

REPORT OF FINDINGS
FOR
IR SITE 13
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

MARCH 20, 2008

CONTRACT NO.: N62470-05-D-6200

CATLIN PROJECT NO.: 207-081



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**REPORT OF FINDINGS
IR SITE 13
MARINE CORPS BASE, CAMP LEJEUNE
NORTH CAROLINA**

A. EXECUTIVE SUMMARY

Installation Restoration (IR) Site 13 is an approximately 10 acre parcel located at the intersection of Brewster Boulevard and Charles Street aboard Marine Corps Base (MCB), Camp Lejeune, in Onslow County, North Carolina. The site was used in 1944 as a disposal area for debris including clippings, branches, and some asphalt associated with golf course construction. No hazardous wastes or materials were reportedly deposited at the site. "No Further Action" status was applied to the site in 1983 following the submittal of an Initial Site Assessment. Details of this study were not available for review prior to the preparation of this Preliminary Site Assessment (PSA). Catlin Engineers and Scientists (CATLIN) was contracted by Osage of Virginia Incorporated (OSAGE) to conduct this PSA at the subject site to substantiate the "No Further Action" status.

Eight soil borings were installed across the site and representative soil samples collected from each boring. Temporary monitoring wells were installed into three borings and representative groundwater samples were collected from each. Soil and groundwater samples were analyzed by GEL Laboratories, LLC located in Charleston, South Carolina for the following: Volatile Organics + Isopropyl Ether (IPE) + Methyl tertiary butyl ether (MTBE) per Environmental Protection Agency (EPA) Method 8260; Semi-Volatile Organics (Base/Neutral/Acid (BNA) Extractables) per EPA Method 8270; Pesticides per EPA Method 8081; Polychlorinated Biphenyls (PCB's) per EPA Method 8082; Chlorinated Herbicides per EPA Method 8151; and Total Resource Conservation and Recovery Act (RCRA) Metals per EPA Method 6010B and 7470A. Laboratory analysis included Level IV CLP-like data validation.

Analytical soil results were compared to applicable United States Environmental Protection Agency (US EPA) Region 9 Industrial Risk Preliminary Remediation Goals (PRG), North Carolina Inactive Hazardous Sites Branch Soil Remediation Goals (SRG), and North Carolina Hazardous Waste Section (NC HWS) Soil Screening Levels (SSL). Soil sample results indicated no compounds above any of the listed regulatory compliance levels.

Groundwater laboratory results were compared to North Carolina Administrative Code T15A:02L Groundwater Quality Standards (2L GWQS). No target compounds were confirmed at concentrations above established 2L GWQS. However, 4,4'-DDE was identified at an estimated concentration of 0.00745 μ g/L in groundwater sample MR13-MW01. There is no established 2L GWQS for 4,4'-DDE therefore any concentration above the MDL is considered reportable.

No additional assessment is recommended for the project site.

B. PURPOSE OF INVESTIGATION

"No Further Action" was applied to the site in 1983 following the submittal of an Initial Site Assessment. Details of this study were not available for review prior to the preparation of this PSA. CATLIN was contracted by OSAGE to conduct this PSA at the subject site to substantiate the "No Further Action" status applied to the site.

C. SCOPE OF WORK

This project involved the advancement of eight soil borings using direct push technologies (DPT) for soil sample retrieval and the installation of three temporary monitoring wells (TMWs) to facilitate the collection of representative groundwater samples. The TMWs were installed with a combination of DPT and traditional hollow-stem auger drilling practices. Due to the heavily wooded terrain, a Central Mine Equipment (CME) drilling rig mounted on an all terrain vehicle (ATV) was used for tooling advancement. Boring and TMW positions were located using a Global Positioning System (GPS) and were spaced across the subject site in an approximate grid pattern to provide adequate coverage of the site. Hollow-stem auger drilling and DPT techniques are detailed in the CATLIN Standard Methods of Investigation included in Appendix A.

D. SOIL INVESTIGATION

Soil boring installation was conducted between December 20 and December 27, 2007. Eight soil borings (IR13-SB01 through IR13-SB08) were advanced to depths ranging from 12 to 14 feet below land surface (BLS). Soil samples were collected continuously using four-foot long stainless steel samplers with 1.5 inch diameter clear acetate liners. Each sample was logged by the field geologist then the sample was split in two and representative samples placed into pre-labeled plastic bags. One sample was placed immediately on ice pending selection for laboratory analysis then the second sample was left undisturbed and subsequently screened with a flame ionization detector (FID). Borings were advanced in accordance with CATLIN Standard Methods of Investigation included in Appendix A. Soil boring locations are presented on Figure 2.

Soil samples for general site characterization were obtained continuously from each borehole starting at the ground surface. Soils were described in the field by a geologist, trained in using visual/manual techniques as described in American Society for Testing and Material (ASTM) D-2488. The soils were classified in accordance with the Unified Soils Classification System (USCS) and a boring record of each borehole was produced. Boring logs are provided in Appendix B.

Field observations noted during boring installation indicate site soils to be comprised generally of interbedded fine sand and clayey sand.

All sampling was conducted in general accordance with CATLIN's Standard Methods, a copy of which has been provided in Appendix A. As required, soil

samples were collected using an EnCore sampling apparatus, labeled with site location, borehole ID, date/time, and sampler and placed on ice in a cooler. Soil samples were shipped under proper Chain-of-Custody protocol to GEL Laboratories, LLC located in Charleston, South Carolina for the following analysis:

- Volatile Organics + Isopropyl Ether (IPE) + Methyl tertiary butyl ether (MTBE) per Environmental Protection Agency (EPA) Method 8260.
- Semi-Volatile Organics (Base/Neutral/Acid (BNA) Extractables) per EPA Method 8270.
- Pesticides per EPA Method 8081.
- Polychlorinated Biphenyls (PCB's) per EPA Method 8082.
- Chlorinated Herbicides per EPA Method 8151
- Total Resource Conservation and Recovery Act (RCRA) Metals per EPA Method 6010B and 7470A

Laboratory analysis included Level IV CLP-like data validation. Due to the immense amount of data, the raw laboratory and validation data are not attached. The soil sample results can be summarized as follows:

EPA METHODS 8260 AND 8270

For regulatory compliance, the laboratory results were compared to NC Inactive Hazardous Sites Branch SRGs, NC Hazardous Waste Section SSLs, and US EPA Region 9 Industrial Risk PRGs. No EPA Method 8260 or 8270 analytes were identified in any of the soil samples at concentrations above established SRGs, SSLs, or PRGs (Standards). However, Ethyl ether was identified in samples IR13-SB04 (6-8') and IR13-SB06 (6-8') at estimated concentrations of 0.419 milligrams per kilogram (mg/kg) and 0.368 mg/kg, respectively. There are no established Standards for Ethyl ether therefore any detectible concentration above the Method Detection Limit (MDL) is considered reportable. EPA Methods 8260 and 8270 laboratory soil results and applicable compliance levels are summarized on Table 1.

EPA METHODS 8081 AND 8151

Laboratory analytical results for EPA Methods 8081 and 8151 reported that no target analytes were identified at concentrations above MDLs. A summary of the laboratory analytical reports for EPA Methods 8081 and 8151 laboratory soil results is presented on Table 2.

EPA METHODS 6010B AND 7470A

Review of the laboratory data as summarized on Table 3 indicates that numerous RCRA Metals were identified in each of the soil samples submitted for laboratory analysis. With the exception of mercury reported at a concentration of 129 µg/kg in the sample collected from IR13-SB04 at a depth of six to eight feet BLS, none of the identified metals were reported at concentrations above the established Standards. However, based on review of the laboratory data and discussions with GEL

personnel a decision was made to re-analyze the IR13-SB04 sample for Mercury due to non-homogeneity of the initial analyzed sample. The re-analysis of the sample resulted in a reported Mercury concentration of 12.6 µg/kg which is below the lowest applicable Standard (SSL) of 15.4 µg/kg. Barium was identified in all soil submitted soil samples at concentrations ranging from 0.76 mg/kg to 9.3 mg/kg. There is no established SRG for barium therefore any concentration identified above the MDL is considered reportable. The reported Barium concentrations are substantially below the established SSL and PRG of 848 mg/kg and 100,000 mg/kg, respectively.

E. GROUNDWATER INVESTIGATION

Collection of groundwater samples was accomplished by installing temporary wells into soil borings IR13-SB01, IR13-SB02, and IR13-SB03. Due to the large volume of water necessary for laboratory analysis, hollow-stem augers were advanced in the soil borings to facilitate the installation of two-inch diameter well screen in place of the proposed one-inch diameter material. Temporary Monitoring Wells IR13-MW01, IR13-MW02, and IR13-MW03 were installed to depths of 13 feet, 14 feet, and 13 feet BLS, respectively. However, on January 14, 2008 TMWs IR13-MW02 and IR13-MW03 were removed and reinstalled to 20 feet BLS after attempts to collect the necessary amount of water for the groundwater samples was unsuccessful due to low to no recharge during development and purging. The TMWs were renamed IR13-MW02A and IR13-MW03A. However, due to a miscommunication with the laboratory, the groundwater samples collected from IR13-MW02A and IR13-MW03A were labeled IR13-SB02 and IR13-SB03, respectively. Temporary monitoring well locations are presented on Figure 2. Well construction as-built details and NCDENR - Division of Water Quality (DWQ) Non-residential Well Construction Records and Well Abandonment Records are included in Appendix B.

Groundwater samples were collected via peristaltic pump and clear polyethylene tubing in accordance with CATLIN Standard Methods of Investigation included in Appendix A. Samples were immediately placed on ice in the appropriate pre-labeled glassware then shipped under proper Chain-of-Custody protocol to GEL Laboratories, LLC located in Charleston, South Carolina for analysis per the following analysis:

- Volatile Organics + Isopropyl Ether (IPE) + Methyl tertiary butyl ether (MTBE) per Environmental Protection Agency (EPA) Method 8260.
- Semi-Volatile Organics (Base/Neutral/Acid (BNA) Extractables) per EPA Method 8270.
- Pesticides per EPA Method 8081.
- Polychlorinated Biphenyls (PCB's) per EPA Method 8082.
- Chlorinated Herbicides per EPA Method 8151
- Total Resource Conservation and Recovery Act (RCRA) Metals per EPA Method 6010

Laboratory analysis included Level IV CLP-like data validation. Due to the immense amount of data, the raw laboratory and validation data are not attached. For regulatory compliance, results were compared to the 2L GWQS. The groundwater sample laboratory results are summarized as follows:

EPA METHODS 8260 AND 8270

The only EPA Method 8260 or 8270 compounds reported above established 2L GWQS are Benzo(b)fluoranthene and bis(2-Ethylhexyl)phthalate identified in the groundwater sample collected from TMW IR13-MW03 at estimated concentrations of 0.723 and 3.52 µg/L, respectively. However, these analytes were not identified in the groundwater sample collected from TMW IR13-MW03A that was installed in the same location as IR13-MW03 but to a deeper depth. No additional EPA 8260 or 8270 analytes were identified at concentrations above established 2L GWQS. EPA Method 8260 and 8270 groundwater laboratory results and applicable compliance levels are summarized on Table 4.

EPA METHODS 8081 and 8151

Laboratory analytical results for EPA Methods 8081 and 8151 reported no target analytes at concentrations above established 2L GWQS. However, 4,4'-DDE was identified at an estimated concentration of 0.00745 µg/L in groundwater sample MR13-MW01. There is no established 2L GWQS for 4,4'-DDE therefore any concentration above the MDL is considered reportable. A summary of the groundwater laboratory analytical reports for EPA Methods 8081 and 8151 is presented on Table 5.

EPA METHOD 6010B and 7470A

Review of groundwater sample results summarized on Table 6 reveals that no EPA 6010B analytes were identified at concentrations above established 2L GWQS.

F. RECOMMENDATIONS

Based on the findings of this investigation, the No Further Action status applied previously to this site appears substantiated.

G. LIMITATIONS

The soil and groundwater samples analyzed as part of this investigation only provide isolated data points and may not represent conditions at every location in the project area. Analyses and conclusions of this report, being based on interpolation between data points at the project area, may not be completely representative of all site conditions. Conclusions and recommendations of this investigation and report are based on the best available data in an effort to comply with current regulatory requirements.

TABLES

TABLE 1
SUMMARY OF SOIL LABORATORY RESULTS
- EPA METHODS 8260 AND 8270

Incident Name: IR Site 13

Sample ID	Contaminant of Concern		bis(2-Ethylhexyl)phthalate	Trichlorofluoromethane	Ethyl ether	Acetone	Methylene chloride	2-Butanone	Toluene	Ethylbenzene	Xylenes (total)	Styrene	1,2,4-Trimethylbenzene	Naphthalene	Chloroform	All other 8260 & 8270 Analytes
	Date Collected	Sample Depth (feet)														
SRG			35,000	78,000	NE	2,800,000	9,100	4,400,000	132,000	380,000	54,000	880,000	NE	11,200	220	VARIES
NC HWS SSL			6,670	315,000	NE	2,810	22	692	7,270	241	4,960	2,240	7,490	585	1.01	VARIES
US EPA Region 9 Industrial Risk PRG			180,000	2,000,000	NE	6,200,000	21,000	28,000,000	520,000	230,000	210,000	1,700,000	170,000	190,000	520	VARIES
IR13-SB01 (4-6')	12/28/07	4-6	BDL	BDL	BDL	4.02 J	20.2	BDL	0.73 J	BDL	0.413 J	BDL	BDL	BDL	BDL	BDL
IR13-SB02 (4-8')	12/28/07	4-8	244	BDL	BDL	4.6 J	10.4	BDL	0.534 J	BDL	0.372 J	0.234 J	BDL	BDL	0.472 J	BDL
IR13-SB03 (7-9')	12/28/07	7-9	497	BDL	BDL	BDL	11.8	BDL	0.834 J	BDL	0.438 J	BDL	BDL	BDL	BDL	BDL
IR13-SB04 (6-8')	12/27/07	6-8	BDL	9.7	0.419 J	26.9	4.12 J	27.1	1.61	0.269 J	0.848 J	0.868 J	0.312 J	BDL	BDL	BDL
IR13-SB05 (6-8')	12/27/07	6-8	BDL	1.67	BDL	5.17	2.71 J	64.8	1.53	0.235 J	0.818 J	2.04	0.295 J	BDL	BDL	BDL
IR13-SB06 (6-8')	12/27/07	6-8	BDL	BDL	0.368 J	BDL	9.6	BDL	0.31 J	BDL	BDL	1.07	BDL	BDL	BDL	BDL
IR13-SB07 (4-6')	12/28/07	4-6	267	BDL	BDL	BDL	11.3	BDL	1.98	0.421 J	1.29	0.44 J	0.862 J	BDL	BDL	BDL
IR13-SB08 (4-8')	12/28/07	4-8	404	BDL	BDL	BDL	7.98	BDL	BDL	BDL	BDL	BDL	0.364 J	0.365 J*	BDL	BDL

All results and standards in milligrams per kilogram (mg/kg).

NE = None Established

BDL = Below Detection Limit (Non-Detect)

J = Estimated value

* = Estimated value identified in EPA 8260B analysis. EPA 8270 result = BDL

PRG = Preliminary Remediation Goal

SRG = NC Inactive Hazardous Sites Branch Soil Remediation Goal

NC HWS SSL = North Carolina Hazardous Waste Section Soil Screening Level

TABLE 2
SUMMARY OF SOIL LABORATORY RESULTS
- EPA METHODS 8081 AND 8151

Incident Name: IR Site 13

Sample ID	Contaminant of Concern →		All Analytes
	Date Collected	Sample Depth (feet)	
SRG NC HWS SSL US EPA Region 9 Industrial Risk PRG			Varies
IR13-SB01 (4-6')	12/28/2007	4-6	BDL
IR13-SB02 (4-8')	12/28/2007	4-8	BDL
IR13-SB03 (7-9')	12/28/2007	7-9	BDL
IR13-SB04 (6-8')	12/27/2007	6-8	BDL
IR13-SB05 (6-8')	12/27/2007	6-8	BDL
IR13-SB06 (6-8')	12/27/2007	6-8	BDL
IR13-SB07 (4-6')	12/28/2007	4-6	BDL
IR13-SB08 (4-8')	12/28/2007	4-8	BDL

BDL = Below Detection Limit (Non-Detect)

PRG = Preliminary Remediation Goal

SRG = NC Inactive Hazardous Sites Branch Soil Remediation Goal

NC HWS SSL = North Carolina Hazardous Waste Section Soil Screening Level

TABLE 3
SUMMARY OF SOIL LABORATORY RESULTS
- EPA METHODS 6010B AND 7470A

Incident Name: IR Site 13

Sample ID	Contaminant of Concern →		Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Mercury (µg/kg)	Selenium (mg/kg)	Silver (mg/kg)
	Date Collected	Sample Depth (feet)								
SRG			4.4	NE	7.4	44	400	4,600	78	78
NC HWS SSL			5.24	848	2.72	27.2	270	15.4	12.2	0.223
US EPA Region 9 Industrial Risk PRG			2.70	100,000	810	450	800	610,000	10,000	10,000
IR13-SB01 (4-6')	12/28/2007	4-6	1.9	6.5	BDL	5	4.1 *	3.6 B	3.3	BDL
IR13-SB02 (4-8')	12/28/2007	4-8	2.4	5.9	BDL	7.5	4.5 *	3 B	4.3	BDL
IR13-SB03 (7-9')	12/28/2007	7-9	1.3 B	4	BDL	4.2	3.9 *	4.2 B	3.1	BDL
IR13-SB04 (6-8')	12/27/2007	6-8	1 B	10 *	BDL	6.3	4.3	12.6 H**	1.5 B	BDL
IR13-SB05 (6-8')	12/27/2007	6-8	3.3	7.4 *	BDL	8.5	4.8	2.1 *EN	1.8	BDL
IR13-SB06 (6-8')	12/27/2007	6-8	1.1 B	5.8 *	BDL	4.2	3.6	BDL	BDL	BDL
IR13-SB07 (4-6')	12/28/2007	4-6	0.76 B	3.7	BDL	2.8	4.7 *	8.2 B	BDL	BDL
IR13-SB08 (4-8')	12/28/2007	4-8	2.1	9.3	BDL	6.6	4.3 *	4.7 B	4.1	BDL

All results and standards in milligrams per kilogram (mg/kg) except mercury. Mercury results in micrograms per kilogram (µg/kg).

NE = None Established

BDL = Below Detection Limit (Non-Detect)

* = A quality control analyte recovery is outside of specified acceptance criteria

** = Initial results of 129 µg/L suspect. Sample re-analyzed.

B = Target analyte was detected in the associated blank

E = % difference of sample SD is > 10%. Sample concentration must meet flagging criteria

N = The Matrix spike sample recovery is not within specified control limits

H = Analyte holding time was exceeded

PRG = Preliminary Remediation Goal

SRG = North Carolina Inactive Hazardous Sites Branch Soil Remediation Goal

NC HWS SSL = North Carolina Hazardous Waste Section Soil Screening Level

TABLE 4
SUMMARY OF GROUNDWATER LABORATORY RESULTS
- EPA METHODS 8260 AND 8270

Incident Name: IR Site 13

Sample ID	Contaminant of Concern →	Acetone	Benzo(b)fluoranthene	Benzoic acid	bis(2-Ethylhexyl)phthalate	Chloroform	Di-n-butylphthalate	Fluoranthene	Phenanthrene	Toluene	ALL OTHER 8260 & 8270 ANALYTES
	Date Collected										
2L GWQS (µg/L)		700	0.0479	28,000*	2.5	70	700	280	210	1,000	VARIES
IR13-MW01	1/2/2008	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
IR13-MW02	1/2/2008	2.15 J	NA	NA	NA	BDL	NA	NA	NA	0.324 J	BDL
IR13-SB02	1/14/2008	NA	BDL	15.4 J	BDL	NA	BDL	BDL	BDL	NA	BDL
IR13-MW03	1/2/2008	BDL	0.723 J	BDL	3.52 J	0.526 J	4.52 J	0.49 J	0.266 J	BDL	BDL
IR13-SB03	1/14/2008	NA	BDL	BDL	BDL	NA	BDL	BDL	BDL	NA	BDL

All results and standards in micrograms per liter (µg/L).

BDL = Below Detection Limit (Non-Detect)

NE = None Established

NA = Not Analyzed

Bold values exceed 2L GWQS

* = Interim maximum allowable concentration

J = Estimated Value

Note: Temporary monitoring wells IR13-MW02 and IR13-MW03 reinstalled and resampled as IR13-SB02 and IR13-SB03, respectively.

TABLE 5
SUMMARY OF GROUNDWATER LABORATORY RESULTS
- EPA METHODS 8081A AND 8082

Incident Name: IR Site 13

Sample ID	Contaminant of Concern →	4,4'-DDD	4,4'-DDE	Additional 8081 & 8082 Compounds
	Date Collected			
2L GWQS (µg/L)		0.14	NE	Varies
IR13-MW01	1/2/2008	0.00623 J	0.00745 J	BDL
IR13-SB02*	1/14/2008	BDL	BDL	BDL
IR13-SB03*	1/14/2008	BDL	BDL	BDL

All results in micrograms per liter (µg/L).

