.411	mg/L	0.0017	0.411	mg/L	0.0017	0.40%
Al 308	31950.7	2.06	mg/L	0.005	2.06	mg/L	0.005	0.25%
Be 313	53295.9	0.393	mg/L	0.0058	0.393	mg/L	0.0058	1.48%
Ca 318	159813.1	2.02	mg/L	0.003	2.02	mg/L	0.003	0.14%

Cu 325	462627.9	0.406 mg/L	0.0064	0.406 mg/L	0.0064	1.58%
Ag 328	304166.4	0.369 mg/L	0.0036	0.369 mg/L	0.0036	0.98%

Sequence No.: 71
Sample ID: ccv6
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 7/29/2009 11:23:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv6

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: ccv6

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9093.1	0.541	mg/L	0.0029	0.541	mg/L	0.0029	0.54%
Tl 191	10355.3	0.520	mg/L	0.0025	0.520	mg/L	0.0025	0.49%
Se 196	7266.7	0.537	mg/L	0.0051	0.537	mg/L	0.0051	0.94%
Sb 207	12929.5	0.533	mg/L	0.0048	0.533	mg/L	0.0048	0.90%
Zn 214	254937.8	0.510	mg/L	0.0040	0.510	mg/L	0.0040	0.79%
Cd 214	389547.3	0.530	mg/L	0.0052	0.530	mg/L	0.0052	0.98%
Pb 220	20941.3	0.520	mg/L	0.0015	0.520	mg/L	0.0015	0.29%
Co 229	122961.5	0.518	mg/L	0.0014	0.518	mg/L	0.0014	0.27%
Ni 232	121067.5	0.532	mg/L	0.0037	0.532	mg/L	0.0037	0.69%
Ba 234	1927741.1	2.55	mg/L	0.018	2.55	mg/L	0.018	0.72%
Mn 258	1848231.2	0.517	mg/L	0.0015	0.517	mg/L	0.0015	0.29%
Fe 260	211556.9	2.59	mg/L	0.017	2.59	mg/L	0.017	0.67%
Cr 268	282258.1	0.514	mg/L	0.0016	0.514	mg/L	0.0016	0.31%
Mg 279	20596.3	2.62	mg/L	0.011	2.62	mg/L	0.011	0.42%
V 292	193694.8	0.522	mg/L	0.0028	0.522	mg/L	0.0028	0.53%
Al 308	39631.2	2.55	mg/L	0.026	2.55	mg/L	0.026	1.03%
Be 313	71686.6	0.528	mg/L	0.0097	0.528	mg/L	0.0097	1.84%
Ca 318	198583.8	2.52	mg/L	0.041	2.52	mg/L	0.041	1.62%
Cu 325	571373.9	0.501	mg/L	0.0055	0.501	mg/L	0.0055	1.11%
Ag 328	416040.5	0.503	mg/L	0.0059	0.503	mg/L	0.0059	1.18%

Sequence No.: 72
Sample ID: ccb6
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 7/29/2009 11:29:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Initialize Optics completed successfully

Nebulizer Parameters: ccb6

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: ccb6

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	35.9	0.0035	mg/L	0.00165	0.0035	mg/L	0.00165	47.17%
Tl 191	-27.0	-0.0010	mg/L	0.00287	-0.0010	mg/L	0.00287	290.38%
Se 196	-42.9	0.0014	mg/L	0.00070	0.0014	mg/L	0.00070	48.75%
Sb 207	-5.3	-0.0039	mg/L	0.00032	-0.0039	mg/L	0.00032	8.31%
Zn 214	-57.8	-0.0006	mg/L	0.00027	-0.0006	mg/L	0.00027	44.74%
Cd 214	-35.2	0.0023	mg/L	0.00009	0.0023	mg/L	0.00009	4.02%
Pb 220	-30.8	0.0035	mg/L	0.00099	0.0035	mg/L	0.00099	28.33%
Co 229	-113.1	0.0014	mg/L	0.00098	0.0014	mg/L	0.00098	69.96%
Ni 232	80.8	0.0004	mg/L	0.00024	0.0004	mg/L	0.00024	66.29%
Ba 234	53.8	0.0144	mg/L	0.00090	0.0144	mg/L	0.00090	6.23%
Mn 258	1006.4	0.0018	mg/L	0.00015	0.0018	mg/L	0.00015	8.08%
Fe 260	-644.1	0.0146	mg/L	0.01107	0.0146	mg/L	0.01107	75.81%
Cr 268	96.8	0.0030	mg/L	0.00000	0.0030	mg/L	0.00000	0.00%
Mg 279	58.7	0.0140	mg/L	0.00383	0.0140	mg/L	0.00383	27.34%
V 292	-57.5	0.0010	mg/L	0.00018	0.0010	mg/L	0.00018	18.54%

Al 308	189.8	0.0244 mg/L	0.00474	0.0244 mg/L	0.00474	19.40%
Be 313	-844.3	-0.0034 mg/L	0.00486	-0.0034 mg/L	0.00486	140.96%
Ca 318	249.1	-0.0278 mg/L	0.00897	-0.0278 mg/L	0.00897	32.27%
Cu 325	2331.2	0.0061 mg/L	0.00055	0.0061 mg/L	0.00055	8.89%
Ag 328	-208.0	0.0034 mg/L	0.00051	0.0034 mg/L	0.00051	15.23%

Sequence No.: 73 **Autosampler Location: 60**
Sample ID: lcd14745 **Date Collected: 7/29/2009 11:41:03 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: lcd14745

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: lcd14745

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	6908.1	0.412	mg/L	0.0017	0.412	mg/L	0.0017	0.40%
Tl 191	7393.3	0.371	mg/L	0.0029	0.371	mg/L	0.0029	0.77%
Se 196	5313.5	0.394	mg/L	0.0002	0.394	mg/L	0.0002	0.05%
Sb 207	9581.7	0.394	mg/L	0.0053	0.394	mg/L	0.0053	1.36%
Zn 214	191530.2	0.383	mg/L	0.0011	0.383	mg/L	0.0011	0.28%
Cd 214	293943.9	0.400	mg/L	0.0046	0.400	mg/L	0.0046	1.15%
Pb 220	16058.3	0.399	mg/L	0.0013	0.399	mg/L	0.0013	0.33%
Co 229	96108.8	0.405	mg/L	0.0044	0.405	mg/L	0.0044	1.08%
Ni 232	94425.9	0.415	mg/L	0.0008	0.415	mg/L	0.0008	0.18%
Ba 234	1531107.2	2.03	mg/L	0.022	2.03	mg/L	0.022	1.09%
Mn 258	1442852.4	0.404	mg/L	0.0016	0.404	mg/L	0.0016	0.41%
Fe 260	170692.4	2.10	mg/L	0.004	2.10	mg/L	0.004	0.18%
Cr 268	222525.5	0.406	mg/L	0.0028	0.406	mg/L	0.0028	0.70%
Mg 279	16572.8	2.11	mg/L	0.020	2.11	mg/L	0.020	0.94%
V 292	153293.3	0.413	mg/L	0.0023	0.413	mg/L	0.0023	0.55%
Al 308	32338.0	2.09	mg/L	0.021	2.09	mg/L	0.021	1.01%
Be 313	54046.7	0.398	mg/L	0.0136	0.398	mg/L	0.0136	3.41%
Ca 318	160606.1	2.04	mg/L	0.020	2.04	mg/L	0.020	0.98%
Cu 325	464335.0	0.408	mg/L	0.0014	0.408	mg/L	0.0014	0.34%
Ag 328	305139.1	0.370	mg/L	0.0016	0.370	mg/L	0.0016	0.42%

Sequence No.: 74 **Autosampler Location: 61**
Sample ID: G1088-2-1I **Date Collected: 7/29/2009 11:47:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G1088-2-1I

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G1088-2-1I

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	44.3	0.0040	mg/L	0.00034	0.0040	mg/L	0.00034	8.44%
Tl 191	49.0	0.0031	mg/L	0.00107	0.0031	mg/L	0.00107	34.61%
Se 196	-67.5	-0.0003	mg/L	0.00009	-0.0003	mg/L	0.00009	24.75%
Sb 207	9.8	-0.0033	mg/L	0.00322	-0.0033	mg/L	0.00322	98.53%
Zn 214	1631.1	0.0028	mg/L	0.00026	0.0028	mg/L	0.00026	9.37%
Cd 214	-151.4	0.0021	mg/L	0.00013	0.0021	mg/L	0.00013	6.08%
Pb 220	-14.4	0.0039	mg/L	0.00352	0.0039	mg/L	0.00352	89.81%
Co 229	135.3	0.0025	mg/L	0.00010	0.0025	mg/L	0.00010	4.07%
Ni 232	416.9	0.0018	mg/L	0.00105	0.0018	mg/L	0.00105	57.32%
Ba 234	25930.2	0.0485	mg/L	0.00081	0.0485	mg/L	0.00081	1.68%
Mn 258	477959.2	0.135	mg/L	0.0015	0.135	mg/L	0.0015	1.09%
Fe 260	1787.7	0.0441	mg/L	0.00617	0.0441	mg/L	0.00617	13.99%
Cr 268	482.3	0.0037	mg/L	0.00050	0.0037	mg/L	0.00050	13.47%

Mg 279	533222.8	67.6	mg/L	0.07	67.6	mg/L	0.07	0.10%
V 292	-609.6	-0.0005	mg/L	0.00081	-0.0005	mg/L	0.00081	164.88%
Al 308	726.1	0.0588	mg/L	0.00070	0.0588	mg/L	0.00070	1.19%
Be 313	-938.2	-0.0041	mg/L	0.00972	-0.0041	mg/L	0.00972	235.02%
Ca 318	19647490.1	253	mg/L	1.4	253	mg/L	1.4	0.54%
Cu 325	2565.7	0.0063	mg/L	0.00012	0.0063	mg/L	0.00012	1.88%
Ag 328	-286.7	0.0033	mg/L	0.00004	0.0033	mg/L	0.00004	1.17%