NE = None Established

BDL = Below Detection Limit (Non-Detect)

BDL = Below Detection Limit

* = Temporary monitoring wells IR13-MW02 and IR13-MW03 reinstalled and resampled as IR13-SB02 and IR13-SB03, respectively. Sample hold time on groundwater sample collected in IR13-SB03 on 1/11/08 exceeded.

J = Estimated value

TABLE 6
SUMMARY OF GROUNDWATER LABORATORY RESULTS
- EPA METHODS 6010B AND 7470A

Incident Name: IR Site 13

Sample ID	Contaminant of Concern →	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
	Date Collected								
2L GWQS (µg/L)		50	2,000	1.75	50	15	1.05	50	17.5
IR13-MW01	1/2/2008	21.2	33.0	BDL	2.4 B	BDL	BDL	16.8	BDL
IR13-MW02	1/2/2008	NA	NA	NA	NA	NA	NA	NA	NA
IR13-SB02*	1/14/2008	22.0	96.7	1.50 B	28.0 B	15.0	0.024 B	BDL	BDL
IR13-MW03	1/2/2008	BDL	18.1	BDL	1.1 B	BDL	BDL	BDL	BDL
IR13-SB03	1/14/2008	NA	NA	NA	NA	NA	NA	NA	NA

All results in micrograms per liter (µg/L).

NE = None Established

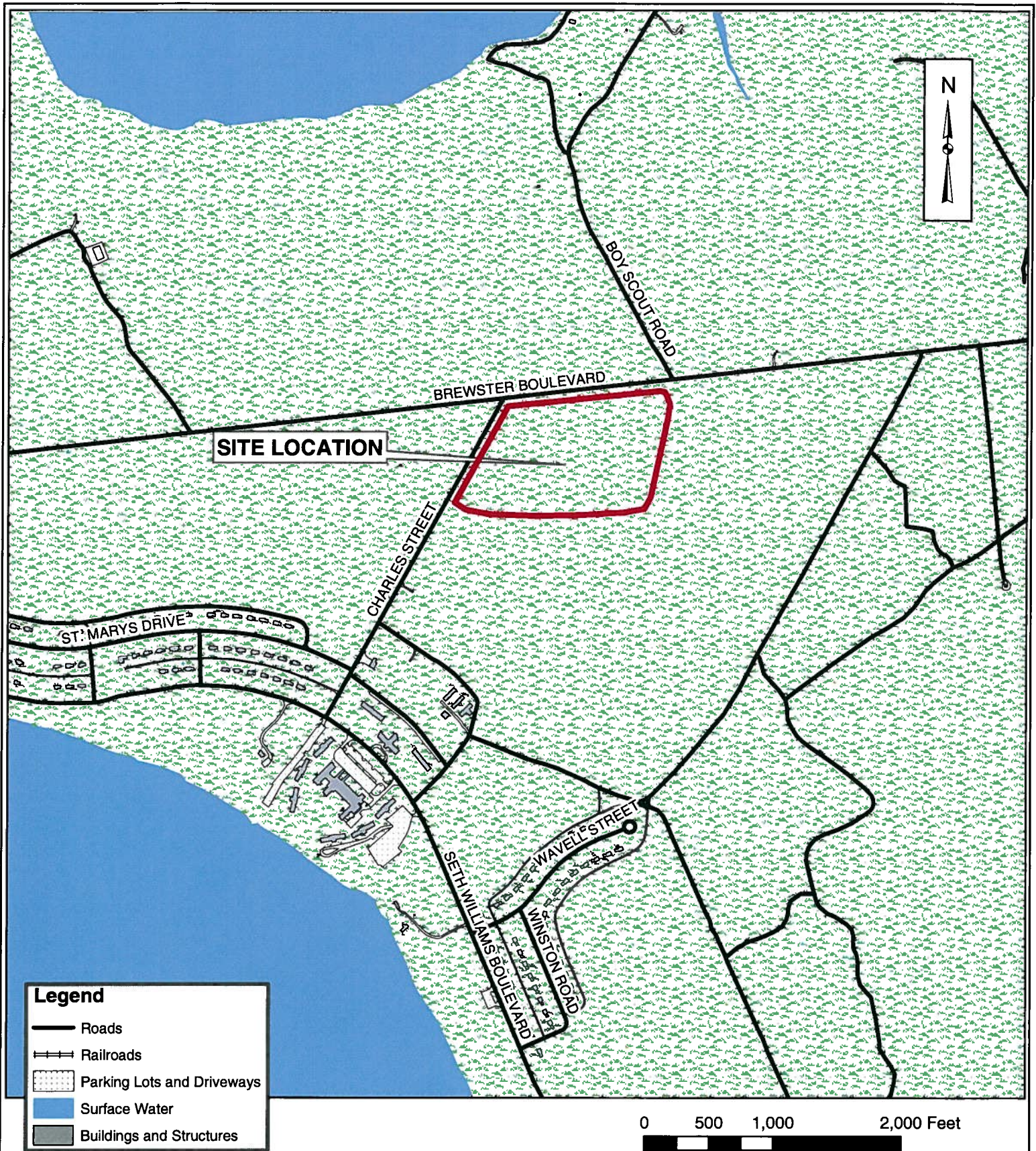
NA = Not Analyzed

BDL = Below Detection Limit (Non-Detect)

* = Temporary monitoring wells IR13-MW02 and IR13-MW03 reinstalled and resampled as IR13-SB02 and IR13-SB03, respectively.

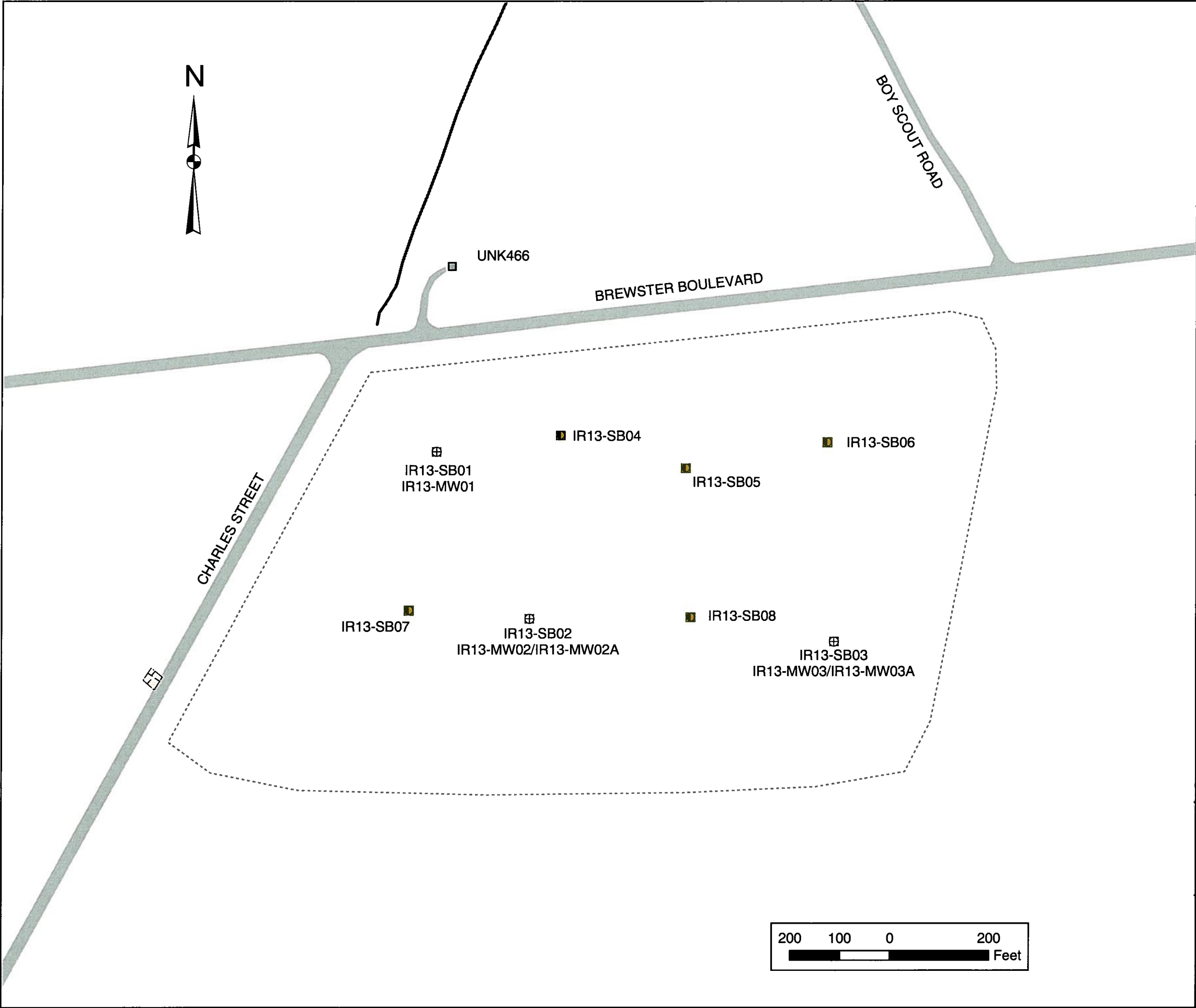
B = Target analyte was detected in the associated blank

FIGURES



Data Sources: Data Layers provided by MCB Camp Lejeune GIS Office.

	PROJECT IR SITE 13 REPORT OF FINDINGS MCB CAMP LEJEUNE, NC		TITLE SITE VICINITY MAP			FIGURE
	JOB NO. 207-081	DATE MAR 2008	SCALE AS SHOWN	DRAWN BY KAWS	CHECKED BY SVH	1



MCB CAMP LEJEUNE



LEGEND

- ⊕ Temporary Monitoring Well
- IR Site 13 Soil Boring
- Roads
- Creeks and Streams
- - - IR Site 13
- ▬ Buildings and Structures
- ▬ Demolished Structures



IR SITE 13
REPORT OF FINDINGS
MCB CAMP LEJEUNE, NC

FIGURE
2

Job No.: 207-081	Date: MAR 2008	Scale: AS SHOWN	Drawn By: KAWS	Checked By: SVH

APPENDIX A

**CATLIN STANDARD METHODS OF
INVESTIGATION**

CATLIN STANDARD METHODS OF INVESTIGATION

1.0 DATA COLLECTION

1.1 BACKGROUND DATA

Background data and history information relevant to the site investigation is generated through numerous sources. These sources may include, but are not limited to, the following:

- Conversations with the client and regulatory officials involved with the incident.
- Review of pertinent regulatory correspondence.
- Review of previous and existing reports and other technical data.
- Review of available historical records.

1.2 SURVEYS AND POTENTIAL RECEPTOR DATA

Physical survey and potential receptor data are collected in accordance with the intended level of investigation. In general, the purpose is to collect sufficient information for site assessment and corrective action planning.

Individual receptors are identified and evaluated in the context of their potential for contaminant impact. Potential receptors of contamination can include surface water bodies, groundwater supply wells, wellhead protection areas, and subsurface building structures.

1.2.1 Horizontal Survey

Horizontal survey data are generated using either accepted general field surveying techniques, or existing survey maps; or by using a combination of existing data and field generated information. The survey area generally extends to a point at least 50 feet beyond suspected plume boundaries. A receptor scale survey of a larger area surrounding a site will be made if appropriate and necessary.

1.2.2 Vertical Survey

A vertical survey is conducted at the site typically within an accuracy of 0.01 foot. The datum plane is generally assumed unless otherwise noted. Assumed temporary benchmarks (TBM) are selected near ground level. The vertical survey includes such points as top of all well casings, selected ground shots, important utility inverts, utility fluid levels, important surface water levels, and other items determined to be significant.

1.3 DRILLING AND MONITORING WELL/PIEZOMETER INSTALLATION

Necessary permits are applied for and obtained in accordance with federal, state, and local requirements prior to drilling or well construction activities. Additionally, the well locations are scanned for underground utilities prior to conducting intrusive subsurface activities. Wells are installed under applicable licensing requirements, and are designed and constructed in accordance with accepted standards and practices. Any wells purposely installed at off-site locations are permitted through appropriate right-of-entry agreements with all necessary property owners and/or their agents.

1.3.1 Drilling Methods and Subsurface Data Collection

Drilling is accomplished utilizing one or more of the following methods:

Auger Drilling

Auger drilling is the preferred, most often used method of subsurface investigation and is accomplished using a vehicle or trailer mounted drill rig. Continuous flight auger types used vary upon the site and situation; ranging from the 4-inch outside diameter solid stem to the 12-inch outside diameter hollow stem. Auger type is selected based upon appropriateness and/or site-specific requirements.

Hand Augering

Hand augering is utilized when economically and scientifically feasible, or when no other method is suitable. Hand augers typically produce three-inch diameter holes and are generally limited to depths of less than 15 feet.

Direct Push

Direct push methods of subsurface investigation are used generally for soil screening purposes or collection of groundwater samples where permanent wells are not viable.

Other Methods

Other drilling methods, such as mud and air rotary, rock coring, cable tool, and large bucket augering are used when site conditions or project requirements dictate.

Regardless of the drilling method used, the drill rig(s) and all drilling tools are thoroughly cleaned between boreholes to prevent cross introduction of contaminants. Split spoon samples are collected and field-described at intervals of five feet or less, and cuttings are continuously monitored for organic vapors. Drill cuttings are containerized for off-site disposal or are spread on the ground surface in proximity to the well or boring in accordance with North Carolina Department of Environment and Natural Resources (NCDENR) requirements. A geologist or engineer, trained in using visual/manual techniques, is always present during drilling and is

responsible for subsurface contaminant and geologic data collection. Soils are classified in general agreement with the Unified Soils Classification System (USCS).

1.3.2 Hydropunch Installation

Hydropunch penetrometers (Hydropunches) are used to delineate the spatial extent of dissolved and free phase plumes. Soil borings are advanced to the appropriate depth and then the Hydropunch is advanced through the soil boring into undisturbed material. Groundwater samples are collected by pulling back on the body of the Hydropunch and allowing the groundwater to enter the screened portion of the sample chamber. Samples are retrieved using a decontaminated Teflon bailer or peristaltic pump.

1.3.3 Well Installation

Wells are typically constructed of threaded PVC casing and screen. No glues or cements are used in joining PVC components. Well diameter, slot sizes, and protective covers vary depending upon site-specific conditions or situation-specific requirements.

1.3.4 Well Development

Wells are developed by over-pumping or surging using appropriate pumps, blocks, or bailers. Through development, unwanted fine materials are removed from the natural formation surrounding the well. Well development will be performed no sooner than 24-hours after grouting is completed for the Type III wells. Water generated during development is containerized and properly disposed or is discharged onto the ground in proximity of the well in accordance with NCDENR requirements.

1.4 HYDROGEOLOGIC DATA COLLECTION

Data used to help characterize hydrogeologic conditions at a site are obtained through various procedures including, but not necessarily limited to, those described below:

1.4.1 Regional Geology

Information pertaining to the regional geologic framework is compiled from existing publications, maps, and scientific papers.

1.4.2 Site Geology

Shallow site geology is generally determined from field descriptions and borehole samples. Interpretations with regard to hydrogeologically important contacts, zones, fractures, faults, cleavage, and facies changes are made when possible.

1.4.3 Groundwater Occurrence and Characteristics

Groundwater data is obtained utilizing a number of methods and procedures, not limited to the general list below:

Well Water Levels

After well development, wells are allowed to stabilize for a minimum of 24 hours prior to measuring. Water level and free product thickness (where applicable) measurements are performed using an electronic interface probe or steel tape with water/product finding pastes.

The specific gravity of any accumulated product is determined and used to calculate true hydraulic grade from measured water levels. This information is combined with vertical survey data to determine relative potentiometric surface elevations for all wells.

Aquifer Testing

Various aquifer tests may be used to make determinations of hydraulic conductivity. Slug or pumping tests are often used to characterize site hydrogeologic conditions and to develop remedial action alternatives utilizing appropriate pumping technologies.

Other Methods

Other methods may be deemed appropriate for determining various groundwater characteristics. These other methods may include nested well configurations and/or clustered piezometer installations; sieve or pipette analysis; fracture trace analysis; computer modeling; and geophysical logging.

1.5 PETROLEUM HYDROCARBON DATA COLLECTION

1.5.1 Collection Methods

Petroleum hydrocarbon data is obtained through various methods including, but not limited to, the following:

Field Analysis

- Direct thickness measurement of phase separated components using tapes and/or probes.
- Manual vapor analysis using a photoionization detector (PID) or flame ionization detector (FID).
- Detectable odor and visual observation.

Laboratory Analysis

- Laboratory analysis of phase-separated products.

- Laboratory vapor, soil, and groundwater analysis using appropriate EPA Methods.

1.5.2 Field Sampling

Field sampling procedures are performed in accordance with recommended protocol, accepted industry standards, and under appropriate chain-of-custody procedures. Generally, sampling procedures are as follows:

Product Samples

Product samples are obtained using clean equipment and containers. Each is shipped to the analytical laboratory in protective containers.

Vapor Samples

PID/FID readings are measured from soil sample headspace using containerized samples that have been brought to ambient temperature.

Carbon tubes are utilized in conjunction with a laboratory-calibrated vacuum pump to obtain vapor samples. The carbon tubes are sealed and refrigerated for shipment to the analytical laboratory (This method is known as the Carbon Adsorption Method).

Soil Samples

Soil samples are immediately packed into clean containers, and refrigerated for shipment to the analytical laboratory.

Groundwater Samples

Groundwater samples are collected in accordance with the following procedures:

- Creeks/Lakes/Etc.

Grab samples are obtained.

- Domestic Wells

Wells are pumped for a time sufficient to completely purge the well and any pressure or holding tanks prior to sampling.

- Monitoring Wells

Water level measurements are made and well volumes calculated for each well.

Three well volumes are removed from each well using a thoroughly cleaned Teflon bailer or appropriate purging pump. If it is not possible to

remove three volumes, due to very low yields, a minimum of one volume is removed prior to obtaining a sample.

Where analysis for metals is required, wells are typically sampled utilizing low flow techniques, which reduce turbidity and the potential for matrix interference.

Samples are collected and containerized in a manner that minimizes agitation and contact with the air.

Sampling records are field prepared.

Samples are labeled and proper Chain-of-Custody documents are maintained.

Samples are promptly protectively packed, refrigerated, and shipped to the analytical laboratory for analysis.

2.0 DATA EVALUATION

Data obtained as a result of the site investigation is compiled and evaluated and a report is prepared for client review and distribution to the appropriate agencies. Generally, specific data are evaluated as follows:

- Background data are evaluated in context with the suspected or confirmed problem.
- Survey data are utilized to develop site maps and to evaluate contaminant receptors.
- Well construction records are compiled and presented as part of the report. As-built information is used in combination with other data to evaluate subsurface conditions and monitoring well screen settings as they relate to the investigation.
- Subsurface drilling logs are used to develop geologic cross-sections, fence diagrams, isopaths, structure contours, or other constructions. Regional geologic data are used to obtain an overall framework.
- Hydrogeologic data are used to develop contour maps, flow nets and other constructions. The data is also used to calculate various hydrogeologic parameters that describe aquifer characteristics.
- Hydrocarbon data are utilized to develop various plume geometry and isoconcentration maps.
- All data are compiled and utilized for making specific recommendations with regard to remedial action alternatives.

APPENDIX B

BORING LOGS, TEMPORARY MONITORING WELL CONSTRUCTION DETAILS, AND NORTH CAROLINA WELL CONSTRUCTION AND ABANDONMENT RECORDS

WELL LOG

CATLIN

ENGINEERS and SCIENTISTS

207-081
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 207-081	STATE: NC	COUNTY: Onslow	LOCATION: Camp Lejeune
PROJECT NAME: IR SITE 13 LSA		LOGGED BY: Justin Heter	WELL ID: IR13-SB01/ MW01
NORTHING: 3843914.5		EASTING: 282562.5	CREW: A. Chance
SYSTEM: UTM NAD83 (m)		BORING LOCATION: see map	
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW: ~7	T.O.C. ELEV.: 13.0
START DATE: 12/27/07	FINISH DATE: 12/27/07	24 HOUR DTW:	WELL DEPTH: 13.0

DEPTH	BLOW COUNT				OVA (ppm)	LAB.	U S C S	L O G	SOIL AND ROCK DESCRIPTION	WELL DETAIL
	6in	6in	6in	6in						
0.0									0.0 LAND SURFACE	2.0
					0.1		SP		Brown to dark brown fine SAND w/ high organic content w/ trace CLAY. No odor. Moist.	2.0
4.0					0.0	1420 (12/27 VOC) 1400 (12/28 other)	SP		Brown to gray fine SAND w/ trace CLAY. Moist.	3.0
6.0					0.0		SC		Gray CLAYEY SAND. Moderate plasticity. Soft. Wet @ 7'.	4.0
8.0					0.0		SC		Gray CLAYEY SAND. Saturated.	8.0
										12.0
									Boring Terminated at Depth 13.0 ft Clayey SAND.	12.5
									Temporary Monitoring Well IR13-MW01	13.0



Bentonite Pellets



Native Backfill

CATLIN BORING LOG 207-081 IR SITE 13 GPL TEST GDT 3/14/08

 Native Backfill

PROJECT NO.: 207-081	STATE: NC	COUNTY: Onslow	LOCATION: Camp Lejeune
PROJECT NAME: IR SITE 13 LSA		LOGGED BY: Justin Heter	WELL ID: IR13-MW02A
		DRILLER: Bobbie D. Fowler	
NORTHING: 3843813.0	EASTING: 282618.7	CREW: A. Chance	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: see map		T.O.C. ELEV.:
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 20.0
START DATE: 1/14/08	FINISH DATE: 1/14/08	24 HOUR DTW:	WELL DEPTH: 20.0

DEPTH	BLOW COUNT				OVA (ppm)	LAB.	U S C S	L O G	SOIL AND ROCK DESCRIPTION	WELL DETAIL
	6in	6in	6in	6in						
0.0									LAND SURFACE	2.0 0.0
4.0							SP		Brownish-gray to dark brown fine SAND. High organic content. Dense. No odor. Moist.	2" Sch. 40 PVC 4.0
8.0							SP/ SC		Brown and gray fine SAND to CLAYEY SAND. Medium dense. No odor. Moist.	5.0
10.0							SM		Light gray SILTY SAND. Uniform. Medium dense. Moist. Saturated at 9.5'.	
12.0							SC		Gray CLAYEY SAND. Loose. No odor. Saturated.	2" Sct. 010 Sch. 40 PVC 19.5 20.0
									Boring Terminated at Depth 20.0 ft Clayey SAND. Temporary Monitoring Well IR13-MW02 removed and reinstalled to depth 20ft. as IR13-MW02A.	20.0



Bentonite Pellets



Native Backfill

WELL LOG

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207-081
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 207-081	STATE: NC	COUNTY: Onslow	LOCATION: Camp Lejeune
PROJECT NAME: IR SITE 13 LSA		LOGGED BY: Justin Heter	WELL ID: IR13-SB03/ MW03
NORTHING: 3843799.5	EASTING: 282804.9	DRILLER: Bobbie D. Fowler	
SYSTEM: UTM NAD83 (m)		CREW: A. Chance	
BORING LOCATION: see map		T.O.C. ELEV.:	
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW: ~11	TOTAL DEPTH: 13.0
START DATE: 12/27/07	FINISH DATE: 12/27/07	24 HOUR DTW:	WELL DEPTH: 13.0

DEPTH	BLOW COUNT				OVA (ppm)	LAB.	U S C S	L O G	DEPTH	SOIL AND ROCK DESCRIPTION	WELL DETAIL
6in	6in	6in	6in								
0.0									0.0	LAND SURFACE	2.0
					0.0		SP		2.0	Dark brown SANDw/ organic debris. Loose. Moist.	2" Sch. 40 PVC
							SM		4.0	Brown SILTY SAND. Medium dense. No odor. Moist.	3.0
4.0					0.0		SP		6.0	Brown fine SAND. Uniform. Dense. No odor. Moist.	
6.0					0.0	(7-9") 1430 (12/27 VOC) 1410 (12/28 other)	SM		8.0	Light gray very fine SAND to SILTY SAND. Medium dense. No odor. Moist.	2" Spt. 010 Sch. 40 PVC
8.0					0.0		SP/ SC		10.0	Brown and gray fine SAND to SILTY SAND w/ some CLAYEY SAND. Medium dense. No odor. Moist.	
10.0					0.0		SP		12.0	Gray to dark brown fine SAND. Medium dense. No odor. Wet @ 11'.	
											12.5
											13.0
										Boring Terminated at Depth 13.0 ft Fine SAND.	
										Temporary Monitoring Well IR13-MW03 removed and reinstalled to depth of 20ft. as IR13-SB02.	



Bentonite Pellets



Native Backfill

CATLIN BORING LOG 207-081 IR SITE 13 GPL TEST GDT 3/14/08

SHEET 1 OF 1

 Native Backfill

CATLIN BORING LOG 207-081 IR SITE 13.GPJ TEST.GDT 3/20/08

BORING LOG

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Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 207-081	STATE: NC	COUNTY: Onslow	LOCATION: Camp Lejeune
PROJECT NAME: IR SITE 13 LSA		LOGGED BY: Justin Heter	BORING ID:
		DRILLER: Bobbie D. Fowler	IR13-SB04
NORTHING: 3,843,925.4	EASTING: 282,637.9	CREW: A. Chance	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: see map		LAND ELEV.: NM
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW: 8.0	BORING DEPTH: 12.0
START DATE: 12/20/07	FINISH DATE: 12/20/07	24 HOUR DTW:	ROCK DEPTH: --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm)	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
0.0			0 1000 2000 3000 4000				0.0	LAND SURFACE	
		D	▲3.1		SP/SC			Organic debris layer over brown fine SAND w/ trace CLAY. Medium dense. No odor. Dry.	
4.0		M	▲0.0		SP/SC		4.0	Gray to dark brown fine SAND w/ few CLAYEY SAND. Medium dense. No odor. Moist.	
6.0		M	▲0.0	1435 (12/20 VOC) 0920 (12/26 other)	SC/CL		6.0	Gray CLAYEY SAND w/ some CLAY. No odor. Moist.	
8.0		W	▲0.0	▽			8.0		
10.0					SC			Gray CLAYEY SAND w/ limestone and shell fragments. Soft. Low plasticity. No odor. Wet. Saturated at 10'.	
		Sat.	▲0.0						
12.0							12.0	Boring Terminated at Depth 12.0 ft Clayey SAND w/ limestone fragments.	

▽ = 0hr. DTW

▼ = 24hr. DTW

BORING LOG

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Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 207-081	STATE: NC	COUNTY: Onslow	LOCATION: Camp Lejeune
PROJECT NAME: IR SITE 13 LSA		LOGGED BY: Justin Heter	BORING ID:
		DRILLER: Bobbie D. Fowler	IR13-SB05
NORTHING: 3,843,905.0	EASTING: 282,713.7	CREW: A. Chance	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: see map		LAND ELEV.: NM
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW: 11.5	BORING DEPTH: 12.0
START DATE: 12/20/07	FINISH DATE: 12/20/07	24 HOUR DTW:	ROCK DEPTH: --

DEPTH	BLOW COUNT	MOI.	OVA RESULTS (ppm)	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
	0.5 0.5 0.5 0.5		0 1000 2000 3000 4000				0.0	LAND SURFACE	
0.0									
					SP			Organic debris/SAND layer.	
		M	▲0.0				2.0		
					SM			Light brown SILTY SAND. Uniform. No odor. Moist.	
4.0							4.0		
		M	▲0.0						
					SM			Light brown SILTY SAND into slight reddish-brown @ 6'.	
6.0				1430 (12/20 VOC)					
		M	▲0.0	0930 (12/26 other)			8.0		
8.0									
		M	▲0.0						
10.0					SP/SM			Redish-brown to light tan/white uniform fine SAND to SILTY SAND. Moist.	
		W	▲0.0						
12.0							12.0		
								Boring Terminated at Depth 12.0 ft Fine SAND to SILTY SAND.	

▽ = 0hr. DTW

▼ = 24hr. DTW

CATLIN ENVIRO. LOG-207-081 IR SITE-13.GPJ CATLIN.GDT 3/14/08

BORING LOG

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207-081
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 207-081	STATE: NC	COUNTY: Onslow	LOCATION: Camp Lejeune
PROJECT NAME: IR SITE 13 LSA		LOGGED BY: Justin Heter	BORING ID:
		DRILLER: Bobbie D. Fowler	IR13-SB06
NORTHING: 3,843,921.2	EASTING: 282,801.5	CREW: A. Chance	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: see map		LAND ELEV.: NM
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW: 11.0	BORING DEPTH: 12.0
START DATE: 12/20/07	FINISH DATE: 12/20/07	24 HOUR DTW:	ROCK DEPTH: --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm)	LAB.	U S C S	L O G	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
0.0			0 1000 2000 3000 4000				0.0	LAND SURFACE	
		M			SP			Dark brown organic layer.	
2.0		M	▲0.0		SM		2.0		
								Light brown to brown SILTY SAND.	
								Uniform. Medium dense. No odor. Moist.	
4.0		M	▲0.0		SM		4.0		
								Light tan SILTY SAND. Uniform. Medium	
								dense. Moist.	
6.0		M	▲0.0		SP		6.0		
				1440 (12/20 VOC) 0945 (12/26 other)				Light brown fine SAND. Uniform. Medium	
								dense. No odor. Moist.	
8.0		M	▲0.0		SP		8.0		
									
									
10.0		M	▲0.0		SP			Brown to light tan fine SAND. Uniform.	
								Medium dense. Moist. Grades into trace	
								CLAY and wet @ 11'.	
		W	▲0.0						
12.0							12.0		
								Boring Terminated at Depth 12.0 ft	
								Fine SAND w/ trace CLAY.	

▽ = 0hr. DTW

▼ = 24hr. DTW

BORING LOG

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ENGINEERS and SCIENTISTS

207-081
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 207-081	STATE: NC	COUNTY: Onslow	LOCATION: Camp Lejeune
PROJECT NAME: IR SITE 13 LSA		LOGGED BY: Justin Heter	BORING ID: IR13-SB07
NORTHING: 3,843,817.9	EASTING: 282,545.2	DRILLER: Bobbie D. Fowler	
SYSTEM: UTM NAD83 (m)		CREW: A. Chance	
BORING LOCATION: see map		LAND ELEV.: NM	
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW: 7.0	BORING DEPTH: 12.0
START DATE: 12/27/07	FINISH DATE: 12/27/07	24 HOUR DTW:	ROCK DEPTH: --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm)	LAB.	U S C S	L O G	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
0.0			0 1000 2000 3000 4000				0.0	LAND SURFACE	
		M	▲1.5		SP/ SM			Gray to dark gray fine to SILTY SAND w/ high organic content. Moist.	
4.0		W	▲0.8	1435 (12/25 VOC) 1415 (12/28 other)	SP/ SC		4.0	Dark gray fine SAND w/ few CLAYEY SAND to CLAY. No odor. Medium dense. Wet.	
6.0		Sat.	▲0.5		SC		6.0	Gray SANDY CLAY to CLAYEY SAND. Saturated @ 7'.	
8.0		Sat.	▲0.4		SC		8.0	Gray CLAYEY SAND. Uniform. Loose. Saturated.	
12.0							12.0	Boring Terminated at Depth 12.0 ft Clayey SAND.	

▽ = 0hr. DTW

▼ = 24hr. DTW

BORING LOG

CATLIN

ENGINEERS and SCIENTISTS

207-081
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 207-081	STATE: NC	COUNTY: Onslow	LOCATION: Camp Lejeune
PROJECT NAME: IR SITE 13 LSA		LOGGED BY: Justin Heter	BORING ID:
		DRILLER: Bobbie D. Fowler	IR13-SB08
NORTHING: 3,843,813.8	EASTING: 282,716.8	CREW: A. Chance	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: see map		LAND ELEV.: NM
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW: NM	BORING DEPTH: 12.0
START DATE: 12/27/07	FINISH DATE: 12/27/07	24 HOUR DTW:	ROCK DEPTH: --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm)	LAB.	U S C S	L O G	SOIL AND ROCK DESCRIPTION	ELEVATION
0.0			0 1000 2000 3000 4000				LAND SURFACE	0.0
		M	▲0.0		SP/ SM		Dark brown fine SAND w/ organic debris into brown SILTY SAND. Uniform. Loose. Moist.	
4.0		M	▲0.3	1440 (12/27 VOC) 1420 (12/28 other)	SP		Brown and gray fine SAND w/ some CLAYEY SAND. Uniform. Medium dense. No odor. Moist.	4.0
8.0		M	▲0.0		SP		Interlayered brown and gray fine SAND w/ trace CLAYEY SAND. Medium dense. No odor. Moist.	8.0
12.0							Boring Terminated at Depth 12.0 ft Fine SAND w/ trace CLAY.	

▽ = 0hr. DTW

▼ = 24hr. DTW

CATLIN ENVIRO. LOG-207-081 IR SITE 13.GPJ CATLIN.GDT 3/14/08



Non RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2869

1. WELL CONTRACTOR: <u>Bobbie D. Fowler</u> Well Contractor (Individual) Name <u>CATLIN Engineers and Scientists</u> Well Contractor Company Name <u>220 Old Dairy Road</u> STREET ADDRESS <u>Wilmington</u> <u>North Carolina</u> <u>28405</u> City or Town State Zip Code <u>(910) - 452-5861</u> Area code - Phone number	d. TOP OF CASING IS <u>2</u> FT. Above Land Surface* * Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118
2. WELL INFORMATION SITE WELL ID # (if applicable): <u>IR13-SB02/ MW02</u> STATE WELL PERMIT # (if applicable): <u>N/A</u> DWQ or OTHER PERMIT # (if applicable): <u>N/A</u> WELL USE (Check Applicable Box): Monitoring ☒ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐ Irrigation ☐ Other ☐ (list use): _____ DATE DRILLED: <u>12/27/2007</u> TIME COMPLETED: <u>12:00</u> AM ☐ PM ☒	e. YIELD (gpm): <u>N/A</u> METHOD OF TEST: <u>N/A</u> f. DISINFECTION: Type <u>N/A</u> Amount: <u>N/A</u> g. WATER ZONES (depth): From _____ To _____ From _____ To _____ From _____ To _____ From _____ To _____ From _____ To _____ From _____ To _____
3. WELL LOCATION: CITY: <u>Camp Lejeune</u> COUNTY: <u>Onslow</u> <u>Corner of Brewster Blvd. and Charles St.,</u> (Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code) TOPOGRAPHIC / LAND SETTING Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____ NORTHING: <u>3,843,813.0</u> EASTING: <u>282,618.7</u> UTM NAD83 (m) Latitude/longitude source: ☒ GPS ☐ Topo. map (Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)	6. CASING: Depth Diameter Thickness/Weight Material From <u>0</u> To <u>3</u> ft. <u>2"</u> <u>Sch. 40</u> <u>PVC</u> From _____ To _____ ft. " _____ From _____ To _____ ft. " _____ 7. GROUT: Depth Material Method From _____ To _____ Ft. _____ From <u>0</u> To <u>2</u> Ft. _____ From _____ To _____ Ft. _____ 8. SCREEN: Depth Diameter Slot Size Material From <u>3</u> To <u>12.5</u> Ft. <u>2</u> in. <u>Slot .010in.</u> <u>PVC</u> From _____ To _____ Ft. _____ in. _____ in. _____ From _____ To _____ Ft. _____ in. _____ in. _____
4. FACILITY - is the name of the business where the well is located. FACILITY ID # (if applicable) <u>N/A</u> NAME OF FACILITY: STREET ADDRESS: <u>Corner of Brewster Blvd. and Charles St.</u> <u>Camp Lejeune</u> <u>NC</u> City or Town State Zip Code CONTACT PERSON: <u>Mr. Andrew Smith</u> STREET ADDRESS: <u>Attn: I&E/ EMD/ EQB/ PSC Box 20004</u> <u>Camp Lejeune</u> <u>NC</u> <u>28542-0004</u> City or Town State Zip Code <u>(910)- 451-9017</u> Area code - Phone number	9. SAND/GRAVEL PACK: Depth Size Material From _____ To _____ Ft. _____ From <u>2</u> To <u>13</u> Ft. _____ <u>Natural Backfill</u> From _____ To _____ Ft. _____ 10. DRILLING LOG From _____ To _____ Formation Description _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ SEE ATTACHED _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ 11. REMARKS: <u>TEMPORARY MONITROING WELL</u> _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER. <u>Bobbie D. Fowler</u> <u>3-14-08</u> SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE <u>Bobbie D. Fowler</u> PRINTED NAME OF PERSON CONSTRUCTING THE WELL



Non RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2869

1. WELL CONTRACTOR:

Bobbie D. Fowler

Well Contractor (Individual) Name

CATLIN Engineers and Scientists

Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington North Carolina 28405

City or Town State Zip Code

(910) - 452-5861

Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): IR13-MW02A

STATE WELL PERMIT #(if applicable): N/A

DWQ or OTHER PERMIT # (if applicable): N/A

WELL USE (Check Applicable Box): Monitoring ☒ Municipal/Public ☐

Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐

Irrigation ☐ Other ☐ (list use):

DATE DRILLED: 01/14/2008

TIME COMPLETED: 11:00 AM ☒ PM ☐

3. WELL LOCATION:

CITY: Camp Lejeune COUNTY: Onslow

Corner of Brewster Blvd. and Charles St.,

(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING

Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,843,813.0

EASTING: 282,618.7

UTM NAD83 (m)

May be in degrees,
minutes, seconds, or
in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map

(Location of well must be shown on a USGS topo map and
attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A

NAME OF FACILITY:

STREET ADDRESS: Corner of Brewster Blvd. and Charles St.

Camp Lejeune NC

City or Town State Zip Code

CONTACT PERSON: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune NC 28542-0004

City or Town State Zip Code

(910)- 451-9017

Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 20

b. DOES WELL REPLACE EXISTING WELL? YES ☒ NO ☐

c. WATER LEVEL Below Top of Casing: _____ FT.

(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 2 FT. Above Land Surface*

* Top of casing terminated at/or below land surface requires
a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A METHOD OF TEST: N/A

f. DISINFECTION: Type N/A Amount: N/A

g. WATER ZONES (depth):

From _____ To _____ From _____ To _____

From _____ To _____ From _____ To _____

From _____ To _____ From _____ To _____

6. CASING:

Depth	Diameter	Thickness/ Weight	Material
From 0 To 5 ft.	2"	Sch. 40	PVC
From _____ To _____ ft.	"		
From _____ To _____ ft.	"		

7. GROUT:

Depth	Material	Method
From _____ To _____ Ft.		
From 0 To 4 Ft.		
From _____ To _____ Ft.		

8. SCREEN:

Depth	Diameter	Slot Size	Material
From 5 To 19.5 Ft.	2 in.	Slot .010in.	PVC
From _____ To _____ Ft.	in.	in.	
From _____ To _____ Ft.	in.	in.	

9. SAND/GRAVEL PACK:

Depth	Size	Material
From _____ To _____ Ft.		
From 4 To 20 Ft.		Natural Backfill
From _____ To _____ Ft.		

10. DRILLING LOG

From To Formation Description

SEE
ATTACHED

11. REMARKS:

REPLACEMENT WELL - TEMPORARY

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH
15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS
RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Bobbie D. Fowler 3-14-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

Bobbie D. Fowler
PRINTED NAME OF PERSON CONSTRUCTING THE WELL



WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2869

1. WELL CONTRACTOR:

Bobbie D. Fowler

Well Contractor (Individual) Name

CATLIN Engineers and Scientists

Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington North Carolina 28405

City or Town State Zip Code

(910) - 452-5861

Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): IR13-SB01/ MW01

STATE WELL PERMIT # (if applicable): N.A.

COUNTY WELL PERMIT # (if applicable): N.A.

DWQ or OTHER PERMIT # (if applicable):

WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐

Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐

Recovery ☐ Injection ☐ Irrigation ☐

Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:

NEAREST TOWN: Camp Lejeune

Corner of Brewster Blvd. and Charles St.,

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING

Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,843,914.5

EASTING: 282,562.5

UTM NAD83 (m)

May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: ☒ GPS ☐ Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b.
(If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID # (if applicable)

NAME OF FACILITY:

STREET ADDRESS: Corner of Brewster Blvd. and Charles St.

Camp Lejeune North Carolina

City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune NC 28542-0004

City or Town State Zip Code

(910) 451-9017

Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 13 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 10 ft.

Measuring point is 2.0 ft. above land surface

6. CASING:

a. Casing Depth (if known): Length 3 ft. Diameter 2 in.

b. Casing Removed: 3 ft. 2 in.

7. DISINFECTION: N/A

(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Cement _____ lb.

Water _____ gal.

Sand Cement

Cement _____ lb.

Water _____ gal.

Bentonite

Bentonite 15 lb.

Type: Slurry _____ Pellets ☒

Water 2 gal.

Other

Type material _____

Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Well removed and hole backfilled with bentonite pellets to surface.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 1/14/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Bobbie D. Fowler 3-14-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

Bobbie D. Fowler

PRINTED NAME OF PERSON ABANDONING THE WELL



WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2869

1. WELL CONTRACTOR:

Bobbie D. Fowler

Well Contractor (Individual) Name

CATLIN Engineers and Scientists

Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington

North Carolina

28405

City or Town

State

Zip Code

(910) - 452-5861

Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): IR13-SB02/ MW02

STATE WELL PERMIT # (if applicable): N.A.