Sequence No.: 75
Sample ID: G1088-2-1J ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 7/29/2009 11:53:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1088-2-1J ms

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1088-2-1J ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6962.3	0.415	mg/L	0.0010	0.415	mg/L	0.0010	0.24%
Tl 191	7173.9	0.361	mg/L	0.0029	0.361	mg/L	0.0029	0.80%
Se 196	5262.5	0.390	mg/L	0.0027	0.390	mg/L	0.0027	0.68%
Sb 207	9659.3	0.397	mg/L	0.0007	0.397	mg/L	0.0007	0.17%
Zn 214	186741.0	0.374	mg/L	0.0001	0.374	mg/L	0.0001	0.01%
Cd 214	270946.3	0.369	mg/L	0.0050	0.369	mg/L	0.0050	1.37%
Pb 220	15049.5	0.375	mg/L	0.0032	0.375	mg/L	0.0032	0.84%
Co 229	86931.5	0.367	mg/L	0.0044	0.367	mg/L	0.0044	1.21%
Ni 232	85021.9	0.373	mg/L	0.0006	0.373	mg/L	0.0006	0.16%
Ba 234	1432366.1	1.90	mg/L	0.043	1.90	mg/L	0.043	2.27%
Mn 258	1848231.2	0.517	mg/L	0.0033	0.517	mg/L	0.0033	0.63%
Fe 260	167112.5	2.05	mg/L	0.009	2.05	mg/L	0.009	0.42%
Cr 268	211827.2	0.386	mg/L	0.0005	0.386	mg/L	0.0005	0.13%
Mg 279	546771.7	69.3	mg/L	0.53	69.3	mg/L	0.53	0.77%
V 292	148673.3	0.401	mg/L	0.0001	0.401	mg/L	0.0001	0.03%
Al 308	31805.5	2.05	mg/L	0.010	2.05	mg/L	0.010	0.47%
Be 313	51606.9	0.381	mg/L	0.0175	0.381	mg/L	0.0175	4.59%
Ca 318	19395837.4	249	mg/L	3.8	249	mg/L	3.8	1.52%
Cu 325	470296.8	0.413	mg/L	0.0043	0.413	mg/L	0.0043	1.04%
Ag 328	306151.6	0.371	mg/L	0.0015	0.371	mg/L	0.0015	0.40%

Sequence No.: 76
Sample ID: G1088-2-1K msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 7/29/2009 11:59:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1088-2-1K msd

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1088-2-1K msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6947.4	0.414	mg/L	0.0001	0.414	mg/L	0.0001	0.03%
Tl 191	7065.3	0.355	mg/L	0.0037	0.355	mg/L	0.0037	1.03%
Se 196	5306.9	0.393	mg/L	0.0040	0.393	mg/L	0.0040	1.02%
Sb 207	9624.9	0.396	mg/L	0.0001	0.396	mg/L	0.0001	0.02%
Zn 214	185994.1	0.372	mg/L	0.0028	0.372	mg/L	0.0028	0.76%
Cd 214	270197.3	0.368	mg/L	0.0041	0.368	mg/L	0.0041	1.10%
Pb 220	14888.2	0.371	mg/L	0.0001	0.371	mg/L	0.0001	0.02%
Co 229	87979.2	0.371	mg/L	0.0049	0.371	mg/L	0.0049	1.33%
Ni 232	84858.5	0.373	mg/L	0.0022	0.373	mg/L	0.0022	0.58%
Ba 234	1451099.3	1.92	mg/L	0.015	1.92	mg/L	0.015	0.76%
Mn 258	1885218.6	0.527	mg/L	0.0023	0.527	mg/L	0.0023	0.44%

Fe 260	166613.0	2.05 mg/L	0.022	2.05 mg/L	0.022	1.08%
Cr 268	213037.4	0.388 mg/L	0.0014	0.388 mg/L	0.0014	0.35%
Mg 279	555777.6	70.4 mg/L	0.42	70.4 mg/L	0.42	0.60%
V 292	148818.5	0.401 mg/L	0.0014	0.401 mg/L	0.0014	0.35%
Al 308	31603.1	2.04 mg/L	0.009	2.04 mg/L	0.009	0.47%
Be 313	53014.3	0.391 mg/L	0.0010	0.391 mg/L	0.0010	0.25%
Ca 318	19840562.9	255 mg/L	5.4	255 mg/L	5.4	2.13%
Cu 325	482294.6	0.424 mg/L	0.0067	0.424 mg/L	0.0067	1.57%
Ag 328	308155.0	0.374 mg/L	0.0019	0.374 mg/L	0.0019	0.50%

Sequence No.: 77
Sample ID: G1088-2-3I
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 7/30/2009 12:05:55 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1088-2-3I

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1088-2-3I

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	132.1	0.0092	mg/L	0.00030	0.0092	mg/L	0.00030	3.27%
Tl 191	112.8	0.0075	mg/L	0.00125	0.0075	mg/L	0.00125	16.58%
Se 196	-26.4	0.0029	mg/L	0.00208	0.0029	mg/L	0.00208	72.72%
Sb 207	46.9	-0.0017	mg/L	0.00088	-0.0017	mg/L	0.00088	51.28%
Zn 214	6568.1	0.0127	mg/L	0.00054	0.0127	mg/L	0.00054	4.23%
Cd 214	-29.0	0.0023	mg/L	0.00055	0.0023	mg/L	0.00055	24.16%
Pb 220	180.1	0.0087	mg/L	0.00256	0.0087	mg/L	0.00256	29.42%
Co 229	165.8	0.0026	mg/L	0.00094	0.0026	mg/L	0.00094	36.60%
Ni 232	338.4	0.0015	mg/L	0.00064	0.0015	mg/L	0.00064	42.66%
Ba 234	13228.4	0.0317	mg/L	0.00031	0.0317	mg/L	0.00031	0.97%
Mn 258	2588655.9	0.723	mg/L	0.0058	0.723	mg/L	0.0058	0.80%
Fe 260	36500.3	0.466	mg/L	0.0000	0.466	mg/L	0.0000	0.00%
Cr 268	964.7	0.0046	mg/L	0.00050	0.0046	mg/L	0.00050	10.81%
Mg 279	103203.9	13.1	mg/L	0.13	13.1	mg/L	0.13	1.03%
V 292	96.8	0.0014	mg/L	0.00018	0.0014	mg/L	0.00018	13.08%
Al 308	6491.7	0.428	mg/L	0.0120	0.428	mg/L	0.0120	2.81%
Be 313	-187.6	0.0014	mg/L	0.00000	0.0014	mg/L	0.00000	0.06%
Ca 318	5087161.3	65.4	mg/L	0.55	65.4	mg/L	0.55	0.84%
Cu 325	2904.5	0.0066	mg/L	0.00047	0.0066	mg/L	0.00047	7.04%
Ag 328	-489.6	0.0030	mg/L	0.00041	0.0030	mg/L	0.00041	13.58%

Sequence No.: 78
Sample ID: G1088-2-4I
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 65
Date Collected: 7/30/2009 12:12:10 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1088-2-4I

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1088-2-4I

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	60.3	0.0049	mg/L	0.00058	0.0049	mg/L	0.00058	11.67%
Tl 191	-34.6	-0.0009	mg/L	0.00197	-0.0009	mg/L	0.00197	214.87%
Se 196	-15.7	0.0034	mg/L	0.00210	0.0034	mg/L	0.00210	60.89%
Sb 207	81.1	-0.0003	mg/L	0.00029	-0.0003	mg/L	0.00029	105.29%
Zn 214	10996.2	0.0217	mg/L	0.00021	0.0217	mg/L	0.00021	0.99%
Cd 214	1636.2	0.0046	mg/L	0.00014	0.0046	mg/L	0.00014	3.13%
Pb 220	-54.5	0.0029	mg/L	0.00007	0.0029	mg/L	0.00007	2.44%
Co 229	146.0	0.0025	mg/L	0.00055	0.0025	mg/L	0.00055	22.18%
Ni 232	256.1	0.0011	mg/L	0.00005	0.0011	mg/L	0.00005	4.81%

Ba 234	26034.5	0.0486 mg/L	0.00035	0.0486 mg/L	0.00035	0.71%
Mn 258	772718.0	0.217 mg/L	0.0007	0.217 mg/L	0.0007	0.34%
Fe 260	3934.8	0.0702 mg/L	0.01355	0.0702 mg/L	0.01355	19.30%
Cr 268	335.4	0.0034 mg/L	0.00037	0.0034 mg/L	0.00037	10.78%
Mg 279	173264.2	22.0 mg/L	0.14	22.0 mg/L	0.14	0.65%
V 292	233.0	0.0018 mg/L	0.00055	0.0018 mg/L	0.00055	31.13%
Al 308	484.1	0.0433 mg/L	0.01317	0.0433 mg/L	0.01317	30.41%
Be 313	-656.8	-0.0021 mg/L	0.00486	-0.0021 mg/L	0.00486	234.31%
Ca 318	7442988.8	95.7 mg/L	0.23	95.7 mg/L	0.23	0.24%
Cu 325	2496.8	0.0063 mg/L	0.00075	0.0063 mg/L	0.00075	11.92%
Ag 328	-350.5	0.0032 mg/L	0.00113	0.0032 mg/L	0.00113	35.35%

Sequence No.: 79
Sample ID: G1088-2-5I
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 66
Date Collected: 7/30/2009 12:18:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1088-2-5I