COUNTY WELL PERMIT # (if applicable): N.A.

DWQ or OTHER PERMIT # (if applicable):

WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐

Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐

Recovery ☐ Injection ☐ Irrigation ☐

Other (list use):

3. WELL LOCATION:

COUNTY: Onslow

QUADRANGLE:

NEAREST TOWN: Camp Lejeune

Corner of Brewster Blvd. and Charles St.

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING

Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,843,813.0

EASTING: 282,618.7

UTM NAD83 (m)

May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: GPS Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b.
(If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID # (if applicable)

NAME OF FACILITY:

STREET ADDRESS: Corner of Brewster Blvd. and Charles St.

Camp Lejeune

North Carolina

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune

NC

28542-0004

City or Town

State

Zip Code

(910) 451-9017

Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 13 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 13.5 ft.

Measuring point is 2.0 ft. above land surface

6. CASING:

Length

Diameter

a. Casing Depth (if known):

3 ft.

2 in.

b. Casing Removed:

4 ft.

2 in.

7. DISINFECTION: N/A

(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Cement _____ lb.

Water _____ gal.

Sand Cement

Cement _____ lb.

Water _____ gal.

Bentonite

Bentonite _____ lb.

Type: Slurry _____ Pellets _____

Water _____ gal.

Other

Type material _____

Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Well removed and replacement well installed in same hole to deeper depth.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 1/14/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Bobbie D. Fowler 3-14-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

Bobbie D. Fowler

PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-167, Phone No. (919) 733-7015 ext 568.

Modified from
Form GW-30
Rev. 5/06



WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2869

1. WELL CONTRACTOR:

Bobbie D. Fowler

Well Contractor (Individual) Name

CATLIN Engineers and Scientists

Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington

North Carolina

28405

City or Town

State

Zip Code

(910) - 452-5861

Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): IR13-MW02A

STATE WELL PERMIT # (if applicable): N.A.

COUNTY WELL PERMIT # (if applicable): N.A.

DWQ or OTHER PERMIT # (if applicable):

WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐

Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐

Recovery ☐ Injection ☐ Irrigation ☐

Other (list use):

3. WELL LOCATION:

COUNTY: Onslow

QUADRANGLE:

NEAREST TOWN: Camp Lejeune

Corner of Brewster Blvd. and Charles St.

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING

Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,843,813.0

EASTING: 282,618.7

UTM NAD83 (m)

May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: GPS Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b.
(If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID # (if applicable)

NAME OF FACILITY:

STREET ADDRESS: Corner of Brewster Blvd. and Charles St.

Camp Lejeune

North Carolina

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune

NC

28542-0004

City or Town

State

Zip Code

(910) 451-9017

Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 20 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 14 ft.

Measuring point is 2.0 ft. above land surface

6. CASING:

a. Casing Depth (if known): Length 5 ft. Diameter 2 in.

b. Casing Removed: Length 5 ft. Diameter 2 in.

7. DISINFECTION: N/A

(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Cement _____ lb.
Water _____ gal.

Sand Cement

Cement _____ lb.
Water _____ gal.

Bentonite

Bentonite 20 lb.
Type: Slurry _____ Pellets X
Water 3 gal.

Other

Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Well removed and hole backfilled with bentonite pellets to surface.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 1/14/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Bobbie D. Fowler 3.14.08
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

Bobbie D. Fowler

PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568.

Modified from
Form GW-30
Rev. 5/06



WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2869

1. WELL CONTRACTOR:

Bobbie D. Fowler

Well Contractor (Individual) Name

CATLIN Engineers and Scientists

Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington

North Carolina

28405

City or Town

State

Zip Code

(910) - 452-5861

Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): IR13-SB03/ MW03

STATE WELL PERMIT # (if applicable): N.A.

COUNTY WELL PERMIT # (if applicable): N.A.

DWQ or OTHER PERMIT # (if applicable):

WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐

Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐

Recovery ☐ Injection ☐ Irrigation ☐

Other (list use):

3. WELL LOCATION:

COUNTY: Onslow

QUADRANGLE:

NEAREST TOWN: Camp Lejeune

Corner of Brewster Blvd. and Charles St.

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING

Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,843,799.5

EASTING: 282,804.9

UTM NAD83 (m)

May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: ☒ GPS ☐ Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID # (if applicable)

NAME OF FACILITY:

STREET ADDRESS: Corner of Brewster Blvd. and Charles St.

Camp Lejeune

North Carolina

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune

NC

28542-0004

City or Town

State

Zip Code

(910) 451-9017

Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 13 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 13 ft.

Measuring point is 2.0 ft. above land surface

6. CASING:

a. Casing Depth (if known): Length 3 ft. Diameter 2 in.

b. Casing Removed: Length 3 ft. Diameter 2 in.

7. DISINFECTION: N/A

(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Cement _____ lb.

Water _____ gal.

Sand Cement

Cement _____ lb.

Water _____ gal.

Bentonite

Bentonite _____ lb.

Type: Slurry _____ Pellets _____

Water _____ gal.

Other

Type material _____

Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Well removed and replacement well installed in same hole to deeper depth.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 1/14/2008

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Bobbie D. Fowler 3-14-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

Bobbie D. Fowler

PRINTED NAME OF PERSON ABANDONING THE WELL



WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2869

1. WELL CONTRACTOR:

Bobbie D. Fowler

Well Contractor (Individual) Name

CATLIN Engineers and Scientists

Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington

North Carolina

28405

City or Town

State

Zip Code

(910) - 452-5861

Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): IR13-MW03A

STATE WELL PERMIT # (if applicable): N.A.

COUNTY WELL PERMIT # (if applicable): N.A.

DWQ or OTHER PERMIT # (if applicable):

WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐

Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐

Recovery ☐ Injection ☐ Irrigation ☐

Other (list use):

3. WELL LOCATION:

COUNTY: Onslow

QUADRANGLE:

NEAREST TOWN: Camp Lejeune

Corner of Brewster Blvd. and Charles St.

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING

Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,843,799.5

EASTING: 282,804.9

UTM NAD83 (m)

May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: ☒ GPS ☐ Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b.
(If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID # (if applicable)

NAME OF FACILITY:

STREET ADDRESS: Corner of Brewster Blvd. and Charles St.

Camp Lejeune

North Carolina

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune

NC

28542-0004

City or Town

State

Zip Code

(910) 451-9017

Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 20 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 14 ft.

Measuring point is _____ ft. above land surface

6. CASING:

Length

Diameter

a. Casing Depth (if known): 5 ft. 2 in.

b. Casing Removed: 5 ft. 2 in.

7. DISINFECTION: N/A

(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Cement _____ lb.

Water _____ gal.

Sand Cement

Cement _____ lb.

Water _____ gal.

Bentonite

Bentonite 20 lb.

Type: Slurry _____ Pellets ☒

Water 3 gal.

Other

Type material _____

Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Well removed and hole backfilled with bentonite pellets to surface.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

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Bobbie D. Fowler 3-14-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C.0113)

Bobbie D. Fowler

PRINTED NAME OF PERSON ABANDONING THE WELL



a member of The GEL Group Inc.

RECEIVED

FEB 08 2008

207-081



PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171 F 843.766.1178

www.gel.com

February 01, 2008

Steve Hudson
Catlin Engineers and Scientists
220 Old Dairy Rd
Wilmington, North Carolina 28405

FILE COPY
Part 1 of 2

Re: IR Site 13 - Catlin Engineers and Scientists
Work Order: 201226

Dear Steve Hudson:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 18, 2008. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4512.

Sincerely,

Ann Skradski
Project Manager

Enclosures

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Case Narrative

CASE NARRATIVE
for
IR Site 13 - Catlin Engineers and Scientists
IR Site 13 - Catlin Engineers and Scientists
SDG: 201226

February 01, 2008

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary

Sample receipt The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on January 18, 2008 for analysis. The samples were delivered with proper chain of custody documentation and signatures. IR13-SB03 with a collect date of 1/14/008 was received broken. All labels on samples had SB instead of MW listed on the Chain of Custody. Shipping container temperature was within specification (4 +/- 2C).

Sample Identification The laboratory received the following samples:

<u>Laboratory ID</u>	<u>Client ID</u>
201226001	IR13-SB02
201226002	IR13-SB03
201226003	IR13-SB03

Case Narrative

Sample analyses were conducted using methodology as outlined in GEL Laboratories, LLC (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

Data Package

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Herbicide, Metals, PCB, Pesticide and Semi-Volatile.

This data package, to the best of my knowledge, is in compliance with technical and administrative requirements.



Ann Skradski

Project Manager

CHAIN OF CUSTODY AND SUPPORTING DOCUMENTATION

Page: _____ of _____ Project #: <u>207-081</u> GEL Quote #: _____ COC Number ⁽¹⁾ : _____ PO Number: <u>Same as previous</u>	GEL Chain of Custody and Analytical Request	GEL Laboratories, LLC 2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178
GEL Work Order Number: <u>201226</u>		

Client Name: Catin	Phone #: 910.457.5861
Sample Analysis Requested ⁽⁵⁾ (Fill in the number of containers for each test)	

[illegible]

Collected by: J. Hester	Send Results To: Steve Hudson / Catlin	Number of	Comments
			Note: extra sample is

[illegible]

TAT Requested: Normal	Rush:	Specify:	Fax Results:	Yes	No	Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4
Demographics: Are there any previous forecasts applicable to these samples? If so, please list the forecasts.						
Sample Collection Time Zone						

Remarks: *Are there any known hazards applicable to these samples? If so, please list the hazards*

Chain of Custody Signatures				Sample Shipping and Delivery Details	
Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1 <i>[Signature]</i>	11/14/08	1730	1 <i>[Signature]</i>	11/18/07	9:15
2			2		
3			3		

GEL PM:		
Method of Shipment:		Date Shipped:
Airbill #:		
Airbill #:		

For Lab Receiving Use Only	
Custody Seal Intact?	YES ☒ NO ☐
Cooler Temp:	4°C

WHITE = LABORATORY



Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: CATL		SDG/ARCOC/Work Order:	
Received By: JP		Date Received: 1/18/07	
Suspected Hazard Information	Yes	No	*If Counts > x2 area background on samples not marked "radioactive", contact the Radiation Safety Group of further investigation.
COC/Samples marked as radioactive?		☒	Maximum Counts Observed*: 60 cpm
Classified Radioactive II by RSO?		☒	
COC/Samples marked containing PCBs?		☒	
Shipped as a DOT Hazardous?		☒	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		☒	

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1 Shipping containers received intact and sealed?	☒			Circle Applicable: damaged container leaking container other (describe) seals broken
2 Samples requiring cold preservation within (4 +/- 2 C)?	☒			Preservation Method: blue ice dry ice none other (describe) ice bags 4°
3 Chain of custody documents included with shipment?	☒			
4 Sample containers intact and sealed?	☒		☒	Circle Applicable: damaged container leaking container other (describe) seals broken (1) IR 13-SB03 1/14/08 15:00 SVOC received broken
5 Samples requiring chemical preservation at proper pH?	☒			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6 VOA vials free of headspace (defined as < 6mm bubble)?		☒		Sample ID's and containers affected:
7 Are Encore containers present?			☒	(If yes, immediately deliver to Volatiles laboratory)
8 Samples received within holding time?	☒			ID's and tests affected:
9 Sample ID's on COC match ID's on bottles?			☒	Sample ID's and containers affected: All ID's SB instead of MW
10 Date & time on COC match date & time on bottles?	☒			Sample ID's affected:
11 Number of containers received match number indicated on COC?	☒			Sample ID's affected:
12 COC form is properly signed in relinquished/received sections?	☒			

Comments:

UPS 1Z49ZSW31397603883

PM (or PMA) review: Initials **AMS** Date **1/18/08**

5

RE: Regarding samples received 18-JAN-08

Subject: RE: Regarding samples received 18-JAN-08
From: "Steve Hudson" <steve.hudson@catlinusa.com>
Date: Mon, 21 Jan 2008 09:22:45 -0500
To: "Ann Skradski" <ann.skradski@gel.com>

Ann,
Yes, please do proceed.
Thanks,
Steve

Steven V. Hudson, P.G., C.W.D.
Project Geologist
Catlin Engineers and Scientists
P.O. Box 10279
Wilmington, NC 28404-0279
(Tel) 910-452-5861
(Fax) 910-452-7563
(E-mail) steve.hudson@catlinusa.com
(Web) www.catlinusa.com

-----Original Message-----
From: Ann Skradski [<mailto:ann.skradski@gel.com>]
Sent: Friday, January 18, 2008 3:47 PM
To: Steve Hudson
Subject: Re: Regarding samples received 18-JAN-08

Steve,

I also forgot to tell you that for IR13-SB03 we received 2 samples for Pesticides. The sample collected on 11-JAN-08 at 14:30 will run out of holding before we even have a chance to prep it. Do you still wish to proceed? The second sample for IR13-SB03 is fine for Pest as it was collected on 14-JAN-08 at 1500.
Thanks,
Ann

Ann Skradski wrote:

Steve,
Good afternoon! Today we received samples for the IR site 13. The samples on the chain have ID's that contain MW, however the labels on the containers have ID's of SB. Please let me know which you would like me to use for reporting purposes. I believe we ran into this problem once before. That time you instructed me to use SB IDs. Secondly for ID IR13-SB03 we received one SVOA container broken. We do have enough sample volume to continue so this won't be an issue. Please let me know how you would like to proceed with the IDs and we are all set!
Thanks!
Ann

--
Ann M. Skradski
Project Manager
GEL Laboratories, LLC
2040 Savage Road
PO Box 30712
Charleston, SC 29417
(843) 769-7386
(843) 766-1178 fax
Ann.Skradski@gel.com

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RE: Regarding samples received 18-JAN-08

Subject: RE: Regarding samples received 18-JAN-08
From: "Steve Hudson" <steve.hudson@catlinusa.com>
Date: Mon, 21 Jan 2008 09:30:23 -0500
To: "Ann Skradski" <ann.skradski@gel.com>

Ann,
Please modify as we did last time by using the SB Ids.
Thank you,
Steve

Steven V. Hudson, P.G., C.W.D.
Project Geologist
Catlin Engineers and Scientists
P.O. Box 10279
Wilmington, NC 28404-0279
(Tel) 910-452-5861
(Fax) 910-452-7563
(E-mail) steve.hudson@catlinusa.com
(Web) www.catlinusa.com

-----Original Message-----
From: Ann Skradski [<mailto:ann.skradski@gel.com>]
Sent: Friday, January 18, 2008 2:13 PM
To: Steve Hudson
Subject: Regarding samples received 18-JAN-08

Steve,
Good afternoon!
Today we received samples for the IR site 13. The samples on the chain have ID's that contain MW, however the labels on the containers have ID's of SB. Please let me know which you would like me to use for reporting purposes. I believe we ran into this problem once before. That time you instructed me to use SB IDs.
Secondly for ID IRL3-SB03 we received one SVOA container broken. We do have enough sample volume to continue so this won't be an issue.

Please let me know how you would like to proceed with the IDs and we are all set!
Thanks!
Ann

--
Ann M. Skradski
Project Manager
GEL Laboratories, LLC
2040 Savage Road
PO Box 30712
Charleston, SC 29417
(843) 769-7386
(843) 766-1178 fax
Ann.Skradski@gel.com

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RE: Regarding samples received 18-JAN-08

by telephone or email if you have received this communication in error
and destroy
the contents that do not pertain to your business with The GEL Group,
INC.

Laboratory Certifications

List of current GEL Certifications as of 01 February 2008

State	Certification
Alaska	UST-062
Arizona	AZ0668
Arkansas	88-0651
CLIA	42D0904046
California	01151CA
Colorado	GenEngLabs
Connecticut	PH-0169
Dept. of Navy	NFESC 413
EPA	WG-15J
Florida/NELAP	E87156
Georgia	E87156 (FL/NELAP)
Hawaii	N/A
Idaho	N/A
Illinois	200029
Indiana	C-SC-01
Kansas	E-10332
Kentucky	90129
Louisiana	03046
Maryland	270
Massachusetts	M-SC012
Michigan	9903
Nevada	SC12
New Jersey	SC002
New Mexico	FL NELAP E87156
New York	11501
North Carolina	233
North Carolina Drinking W	45709
North Dakota	R-158
Oklahoma	9904
Pennsylvania	68-00485
South Carolina	10120001/10585001/10120002
Tennessee	02934
Texas NELAP	T104704235-07-TX
U.S. Dept. of Agriculture	S-52597
US Army Corps of Engineer	N/A
Utah	8037697376 GEL
Vermont	VT87156
Virginia	00151
Washington	C1641

DATA REVIEW QUALIFIER DEFINITIONS

Data Review Qualifier Definitions

Qualifier Explanation

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

< Result is less than value reported

> Result is greater than value reported

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL

A The TIC is a suspected aldol-condensation product

B Target analyte was detected in the associated blank

B Metals-Either presence of analyte detected in the associated blank, or
MDL/IDL < sample value < PQL

BD Results are either below the MDC or tracer recovery is low

C Analyte has been confirmed by GC/MS analysis

D Results are reported from a diluted aliquot of the sample

d 5-day BOD-The 2:1 depletion requirement was not met for this sample

E Organics-Concentration of the target analyte exceeds the instrument calibration range

E Metals-%difference of sample and SD is >10%. Sample concentration must meet flagging criteria

H Analytical holding time was exceeded

h Preparation or preservation holding time was exceeded

J Value is estimated

N Metals-The Matrix spike sample recovery is not within specified control limits

N Organics-Presumptive evidence based on mass spectral library search to make a tentative
identification of the analyte (TIC). Quantitation is based on nearest internal standard
response factor

N/A Spike recovery limits do not apply. Sample concentration exceeds spike concentration
by 4X or more

ND Analyte concentration is not detected above the reporting limit

UI Gamma Spectroscopy-Uncertain identification

X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

Y QC Samples were not spiked with this compound

Z Paint Filter Test-Particulates passed through the filter, however no free liquids were observed.

GC/MS SEMIVOLATILE ANALYSIS

Semi-Volatile Case Narrative
IR Site 13 - Catlin Engineers and Scientists (CATL)
SDG 201226

Method/Analysis Information

Procedure:	Semivolatile Analysis by Gas Chromatograph/Mass Spectrometer
Analytical Method:	SW846 8270C
Prep Method:	SW846 3510C
Analytical Batch Number:	719409
Prep Batch Number:	719408

Sample Analysis

The following samples were analyzed using the analytical protocol as established in SW846 8270C:

Sample ID	Client ID
201226001	IR13-SB02
201226002	IR13-SB03
1201499349	Method Blank (MB)
1201499350	Laboratory Control Sample (LCS)
1201499353	Laboratory Control Sample Duplicate (LCSD)

The samples in this SDG were analyzed on an "as received" basis.

Preparation/Analytical Method Verification

SOP Reference

Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-OA-E-009 REV# 19.

Raw data reports are processed and reviewed by the analyst using the Target software package. False positives have been removed from the Target quantitation reports per standard operating procedures (SOP) section 18.2.

Calibration Information

Please note that the 'Cal Date' indicated on each quantitation report reflects the date and time of the most recent calibrated analyte(s) in the Target processing method. Since the laboratory may calibrate with multiple solutions on different days using the same processing method, the Target software will update the 'Cal Date' to the last calibration file, date and time. The correct dates and times for all calibration files are located on the Calibration History report in the Standard Data section in the data package.

Due to software limitations, the Calibration Summary Form 6 may not indicate all the calibration files comprising the initial calibration. A complete list of the initial calibration data files are shown in the Calibration History report located in the Standard Data section of the data package. Please note that the second level of the initial calibration (5 mg/L) is only used for n-Nitrosodipropylamine. The various calibration mixes may not be calibrated using all of the calibration levels. In addition, not all of the mixes are calibrated using the same levels.

Diphenylamine has now superseded N-Nitroso-diphenylamine as a CCC on Quantitation Reports, Initial Calibration Reports, Calibration Check Standard Reports, etc. Previous versions of EPA Method 8270 (prior to 8270C) listed N-Nitroso-diphenylamine as a CCC. However, as stated in EPA Method 8270C, Revision 3, December, 1996, Section 1.4.5, "N-Nitroso-diphenylamine decomposes in the gas chromatographic inlet and cannot be separated from Diphenylamine." Studies of these two compounds at GEL, both independent of each other and together, show that they not only co-elute, but also have similar mass spectra. N-Nitroso-diphenylamine and Diphenylamine will be reported as Diphenylamine on all reports and forms.

When calibrations are performed for Appendix IX compounds some of the compounds may not be calibrated exactly according to the criteria in Method 8270C. If the %RSD is greater than 15% or the correlation coefficient is less than 0.99 then the analyte is quantitated using the response factor. If the analyte is detected then the sample is re-analyzed for that analyte on an instrument that is compliant with the criteria in the method.

The linear equation used in Target and indicated on the initial calibration summary form is not a conventional linear equation (slope intercept formula) and does not match the equation found in SW-846 method 8000B. The x and y axes are inverted in Target, so that the instrument response is treated as the independent variable (x) and the concentration ratio is treated as the dependent variable (y). The equation used in Target to calculate sample results is adjusted to account for the linear equation inversion and reciprocal slope. The adjusted calculation has been independently verified to produce valid results.

Initial Calibration

All initial calibration requirements have been met for this sample delivery group (SDG). A second source initial calibration verification (ICV) was included in the standard section directly behind the initial calibration.

CCV Requirements

All associated calibration verification standard(s) (ICV or CCV) met the acceptance criteria.

Quality Control (QC) Information

Method Blank (MB) Statement

The MB analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries

The following sample failed surrogate recovery: 201226001 (IR13-SB02). The surrogate failure was confirmed by re-extraction and analysis. The results from this analysis have been reported and the re-extracted raw data have been placed in the Miscellaneous Section of the data report.

Laboratory Control Sample (LCS) Recovery

The LCS spike recoveries met the acceptance limits.

Laboratory Control Sample Duplicate (LCSD) Recovery

The LCSD spike recoveries met the acceptance limits.

LCS/LCSD Relative Percent Difference (RPD) Statement

The RPD(s) between the LCS and LCSD met the acceptance limits.

QC Sample Designation

No matrix spike and matrix spike duplicate were extracted and analyzed with this SDG.

Internal Standard (ISTD) Acceptance

The internal standard responses were within the required acceptance criteria for all samples and QC.

Technical Information

Holding Time Specifications

All samples in this SDG met the specified holding time. GEL assigns holding times based on the associated methodology that assigns the date and time from sample collection or sample receipt. Those holding times expressed in hours are calculated in the ALPHALIMS system. Those holding times expressed as days expire at midnight on the day of expiration.

Preparation/Analytical Method Verification

All procedures were performed as stated in the SOP.

Sample Dilutions

The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis

Re-extractions or re-analyses were not required in this SDG except for confirmations and/or dilutions.

Miscellaneous Information

Nonconformance (NCR) Documentation

The following nonconformance report was generated for this SDG: 517384. It is located in the Miscellaneous Section of the data report.

Manual Integrations

Some initial calibration standards, continuing calibration standards, and/or samples may require manual integrations due to software limitations. Please see the raw data in the Miscellaneous Section.

Additional Comments

Additional comments were not required for this SDG.

Electronic Package Comment

The following package was generated using an electronic data processing program referred to as "virtual packaging". In an effort to increase quality and efficiency, the laboratory is developing systems to eventually generate all data packages electronically. The following change from "traditional" packages should be noted:

Analyst/peer reviewer initials and dates are not present on the electronic data files. Presently, all initials and dates are present on the original raw data. These hard copies are temporarily stored in the laboratory. An electronic signature page inserted after the case narrative of each electronic package will indicate the analyst, reviewer, and report specialist names associated with the generation of the data and package. The data validator will always sign and date the case narrative. Data that are not generated electronically, such as hand written pages, will be scanned and inserted into the electronic package.

System Configuration

The laboratory utilizes a HP 6890 Series gas chromatograph and a HP 5973 Mass Selective Detector. The configuration is equipped with the electronic pressure control. All MS interfaces are capillary direct.

Chromatographic Columns

Chromatographic separation of semi-volatile components is accomplished through analysis on one or more of the following columns (all with dimensions of 30 meters x 0.25 millimeters ID and 0.25 micron film except J&W DB-5MS2 and Phenomenex ZB-5ms which are 25 meters x 0.20 mm ID and 0.33 micron film).

Instrument Configuration

The samples reported in this SDG were analyzed on one or more of the following instrument systems. Instrument systems are referenced in the raw data and individual form headers by the Instrument ID designations listed below:

The Semi-Volatile-GC/MS analysis was performed on a HP Mass Spectrometer.

Instrument ID	System Configuration	Column ID	Column Description
MSD4.I	HP6890/HP5973	DB-5MS	25m x 0.2mm, 0.33um (5% Phenylmethylpolysiloxane)

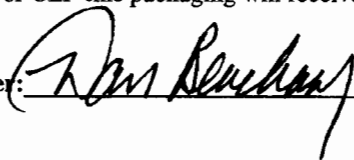
Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation:

GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.

Reviewer:

A handwritten signature in black ink, appearing to read "Ron Sanchez", written over a horizontal line.

Date:

2-7-08

Roadmap for CATL 201226 SVOA

This roadmap was analyzed by Lloyd Fox on 01-24-2008, 13:47.

This roadmap was reviewed by Daniel Beacham on 01-29-2008, 09:03.

This roadmap was packaged by Chantay Pinckney on 02-01-2008, 14:04.

This roadmap was packaged by Daniel Beacham on 02-07-2008, 10:36.

This roadmap was validated by Daniel Beacham on 02-07-2008, 10:57.

Sample

exclude	manual	datafile	smid	injdate	injtime	sublist	clientid	dilution	comment
☐	N	/chem/MSD4.i/s012108.b/s4a2120.d	201226001	21-JAN-2008	19:44	201226.sub	IR13-SB02	1	**fails surr, see rx _____
☐	N	/chem/MSD4.i/s012108.b/s4a2121.d	201226002	21-JAN-2008	20:03	201226.sub	IR13-SB03	1	Report
☒	N	/chem/MSD4.i/s012308.b/s4a2312.d	201226001	23-JAN-2008	13:11	201226.sub	IR13-SB02	1	DUSE confirms surr failure RX of s4a2120

QC Sample

exclude	manual	datafile	smid	sampletype	injdate	injtime	sublist	clientid	dilution	comment
☐	N	/chem/MSD4.i/s012108.b/s4a2116-1.d	1201499349	rmb	21-JAN-2008	18:27	201226.sub	SBLK01	1	Report
☐	N	/chem/MSD4.i/s012108.b/s4a2117-1.d	1201499350	lcs	21-JAN-2008	18:46	201226.sub	SBLK01LCS	1	Report
☐	N	/chem/MSD4.i/s012108.b/s4a2118-1.d	1201499353	lcsd	21-JAN-2008	19:05	201226.sub	SBLK01LCSD	1	Report
☒	N	/chem/MSD4.i/s012308.b/s4a2307-1.d	1201500955	mb	23-JAN-2008	11:35	201226.sub	SBLK01	1	
☒	N	/chem/MSD4.i/s012308.b/s4a2308-1.d	1201500956	lcs	23-JAN-2008	11:54	201226.sub	SBLK01LCS	1	
☒	N	/chem/MSD4.i/s012308.b/s4a2309-1.d	1201500959	lcsd	23-JAN-2008	12:13	201226.sub	SBLK01LCSD	1	

SAMPLE DATA SUMMARY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201226	Date Collected: 01/14/2008 14:00	Matrix: GROUND WATER
Lab Sample ID: 201226001	Date Received: 01/18/2008 09:15	
Client ID: IR13-SB02	Client: CATL002	Project: CATL00107
Batch ID: 719409	Method: SW846 8270C	SOP Ref: GL-OA-E-009
Run Date: 01/21/2008 19:44	Inst: MSD4.I	Dilution: 1
Prep Date: 01/21/2008 15:22	Analyst: JMB3	Inj. Vol: .5 uL
Data File: s4a2120.d	Aliquot: 1050 mL	Final Volume: 1 mL
	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
62-75-9	N-Methyl-N-nitrosomethylamine	U	9.52	ug/L	1.90	9.52
108-95-2	Phenol	U	9.52	ug/L	0.952	9.52
95-57-8	2-Chlorophenol	U	9.52	ug/L	1.90	9.52
106-46-7	1,4-Dichlorobenzene	U	9.52	ug/L	1.90	9.52
621-64-7	N-Nitrosodipropylamine	U	9.52	ug/L	1.90	9.52
59-50-7	4-Chloro-3-methylphenol	U	9.52	ug/L	1.90	9.52
83-32-9	Acenaphthene	U	0.952	ug/L	0.295	0.952
121-14-2	2,4-Dinitrotoluene	U	9.52	ug/L	1.90	9.52
100-02-7	4-Nitrophenol	U	9.52	ug/L	1.90	9.52
87-86-5	Pentachlorophenol	U	9.52	ug/L	1.90	9.52
129-00-0	Pyrene	U	0.952	ug/L	0.286	0.952
110-86-1	Pyridine	U	9.52	ug/L	0.952	9.52
62-53-3	Aniline	U	9.52	ug/L	2.38	9.52
111-44-4	bis(2-Chloroethyl) ether	U	9.52	ug/L	1.90	9.52
541-73-1	1,3-Dichlorobenzene	U	9.52	ug/L	1.90	9.52
100-51-6	Benzyl alcohol	U	9.52	ug/L	1.90	9.52
95-50-1	1,2-Dichlorobenzene	U	9.52	ug/L	1.90	9.52
108-60-1	bis(2-Chloroisopropyl)ether	U	9.52	ug/L	1.90	9.52
95-48-7	o-Cresol	U	9.52	ug/L	1.90	9.52
98-86-2	Acetophenone	U	9.52	ug/L	1.90	9.52
65794-96-9	m,p-Cresols	U	9.52	ug/L	2.86	9.52
67-72-1	Hexachloroethane	U	9.52	ug/L	1.90	9.52
98-95-3	Nitrobenzene	U	9.52	ug/L	2.86	9.52
78-59-1	Isophorone	U	9.52	ug/L	1.90	9.52
88-75-5	2-Nitrophenol	U	9.52	ug/L	1.90	9.52
105-67-9	2,4-Dimethylphenol	U	9.52	ug/L	1.90	9.52
111-91-1	bis(2-Chloroethoxy)methane	U	9.52	ug/L	2.86	9.52
120-83-2	2,4-Dichlorophenol	U	9.52	ug/L	1.90	9.52
65-85-0	Benzoic acid	J	15.4	ug/L	5.71	19.0
91-20-3	Naphthalene	U	0.952	ug/L	0.286	0.952
106-47-8	4-Chloroaniline	U	9.52	ug/L	1.90	9.52
87-68-3	Hexachlorobutadiene	U	9.52	ug/L	1.90	9.52
91-57-6	2-Methylnaphthalene	U	0.952	ug/L	0.286	0.952
90-12-0	1-Methylnaphthalene	U	0.952	ug/L	0.286	0.952
77-47-4	Hexachlorocyclopentadiene	U	9.52	ug/L	1.90	9.52
88-06-2	2,4,6-Trichlorophenol	U	9.52	ug/L	1.90	9.52
95-95-4	2,4,5-Trichlorophenol	U	9.52	ug/L	0.952	9.52
91-58-7	2-Chloronaphthalene	U	0.952	ug/L	0.333	0.952

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201226
Lab Sample ID: 201226001

Date Collected: 01/14/2008 14:00
Date Received: 01/18/2008 09:15
Client: CATL002
Method: SW846 8270C
Inst: MSD4.I
Analyst: JMB3
Aliquot: 1050 mL
Column: J&W DB-5MS

Matrix: GROUND WATER
Project: CATL00107
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
88-74-4	o-Nitroaniline	U	9.52	ug/L	1.90	9.52
99-09-2	m-Nitroaniline	U	9.52	ug/L	1.90	9.52
131-11-3	Dimethylphthalate	U	9.52	ug/L	1.90	9.52
606-20-2	2,6-Dinitrotoluene	U	9.52	ug/L	1.90	9.52
208-96-8	Acenaphthylene	U	0.952	ug/L	0.190	0.952
51-28-5	2,4-Dinitrophenol	U	19.0	ug/L	9.52	19.0
132-64-9	Dibenzofuran	U	9.52	ug/L	1.90	9.52
84-66-2	Diethylphthalate	U	9.52	ug/L	1.90	9.52
86-73-7	Fluorene	U	0.952	ug/L	0.190	0.952
7005-72-3	4-Chlorophenylphenylether	U	9.52	ug/L	1.90	9.52
534-52-1	2-Methyl-4,6-dinitrophenol	U	9.52	ug/L	2.86	9.52
100-01-6	p-Nitroaniline	U	9.52	ug/L	2.86	9.52
122-39-4	Diphenylamine	U	9.52	ug/L	2.86	9.52
122-66-7	1,2-Diphenylhydrazine	U	9.52	ug/L	1.90	9.52
126-73-8	Tributylphosphate	U	9.52	ug/L	1.90	9.52
101-55-3	4-Bromophenylphenylether	U	9.52	ug/L	1.90	9.52
118-74-1	Hexachlorobenzene	U	9.52	ug/L	1.90	9.52
85-01-8	Phenanthrene	U	0.952	ug/L	0.190	0.952
120-12-7	Anthracene	U	0.952	ug/L	0.190	0.952
84-74-2	Di-n-butylphthalate	U	9.52	ug/L	1.90	9.52
206-44-0	Fluoranthene	U	0.952	ug/L	0.190	0.952
92-87-5	Benzidine	U	9.52	ug/L	1.90	9.52
85-68-7	Butylbenzylphthalate	U	9.52	ug/L	1.90	9.52
56-55-3	Benzo(a)anthracene	U	0.952	ug/L	0.190	0.952
91-94-1	3,3'-Dichlorohenzidine	U	9.52	ug/L	0.952	9.52
218-01-9	Chrysene	U	0.952	ug/L	0.190	0.952
117-81-7	bis(2-Ethylhexyl)phthalate	U	9.52	ug/L	1.90	9.52
117-84-0	Di-n-octylphthalate	U	9.52	ug/L	2.86	9.52
205-99-2	Benzo(b)fluoranthene	U	0.952	ug/L	0.190	0.952
207-08-9	Benzo(k)fluoranthene	U	0.952	ug/L	0.190	0.952
50-32-8	Benzo(a)pyrene	U	0.952	ug/L	0.190	0.952
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.952	ug/L	0.190	0.952
53-70-3	Dibenzo(a,h)anthracene	U	0.952	ug/L	0.190	0.952
191-24-2	Benzo(ghi)perylene	U	0.952	ug/L	0.190	0.952
86-74-8	Carbazole	U	0.952	ug/L	0.190	0.952
120-82-1	1,2,4-Trichlorobenzene	U	9.52	ug/L	1.90	9.52

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201226
Lab Sample ID: 201226002

Date Collected: 01/14/2008 15:00
Date Received: 01/18/2008 09:15
Client: CATL002
Method: SW846 8270C
Inst: MSD4.I
Analyst: JMB3
Aliquot: 1050 mL
Column: J&W DB-5MS

Matrix: GROUND WATER
Project: CATL00107
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
62-75-9	N-Methyl-N-nitrosomethylamine	U	9.52	ug/L	1.90	9.52
108-95-2	Phenol	U	9.52	ug/L	0.952	9.52
95-57-8	2-Chlorophenol	U	9.52	ug/L	1.90	9.52
106-46-7	1,4-Dichlorobenzene	U	9.52	ug/L	1.90	9.52
621-64-7	N-Nitrosodipropylamine	U	9.52	ug/L	1.90	9.52
59-50-7	4-Chloro-3-methylphenol	U	9.52	ug/L	1.90	9.52
83-32-9	Acenaphthene	U	0.952	ug/L	0.295	0.952
121-14-2	2,4-Dinitrotoluene	U	9.52	ug/L	1.90	9.52
100-02-7	4-Nitrophenol	U	9.52	ug/L	1.90	9.52
87-86-5	Pentachlorophenol	U	9.52	ug/L	1.90	9.52
129-00-0	Pyrene	U	0.952	ug/L	0.286	0.952
110-86-1	Pyridine	U	9.52	ug/L	0.952	9.52
62-53-3	Aniline	U	9.52	ug/L	2.38	9.52
111-44-4	bis(2-Chloroethyl) ether	U	9.52	ug/L	1.90	9.52
541-73-1	1,3-Dichlorobenzene	U	9.52	ug/L	1.90	9.52
100-51-6	Benzyl alcohol	U	9.52	ug/L	1.90	9.52
95-50-1	1,2-Dichlorobenzene	U	9.52	ug/L	1.90	9.52
108-60-1	bis(2-Chloroisopropyl) ether	U	9.52	ug/L	1.90	9.52
95-48-7	o-Cresol	U	9.52	ug/L	1.90	9.52
98-86-2	Acetophenone	U	9.52	ug/L	1.90	9.52
65794-96-9	m,p-Cresols	U	9.52	ug/L	2.86	9.52
67-72-1	Hexachloroethane	U	9.52	ug/L	1.90	9.52
98-95-3	Nitrobenzene	U	9.52	ug/L	2.86	9.52
78-59-1	Isophorone	U	9.52	ug/L	1.90	9.52
88-75-5	2-Nitrophenol	U	9.52	ug/L	1.90	9.52
105-67-9	2,4-Dimethylphenol	U	9.52	ug/L	1.90	9.52
111-91-1	bis(2-Chloroethoxy)methane	U	9.52	ug/L	2.86	9.52
120-83-2	2,4-Dichlorophenol	U	9.52	ug/L	1.90	9.52
65-85-0	Benzoic acid	U	19.0	ug/L	5.71	19.0
91-20-3	Naphthalene	U	0.952	ug/L	0.286	0.952
106-47-8	4-Chloroaniline	U	9.52	ug/L	1.90	9.52
87-68-3	Hexachlorobutadiene	U	9.52	ug/L	1.90	9.52
91-57-6	2-Methylnaphthalene	U	0.952	ug/L	0.286	0.952
90-12-0	1-Methylnaphthalene	U	0.952	ug/L	0.286	0.952
77-47-4	Hexachlorocyclopentadiene	U	9.52	ug/L	1.90	9.52
88-06-2	2,4,6-Trichlorophenol	U	9.52	ug/L	1.90	9.52
95-95-4	2,4,5-Trichlorophenol	U	9.52	ug/L	0.952	9.52
91-58-7	2-Chloronaphthalene	U	0.952	ug/L	0.333	0.952

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201226
Lab Sample ID: 201226002

Date Collected: 01/14/2008 15:00
Date Received: 01/18/2008 09:15

Matrix: GROUND WATER

Client ID: IR13-SB03
Batch ID: 719409
Run Date: 01/21/2008 20:03
Prep Date: 01/21/2008 15:22
Data File: s4a2121.d

Client: CATL002
Method: SW846 8270C
Inst: MSD4.I
Analyst: JMB3
Aliquot: 1050 mL
Column: J&W DB-5MS

Project: CATL00107
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
88-74-4	o-Nitroaniline	U	9.52	ug/L	1.90	9.52
99-09-2	m-Nitroaniline	U	9.52	ug/L	1.90	9.52
131-11-3	Dimethylphthalate	U	9.52	ug/L	1.90	9.52
606-20-2	2,6-Dinitrotoluene	U	9.52	ug/L	1.90	9.52
208-96-8	Acenaphthylene	U	0.952	ug/L	0.190	0.952
51-28-5	2,4-Dinitrophenol	U	19.0	ug/L	9.52	19.0
132-64-9	Dibenzofuran	U	9.52	ug/L	1.90	9.52
84-66-2	Diethylphthalate	U	9.52	ug/L	1.90	9.52
86-73-7	Fluorene	U	0.952	ug/L	0.190	0.952
7005-72-3	4-Chlorophenylphenylether	U	9.52	ug/L	1.90	9.52
534-52-1	2-Methyl-4,6-dinitrophenol	U	9.52	ug/L	2.86	9.52
100-01-6	p-Nitroaniline	U	9.52	ug/L	2.86	9.52
122-39-4	Diphenylamine	U	9.52	ug/L	2.86	9.52
122-66-7	1,2-Diphenylhydrazine	U	9.52	ug/L	1.90	9.52
126-73-8	Tributylphosphate	U	9.52	ug/L	1.90	9.52
101-55-3	4-Bromophenylphenylether	U	9.52	ug/L	1.90	9.52
118-74-1	Hexachlorobenzene	U	9.52	ug/L	1.90	9.52
85-01-8	Phenanthrene	U	0.952	ug/L	0.190	0.952
120-12-7	Anthracene	U	0.952	ug/L	0.190	0.952
84-74-2	Di-n-butylphthalate	U	9.52	ug/L	1.90	9.52
206-44-0	Fluoranthene	U	0.952	ug/L	0.190	0.952
92-87-5	Benzidine	U	9.52	ug/L	1.90	9.52
85-68-7	Butylbenzylphthalate	U	9.52	ug/L	1.90	9.52
56-55-3	Benzo(a)anthracene	U	0.952	ug/L	0.190	0.952
91-94-1	3,3'-Dichlorobenzidine	U	9.52	ug/L	0.952	9.52
218-01-9	Chrysene	U	0.952	ug/L	0.190	0.952
117-81-7	bis(2-Ethylhexyl)phthalate	U	9.52	ug/L	1.90	9.52
117-84-0	Di-n-octylphthalate	U	9.52	ug/L	2.86	9.52
205-99-2	Benzo(b)fluoranthene	U	0.952	ug/L	0.190	0.952
207-08-9	Benzo(k)fluoranthene	U	0.952	ug/L	0.190	0.952
50-32-8	Benzo(a)pyrene	U	0.952	ug/L	0.190	0.952
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.952	ug/L	0.190	0.952
53-70-3	Dibenzo(a,h)anthracene	U	0.952	ug/L	0.190	0.952
191-24-2	Benzo(ghi)perylene	U	0.952	ug/L	0.190	0.952
86-74-8	Carbazole	U	0.952	ug/L	0.190	0.952
120-82-1	1,2,4-Trichlorobenzene	U	9.52	ug/L	1.90	9.52