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G1088-2-5I

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	10.4	0.0020	mg/L	0.00096	0.0020	mg/L	0.00096	48.14%
Tl 191	38.3	0.0023	mg/L	0.00247	0.0023	mg/L	0.00247	108.16%
Se 196	-59.4	0.0002	mg/L	0.00576	0.0002	mg/L	0.00576	>999.9%
Sb 207	30.0	-0.0024	mg/L	0.00150	-0.0024	mg/L	0.00150	62.04%
Zn 214	866.3	0.0013	mg/L	0.00043	0.0013	mg/L	0.00043	34.37%
Cd 214	352.1	0.0028	mg/L	0.00009	0.0028	mg/L	0.00009	3.29%
Pb 220	-85.7	0.0022	mg/L	0.00109	0.0022	mg/L	0.00109	50.33%
Co 229	-69.5	0.0016	mg/L	0.00167	0.0016	mg/L	0.00167	105.00%
Ni 232	566.5	0.0025	mg/L	0.00030	0.0025	mg/L	0.00030	12.06%
Ba 234	-437.9	0.0137	mg/L	0.00037	0.0137	mg/L	0.00037	2.68%
Mn 258	2588.2	0.0023	mg/L	0.00018	0.0023	mg/L	0.00018	7.84%
Fe 260	-144.7	0.0207	mg/L	0.00489	0.0207	mg/L	0.00489	23.68%
Cr 268	383.8	0.0035	mg/L	0.00050	0.0035	mg/L	0.00050	14.02%
Mg 279	26.5	0.0099	mg/L	0.00482	0.0099	mg/L	0.00482	48.54%
V 292	1491.6	0.0052	mg/L	0.00166	0.0052	mg/L	0.00166	32.12%
Al 308	141.4	0.0213	mg/L	0.01791	0.0213	mg/L	0.01791	83.97%
Be 313	-281.4	0.0007	mg/L	0.00292	0.0007	mg/L	0.00292	431.73%
Ca 318	2674.4	0.0034	mg/L	0.00171	0.0034	mg/L	0.00171	50.07%
Cu 325	4909.7	0.0084	mg/L	0.00021	0.0084	mg/L	0.00021	2.54%
Ag 328	-465.5	0.0031	mg/L	0.00003	0.0031	mg/L	0.00003	1.06%

Sequence No.: 80
Sample ID: G1088-2-6I
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 67
Date Collected: 7/30/2009 12:24:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1088-2-6I

Analyte	Back Pressure	Flow
All	267.0 kPa	0.70 L/min

Mean Data: G1088-2-6I

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	71.8	0.0056	mg/L	0.00212	0.0056	mg/L	0.00212	37.79%
Tl 191	16.0	0.0057	mg/L	0.00011	0.0057	mg/L	0.00011	2.00%
Se 196	-15.5	0.0035	mg/L	0.00146	0.0035	mg/L	0.00146	41.86%
Sb 207	36.3	-0.0022	mg/L	0.00094	-0.0022	mg/L	0.00094	43.22%
Zn 214	2908.7	0.0053	mg/L	0.00027	0.0053	mg/L	0.00027	4.99%
Cd 214	65.1	0.0024	mg/L	0.00032	0.0024	mg/L	0.00032	13.28%
Pb 220	54.0	0.0056	mg/L	0.00083	0.0056	mg/L	0.00083	14.75%

Co 229	360.7	0.0034	mg/L	0.00029	0.0034	mg/L	0.00029	8.68%
Ni 232	1199.9	0.0053	mg/L	0.00050	0.0053	mg/L	0.00050	9.57%
Ba 234	62088.0	0.0961	mg/L	0.00136	0.0961	mg/L	0.00136	1.41%
Mn 258	7672108.3	2.14	mg/L	0.002	2.14	mg/L	0.002	0.09%
Fe 260	9232.4	0.135	mg/L	0.0111	0.135	mg/L	0.0111	8.22%
Cr 268	869.6	0.0044	mg/L	0.00099	0.0044	mg/L	0.00099	22.36%
Mg 279	166248.0	21.1	mg/L	0.11	21.1	mg/L	0.11	0.54%
V 292	-580.9	-0.0004	mg/L	0.00055	-0.0004	mg/L	0.00055	133.18%
Al 308	439.5	0.0404	mg/L	0.00913	0.0404	mg/L	0.00913	22.57%
Be 313	-750.6	-0.0028	mg/L	0.00389	-0.0028	mg/L	0.00389	140.79%
Ca 318	12558169.0	162	mg/L	0.0	162	mg/L	0.0	0.02%
Cu 325	2746.5	0.0065	mg/L	0.00008	0.0065	mg/L	0.00008	1.30%
Ag 328	-320.7	0.0032	mg/L	0.00018	0.0032	mg/L	0.00018	5.57%

Sequence No.: 81 **Autosampler Location: 68**
Sample ID: G1088-2-7I **Date Collected: 7/30/2009 12:30:57 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G1088-2-7I

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1088-2-7I

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	149.7	0.0102	mg/L	0.00017	0.0102	mg/L	0.00017	1.63%
Tl 191	-69.9	0.0001	mg/L	0.00268	0.0001	mg/L	0.00268	>999.9%
Se 196	-28.2	0.0048	mg/L	0.00412	0.0048	mg/L	0.00412	85.23%
Sb 207	95.0	0.0003	mg/L	0.00000	0.0003	mg/L	0.00000	0.70%
Zn 214	2158.1	0.0033	mg/L	0.00027	0.0033	mg/L	0.00027	8.34%
Cd 214	93.3	0.0022	mg/L	0.00052	0.0022	mg/L	0.00052	23.56%
Pb 220	-41.4	0.0032	mg/L	0.00027	0.0032	mg/L	0.00027	8.18%
Co 229	622.8	0.0045	mg/L	0.00027	0.0045	mg/L	0.00027	6.06%
Ni 232	694.8	0.0031	mg/L	0.00103	0.0031	mg/L	0.00103	33.59%
Ba 234	58522.4	0.0914	mg/L	0.00039	0.0914	mg/L	0.00039	0.43%
Mn 258	5454043.9	1.52	mg/L	0.007	1.52	mg/L	0.007	0.48%
Fe 260	380961.1	4.65	mg/L	0.009	4.65	mg/L	0.009	0.18%
Cr 268	772.8	0.0042	mg/L	0.00074	0.0042	mg/L	0.00074	17.43%
Mg 279	145874.4	18.5	mg/L	0.07	18.5	mg/L	0.07	0.39%
V 292	475.0	0.0024	mg/L	0.00037	0.0024	mg/L	0.00037	15.18%
Al 308	339.9	0.0341	mg/L	0.01676	0.0341	mg/L	0.01676	49.21%
Be 313	-750.5	-0.0028	mg/L	0.00000	-0.0028	mg/L	0.00000	0.00%
Ca 318	11364830.0	146	mg/L	1.8	146	mg/L	1.8	1.26%
Cu 325	2461.2	0.0062	mg/L	0.00001	0.0062	mg/L	0.00001	0.15%
Ag 328	-303.1	0.0032	mg/L	0.00007	0.0032	mg/L	0.00007	2.12%

Sequence No.: 82 **Autosampler Location: 69**
Sample ID: G1088-2-8I **Date Collected: 7/30/2009 12:37:13 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G1088-2-8I

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1088-2-8I

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	150.6	0.0103	mg/L	0.00049	0.0103	mg/L	0.00049	4.82%
Tl 191	-74.5	-0.0019	mg/L	0.00792	-0.0019	mg/L	0.00792	425.76%
Se 196	-19.9	0.0033	mg/L	0.00183	0.0033	mg/L	0.00183	55.25%
Sb 207	80.8	-0.0003	mg/L	0.00111	-0.0003	mg/L	0.00111	370.45%
Zn 214	3623.4	0.0068	mg/L	0.00090	0.0068	mg/L	0.00090	13.35%

Cd 214	419.0	0.0029 mg/L	0.00047	0.0029 mg/L	0.00047	16.29%
Pb 220	35.8	0.0052 mg/L	0.00038	0.0052 mg/L	0.00038	7.34%
Co 229	169.6	0.0026 mg/L	0.00038	0.0026 mg/L	0.00038	14.51%
Ni 232	686.3	0.0030 mg/L	0.00057	0.0030 mg/L	0.00057	18.74%
Ba 234	12761.0	0.0311 mg/L	0.00052	0.0311 mg/L	0.00052	1.68%
Mn 258	2569464.9	0.718 mg/L	0.0039	0.718 mg/L	0.0039	0.54%
Fe 260	31132.6	0.401 mg/L	0.0037	0.401 mg/L	0.0037	0.92%
Cr 268	867.9	0.0044 mg/L	0.00000	0.0044 mg/L	0.00000	0.00%
Mg 279	103088.2	13.1 mg/L	0.27	13.1 mg/L	0.27	2.08%
V 292	939.4	0.0037 mg/L	0.00096	0.0037 mg/L	0.00096	26.15%
Al 308	4643.4	0.310 mg/L	0.0128	0.310 mg/L	0.0128	4.14%
Be 313	-750.5	-0.0028 mg/L	0.00194	-0.0028 mg/L	0.00194	70.42%
Ca 318	5079161.9	65.3 mg/L	0.22	65.3 mg/L	0.22	0.34%
Cu 325	3554.2	0.0072 mg/L	0.00062	0.0072 mg/L	0.00062	8.62%
Ag 328	-668.4	0.0028 mg/L	0.00017	0.0028 mg/L	0.00017	5.90%

Sequence No.: 83
Sample ID: ccv7
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 90
Date Collected: 7/30/2009 12:43:27 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv7