QUALITY CONTROL SUMMARY

Semi-Volatile
Surrogate Recovery Report

Page 1 of 1

SDG Number: 201226

Matrix Type: LIQUID

CAP Column (1) : J&W DB-5MS

Sample ID	Client ID	2FP %REC	PHL %REC	NBZ %REC	FBP %REC	TBP %REC	TPH %REC
1201499349	MB for batch 719408	45	30	75	85	83	71
1201499350	LCS for batch 719408	49	31	79	81	89	70
1201499353	LCSD for batch 719408	47	30	75	79	83	75
201226001	IR13-SB02	36	27	34 *	11 *	28 *	22 *
201226002	IR13-SB03	39	28	53	42	52	51

Surrogate**Acceptance Limits**

2FP	= 2-Fluorophenol	(15%–67%)
PHL	= Phenol-d5	(10%–53%)
NBZ	= Nitrobenzene-d5	(39%–99%)
FBP	= 2-Fluorobiphenyl	(41%–99%)
TBP	= 2,4,6-Tribromophenol	(35%–107%)
TPH	= p-Terphenyl-d14	(41%–115%)

* Recovery outside Acceptance Limits

Column to be used to flag recovery values

D Sample Diluted

Semi-Volatile
Quality Control Summary
Spike Recovery Report

Page 1 of 2

SDG Number: 201226	Sample Type: Laboratory Control Sample
Client ID: LCS for batch 719408	Matrix: WATER
Lab Sample ID: 1201499350	
Instrument: MSD4.1	Analysis Date: 01/21/2008 18:46 Dilution: 1
Analyst: JMB3	Prep Batch ID: 719408
Inj. Vol: .5 uL	Batch ID: 719409

CAS No	Parmname	Amount Added ug/L	Sample Conc. ug/L	Spike Conc. ug/L	Recovery %	Acceptance Limits
108-95-2	LCS Phenol	50.0	0.0	16.9	34	22-50
95-57-8	LCS 2-Chlorophenol	50.0	0.0	39.8	80	48-89
106-46-7	LCS 1,4-Dichlorobenzene	50.0	0.0	41.0	82	28-96
621-64-7	LCS N-Nitrosodipropylamine	50.0	0.0	40.1	80	49-104
59-50-7	LCS 4-Chloro-3-methylphenol	50.0	0.0	43.0	86	54-103
83-32-9	LCS Acenaphthene	50.0	0.0	41.7	83	53-105
121-14-2	LCS 2,4-Dinitrotoluene	50.0	0.0	41.8	84	50-110
100-02-7	LCS 4-Nitrophenol	50.0	0.0	12.4	25	16-65
87-86-5	LCS Pentachlorophenol	50.0	0.0	41.4	83	40-119
129-00-0	LCS Pyrene	50.0	0.0	36.3	73	46-111
120-82-1	LCS 1,2,4-Trichlorobenzene	50.0	0.0	39.8	80	37-98

Semi-Volatile

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Quality Control Summary
Spike Recovery Report

SDG Number:	201226	Sample Type:	Laboratory Control Sample Duplicate
Client ID:	LCSD for batch 719408	Matrix:	WATER
Lab Sample ID:	1201499353		
Instrument:	MSD4.I	Analysis Date:	01/21/2008 19:05 Dilution: 1
Analyst:	JMB3	Prep Batch ID:	719408
Inj. Vol:	.5 uL	Batch ID:	719409

CAS No	Parmname	Amount Added ug/L	Sample Conc. ug/L	Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
108-95-2	LCSD Phenol	50.0	0.0	16.3	33	22-50	4	0-23
95-57-8	LCSD 2-Chlorophenol	50.0	0.0	38.3	77	48-89	4	0-27
106-46-7	LCSD 1,4-Dichlorobenzene	50.0	0.0	35.5	71	28-96	14	0-28
621-64-7	LCSD N-Nitrosodipropylamine	50.0	0.0	38.9	78	49-104	3	0-25
59-50-7	LCSD 4-Chloro-3-methylphenol	50.0	0.0	40.9	82	54-103	5	0-21
83-32-9	LCSD Acenaphthene	50.0	0.0	40.1	80	53-105	4	0-22
121-14-2	LCSD 2,4-Dinitrotoluene	50.0	0.0	39.6	79	50-110	5	0-22
100-02-7	LCSD 4-Nitrophenol	50.0	0.0	11.5	23	16-65	8	0-28
87-86-5	LCSD Pentachlorophenol	50.0	0.0	37.9	76	40-119	9	0-27
129-00-0	LCSD Pyrene	50.0	0.0	39.4	79	46-111	8	0-22
120-82-1	LCSD 1,2,4-Trichlorobenzene	50.0	0.0	37.6	75	37-98	6	0-25

Method Blank Summary

Page 1 of 1

SDG Number:	201226	Client:	CATL002	Matrix:	WATER
Client ID:	MB for batch 719408	Instrument ID:	MSD4.I	Data File:	s4a2116-1.d
Lab Sample ID:	1201499349	Prep Date:	01/21/2008 15:22	Analyzed:	01/21/08 18:27
Column:	J&W DB-5MS	Level:	LOW		

This method blank applies to the following samples and quality control samples:

Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01 LCS for batch 719408	1201499350	s4a2117-1.d	01/21/08	1846
02 LCSD for batch 719408	1201499353	s4a2118-1.d	01/21/08	1905
03 IR13-SB02	201226001	s4a2120.d	01/21/08	1944
04 IR13-SB03	201226002	s4a2121.d	01/21/08	2003

Instrument Performance Check

DFTPP

Lab Name GEL Laboratories LLC

Client SDG: 201226

Instrument ID: MSD4.I

Injection Date/Time: 08-JAN-08 10:31

Column Description: Phenomenex ZB-5MS

Lab File ID /s010808.b/s4a0801.d

m/e	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% Relative Abundance	100
51	30 – 60% of mass 198	50.6
68	Less than 2% of mass 69	1.4
69	Mass 69 Relative Abundance	42.8
70	Less than 2% of mass 69	0.6
127	40 – 60% of mass 198	55.1
197	0 – 1% of mass 198	0.6
199	5 – 9% of mass 198	6.8
275	10 – 30% of mass 198	23.1
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	74.3
442	Greater than 40% of mass 198	84.5
443	17 – 23% of mass 442	19.3

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, LCS, LCSD, BLANKS AND STANDARDS

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
MEGA001	WBN080107-10	/s010808.b/s4a0803.d	08-JAN-08 11:04
MEGA010	WBN080107-08	/s010808.b/s4a0804.d	08-JAN-08 11:26
MEGA020	WBN080107-07	/s010808.b/s4a0805.d	08-JAN-08 11:49
MEGA040	WBN080107-06.1	/s010808.b/s4a0806.d	08-JAN-08 12:11
MEGA050	WBN080107-05	/s010808.b/s4a0807.d	08-JAN-08 12:33
MEGA080	WBN080107-04	/s010808.b/s4a0808.d	08-JAN-08 12:55
MEGA100	WBN080107-03	/s010808.b/s4a0809.d	08-JAN-08 13:17
MEGA120	WBN080107-02	/s010808.b/s4a0810.d	08-JAN-08 13:39
MEGAICV	WBN080107-11.1	/s010808.b/s4a0812.d	08-JAN-08 14:24

Instrument Performance Check

DFTPP

Lab Name GEL Laboratories LLC

Client SDG: 201226

Instrument ID: MSD4.I

Injection Date/Time: 08-JAN-08 14:44

Column Description: Phenomenex ZB-5MS

Lab File ID /s010808.b/s4a0813.d

m/e	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% Relative Abundance	100
51	30 – 60% of mass 198	52.3
68	Less than 2% of mass 69	1.4
69	Mass 69 Relative Abundance	44.5
70	Less than 2% of mass 69	0.5
127	40 – 60% of mass 198	56.8
197	0 – 1% of mass 198	0.6
199	5 – 9% of mass 198	6.8
275	10 – 30% of mass 198	23.6
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	73.5
442	Greater than 40% of mass 198	82.9
443	17 – 23% of mass 442	19.4

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, LCS, LCSD, BLANKS AND STANDARDS

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
AP001	WBN071221-16	/s010808.b/s4a0815.d	08-JAN-08 15:14
AP010	WBN071221-15	/s010808.b/s4a0816.d	08-JAN-08 15:33
AP020	WBN071221-14	/s010808.b/s4a0817.d	08-JAN-08 15:52
AP040	WBN071221-13.1	/s010808.b/s4a0818.d	08-JAN-08 16:11
AP050	WBN071221-12	/s010808.b/s4a0819.d	08-JAN-08 16:30
AP080	WBN071221-11	/s010808.b/s4a0820.d	08-JAN-08 16:48
AP100	WBN071221-10	/s010808.b/s4a0821.d	08-JAN-08 17:07
AP120	WBN071221-09	/s010808.b/s4a0822.d	08-JAN-08 17:26
PEST010	WBN071221-23	/s010808.b/s4a0823.d	08-JAN-08 17:45
PEST020	WBN071221-22	/s010808.b/s4a0824.d	08-JAN-08 18:04
PEST040	WBN071221-21.1	/s010808.b/s4a0825.d	08-JAN-08 18:22
PEST050	WBN071221-20	/s010808.b/s4a0826.d	08-JAN-08 18:41
PEST080	WBN071221-19	/s010808.b/s4a0827.d	08-JAN-08 19:00
PEST100	WBN071221-18	/s010808.b/s4a0828.d	08-JAN-08 19:19
PEST120	WBN071221-17	/s010808.b/s4a0829.d	08-JAN-08 19:38
APICV	WBN071221-25.1	/s010808.b/s4a0836.d	08-JAN-08 21:52

Instrument Performance Check

DFTPP

Lab Name GEL Laboratories LLC

Client SDG: 201226

Instrument ID: MSD4.I

Injection Date/Time: 08-JAN-08 14:44

Column Description: Phenomenex ZB-5MS

Lab File ID /s010808.b/s4a0813.d

m/e	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% Relative Abundance	100
51	30 – 60% of mass 198	52.3
68	Less than 2% of mass 69	1.4
69	Mass 69 Relative Abundance	44.5
70	Less than 2% of mass 69	0.5
127	40 – 60% of mass 198	56.8
197	0 – 1% of mass 198	0.6
199	5 – 9% of mass 198	6.8
275	10 – 30% of mass 198	23.6
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	73.5
442	Greater than 40% of mass 198	82.9
443	17 – 23% of mass 442	19.4

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, LCS, LCSD, BLANKS AND STANDARDS

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
PESTICV	WBN071221-26.1	/s010808.b/s4a0837.d	08-JAN-08 22:11

Instrument Performance Check

DFTPP

Lab Name GEL Laboratories LLC

Client SDG: 201226

Instrument ID: MSD4.I

Injection Date/Time: 21-JAN-08 13:39

Column Description: Phenomenex ZB-5MS

Lab File ID /s012108.b/s4a2101.d

m/e	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% Relative Abundance	100
51	30 – 60% of mass 198	57.4
68	Less than 2% of mass 69	1.5
69	Mass 69 Relative Abundance	45.4
70	Less than 2% of mass 69	0.6
127	40 – 60% of mass 198	58.4
197	0 – 1% of mass 198	0.6
199	5 – 9% of mass 198	6.8
275	10 – 30% of mass 198	25.5
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	42.3
442	Greater than 40% of mass 198	83.9
443	17 – 23% of mass 442	19.1

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, LCS, LCSD, BLANKS AND STANDARDS

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
MEGACVS	WBN080115-01.2	/s012108.b/s4a2102.d	21-JAN-08 13:51
APCVS	WBN071221-13.5	/s012108.b/s4a2104.d	21-JAN-08 14:33
PESTCVS	WBN071221-21.4	/s012108.b/s4a2105.d	21-JAN-08 14:55
SBLK01	1201499349	/s012108.b/s4a2116-1.d	21-JAN-08 18:27
SBLK01LCS	1201499350	/s012108.b/s4a2117-1.d	21-JAN-08 18:46
SBLK01LCSD	1201499353	/s012108.b/s4a2118.d	21-JAN-08 19:05
IR13-SB02	201226001	/s012108.b/s4a2120.d	21-JAN-08 19:44
IR13-SB03	201226002	/s012108.b/s4a2121.d	21-JAN-08 20:03

Internal Standard Area and RT Summary

Lab Name : GEL Laboratories LLC

Client SDG: 201226

Instrument: MSD4.1

STD Analysis Time: 21-JAN-08 13:51

GC Column: J&W DB-5MS

Data File: /chem/MSD4.i/s012108.b/s4a2102.d

	1,4-Dichlorobenzene-d4			Naphthalene-d8			Acenaphthene-d10			Phenanthrene-d10			Chrysene-d12			Perylene-d12		
	Area	#	RT #	Area	#	RT #	Area	#	RT #	Area	#	RT #	Area	#	RT #	Area	#	RT #
12 Hour STD	287025		3.69	1178122		4.56	629499		5.8	1128614		6.8	849619		8.42	634897		9.73
Upper Limit	574050		4.19	2356244		5.06	1258998		6.3	2257228		7.3	1699238		8.92	1269794		10.2
Lower Limit	143512.5		3.19	589061		4.06	314749.5		5.3	564307		6.3	424809.5		7.92	317448.5		9.23
Sample ID																		
BLK01	306255		3.69	1243628		4.55	651199		5.8	1173206		6.8	988210		8.41	750522		9.72
BLK01LCS	295749		3.69	1241372		4.56	674432		5.8	1246857		6.8	1004598		8.41	805328		9.73
BLK01LCSD	283914		3.69	1176056		4.56	621525		5.8	1128839		6.8	785791		8.41	562492		9.73
IR13-SB02	284643		3.69	1150739		4.55	601040		5.8	1070463		6.8	794510		8.42	544315		9.75
IR13-SB03	295095		3.69	1175904		4.55	622742		5.8	1098202		6.8	739401		8.41	475390		9.72

Area Upper Limit = +100% of internal standard area

Area Lower Limit = - 50% of internal standard area

RT Upper Limit = + 0.50 minutes of internal standard RT

RT Lower Limit = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

* Value outside of QC Limits

SAMPLE DATA

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201226
Lab Sample ID: 201226001

Date Collected: 01/14/2008 14:00
Date Received: 01/18/2008 09:15
Client: CATL002
Method: SW846 8270C
Inst: MSD4.I
Analyst: JMB3
Aliquot: 1050 mL
Column: J&W DB-5MS

Matrix: GROUND WATER
Project: CATL00107
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
62-75-9	N-Methyl-N-nitrosomethylamine	U	9.52	ug/L	1.90	9.52
108-95-2	Phenol	U	9.52	ug/L	0.952	9.52
95-57-8	2-Chlorophenol	U	9.52	ug/L	1.90	9.52
106-46-7	1,4-Dichlorobenzene	U	9.52	ug/L	1.90	9.52
621-64-7	N-Nitrosodipropylamine	U	9.52	ug/L	1.90	9.52
59-50-7	4-Chloro-3-methylphenol	U	9.52	ug/L	1.90	9.52
83-32-9	Acenaphthene	U	0.952	ug/L	0.295	0.952
121-14-2	2,4-Dinitrotoluene	U	9.52	ug/L	1.90	9.52
100-02-7	4-Nitrophenol	U	9.52	ug/L	1.90	9.52
87-86-5	Pentachlorophenol	U	9.52	ug/L	1.90	9.52
129-00-0	Pyrene	U	0.952	ug/L	0.286	0.952
110-86-1	Pyridine	U	9.52	ug/L	0.952	9.52
62-53-3	Aniline	U	9.52	ug/L	2.38	9.52
111-44-4	bis(2-Chloroethyl) ether	U	9.52	ug/L	1.90	9.52
541-73-1	1,3-Dichlorobenzene	U	9.52	ug/L	1.90	9.52
100-51-6	Benzyl alcohol	U	9.52	ug/L	1.90	9.52
95-50-1	1,2-Dichlorobenzene	U	9.52	ug/L	1.90	9.52
108-60-1	bis(2-Chloroisopropyl)ether	U	9.52	ug/L	1.90	9.52
95-48-7	o-Cresol	U	9.52	ug/L	1.90	9.52
98-86-2	Acetophenone	U	9.52	ug/L	1.90	9.52
65794-96-9	m,p-Cresols	U	9.52	ug/L	2.86	9.52
67-72-1	Hexachloroethane	U	9.52	ug/L	1.90	9.52
98-95-3	Nitrobenzene	U	9.52	ug/L	2.86	9.52
78-59-1	Isophorone	U	9.52	ug/L	1.90	9.52
88-75-5	2-Nitrophenol	U	9.52	ug/L	1.90	9.52
105-67-9	2,4-Dimethylphenol	U	9.52	ug/L	1.90	9.52
111-91-1	bis(2-Chloroethoxy)methane	U	9.52	ug/L	2.86	9.52
120-83-2	2,4-Dichlorophenol	U	9.52	ug/L	1.90	9.52
65-85-0	Benzoic acid	J	15.4	ug/L	5.71	19.0
91-20-3	Naphthalene	U	0.952	ug/L	0.286	0.952
106-47-8	4-Chloroaniline	U	9.52	ug/L	1.90	9.52
87-68-3	Hexachlorobutadiene	U	9.52	ug/L	1.90	9.52
91-57-6	2-Methylnaphthalene	U	0.952	ug/L	0.286	0.952
90-12-0	1-Methylnaphthalene	U	0.952	ug/L	0.286	0.952
77-47-4	Hexachlorocyclopentadiene	U	9.52	ug/L	1.90	9.52
88-06-2	2,4,6-Trichlorophenol	U	9.52	ug/L	1.90	9.52
95-95-4	2,4,5-Trichlorophenol	U	9.52	ug/L	0.952	9.52
91-58-7	2-Chloronaphthalene	U	0.952	ug/L	0.333	0.952

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201226	Date Collected: 01/14/2008 14:00	Matrix: GROUND WATER
Lab Sample ID: 201226001	Date Received: 01/18/2008 09:15	
Client ID: IR13-SB02	Client: CATL002	Project: CATL00107
Batch ID: 719409	Method: SW846 8270C	SOP Ref: GL-OA-E-009
Run Date: 01/21/2008 19:44	Inst: MSD4.I	Dilution: 1
Prep Date: 01/21/2008 15:22	Analyst: JMB3	Inj. Vol: .5 uL
Data File: s4a2120.d	Aliquot: 1050 mL	Final Volume: 1 mL
	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
88-74-4	o-Nitroaniline	U	9.52	ug/L	1.90	9.52
99-09-2	m-Nitroaniline	U	9.52	ug/L	1.90	9.52
131-11-3	Dimethylphthalate	U	9.52	ug/L	1.90	9.52
606-20-2	2,6-Dinitrotoluene	U	9.52	ug/L	1.90	9.52
208-96-8	Acenaphthylene	U	0.952	ug/L	0.190	0.952
51-28-5	2,4-Dinitrophenol	U	19.0	ug/L	9.52	19.0
132-64-9	Dibenzofuran	U	9.52	ug/L	1.90	9.52
84-66-2	Diethylphthalate	U	9.52	ug/L	1.90	9.52
86-73-7	Fluorene	U	0.952	ug/L	0.190	0.952
7005-72-3	4-Chlorophenylphenylether	U	9.52	ug/L	1.90	9.52
534-52-1	2-Methyl-4,6-dinitrophenol	U	9.52	ug/L	2.86	9.52
100-01-6	p-Nitroaniline	U	9.52	ug/L	2.86	9.52
122-39-4	Diphenylamine	U	9.52	ug/L	2.86	9.52
122-66-7	1,2-Diphenylhydrazine	U	9.52	ug/L	1.90	9.52
126-73-8	Tributylphosphate	U	9.52	ug/L	1.90	9.52
101-55-3	4-Bromophenylphenylether	U	9.52	ug/L	1.90	9.52
118-74-1	Hexachlorobenzene	U	9.52	ug/L	1.90	9.52
85-01-8	Phenanthrene	U	0.952	ug/L	0.190	0.952
120-12-7	Anthracene	U	0.952	ug/L	0.190	0.952
84-74-2	Di-n-butylphthalate	U	9.52	ug/L	1.90	9.52
206-44-0	Fluoranthene	U	0.952	ug/L	0.190	0.952
92-87-5	Benzidine	U	9.52	ug/L	1.90	9.52
85-68-7	Butylbenzylphthalate	U	9.52	ug/L	1.90	9.52
56-55-3	Benzo(a)anthracene	U	0.952	ug/L	0.190	0.952
91-94-1	3,3'-Dichlorobenzidine	U	9.52	ug/L	0.952	9.52
218-01-9	Chrysene	U	0.952	ug/L	0.190	0.952
117-81-7	bis(2-Ethylhexyl)phthalate	U	9.52	ug/L	1.90	9.52
117-84-0	Di-n-octylphthalate	U	9.52	ug/L	2.86	9.52
205-99-2	Benzo(b)fluoranthene	U	0.952	ug/L	0.190	0.952
207-08-9	Benzo(k)fluoranthene	U	0.952	ug/L	0.190	0.952
50-32-8	Benzo(a)pyrene	U	0.952	ug/L	0.190	0.952
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.952	ug/L	0.190	0.952
53-70-3	Dibenzo(a,h)anthracene	U	0.952	ug/L	0.190	0.952
191-24-2	Benzo(ghi)perylene	U	0.952	ug/L	0.190	0.952
86-74-8	Carbazole	U	0.952	ug/L	0.190	0.952
120-82-1	1,2,4-Trichlorobenzene	U	9.52	ug/L	1.90	9.52