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: ccv7

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9144.7	0.544	mg/L	0.0028	0.544	mg/L	0.0028	0.51%
Tl 191	10358.7	0.520	mg/L	0.0082	0.520	mg/L	0.0082	1.58%
Se 196	7323.2	0.541	mg/L	0.0013	0.541	mg/L	0.0013	0.25%
Sb 207	13065.3	0.539	mg/L	0.0018	0.539	mg/L	0.0018	0.33%
Zn 214	263065.1	0.527	mg/L	0.0011	0.527	mg/L	0.0011	0.21%
Cd 214	395075.5	0.537	mg/L	0.0005	0.537	mg/L	0.0005	0.09%
Pb 220	21242.1	0.527	mg/L	0.0031	0.527	mg/L	0.0031	0.58%
Co 229	125491.8	0.529	mg/L	0.0126	0.529	mg/L	0.0126	2.38%
Ni 232	123076.7	0.541	mg/L	0.0015	0.541	mg/L	0.0015	0.27%
Ba 234	1964548.6	2.60	mg/L	0.037	2.60	mg/L	0.037	1.42%
Mn 258	1882097.6	0.526	mg/L	0.0015	0.526	mg/L	0.0015	0.28%
Fe 260	220145.2	2.70	mg/L	0.047	2.70	mg/L	0.047	1.73%
Cr 268	289426.1	0.527	mg/L	0.0026	0.527	mg/L	0.0026	0.49%
Mg 279	21451.8	2.72	mg/L	0.016	2.72	mg/L	0.016	0.60%
V 292	198826.1	0.536	mg/L	0.0013	0.536	mg/L	0.0013	0.24%
Al 308	41038.9	2.64	mg/L	0.031	2.64	mg/L	0.031	1.18%
Be 313	72437.3	0.533	mg/L	0.0097	0.533	mg/L	0.0097	1.82%
Ca 318	209355.7	2.66	mg/L	0.004	2.66	mg/L	0.004	0.15%
Cu 325	578691.2	0.507	mg/L	0.0044	0.507	mg/L	0.0044	0.87%
Ag 328	418284.3	0.506	mg/L	0.0046	0.506	mg/L	0.0046	0.91%

Sequence No.: 84
Sample ID: ccb7
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 91
Date Collected: 7/30/2009 12:49:39 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb7

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: ccb7

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	88.0	0.0066	mg/L	0.00365	0.0066	mg/L	0.00365	55.58%
Tl 191	-39.5	-0.0016	mg/L	0.00392	-0.0016	mg/L	0.00392	242.81%
Se 196	-18.7	0.0032	mg/L	0.00110	0.0032	mg/L	0.00110	34.38%

Sb 207	36.4	-0.0021 mg/L	0.00123	-0.0021 mg/L	0.00123	57.24%
Zn 214	223.7	0.0000 mg/L	0.00107	0.0000 mg/L	0.00107	>999.9%
Cd 214	242.0	0.0027 mg/L	0.00012	0.0027 mg/L	0.00012	4.43%
Pb 220	44.8	0.0054 mg/L	0.00350	0.0054 mg/L	0.00350	65.15%
Co 229	-136.0	0.0013 mg/L	0.00073	0.0013 mg/L	0.00073	55.71%
Ni 232	197.8	0.0009 mg/L	0.00011	0.0009 mg/L	0.00011	13.07%
Ba 234	165.1	0.0145 mg/L	0.00083	0.0145 mg/L	0.00083	5.72%
Mn 258	2932.1	0.0024 mg/L	0.00028	0.0024 mg/L	0.00028	11.77%
Fe 260	858.8	0.0329 mg/L	0.00000	0.0329 mg/L	0.00000	0.00%
Cr 268	287.0	0.0034 mg/L	0.00025	0.0034 mg/L	0.00025	7.38%
Mg 279	132.7	0.0234 mg/L	0.00695	0.0234 mg/L	0.00695	29.70%
V 292	358.5	0.0021 mg/L	0.00155	0.0021 mg/L	0.00155	73.29%
Al 308	392.2	0.0374 mg/L	0.01432	0.0374 mg/L	0.01432	38.27%
Be 313	-844.4	-0.0034 mg/L	0.00486	-0.0034 mg/L	0.00486	140.92%
Ca 318	980.7	-0.0184 mg/L	0.00179	-0.0184 mg/L	0.00179	9.76%
Cu 325	2662.5	0.0064 mg/L	0.00036	0.0064 mg/L	0.00036	5.56%
Ag 328	-40.0	0.0036 mg/L	0.00019	0.0036 mg/L	0.00019	5.41%

Sequence No.: 85
Sample ID: G1088-2-9I
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 7/30/2009 12:55:55 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1088-2-9I

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1088-2-9I

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	104.6	0.0075	mg/L	0.00158	0.0075	mg/L	0.00158	20.87%
Tl 191	-50.9	-0.0018	mg/L	0.00074	-0.0018	mg/L	0.00074	41.84%
Se 196	-33.7	0.0021	mg/L	0.00163	0.0021	mg/L	0.00163	76.21%
Sb 207	85.5	-0.0001	mg/L	0.00210	-0.0001	mg/L	0.00210	>999.9%
Zn 214	10884.4	0.0214	mg/L	0.00053	0.0214	mg/L	0.00053	2.49%
Cd 214	2088.6	0.0052	mg/L	0.00029	0.0052	mg/L	0.00029	5.60%
Pb 220	-23.8	0.0037	mg/L	0.00200	0.0037	mg/L	0.00200	54.35%
Co 229	-32.9	0.0017	mg/L	0.00024	0.0017	mg/L	0.00024	13.53%
Ni 232	300.3	0.0013	mg/L	0.00075	0.0013	mg/L	0.00075	56.68%
Ba 234	26260.5	0.0489	mg/L	0.00128	0.0489	mg/L	0.00128	2.63%
Mn 258	730562.8	0.205	mg/L	0.0022	0.205	mg/L	0.0022	1.07%
Fe 260	4578.9	0.0780	mg/L	0.01965	0.0780	mg/L	0.01965	25.17%
Cr 268	720.9	0.0041	mg/L	0.00037	0.0041	mg/L	0.00037	8.86%
Mg 279	174678.7	22.1	mg/L	0.16	22.1	mg/L	0.16	0.70%
V 292	358.5	0.0021	mg/L	0.00044	0.0021	mg/L	0.00044	20.98%
Al 308	778.4	0.0622	mg/L	0.00474	0.0622	mg/L	0.00474	7.62%
Be 313	-750.6	-0.0028	mg/L	0.00000	-0.0028	mg/L	0.00000	0.03%
Ca 318	7459531.5	95.9	mg/L	1.53	95.9	mg/L	1.53	1.59%
Cu 325	2614.1	0.0064	mg/L	0.00030	0.0064	mg/L	0.00030	4.66%
Ag 328	-592.4	0.0029	mg/L	0.00007	0.0029	mg/L	0.00007	2.43%

Sequence No.: 86
Sample ID: G1090-2-1B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 71
Date Collected: 7/30/2009 01:02:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1090-2-1B

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1090-2-1B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	34.8	0.0034	mg/L	0.00033	0.0034	mg/L	0.00033	9.55%

Tl 191	-79.3	-0.0034 mg/L	0.00059	-0.0034 mg/L	0.00059	17.31%
Se 196	-63.4	0.0007 mg/L	0.00022	0.0007 mg/L	0.00022	33.13%
Sb 207	65.1	-0.0010 mg/L	0.00171	-0.0010 mg/L	0.00171	179.44%
Zn 214	1108.0	0.0016 mg/L	0.00005	0.0016 mg/L	0.00005	3.01%
Cd 214	-15.9	0.0022 mg/L	0.00009	0.0022 mg/L	0.00009	4.07%
Pb 220	-13.8	0.0039 mg/L	0.00068	0.0039 mg/L	0.00068	17.34%
Co 229	-129.2	0.0013 mg/L	0.00069	0.0013 mg/L	0.00069	51.47%
Ni 232	197.8	0.0009 mg/L	0.00011	0.0009 mg/L	0.00011	13.07%
Ba 234	41824.2	0.0694 mg/L	0.00009	0.0694 mg/L	0.00009	0.13%
Mn 258	347805.9	0.0985 mg/L	0.00033	0.0985 mg/L	0.00033	0.33%
Fe 260	117300.3	1.45 mg/L	0.028	1.45 mg/L	0.028	1.96%
Cr 268	530.7	0.0038 mg/L	0.00086	0.0038 mg/L	0.00086	22.70%
Mg 279	258347.7	32.7 mg/L	0.17	32.7 mg/L	0.17	0.51%
V 292	842.6	0.0034 mg/L	0.00029	0.0034 mg/L	0.00029	8.60%
Al 308	1029.2	0.0783 mg/L	0.00045	0.0783 mg/L	0.00045	0.57%
Be 313	-750.6	-0.0028 mg/L	0.00972	-0.0028 mg/L	0.00972	352.03%
Ca 318	6299106.0	81.0 mg/L	0.66	81.0 mg/L	0.66	0.81%
Cu 325	2642.1	0.0064 mg/L	0.00050	0.0064 mg/L	0.00050	7.83%
Ag 328	-530.2	0.0030 mg/L	0.00010	0.0030 mg/L	0.00010	3.26%

Sequence No.: 87 **Autosampler Location: 72**
Sample ID: G1090-2-2B **Date Collected: 7/30/2009 01:08:28 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G1090-2-2B

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1090-2-2B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	167.3	0.0112	mg/L	0.00164	0.0112	mg/L	0.00164	14.58%
Tl 191	7.7	0.0011	mg/L	0.00159	0.0011	mg/L	0.00159	141.86%
Se 196	-8.3	0.0076	mg/L	0.00016	0.0076	mg/L	0.00016	2.14%
Sb 207	105.0	0.0007	mg/L	0.00159	0.0007	mg/L	0.00159	222.96%
Zn 214	8368.9	0.0154	mg/L	0.00020	0.0154	mg/L	0.00020	1.28%
Cd 214	221.8	0.0023	mg/L	0.00012	0.0023	mg/L	0.00012	5.40%
Pb 220	-46.6	0.0031	mg/L	0.00036	0.0031	mg/L	0.00036	11.62%
Co 229	274.4	0.0030	mg/L	0.00002	0.0030	mg/L	0.00002	0.60%
Ni 232	1669.6	0.0073	mg/L	0.00019	0.0073	mg/L	0.00019	2.54%
Ba 234	88273.5	0.131	mg/L	0.0007	0.131	mg/L	0.0007	0.55%
Mn 258	642212.0	0.181	mg/L	0.0003	0.181	mg/L	0.0003	0.16%
Fe 260	592947.4	7.22	mg/L	0.144	7.22	mg/L	0.144	1.99%
Cr 268	869.6	0.0044	mg/L	0.00049	0.0044	mg/L	0.00049	11.13%
Mg 279	160230.7	20.3	mg/L	0.10	20.3	mg/L	0.10	0.50%
V 292	1830.5	0.0061	mg/L	0.00110	0.0061	mg/L	0.00110	18.20%
Al 308	2583.3	0.178	mg/L	0.0000	0.178	mg/L	0.0000	0.00%
Be 313	-1501.1	-0.0083	mg/L	0.00194	-0.0083	mg/L	0.00194	23.54%
Ca 318	6541516.7	84.1	mg/L	1.19	84.1	mg/L	1.19	1.41%
Cu 325	5062.5	0.0085	mg/L	0.00021	0.0085	mg/L	0.00021	2.50%
Ag 328	-844.7	0.0026	mg/L	0.00027	0.0026	mg/L	0.00027	10.45%

Sequence No.: 88 **Autosampler Location: 73**
Sample ID: G1090-2-3B **Date Collected: 7/30/2009 01:14:43 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: G1090-2-3B

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1090-2-3B

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	54.7	0.0046	mg/L	0.00096	0.0046	mg/L	0.00096	20.76%
Tl 191	18.2	0.0014	mg/L	0.00115	0.0014	mg/L	0.00115	83.76%
Se 196	-26.0	0.0031	mg/L	0.00009	0.0031	mg/L	0.00009	3.03%
Sb 207	96.1	0.0004	mg/L	0.00095	0.0004	mg/L	0.00095	270.17%
Zn 214	1541.1	0.0025	mg/L	0.00075	0.0025	mg/L	0.00075	30.12%
Cd 214	74.8	0.0024	mg/L	0.00039	0.0024	mg/L	0.00039	16.20%
Pb 220	20.0	0.0048	mg/L	0.00019	0.0048	mg/L	0.00019	4.00%
Co 229	-127.6	0.0013	mg/L	0.00024	0.0013	mg/L	0.00024	17.52%
Ni 232	667.7	0.0029	mg/L	0.00045	0.0029	mg/L	0.00045	15.33%
Ba 234	38503.5	0.0650	mg/L	0.00090	0.0650	mg/L	0.00090	1.38%
Mn 258	164440.3	0.0474	mg/L	0.00013	0.0474	mg/L	0.00013	0.28%
Fe 260	76006.4	0.946	mg/L	0.0074	0.946	mg/L	0.0074	0.78%
Cr 268	529.0	0.0038	mg/L	0.00012	0.0038	mg/L	0.00012	3.26%
Mg 279	226411.0	28.7	mg/L	0.26	28.7	mg/L	0.26	0.89%
V 292	677.7	0.0030	mg/L	0.00055	0.0030	mg/L	0.00055	18.60%
Al 308	2086.5	0.146	mg/L	0.0011	0.146	mg/L	0.0011	0.79%
Be 313	-1782.6	-0.0103	mg/L	0.00291	-0.0103	mg/L	0.00291	28.25%
Ca 318	5710835.5	73.4	mg/L	0.90	73.4	mg/L	0.90	1.22%
Cu 325	2614.1	0.0064	mg/L	0.00013	0.0064	mg/L	0.00013	2.01%
Ag 328	-770.1	0.0027	mg/L	0.00029	0.0027	mg/L	0.00029	10.83%

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Sequence No.: 89
Sample ID: G1090-2-4B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 74
Date Collected: 7/30/2009 01:20:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1090-2-4B

Analyte	Back Pressure	Flow
All	269.0 kPa	0.70 L/min

Mean Data: G1090-2-4B

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	108.8	0.0078	mg/L	0.00077	0.0078	mg/L	0.00077	9.87%
Tl 191	-98.0	-0.0032	mg/L	0.00070	-0.0032	mg/L	0.00070	21.82%
Se 196	-180.1	0.0253	mg/L	0.00112	0.0253	mg/L	0.00112	4.45%
Sb 207	138.8	0.0021	mg/L	0.00006	0.0021	mg/L	0.00006	2.81%
Zn 214	7524.5	0.0061	mg/L	0.00053	0.0061	mg/L	0.00053	8.72%
Cd 214	1249.9	0.0005	mg/L	0.00011	0.0005	mg/L	0.00011	20.49%
Pb 220	212.4	0.0095	mg/L	0.00070	0.0095	mg/L	0.00070	7.39%
Co 229	347.7	0.0033	mg/L	0.00029	0.0033	mg/L	0.00029	8.69%
Ni 232	1883.4	0.0083	mg/L	0.00066	0.0083	mg/L	0.00066	8.00%
Ba 234	90115.4	0.133	mg/L	0.0007	0.133	mg/L	0.0007	0.53%
Mn 258	2241367.8	0.626	mg/L	0.0045	0.626	mg/L	0.0045	0.71%
Fe 260	5567561.0	67.7	mg/L	0.38	67.7	mg/L	0.38	0.56%
Cr 268	1834.3	0.0062	mg/L	0.00000	0.0062	mg/L	0.00000	0.07%
Mg 279	657210.3	83.3	mg/L	0.17	83.3	mg/L	0.17	0.20%
V 292	822.9	0.0034	mg/L	0.00037	0.0034	mg/L	0.00037	10.96%
Al 308	2891.8	0.198	mg/L	0.0039	0.198	mg/L	0.0039	1.99%
Be 313	-562.9	-0.0014	mg/L	0.00777	-0.0014	mg/L	0.00777	560.85%
Ca 318	22134502.9	285	mg/L	0.1	285	mg/L	0.1	0.04%
Cu 325	4840.9	0.0083	mg/L	0.00001	0.0083	mg/L	0.00001	0.11%
Ag 328	-478.0	0.0030	mg/L	0.00040	0.0030	mg/L	0.00040	13.06%

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Sequence No.: 90
Sample ID: G1090-2-5B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 75
Date Collected: 7/30/2009 01:27:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1090-2-5B

Analyte	Back Pressure	Flow
All	270.0 kPa	0.70 L/min

Mean Data: G1090-2-5B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	55.7	0.0047	mg/L	0.00137	0.0047	mg/L	0.00137	29.36%
Tl 191	-118.7	-0.0054	mg/L	0.00421	-0.0054	mg/L	0.00421	77.49%
Se 196	-66.4	0.0001	mg/L	0.00180	0.0001	mg/L	0.00180	>999.9%
Sb 207	46.5	-0.0017	mg/L	0.00162	-0.0017	mg/L	0.00162	93.66%
Zn 214	1353.5	0.0021	mg/L	0.00064	0.0021	mg/L	0.00064	29.86%
Cd 214	116.2	0.0025	mg/L	0.00021	0.0025	mg/L	0.00021	8.56%
Pb 220	71.5	0.0060	mg/L	0.00052	0.0060	mg/L	0.00052	8.64%
Co 229	-110.0	0.0014	mg/L	0.00021	0.0014	mg/L	0.00021	15.02%
Ni 232	451.0	0.0020	mg/L	0.00132	0.0020	mg/L	0.00132	66.28%
Ba 234	59896.9	0.0932	mg/L	0.00163	0.0932	mg/L	0.00163	1.75%
Mn 258	252147.5	0.0718	mg/L	0.00030	0.0718	mg/L	0.00030	0.41%
Fe 260	58829.8	0.737	mg/L	0.0074	0.737	mg/L	0.0074	1.00%
Cr 268	435.7	0.0036	mg/L	0.00012	0.0036	mg/L	0.00012	3.41%
Mg 279	167985.1	21.3	mg/L	0.16	21.3	mg/L	0.16	0.73%
V 292	939.4	0.0037	mg/L	0.00044	0.0037	mg/L	0.00044	12.06%
Al 308	730.0	0.0591	mg/L	0.04424	0.0591	mg/L	0.04424	74.91%
Be 313	-656.7	-0.0021	mg/L	0.00291	-0.0021	mg/L	0.00291	140.59%
Ca 318	4454216.8	57.3	mg/L	0.91	57.3	mg/L	0.91	1.58%
Cu 325	2468.8	0.0063	mg/L	0.00012	0.0063	mg/L	0.00012	1.90%
Ag 328	-643.5	0.0028	mg/L	0.00041	0.0028	mg/L	0.00041	14.36%

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Sequence No.: 91
Sample ID: G1090-2-6B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 76
Date Collected: 7/30/2009 01:33:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1090-2-6B

Analyte	Back Pressure	Flow
All	270.0 kPa	0.70 L/min

Mean Data: G1090-2-6B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	27.0	0.0030	mg/L	0.00178	0.0030	mg/L	0.00178	59.82%
Tl 191	-47.4	-0.0018	mg/L	0.00375	-0.0018	mg/L	0.00375	205.38%
Se 196	-9.6	0.0041	mg/L	0.00056	0.0041	mg/L	0.00056	13.56%
Sb 207	91.3	0.0001	mg/L	0.00149	0.0001	mg/L	0.00149	>999.9%
Zn 214	1652.9	0.0028	mg/L	0.00054	0.0028	mg/L	0.00054	19.28%
Cd 214	176.9	0.0026	mg/L	0.00014	0.0026	mg/L	0.00014	5.57%
Pb 220	173.4	0.0085	mg/L	0.00060	0.0085	mg/L	0.00060	7.06%
Co 229	139.1	0.0025	mg/L	0.00039	0.0025	mg/L	0.00039	16.01%
Ni 232	66.6	0.0003	mg/L	0.00045	0.0003	mg/L	0.00045	150.81%
Ba 234	67976.8	0.104	mg/L	0.0002	0.104	mg/L	0.0002	0.21%
Mn 258	316837.6	0.0899	mg/L	0.00001	0.0899	mg/L	0.00001	0.01%
Fe 260	39576.2	0.503	mg/L	0.0086	0.503	mg/L	0.0086	1.71%
Cr 268	772.8	0.0042	mg/L	0.00024	0.0042	mg/L	0.00024	5.74%
Mg 279	132959.8	16.9	mg/L	0.14	16.9	mg/L	0.14	0.82%
V 292	726.1	0.0031	mg/L	0.00037	0.0031	mg/L	0.00037	11.88%
Al 308	1448.4	0.105	mg/L	0.0047	0.105	mg/L	0.0047	4.51%
Be 313	-938.2	-0.0041	mg/L	0.00194	-0.0041	mg/L	0.00194	47.01%
Ca 318	3515606.3	45.2	mg/L	0.58	45.2	mg/L	0.58	1.28%
Cu 325	3546.6	0.0072	mg/L	0.00008	0.0072	mg/L	0.00008	1.18%
Ag 328	-189.0	0.0034	mg/L	0.00003	0.0034	mg/L	0.00003	0.78%