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Data file : /chem/MSD4.i/s012108.b/s4a2120.d
Lab Smp Id: 201226001 Client Smp ID: IR13-SB02
Inj Date : 21-JAN-2008 19:44
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |201226001|719409|1|SVM|1|CATL
Misc Info : |MSD8270_L|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
Meth Date : 21-Jan-2008 15:36 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 16:18 Cal File: s410605.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 201226.sub
Target Version: 3.50
Processing Host: hpclp1

Concentration Formula: Amt * DF * Uf * Vt/(Vo *Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	500.00000	ng unit correction factor
Vt	1.00000	volume of final ext
Vo	1050.00000	volume of sample ext
Vi	0.50000	volume injected

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
QUANT SIG						ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng/ul)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.692	3.693	(1.000)	284643	40.0000	
* 29 Naphthalene-d8	136	4.551	4.557	(1.000)	1150739	40.0000	
* 46 Acenaphthene-d10	164	5.798	5.804	(1.000)	601040	40.0000	
* 67 Phenanthrene-d10	188	6.804	6.804	(1.000)	1070463	40.0000	
* 91 Chrysene-d12	240	8.422	8.416	(1.000)	794510	40.0000	
* 98 Perylene-d12	264	9.745	9.728	(1.000)	544315	40.0000	
\$ 3 2-Fluorophenol	112	2.893	2.899	(0.783)	329974	36.0011	34.3
\$ 5 Phenol-d5	99	3.422	3.428	(0.927)	295626	26.5412	25.3
\$ 20 Nitrobenzene-d5	82	4.051	4.057	(0.890)	197991	16.9685	16.2 (R)
\$ 39 2-Fluorobiphenyl	172	5.292	5.298	(0.913)	219217	5.36487	5.1 (R)
\$ 60 2,4,6-Tribromophenol	329	6.345	6.351	(1.094)	57580	27.5789	26.3 (R)
\$ 81 p-Terphenyl-d14	244	7.728	7.728	(0.918)	192853	11.0032	10.5 (R)
27 Benzoic acid	105	4.316	4.351	(0.948)	1898	16.1602	15.4 (a)

Data File: /chem/MSD4.i/s012108.b/s4a2120.d
Report Date: 22-Jan-2008 10:14

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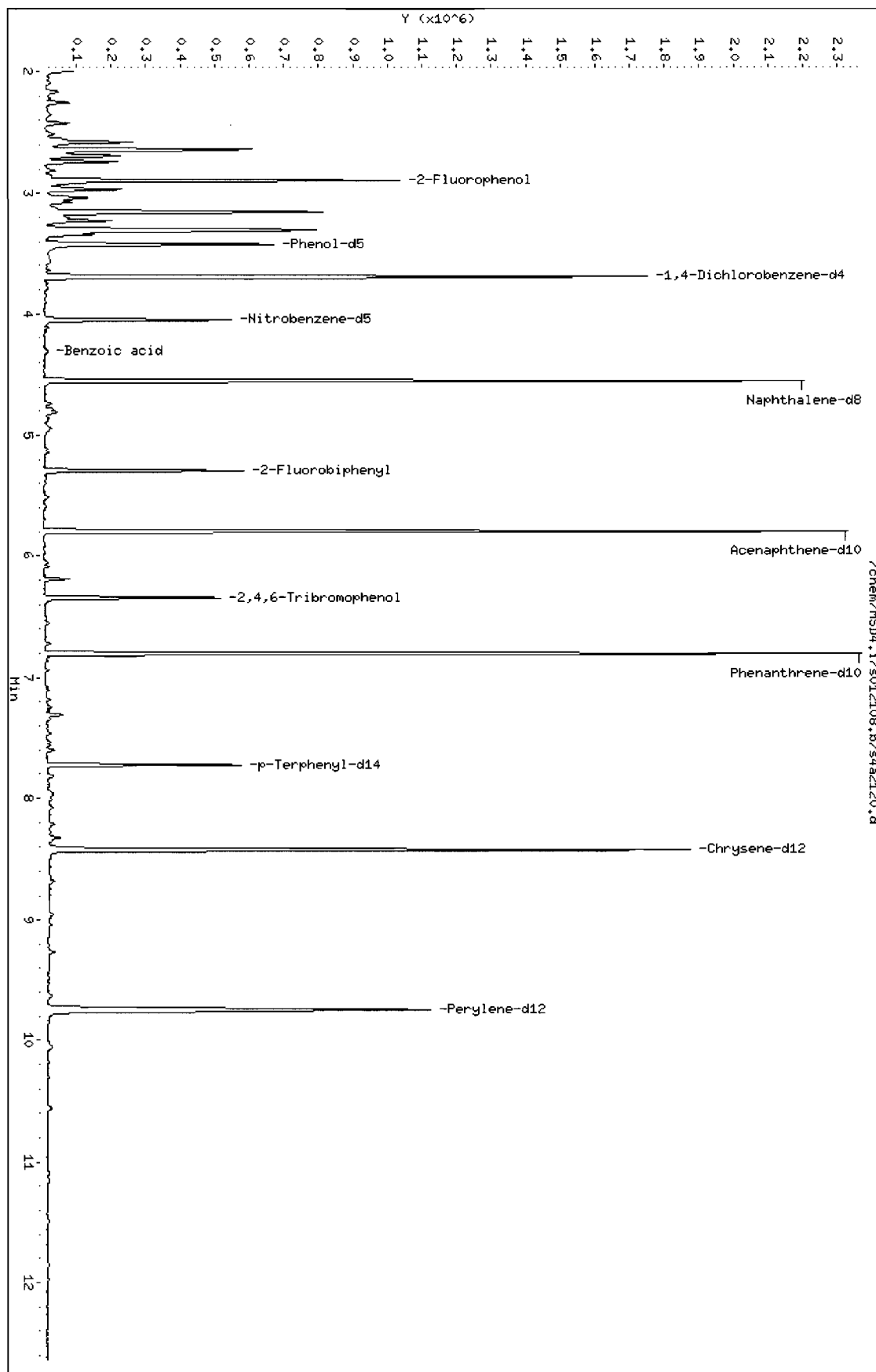
QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- R - Spike/Surrogate failed recovery limits.

Data File: /chem/HSD4.i/s012108.b/s4a2120.d
Date: 21-JAN-2008 19:44
Client ID: IR13-SB02
Sample Info: 1201226001719409111SVH11ICATL
Volume Injected (uL): 0.5
Column phase: J&W DB-5MS

Instrument: HSD4.i
Operator: JHB3
Column diameter: 0.20

Page 1



Date: 21-JAN-2008 19:44

Client ID: IR13-SB02

Instrument: MSD4.i

Sample Info: I201226001I719409I1ISVM11ICATL

Volume Injected (uL): 0.5

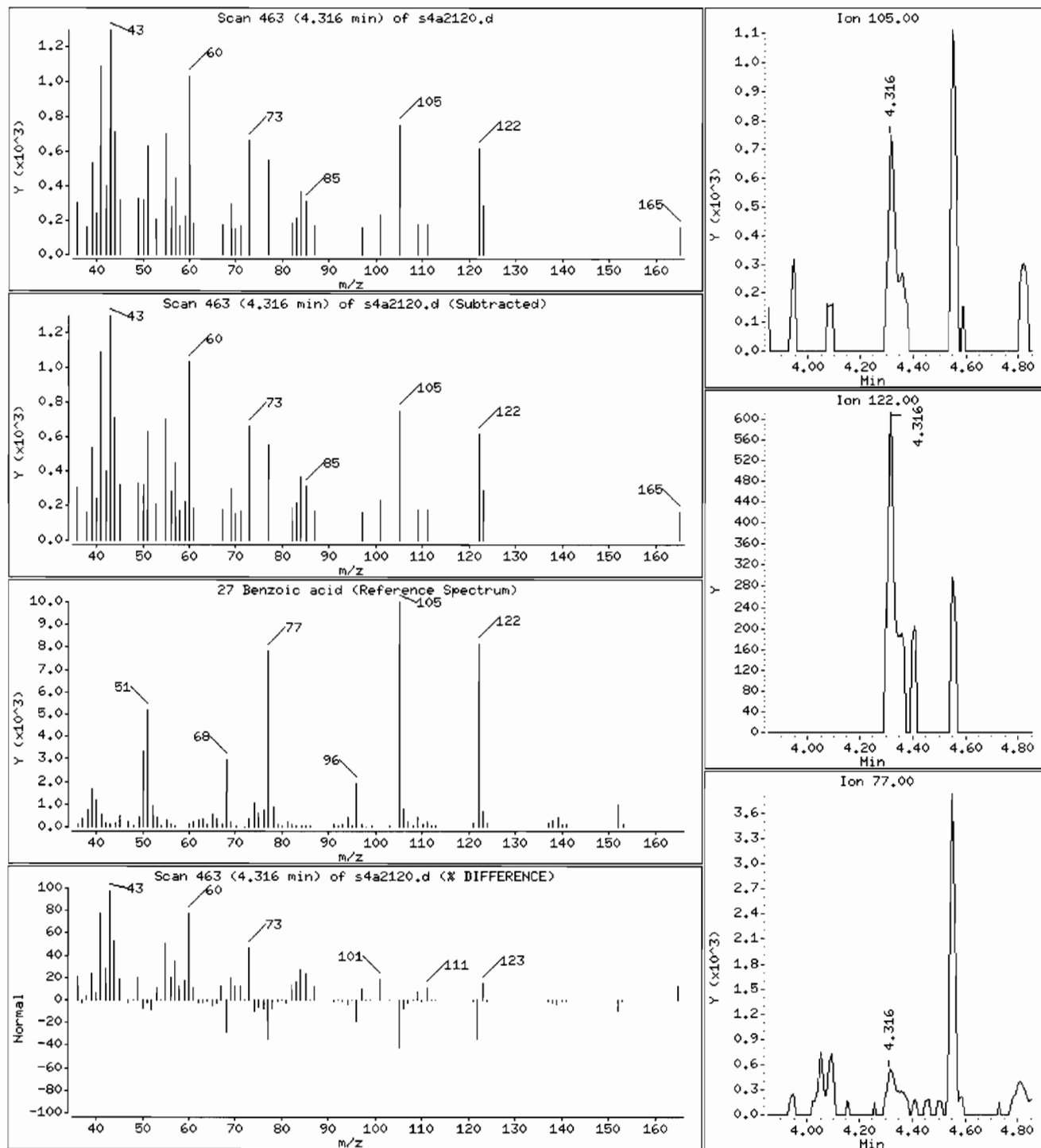
Operator: JMB3

Column phase: J&W DB-5MS

Column diameter: 0.20

27 Benzoic acid

Concentration: 15.4 ug/L



**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201226
Lab Sample ID: 201226002

Date Collected: 01/14/2008 15:00
Date Received: 01/18/2008 09:15

Matrix: GROUND WATER

Client ID: IR13-SB03

Client: CATL002

Project: CATL00107

Batch ID: 719409

Method: SW846 8270C

SOP Ref: GL-OA-E-009

Run Date: 01/21/2008 20:03

Inst: MSD4.I

Dilution: 1

Prep Date: 01/21/2008 15:22

Analyst: JMB3

Inj. Vol: .5 uL

Data File: s4a2121.d

Aliquot: 1050 mL

Final Volume: 1 mL

Column: J&W DB-5MS

Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
62-75-9	N-Methyl-N-nitrosomethylamine	U	9.52	ug/L	1.90	9.52
108-95-2	Phenol	U	9.52	ug/L	0.952	9.52
95-57-8	2-Chlorophenol	U	9.52	ug/L	1.90	9.52
106-46-7	1,4-Dichlorobenzene	U	9.52	ug/L	1.90	9.52
621-64-7	N-Nitrosodipropylamine	U	9.52	ug/L	1.90	9.52
59-50-7	4-Chloro-3-methylphenol	U	9.52	ug/L	1.90	9.52
83-32-9	Acenaphthene	U	0.952	ug/L	0.295	0.952
121-14-2	2,4-Dinitrotoluene	U	9.52	ug/L	1.90	9.52
100-02-7	4-Nitrophenol	U	9.52	ug/L	1.90	9.52
87-86-5	Pentachlorophenol	U	9.52	ug/L	1.90	9.52
129-00-0	Pyrene	U	0.952	ug/L	0.286	0.952
110-86-1	Pyridine	U	9.52	ug/L	0.952	9.52
62-53-3	Aniline	U	9.52	ug/L	2.38	9.52
111-44-4	bis(2-Chloroethyl) ether	U	9.52	ug/L	1.90	9.52
541-73-1	1,3-Dichlorobenzene	U	9.52	ug/L	1.90	9.52
100-51-6	Benzyl alcohol	U	9.52	ug/L	1.90	9.52
95-50-1	1,2-Dichlorobenzene	U	9.52	ug/L	1.90	9.52
108-60-1	bis(2-Chloroisopropyl)ether	U	9.52	ug/L	1.90	9.52
95-48-7	o-Cresol	U	9.52	ug/L	1.90	9.52
98-86-2	Acetophenone	U	9.52	ug/L	1.90	9.52
65794-96-9	m,p-Cresols	U	9.52	ug/L	2.86	9.52
67-72-1	Hexachloroethane	U	9.52	ug/L	1.90	9.52
98-95-3	Nitrobenzene	U	9.52	ug/L	2.86	9.52
78-59-1	Isophorone	U	9.52	ug/L	1.90	9.52
88-75-5	2-Nitrophenol	U	9.52	ug/L	1.90	9.52
105-67-9	2,4-Dimethylphenol	U	9.52	ug/L	1.90	9.52
111-91-1	bis(2-Chloroethoxy)methane	U	9.52	ug/L	2.86	9.52
120-83-2	2,4-Dichlorophenol	U	9.52	ug/L	1.90	9.52
65-85-0	Benzoic acid	U	19.0	ug/L	5.71	19.0
91-20-3	Naphthalene	U	0.952	ug/L	0.286	0.952
106-47-8	4-Chloroaniline	U	9.52	ug/L	1.90	9.52
87-68-3	Hexachlorobutadiene	U	9.52	ug/L	1.90	9.52
91-57-6	2-Methylnaphthalene	U	0.952	ug/L	0.286	0.952
90-12-0	1-Methylnaphthalene	U	0.952	ug/L	0.286	0.952
77-47-4	Hexachlorocyclopentadiene	U	9.52	ug/L	1.90	9.52
88-06-2	2,4,6-Trichlorophenol	U	9.52	ug/L	1.90	9.52
95-95-4	2,4,5-Trichlorophenol	U	9.52	ug/L	0.952	9.52
91-58-7	2-Chloronaphthalene	U	0.952	ug/L	0.333	0.952

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201226	Date Collected: 01/14/2008 15:00	Matrix: GROUND WATER
Lab Sample ID: 201226002	Date Received: 01/18/2008 09:15	
	Client: CATL002	Project: CATL00107
Client ID: IR13-SB03	Method: SW846 8270C	SOP Ref: GL-OA-E-009
Batch ID: 719409	Inst: MSD4.I	Dilution: 1
Run Date: 01/21/2008 20:03	Analyst: JMB3	Inj. Vol: .5 uL
Prep Date: 01/21/2008 15:22	Aliquot: 1050 mL	Final Volume: 1 mL
Data File: s4a2121.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
88-74-4	o-Nitroaniline	U	9.52	ug/L	1.90	9.52
99-09-2	m-Nitroaniline	U	9.52	ug/L	1.90	9.52
131-11-3	Dimethylphthalate	U	9.52	ug/L	1.90	9.52
606-20-2	2,6-Dinitrotoluene	U	9.52	ug/L	1.90	9.52
208-96-8	Acenaphthylene	U	0.952	ug/L	0.190	0.952
51-28-5	2,4-Dinitrophenol	U	19.0	ug/L	9.52	19.0
132-64-9	Dibenzofuran	U	9.52	ug/L	1.90	9.52
84-66-2	Diethylphthalate	U	9.52	ug/L	1.90	9.52
86-73-7	Fluorene	U	0.952	ug/L	0.190	0.952
7005-72-3	4-Chlorophenylphenylether	U	9.52	ug/L	1.90	9.52
534-52-1	2-Methyl-4,6-dinitrophenol	U	9.52	ug/L	2.86	9.52
100-01-6	p-Nitroaniline	U	9.52	ug/L	2.86	9.52
122-39-4	Diphenylamine	U	9.52	ug/L	2.86	9.52
122-66-7	1,2-Diphenylhydrazine	U	9.52	ug/L	1.90	9.52
126-73-8	Tributylphosphate	U	9.52	ug/L	1.90	9.52
101-55-3	4-Bromophenylphenylether	U	9.52	ug/L	1.90	9.52
118-74-1	Hexachlorobenzene	U	9.52	ug/L	1.90	9.52
85-01-8	Phenanthrene	U	0.952	ug/L	0.190	0.952
120-12-7	Anthracene	U	0.952	ug/L	0.190	0.952
84-74-2	Di-n-butylphthalate	U	9.52	ug/L	1.90	9.52
206-44-0	Fluoranthene	U	0.952	ug/L	0.190	0.952
92-87-5	Benzidine	U	9.52	ug/L	1.90	9.52
85-68-7	Butylbenzylphthalate	U	9.52	ug/L	1.90	9.52
56-55-3	Benzo(a)anthracene	U	0.952	ug/L	0.190	0.952
91-94-1	3,3'-Dichlorobenzidine	U	9.52	ug/L	0.952	9.52
218-01-9	Chrysene	U	0.952	ug/L	0.190	0.952
117-81-7	bis(2-Ethylhexyl)phthalate	U	9.52	ug/L	1.90	9.52
117-84-0	Di-n-octylphthalate	U	9.52	ug/L	2.86	9.52
205-99-2	Benzo(b)fluoranthene	U	0.952	ug/L	0.190	0.952
207-08-9	Benzo(k)fluoranthene	U	0.952	ug/L	0.190	0.952
50-32-8	Benzo(a)pyrene	U	0.952	ug/L	0.190	0.952
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.952	ug/L	0.190	0.952
53-70-3	Dibenzo(a,h)anthracene	U	0.952	ug/L	0.190	0.952
191-24-2	Benzo(ghi)perylene	U	0.952	ug/L	0.190	0.952
86-74-8	Carbazole	U	0.952	ug/L	0.190	0.952
120-82-1	1,2,4-Trichlorobenzene	U	9.52	ug/L	1.90	9.52

Data File: /chem/MSD4.i/s012108.b/s4a2121.d
Report Date: 22-Jan-2008 10:15

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GEL Laboratories LLC

GEL Laboratories, LLC

Data file : /chem/MSD4.i/s012108.b/s4a2121.d
Lab Smp Id: 201226002 Client Smp ID: IR13-SB03
Inj Date : 21-JAN-2008 20:03
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |201226002|719409|1|SVM|1|CATL
Misc Info : |MSD8270_L|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
Meth Date : 21-Jan-2008 15:36 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 16:18 Cal File: s410605.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 201226.sub
Target Version: 3.50
Processing Host: hpc1p1