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Sequence No.: 92
Sample ID: G1090-2-7B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 7/30/2009 01:39:43 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1090-2-7B

Analyte	Back Pressure	Flow
All	269.0 kPa	0.70 L/min

Mean Data: G1090-2-7B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	74.2	0.0058	mg/L	0.00008	0.0058	mg/L	0.00008	1.30%
Tl 191	7.7	0.0008	mg/L	0.00015	0.0008	mg/L	0.00015	17.84%
Se 196	-70.1	-0.0005	mg/L	0.00206	-0.0005	mg/L	0.00206	445.78%
Sb 207	12.4	-0.0032	mg/L	0.00209	-0.0032	mg/L	0.00209	65.82%
Zn 214	2363.8	0.0043	mg/L	0.00128	0.0043	mg/L	0.00128	29.98%
Cd 214	48.4	0.0024	mg/L	0.00048	0.0024	mg/L	0.00048	19.87%
Pb 220	38.4	0.0052	mg/L	0.00176	0.0052	mg/L	0.00176	33.85%
Co 229	-148.3	0.0013	mg/L	0.00136	0.0013	mg/L	0.00136	107.70%
Ni 232	86.5	0.0004	mg/L	0.00208	0.0004	mg/L	0.00208	538.29%
Ba 234	58454.8	0.0913	mg/L	0.00170	0.0913	mg/L	0.00170	1.87%
Mn 258	161086.1	0.0465	mg/L	0.00059	0.0465	mg/L	0.00059	1.28%
Fe 260	15099.6	0.206	mg/L	0.0012	0.206	mg/L	0.0012	0.58%
Cr 268	916.3	0.0045	mg/L	0.00012	0.0045	mg/L	0.00012	2.75%
Mg 279	138359.1	17.5	mg/L	0.21	17.5	mg/L	0.21	1.17%
V 292	-319.2	0.0003	mg/L	0.00044	0.0003	mg/L	0.00044	153.25%
Al 308	2230.7	0.155	mg/L	0.0040	0.155	mg/L	0.0040	2.60%
Be 313	-938.2	-0.0041	mg/L	0.00194	-0.0041	mg/L	0.00194	46.99%
Ca 318	4603003.3	59.2	mg/L	0.44	59.2	mg/L	0.44	0.74%
Cu 325	1791.1	0.0057	mg/L	0.00024	0.0057	mg/L	0.00024	4.20%
Ag 328	-307.4	0.0032	mg/L	0.00000	0.0032	mg/L	0.00000	0.00%

Sequence No.: 93
Sample ID: G1090-2-8B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 78
Date Collected: 7/30/2009 01:45:51 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1090-2-8B

Analyte	Back Pressure	Flow
All	270.0 kPa	0.70 L/min

Mean Data: G1090-2-8B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	72.9	0.0057	mg/L	0.00063	0.0057	mg/L	0.00063	11.02%
Tl 191	77.1	0.0043	mg/L	0.00261	0.0043	mg/L	0.00261	60.38%
Se 196	-29.7	0.0024	mg/L	0.00023	0.0024	mg/L	0.00023	9.51%
Sb 207	50.8	-0.0016	mg/L	0.00213	-0.0016	mg/L	0.00213	133.83%
Zn 214	1407.5	0.0023	mg/L	0.00027	0.0023	mg/L	0.00027	11.48%
Cd 214	26.4	0.0024	mg/L	0.00035	0.0024	mg/L	0.00035	14.58%
Pb 220	-80.6	0.0023	mg/L	0.00000	0.0023	mg/L	0.00000	0.05%
Co 229	-72.6	0.0016	mg/L	0.00024	0.0016	mg/L	0.00024	14.96%
Ni 232	425.4	0.0019	mg/L	0.00050	0.0019	mg/L	0.00050	26.93%
Ba 234	40710.4	0.0679	mg/L	0.00015	0.0679	mg/L	0.00015	0.22%
Mn 258	167825.4	0.0483	mg/L	0.00028	0.0483	mg/L	0.00028	0.59%
Fe 260	3220.6	0.0615	mg/L	0.00369	0.0615	mg/L	0.00369	5.99%
Cr 268	2271.7	0.0069	mg/L	0.00012	0.0069	mg/L	0.00012	1.78%
Mg 279	119773.9	15.2	mg/L	0.00	15.2	mg/L	0.00	0.02%
V 292	1878.9	0.0062	mg/L	0.00018	0.0062	mg/L	0.00018	2.97%
Al 308	580.9	0.0495	mg/L	0.00439	0.0495	mg/L	0.00439	8.87%
Be 313	-469.1	-0.0007	mg/L	0.00291	-0.0007	mg/L	0.00291	417.05%
Ca 318	5556976.3	71.5	mg/L	0.01	71.5	mg/L	0.01	0.01%
Cu 325	4010.3	0.0076	mg/L	0.00065	0.0076	mg/L	0.00065	8.62%
Ag 328	-569.9	0.0029	mg/L	0.00045	0.0029	mg/L	0.00045	15.23%

Sequence No.: 94
Sample ID: G1090-2-9B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 79
Date Collected: 7/30/2009 01:52:04 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1090-2-9B

Analyte	Back Pressure	Flow
All	270.0 kPa	0.70 L/min

Mean Data: G1090-2-9B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	99.3	0.0072	mg/L	0.00131	0.0072	mg/L	0.00131	18.13%
Tl 191	-9.8	0.0001	mg/L	0.00161	0.0001	mg/L	0.00161	>999.9%
Se 196	-38.3	0.0020	mg/L	0.00187	0.0020	mg/L	0.00187	92.87%
Sb 207	91.2	0.0001	mg/L	0.00121	0.0001	mg/L	0.00121	842.59%
Zn 214	1108.0	0.0017	mg/L	0.00058	0.0017	mg/L	0.00058	34.63%
Cd 214	54.6	0.0024	mg/L	0.00009	0.0024	mg/L	0.00009	3.88%
Pb 220	226.6	0.0098	mg/L	0.00006	0.0098	mg/L	0.00006	0.61%
Co 229	-131.5	0.0013	mg/L	0.00039	0.0013	mg/L	0.00039	29.67%
Ni 232	406.8	0.0018	mg/L	0.00069	0.0018	mg/L	0.00069	38.55%
Ba 234	67342.5	0.103	mg/L	0.0004	0.103	mg/L	0.0004	0.42%
Mn 258	308559.1	0.0876	mg/L	0.00061	0.0876	mg/L	0.00061	0.69%
Fe 260	39361.5	0.501	mg/L	0.0025	0.501	mg/L	0.0025	0.50%
Cr 268	530.7	0.0038	mg/L	0.00012	0.0038	mg/L	0.00012	3.14%
Mg 279	133300.9	16.9	mg/L	0.00	16.9	mg/L	0.00	0.02%
V 292	842.6	0.0034	mg/L	0.00081	0.0034	mg/L	0.00081	23.77%
Al 308	1351.6	0.0989	mg/L	0.00474	0.0989	mg/L	0.00474	4.79%
Be 313	-1501.1	-0.0083	mg/L	0.00389	-0.0083	mg/L	0.00389	47.09%
Ca 318	3462478.3	44.5	mg/L	0.07	44.5	mg/L	0.07	0.17%
Cu 325	3437.0	0.0071	mg/L	0.00060	0.0071	mg/L	0.00060	8.39%
Ag 328	-617.1	0.0029	mg/L	0.00030	0.0029	mg/L	0.00030	10.39%

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Sequence No.: 95 | **Autosampler Location: 92**
Sample ID: ccv8 | **Date Collected: 7/30/2009 01:58:21 AM**
Analyst: | **Data Type: Original**
Initial Sample Wt: | **Initial Sample Vol:**
Dilution: | **Sample Prep Vol:**

Nebulizer Parameters: ccv8

Analyte	Back Pressure	Flow
All	269.0 kPa	0.70 L/min

Mean Data: ccv8

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9192.0	0.547	mg/L	0.0008	0.547	mg/L	0.0008	0.14%
Tl 191	10350.4	0.520	mg/L	0.0063	0.520	mg/L	0.0063	1.22%
Se 196	7250.2	0.536	mg/L	0.0010	0.536	mg/L	0.0010	0.19%
Sb 207	12866.9	0.530	mg/L	0.0022	0.530	mg/L	0.0022	0.42%
Zn 214	258730.9	0.518	mg/L	0.0016	0.518	mg/L	0.0016	0.31%
Cd 214	387148.9	0.526	mg/L	0.0047	0.526	mg/L	0.0047	0.90%
Pb 220	20990.8	0.521	mg/L	0.0015	0.521	mg/L	0.0015	0.29%
Co 229	121614.2	0.513	mg/L	0.0051	0.513	mg/L	0.0051	0.99%
Ni 232	121862.0	0.535	mg/L	0.0076	0.535	mg/L	0.0076	1.42%
Ba 234	1923364.0	2.55	mg/L	0.019	2.55	mg/L	0.019	0.73%
Mn 258	1861469.4	0.520	mg/L	0.0001	0.520	mg/L	0.0001	0.03%
Fe 260	220145.2	2.70	mg/L	0.025	2.70	mg/L	0.025	0.91%
Cr 268	284924.1	0.518	mg/L	0.0059	0.518	mg/L	0.0059	1.15%
Mg 279	21411.1	2.72	mg/L	0.027	2.72	mg/L	0.027	0.98%
V 292	195688.6	0.527	mg/L	0.0068	0.527	mg/L	0.0068	1.29%
Al 308	40990.5	2.64	mg/L	0.018	2.64	mg/L	0.018	0.68%
Be 313	71968.2	0.530	mg/L	0.0126	0.530	mg/L	0.0126	2.38%
Ca 318	207783.9	2.64	mg/L	0.072	2.64	mg/L	0.072	2.71%
Cu 325	572923.0	0.502	mg/L	0.0025	0.502	mg/L	0.0025	0.50%
Ag 328	416247.7	0.503	mg/L	0.0033	0.503	mg/L	0.0033	0.65%

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Sequence No.: 96 | **Autosampler Location: 93**
Sample ID: ccb8 | **Date Collected: 7/30/2009 02:04:34 AM**
Analyst: | **Data Type: Original**
Initial Sample Wt: | **Initial Sample Vol:**
Dilution: | **Sample Prep Vol:**

Nebulizer Parameters: ccb8

Analyte	Back Pressure	Flow
All	269.0 kPa	0.70 L/min

Mean Data: ccb8

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	86.0	0.0064	mg/L	0.00117	0.0064	mg/L	0.00117	18.21%
Tl 191	-60.2	-0.0027	mg/L	0.00183	-0.0027	mg/L	0.00183	69.07%
Se 196	-41.3	0.0016	mg/L	0.00095	0.0016	mg/L	0.00095	60.73%
Sb 207	55.4	-0.0014	mg/L	0.00108	-0.0014	mg/L	0.00108	79.65%
Zn 214	263.5	0.0000	mg/L	0.00139	0.0000	mg/L	0.00139	>999.9%
Cd 214	51.9	0.0024	mg/L	0.00019	0.0024	mg/L	0.00019	7.74%
Pb 220	2.1	0.0043	mg/L	0.00160	0.0043	mg/L	0.00160	37.05%
Co 229	89.4	0.0023	mg/L	0.00029	0.0023	mg/L	0.00029	12.87%
Ni 232	401.5	0.0018	mg/L	0.00000	0.0018	mg/L	0.00000	0.00%
Ba 234	-375.3	0.0138	mg/L	0.00017	0.0138	mg/L	0.00017	1.26%
Mn 258	298.1	0.0016	mg/L	0.00013	0.0016	mg/L	0.00013	7.99%
Fe 260	644.1	0.0302	mg/L	0.01844	0.0302	mg/L	0.01844	60.98%
Cr 268	193.6	0.0032	mg/L	0.00000	0.0032	mg/L	0.00000	0.00%
Mg 279	124.3	0.0223	mg/L	0.01167	0.0223	mg/L	0.01167	52.27%
V 292	1801.7	0.0060	mg/L	0.00026	0.0060	mg/L	0.00026	4.32%
Al 308	105.6	0.0190	mg/L	0.00359	0.0190	mg/L	0.00359	18.87%
Be 313	-656.7	-0.0021	mg/L	0.00097	-0.0021	mg/L	0.00097	46.89%
Ca 318	328.7	-0.0268	mg/L	0.00000	-0.0268	mg/L	0.00000	0.00%
Cu 325	1493.1	0.0054	mg/L	0.00018	0.0054	mg/L	0.00018	3.30%
Ag 328	-68.1	0.0035	mg/L	0.00003	0.0035	mg/L	0.00003	0.91%

Sequence No.: 97
Sample ID: G1090-2-10B
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 80
Date Collected: 7/30/2009 02:10:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G1090-2-10B

Analyte	Back Pressure	Flow
All	269.0 kPa	0.70 L/min

Mean Data: G1090-2-10B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	30.7	0.0032	mg/L	0.00202	0.0032	mg/L	0.00202	63.07%
Tl 191	-79.9	-0.0036	mg/L	0.00075	-0.0036	mg/L	0.00075	20.68%
Se 196	-49.2	0.0010	mg/L	0.00151	0.0010	mg/L	0.00151	154.34%
Sb 207	62.1	-0.0011	mg/L	0.00077	-0.0011	mg/L	0.00077	71.36%
Zn 214	1613.1	0.0028	mg/L	0.00021	0.0028	mg/L	0.00021	7.51%
Cd 214	38.7	0.0024	mg/L	0.00023	0.0024	mg/L	0.00023	9.77%
Pb 220	183.7	0.0088	mg/L	0.00147	0.0088	mg/L	0.00147	16.71%
Co 229	-178.1	0.0011	mg/L	0.00102	0.0011	mg/L	0.00102	89.60%
Ni 232	86.5	0.0004	mg/L	0.00148	0.0004	mg/L	0.00148	382.58%
Ba 234	159.8	0.0145	mg/L	0.00008	0.0145	mg/L	0.00008	0.58%
Mn 258	2147.1	0.0022	mg/L	0.00033	0.0022	mg/L	0.00033	15.18%
Fe 260	429.4	0.0276	mg/L	0.01475	0.0276	mg/L	0.01475	53.39%
Cr 268	724.4	0.0042	mg/L	0.00086	0.0042	mg/L	0.00086	20.79%
Mg 279	4282.6	0.549	mg/L	0.0205	0.549	mg/L	0.0205	3.73%
V 292	1075.6	0.0040	mg/L	0.00155	0.0040	mg/L	0.00155	38.31%
Al 308	335.0	0.0337	mg/L	0.00035	0.0337	mg/L	0.00035	1.04%
Be 313	-1125.7	-0.0055	mg/L	0.00777	-0.0055	mg/L	0.00777	141.14%
Ca 318	204973.3	2.61	mg/L	0.002	2.61	mg/L	0.002	0.07%
Cu 325	1085.4	0.0051	mg/L	0.00051	0.0051	mg/L	0.00051	10.11%
Ag 328	-743.7	0.0027	mg/L	0.00031	0.0027	mg/L	0.00031	11.22%

Sequence No.: 98
Sample ID: G1090-2-10C dup
Analyst:
Initial Sample Wt:
Autosampler Location: 81
Date Collected: 7/30/2009 02:17:07 AM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Nebulizer Parameters: G1090-2-10C dup

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1090-2-10C dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	21.5	0.0027	mg/L	0.00013	0.0027	mg/L	0.00013	4.77%
Tl 191	-29.2	-0.0011	mg/L	0.00315	-0.0011	mg/L	0.00315	286.51%
Se 196	-38.0	0.0018	mg/L	0.00117	0.0018	mg/L	0.00117	65.25%
Sb 207	32.0	-0.0023	mg/L	0.00078	-0.0023	mg/L	0.00078	33.47%
Zn 214	1389.5	0.0023	mg/L	0.00032	0.0023	mg/L	0.00032	14.03%
Cd 214	-213.0	0.0020	mg/L	0.00003	0.0020	mg/L	0.00003	1.23%
Pb 220	-16.9	0.0039	mg/L	0.00081	0.0039	mg/L	0.00081	21.06%
Co 229	-181.1	0.0011	mg/L	0.00002	0.0011	mg/L	0.00002	1.62%
Ni 232	736.0	0.0032	mg/L	0.00111	0.0032	mg/L	0.00111	34.15%
Ba 234	65.9	0.0144	mg/L	0.00049	0.0144	mg/L	0.00049	3.37%
Mn 258	1382.7	0.0019	mg/L	0.00030	0.0019	mg/L	0.00030	15.29%
Fe 260	0.0	0.0224	mg/L	0.00000	0.0224	mg/L	0.00000	0.00%
Cr 268	772.8	0.0042	mg/L	0.00074	0.0042	mg/L	0.00074	17.43%
Mg 279	4269.1	0.547	mg/L	0.0038	0.547	mg/L	0.0038	0.70%
V 292	358.5	0.0021	mg/L	0.00155	0.0021	mg/L	0.00155	73.29%
Al 308	202.4	0.0252	mg/L	0.00519	0.0252	mg/L	0.00519	20.55%
Be 313	-1313.4	-0.0069	mg/L	0.00777	-0.0069	mg/L	0.00777	112.95%
Ca 318	207381.0	2.64	mg/L	0.004	2.64	mg/L	0.004	0.15%
Cu 325	1307.0	0.0052	mg/L	0.00019	0.0052	mg/L	0.00019	3.58%
Ag 328	-465.5	0.0031	mg/L	0.00011	0.0031	mg/L	0.00011	3.46%

Sequence No.: 99 Autosampler Location: 82
Sample ID: G1090-2-10C dup SDx5 Date Collected: 7/30/2009 02:23:20 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: G1090-2-10C dup SDx5

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: G1090-2-10C dup SDx5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	54.3	0.0046	mg/L	0.00050	0.0046	mg/L	0.00050	10.99%
Tl 191	-0.5	0.0003	mg/L	0.00124	0.0003	mg/L	0.00124	362.41%
Se 196	-8.5	0.0040	mg/L	0.00035	0.0040	mg/L	0.00035	8.79%
Sb 207	20.0	-0.0028	mg/L	0.00140	-0.0028	mg/L	0.00140	49.22%
Zn 214	7542.5	0.0147	mg/L	0.00053	0.0147	mg/L	0.00053	3.63%
Cd 214	87.1	0.0025	mg/L	0.00012	0.0025	mg/L	0.00012	4.81%
Pb 220	-37.4	0.0033	mg/L	0.00327	0.0033	mg/L	0.00327	97.64%
Co 229	-185.0	0.0011	mg/L	0.00079	0.0011	mg/L	0.00079	71.00%
Ni 232	498.1	0.0022	mg/L	0.00005	0.0022	mg/L	0.00005	2.42%
Ba 234	-366.6	0.0138	mg/L	0.00011	0.0138	mg/L	0.00011	0.82%
Mn 258	9329.1	0.0042	mg/L	0.00013	0.0042	mg/L	0.00013	3.15%
Fe 260	214.7	0.0250	mg/L	0.00369	0.0250	mg/L	0.00369	14.74%
Cr 268	337.1	0.0034	mg/L	0.00012	0.0034	mg/L	0.00012	3.46%
Mg 279	958.8	0.128	mg/L	0.0093	0.128	mg/L	0.0093	7.30%
V 292	1946.9	0.0064	mg/L	0.00228	0.0064	mg/L	0.00228	35.78%
Al 308	247.0	0.0281	mg/L	0.00763	0.0281	mg/L	0.00763	27.16%
Be 313	-1219.7	-0.0062	mg/L	0.00292	-0.0062	mg/L	0.00292	47.06%
Ca 318	47896.0	0.585	mg/L	0.0120	0.585	mg/L	0.0120	2.06%
Cu 325	9128.8	0.0120	mg/L	0.00033	0.0120	mg/L	0.00033	2.76%
Ag 328	-315.6	0.0032	mg/L	0.00026	0.0032	mg/L	0.00026	8.10%

Sequence No.: 100 Autosampler Location: 8
Sample ID: icsA2 Date Collected: 7/30/2009 02:29:35 AM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: icsA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	163.8	0.0111	mg/L	0.00026	0.0111	mg/L	0.00026	2.36%
Tl 191	2.0	0.0005	mg/L	0.00042	0.0005	mg/L	0.00042	90.79%
Se 196	-312.9	0.0343	mg/L	0.00096	0.0343	mg/L	0.00096	2.81%
Sb 207	198.1	0.0046	mg/L	0.00254	0.0046	mg/L	0.00254	55.26%
Zn 214	8444.8	0.0033	mg/L	0.00014	0.0033	mg/L	0.00014	4.09%
Cd 214	1915.3	-0.0005	mg/L	0.00041	-0.0005	mg/L	0.00041	79.27%
Pb 220	-125.5	0.0012	mg/L	0.00157	0.0012	mg/L	0.00157	133.23%
Co 229	-59.6	0.0016	mg/L	0.00016	0.0016	mg/L	0.00016	9.73%
Ni 232	387.1	0.0017	mg/L	0.00099	0.0017	mg/L	0.00099	58.05%
Ba 234	128.8	0.0145	mg/L	0.00011	0.0145	mg/L	0.00011	0.76%
Mn 258	2120.3	0.0021	mg/L	0.00041	0.0021	mg/L	0.00041	19.30%
Fe 260	8638722.9	105	mg/L	1.0	105	mg/L	1.0	0.99%
Cr 268	1789.4	0.0061	mg/L	0.00061	0.0061	mg/L	0.00061	10.12%
Mg 279	331461.4	42.0	mg/L	0.40	42.0	mg/L	0.40	0.96%
V 292	1471.9	0.0051	mg/L	0.00063	0.0051	mg/L	0.00063	12.28%
Al 308	1613827.4	103	mg/L	0.6	103	mg/L	0.6	0.53%
Be 313	-1032.1	-0.0048	mg/L	0.00680	-0.0048	mg/L	0.00680	141.06%
Ca 318	3244492.2	41.7	mg/L	0.63	41.7	mg/L	0.63	1.51%
Cu 325	3526.2	0.0072	mg/L	0.00049	0.0072	mg/L	0.00049	6.77%
Ag 328	169.5	0.0038	mg/L	0.00021	0.0038	mg/L	0.00021	5.38%

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Sequence No.: 101
Sample ID: icsB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/30/2009 02:35:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: icsB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5390.2	0.321	mg/L	0.0039	0.321	mg/L	0.0039	1.21%
Tl 191	5737.0	0.288	mg/L	0.0016	0.288	mg/L	0.0016	0.56%
Se 196	3933.9	0.343	mg/L	0.0024	0.343	mg/L	0.0024	0.70%
Sb 207	7450.6	0.306	mg/L	0.0016	0.306	mg/L	0.0016	0.51%
Zn 214	152814.1	0.293	mg/L	0.0026	0.293	mg/L	0.0026	0.89%
Cd 214	221796.7	0.297	mg/L	0.0017	0.297	mg/L	0.0017	0.57%
Pb 220	11894.9	0.297	mg/L	0.0022	0.297	mg/L	0.0022	0.73%
Co 229	66767.9	0.282	mg/L	0.0029	0.282	mg/L	0.0029	1.05%
Ni 232	66046.2	0.290	mg/L	0.0019	0.290	mg/L	0.0019	0.64%
Ba 234	744100.2	0.994	mg/L	0.0120	0.994	mg/L	0.0120	1.20%
Mn 258	1057957.2	0.296	mg/L	0.0006	0.296	mg/L	0.0006	0.20%
Fe 260	8395174.5	102	mg/L	0.9	102	mg/L	0.9	0.90%
Cr 268	166905.8	0.305	mg/L	0.0007	0.305	mg/L	0.0007	0.24%
Mg 279	317058.4	40.2	mg/L	0.13	40.2	mg/L	0.13	0.32%
V 292	114604.3	0.309	mg/L	0.0015	0.309	mg/L	0.0015	0.48%
Al 308	1551945.4	99.5	mg/L	0.64	99.5	mg/L	0.64	0.64%
Be 313	40441.1	0.299	mg/L	0.0049	0.299	mg/L	0.0049	1.63%
Ca 318	3087347.6	39.7	mg/L	0.59	39.7	mg/L	0.59	1.50%
Cu 325	352276.8	0.310	mg/L	0.0047	0.310	mg/L	0.0047	1.51%
Ag 328	236496.2	0.288	mg/L	0.0044	0.288	mg/L	0.0044	1.54%

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Sequence No.: 102
Sample ID: ccv9
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 94
Date Collected: 7/30/2009 02:42:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv9

Analyte	Back Pressure	Flow
All	268.0 kPa	0.70 L/min

Mean Data: ccv9

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	8936.1	0.532	mg/L	0.0012	0.532	mg/L	0.0012	0.23%
Tl 191	10114.4	0.508	mg/L	0.0030	0.508	mg/L	0.0030	0.58%
Se 196	7108.4	0.525	mg/L	0.0006	0.525	mg/L	0.0006	0.11%
Sb 207	12678.3	0.523	mg/L	0.0071	0.523	mg/L	0.0071	1.36%
Zn 214	254937.8	0.510	mg/L	0.0024	0.510	mg/L	0.0024	0.47%
Cd 214	387246.5	0.527	mg/L	0.0020	0.527	mg/L	0.0020	0.37%
Pb 220	20706.5	0.514	mg/L	0.0037	0.514	mg/L	0.0037	0.72%
Co 229	119809.2	0.505	mg/L	0.0054	0.505	mg/L	0.0054	1.06%
Ni 232	118272.9	0.519	mg/L	0.0009	0.519	mg/L	0.0009	0.18%
Ba 234	1901781.3	2.52	mg/L	0.026	2.52	mg/L	0.026	1.03%
Mn 258	1827192.7	0.511	mg/L	0.0030	0.511	mg/L	0.0030	0.58%
Fe 260	213204.5	2.61	mg/L	0.004	2.61	mg/L	0.004	0.14%
Cr 268	281245.0	0.512	mg/L	0.0012	0.512	mg/L	0.0012	0.24%
Mg 279	20731.5	2.63	mg/L	0.017	2.63	mg/L	0.017	0.65%
V 292	194354.4	0.524	mg/L	0.0064	0.524	mg/L	0.0064	1.23%
Al 308	39836.4	2.57	mg/L	0.009	2.57	mg/L	0.009	0.36%
Be 313	68027.3	0.501	mg/L	0.0068	0.501	mg/L	0.0068	1.36%
Ca 318	197622.6	2.51	mg/L	0.004	2.51	mg/L	0.004	0.15%
Cu 325	561381.4	0.492	mg/L	0.0029	0.492	mg/L	0.0029	0.59%
Ag 328	412748.2	0.499	mg/L	0.0004	0.499	mg/L	0.0004	0.08%

Sequence No.: 103
Sample ID: ccb9
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 95
Date Collected: 7/30/2009 02:48:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb9

Analyte	Back Pressure	Flow
All	269.0 kPa	0.70 L/min

Mean Data: ccb9

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	80.6	0.0061	mg/L	0.00107	0.0061	mg/L	0.00107	17.44%
Tl 191	-61.7	-0.0027	mg/L	0.00107	-0.0027	mg/L	0.00107	39.12%
Se 196	-23.1	0.0029	mg/L	0.00095	0.0029	mg/L	0.00095	32.89%
Sb 207	81.5	-0.0003	mg/L	0.00167	-0.0003	mg/L	0.00167	626.91%
Zn 214	299.5	0.0001	mg/L	0.00032	0.0001	mg/L	0.00032	258.57%
Cd 214	-77.5	0.0022	mg/L	0.00046	0.0022	mg/L	0.00046	20.47%
Pb 220	118.3	0.0072	mg/L	0.00112	0.0072	mg/L	0.00112	15.57%
Co 229	-152.8	0.0012	mg/L	0.00134	0.0012	mg/L	0.00134	107.89%
Ni 232	-15.8	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	97.04%
Ba 234	-352.8	0.0139	mg/L	0.00017	0.0139	mg/L	0.00017	1.24%
Mn 258	1835.7	0.0021	mg/L	0.00048	0.0021	mg/L	0.00048	22.99%
Fe 260	429.4	0.0276	mg/L	0.00000	0.0276	mg/L	0.00000	0.00%
Cr 268	577.4	0.0039	mg/L	0.00050	0.0039	mg/L	0.00050	12.76%
Mg 279	54.3	0.0135	mg/L	0.00339	0.0135	mg/L	0.00339	25.17%
V 292	164.9	0.0016	mg/L	0.00118	0.0016	mg/L	0.00118	74.14%
Al 308	110.6	0.0194	mg/L	0.00404	0.0194	mg/L	0.00404	20.87%
Be 313	-562.9	-0.0014	mg/L	0.00389	-0.0014	mg/L	0.00389	280.40%
Ca 318	-140.5	-0.0328	mg/L	0.00171	-0.0328	mg/L	0.00171	5.20%
Cu 325	2081.6	0.0059	mg/L	0.00031	0.0059	mg/L	0.00031	5.19%
Ag 328	-166.6	0.0034	mg/L	0.00061	0.0034	mg/L	0.00061	17.89%