Concentration Formula: Amt * DF * Uf * Vt/(Vo *Vi) * CpndVariable

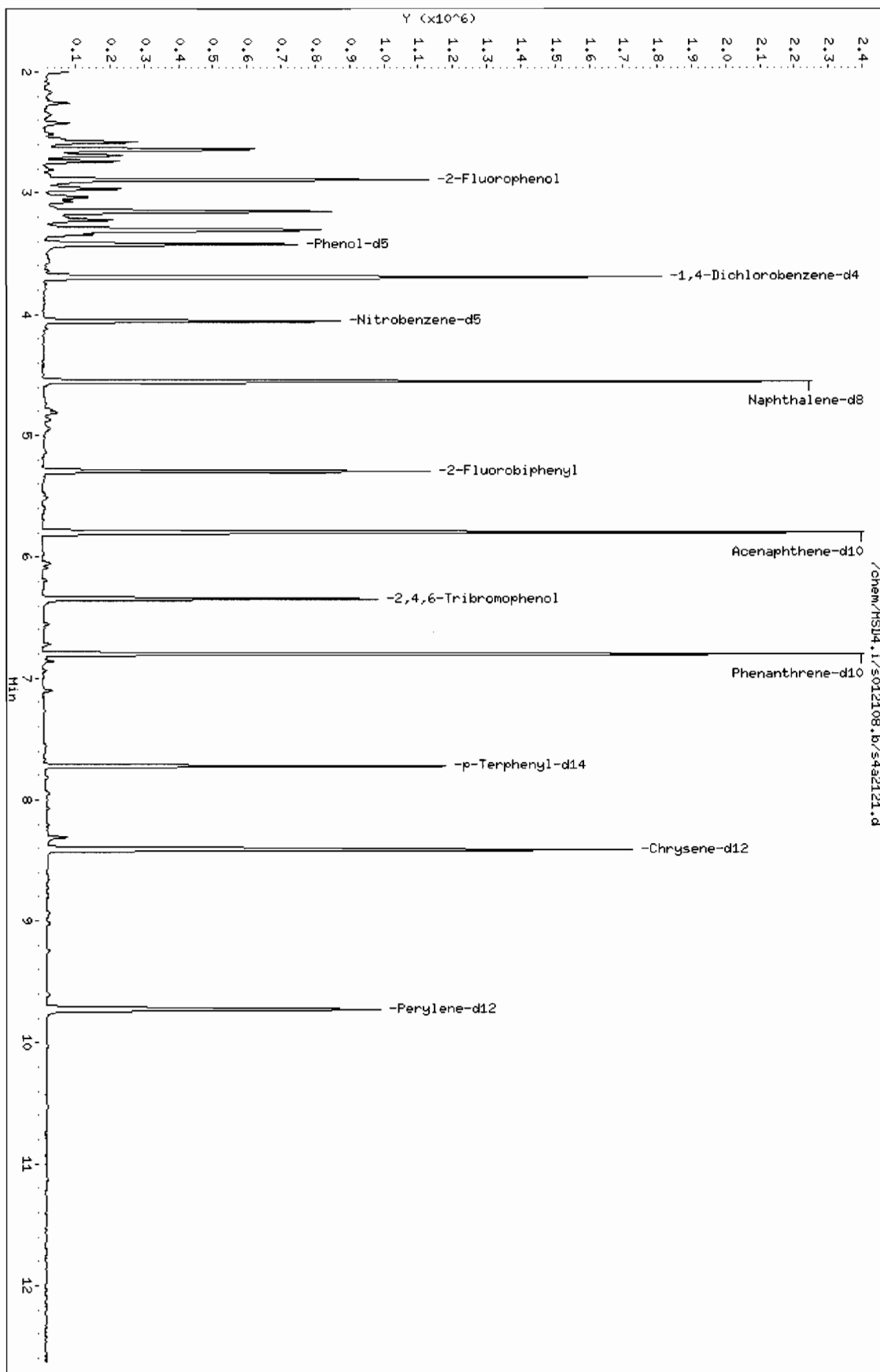
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	500.00000	ng unit correction factor
Vt	1.00000	volume of final ext
Vo	1050.00000	volume of sample ext
Vi	0.50000	volume injected

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG				CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	ON-COLUMN	FINAL
=====	=====	==	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.693	3.693	(1.000)	295095	40.0000
* 29 Naphthalene-d8	136	4.551	4.557	(1.000)	1175904	40.0000
* 46 Acenaphthene-d10	164	5.798	5.804	(1.000)	622742	40.0000
* 67 Phenanthrene-d10	188	6.804	6.804	(1.000)	1098202	40.0000
* 91 Chrysene-d12	240	8.410	8.416	(1.000)	739401	40.0000
* 98 Perylene-d12	264	9.722	9.728	(1.000)	475390	40.0000
\$ 3 2-Fluorophenol	112	2.893	2.899	(0.783)	366143	36.7
\$ 5 Phenol-d5	99	3.422	3.428	(0.927)	323123	26.6
\$ 20 Nitrobenzene-d5	82	4.051	4.057	(0.890)	316029	25.2
\$ 39 2-Fluorobiphenyl	172	5.298	5.298	(0.914)	439839	19.9
\$ 60 2,4,6-Tribromophenol	329	6.345	6.351	(1.094)	112045	49.3
\$ 81 p-Terphenyl-d14	244	7.728	7.728	(0.919)	417083	24.4

Data File: /chem/HSD4.i/s012108.b/s4a2121.d
Date : 21-Jan-2008 20:03
Client ID: IR13-SB03
Sample Info: 120126002/719409/11SUM11ICATL
Volume Injected (uL): 0.5
Column phase: J&W DB-5MS

Instrument: HSD4.i
Operator: JHB3
Column diameter: 0.20



STANDARDS DATA

SW846 8270C/EPA 625								
Calibration Standard Concentration Levels*								
	Level 1	Level 2	Level 3	Level 4#	Level 5	Level 6	Level 7	Level 8
1,4-Dichlorobenzene-d4 (INTERNAL STANDARD)								
Naphthalene-d8 (INTERNAL STANDARD)								
Acenaphthene-d10 (INTERNAL STANDARD)								
Phenanthrene-d10 (INTERNAL STANDARD)								
Chrysene-d12 (INTERNAL STANDARD)								
Perylene-d12 (INTERNAL STANDARD)								
2-Fluorophenol (SURROGATE)		10	20	40	50	80	100	120
Phenol-d5 (SURROGATE)		10	20	40	50	80	100	120
2-Chlorophenol-d4 (CLP SURROGATE)		10	20	40	50	80	100	120
1,2-Dichlorobenzene-d4 (CLP SURROGATE)		10	20	40	50	80	100	120
Nitrobenzene-d5 (SURROGATE)		10	20	40	50	80	100	120
2-Fluorobiphenyl (SURROGATE)		10	20	40	50	80	100	120
2,4,6-Tribromophenol (SURROGATE)		10	20	40	50	80	100	120
p-Terphenyl-d14 (SURROGATE)		10	20	40	50	80	100	120
N-Nitrosodimethylamine		10	20	40	50	80	100	120
Pyridine		10	20	40	50	80	100	120
Aniline		10	20	40	50	80	100	120
Benzaldehyde		10	20	40	50	80	100	120
Phenol		10	20	40	50	80	100	120
bis(2-Chloroethyl)ether		10	20	40	50	80	100	120
2-Chlorophenol		10	20	40	50	80	100	120
n-Decane		10	20	40	50	80	100	120
1,3-Dichlorobenzene		10	20	40	50	80	100	120
1,4-Dichlorobenzene		10	20	40	50	80	100	120
Benzyl Alcohol		10	20	40	50	80	100	120
1,2-Dichlorobenzene		10	20	40	50	80	100	120
bis(2-Chloroisopropyl)ether		10	20	40	50	80	100	120
o-Cresol (2-Methylphenol)		10	20	40	50	80	100	120
Acetophenone		10	20	40	50	80	100	120
N-Nitrosodipropylamine		10	20	40	50	80	100	120
m,p-Cresols (3-Methylphenol & 4-Methylphenol)		10	20	40	50	80	100	120
Hexachloroethane		10	20	40	50	80	100	120
Nitrobenzene		10	20	40	50	80	100	120
Isophorone		10	20	40	50	80	100	120
2-Nitrophenol		10	20	40	50	80	100	120
2,4-Dimethylphenol		10	20	40	50	80	100	120
bis(2-Chloroethoxy)methane		10	20	40	50	80	100	120
2,4-Dichlorophenol		10	20	40	50	80	100	120
Benzoic Acid			20	40	50	80	100	120
1,2,4-Trichlorobenzene		10	20	40	50	80	100	120
Naphthalene	1	10	20	40	50	80	100	120
alpha-Terpineol		10	20	40	50	80	100	120
4-Chloroaniline		10	20	40	50	80	100	120

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Caprolactam		10	20	40	50	80	100	120

SW846 8270C/EPA 625

Calibration Standard Concentration Levels*

	Level 1	Level 2	Level 3	Level 4#	Level 5	Level 6	Level 7	Level 8
Hexachlorobutadiene		10	20	40	50	80	100	120
4-Chloro-3-methylphenol		10	20	40	50	80	100	120
2-Methylnaphthalene	1	10	20	40	50	80	100	120
1-Methylnaphthalene	1	10	20	40	50	80	100	120
Hexachlorocyclopentadiene		10	20	40	50	80	100	120
1,1'-Biphenyl		10	20	40	50	80	100	120
2,3-Dichloroaniline		10	20	40	50	80	100	120
2,4,6-Trichlorophenol		10	20	40	50	80	100	120
2,4,5-Trichlorophenol		10	20	40	50	80	100	120
2-Chloronaphthalene	1	10	20	40	50	80	100	120
o-Nitroaniline		10	20	40	50	80	100	120
m-Nitroaniline		10	20	40	50	80	100	120
Dimethylphthalate		10	20	40	50	80	100	120
2,6-Dinitrotoluene		10	20	40	50	80	100	120
Acenaphthylene	1	10	20	40	50	80	100	120
Acenaphthene	1	10	20	40	50	80	100	120
2,4-Dinitrophenol			20	40	50	80	100	120
Dibenzofuran		10	20	40	50	80	100	120
2,4-Dinitrotoluene		10	20	40	50	80	100	120
Diethylphthalate		10	20	40	50	80	100	120
4-Nitrophenol		10	20	40	50	80	100	120
Fluorene	1	10	20	40	50	80	100	120
4-Chlorophenyl phenyl ether		10	20	40	50	80	100	120
2-Methyl-4,6-dinitrophenol		10	20	40	50	80	100	120
p-Nitroaniline		10	20	40	50	80	100	120
Diphenylamine		10	20	40	50	80	100	120
1,2-Diphenylhydrazine		10	20	40	50	80	100	120
Tributylphosphate		10	20	40	50	80	100	120
4-Bromophenyl phenylether		10	20	40	50	80	100	120
Hexachlorobenzene		10	20	40	50	80	100	120
Atrazine		10	20	40	50	80	100	120
Pentachlorophenol		10	20	40	50	80	100	120
n-Octadecane		10	20	40	50	80	100	120
Phenanthrene	1	10	20	40	50	80	100	120
Anthracene	1	10	20	40	50	80	100	120
Di-n-butylphthalate		10	20	40	50	80	100	120
Fluoranthene	1	10	20	40	50	80	100	120
Benzidine	10	20	50	100	150	200	250	300
Pyrene	1	10	20	40	50	80	100	120
Butylbenzylphthalate		10	20	40	50	80	100	120
Benzo(a)anthracene	1	10	20	40	50	80	100	120
3,3'-Dichlorobenzidine	10	20	50	100	150	200	250	300

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Chrysene	1	10	20	40	50	80	100	120
bis (2-Ethylhexyl) phthalate	1	10	20	40	50	80	100	120
Di-n-octylphthalate		10	20	40	50	80	100	120

SW846 8270C/EPA 625

Calibration Standard Concentration Levels*

	Level 1	Level 2	Level 3	Level 4#	Level 5	Level 6	Level 7	Level 8
Benzo(b)fluoranthene	1	10	20	40	50	80	100	120
Benzo(k)fluoranthene	1	10	20	40	50	80	100	120
Benzo(a)pyrene	1	10	20	40	50	80	100	120
Indeno-(1,2,3-cd)pyrene	1	10	20	40	50	80	100	120
Dibenzo(a,h)anthracene	1	10	20	40	50	80	100	120
Benzo(ghi)perylene	1	10	20	40	50	80	100	120
Carbazole	1	10	20	40	50	80	100	120

APPENDIX IX

1,4-Dioxane		10	20	40	50	80	100	120
Methyl methacrylate		10	20	40	50	80	100	120
Ethyl methacrylate		10	20	40	50	80	100	120
2-Picoline		10	20	40	50	80	100	120
N-Nitrosomethylethylamine		10	20	40	50	80	100	120
Methyl methanesulfonate		10	20	40	50	80	100	120
N-Nitrosodiethylamine		10	20	40	50	80	100	120
Ethyl methanesulfonate		10	20	40	50	80	100	120
Pentachloroethane		10	20	40	50	80	100	120
N-Nitrosopyrrolidine		10	20	40	50	80	100	120
N-Nitrosomorpholine		10	20	40	50	80	100	120
o-Toluidine		10	20	40	50	80	100	120
N-Nitrosopiperidine		10	20	40	50	80	100	120
a,a-Dimethylphenethylamine		10	20	40	50	80	100	120
Triethylphosphorothioate		10	20	40	50	80	100	120
2,6-Dichlorophenol		10	20	40	50	80	100	120
Hexachloropropene		10	20	40	50	80	100	120
p-Phenylenediamine		10	20	40	50	80	100	120
N-Nitrosodi-n-butylamine		10	20	40	50	80	100	120
Safrole		10	20	40	50	80	100	120
1,2,4,5-Tetrachlorobenzene		10	20	40	50	80	100	120
Isosafrole		10	20	40	50	80	100	120
1,4-Naphthoquinone		10	20	40	50	80	100	120
m-Dinitrobenzene		10	20	40	50	80	100	120
Pentachlorobenzene		10	20	40	50	80	100	120
1-Naphthylamine		10	20	40	50	80	100	120
2-Naphthylamine		10	20	40	50	80	100	120
2,3,4,6-Tetrachlorophenol		10	20	40	50	80	100	120
5-Nitro-o-toluidine		10	20	40	50	80	100	120

Thionazin		10	20	40	50	80	100	120
Sulfotepp		10	20	40	50	80	100	120
Phorate		10	20	40	50	80	100	120
1,3,5-Trinitrobenzene		10	20	40	50	80	100	120
Phenacetin		10	20	40	50	80	100	120
Diallate (cis and trans)		10	20	40	50	80	100	120

SW846 8270C/EPA 625

Calibration Standard Concentration Levels*

	Level 1	Level 2	Level 3	Level 4#	Level 5	Level 6	Level 7	Level 8
Dimethoate		10	20	40	50	80	100	120
4-Aminobiphenyl		10	20	40	50	80	100	120
Pentachloronitrobenzene		10	20	40	50	80	100	120
Pronamide		10	20	40	50	80	100	120
Dinoseb		10	20	40	50	80	100	120
Disulfoton		10	20	40	50	80	100	120
Methyl parathion		10	20	40	50	80	100	120
4-Nitroquinoline oxide		10	20	40	50	80	100	120
Methapyrilene		10	20	40	50	80	100	120
Isodrin		10	20	40	50	80	100	120
Aramite		10	20	40	50	80	100	120
Kepone		10	20	40	50	80	100	120
p-(Dimethylamino)azobenzene		10	20	40	50	80	100	120
Chlorobenzilate		10	20	40	50	80	100	120
3,3'-Dimethylbenzidine		10	20	40	50	80	100	120
Famphur		10	20	40	50	80	100	120
2-Acetylaminofluorene		10	20	40	50	80	100	120
7,12-Dimethylbenz(a)anthracene		10	20	40	50	80	100	120
3-Methylcholanthrene		10	20	40	50	80	100	120
Hexachlorophene		500	1000	1250	2000	2500		
p-Benzoquinone		10	20	40	50	80	100	120
Parathion		10	20	40	50	80	100	120
Methoxychlor		10	20	40	50	80	100	120
2-Ethoxyethanol		50	75	100	125	150	200	250
cis-Diallate		1.5	3	6	7.5	12	15	18
trans-Diallate		8.5	17	34	42	68	85	102
Dibenzo(a,e)pyrene		50	75	100	125	150	200	250
Phthalic anhydride		50	75	100	125	150	200	250
1,4-Dinitrobenzene		50	75	100	125	150	200	250
(2,3-Dibromopropyl)phosphate		50	75	100	125	150	200	250
Methylenebis(2-chloroaniline)		50	75	100	125	150	200	250

All values are mg/L without the prep factor.

Indicates the calibration verification concentration level used

* Usual calibration levels using SCAN methodology

(04/04)

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Report Date: 25-Jan-2008 11:20

Calibration History

Method : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
Start Cal Date: 04-DEC-2007 13:26
End Cal Date : 09-JAN-2008 01:04

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 1.00000		
08-JAN-2008 15:14	AP12	/chem/MSD4.i/s010808.b/s4a0815.d
08-JAN-2008 11:04	MEGAI1	/chem/MSD4.i/s010808.b/s4a0803.d

Cal Level: 2 , Cal Amount: 10.00000		
06-DEC-2007 15:38	2	/chem/MSD4.i/s120607.b/s410603.d
06-DEC-2007 15:38	1	/chem/MSD4.i/s120607.b/s410603.d
06-DEC-2007 15:38	NEV	/chem/MSD4.i/s120607.b/s410603.d
08-JAN-2008 22:50	ECAREICAL	/chem/MSD4.i/s010808.b/s4a0839.d
08-JAN-2008 19:57	HEX	/chem/MSD4.i/s010808.b/s4a0830.d
08-JAN-2008 17:45	PEST	/chem/MSD4.i/s010808.b/s4a0823.d
08-JAN-2008 15:33	AP12	/chem/MSD4.i/s010808.b/s4a0816.d
08-JAN-2008 11:26	MEGAI1	/chem/MSD4.i/s010808.b/s4a0804.d

Cal Level: 3 , Cal Amount: 20.00000		
06-DEC-2007 15:58	NEV	/chem/MSD4.i/s120607.b/s410604.d
08-JAN-2008 23:12	ECAREICAL	/chem/MSD4.i/s010808.b/s4a0840.d
08-JAN-2008 20:16	HEX	/chem/MSD4.i/s010808.b/s4a0831.d
08-JAN-2008 18:04	PEST	/chem/MSD4.i/s010808.b/s4a0824.d
08-JAN-2008 15:52	AP12	/chem/MSD4.i/s010808.b/s4a0817.d
08-JAN-2008 11:49	MEGAI1	/chem/MSD4.i/s010808.b/s4a0805.d

Cal Level: 4 , Cal Amount: 40.00000		
06-DEC-2007 16:18	NEV	/chem/MSD4.i/s120607.b/s410605.d
08-JAN-2008 23:34	ECAREICAL	/chem/MSD4.i/s010808.b/s4a0841.d
08-JAN-2008 20:35	HEX	/chem/MSD4.i/s010808.b/s4a0832.d
08-JAN-2008 18:22	PEST	/chem/MSD4.i/s010808.b/s4a0825.d
08-JAN-2008 16:11	AP12	/chem/MSD4.i/s010808.b/s4a0818.d
08-JAN-2008 12:11	MEGAI1	/chem/MSD4.i/s010808.b/s4a0806.d

Cal Level: 5 , Cal Amount: 50.00000		
06-DEC-2007 16:44	NEV	/chem/MSD4.i/s120607.b/s410606.d
08-JAN-2008 23:57	ECAREICAL	/chem/MSD4.i/s010808.b/s4a0842.d
08-JAN-2008 20:54	HEX	/chem/MSD4.i/s010808.b/s4a0833.d
08-JAN-2008 18:41	PEST	/chem/MSD4.i/s010808.b/s4a0826.d
08-JAN-2008 16:30	AP12	/chem/MSD4.i/s010808.b/s4a0819.d
08-JAN-2008 12:33	MEGAI1	/chem/MSD4.i/s010808.b/s4a0807.d

Cal Level: 6 , Cal Amount: 80.00000

06-DEC-2007	17:04	NEV	/chem/MSD4.i/s120607.b/s410607.d
09-JAN-2008	00:19	ECAREICAL	/chem/MSD4.i/s010808.b/s4a0843.d
08-JAN-2008	21:14	HEX	/chem/MSD4.i/s010808.b/s4a0834.d
08-JAN-2008	19:00	PEST	/chem/MSD4.i/s010808.b/s4a0827.d
08-JAN-2008	16:48	AP12	/chem/MSD4.i/s010808.b/s4a0820.d
08-JAN-2008	12:55	MEGAI1	/chem/MSD4.i/s010808.b/s4a0808.d

Cal Level: 7 , Cal Amount: 100.00000

06-DEC-2007	17:24	NEV	/chem/MSD4.i/s120607.b/s410608.d
09-JAN-2008	00:41	ECAREICAL	/chem/MSD4.i/s010808.b/s4a0844.d
08-JAN-2008	21:33	HEX	/chem/MSD4.i/s010808.b/s4a0835.d
08-JAN-2008	19:19	PEST	/chem/MSD4.i/s010808.b/s4a0828.d
08-JAN-2008	17:07	AP12	/chem/MSD4.i/s010808.b/s4a0821.d
08-JAN-2008	13:17	MEGAI1	/chem/MSD4.i/s010808.b/s4a0809.d

Cal Level: 8 , Cal Amount: 120.00000

06-DEC-2007	17:44	NEV	/chem/MSD4.i/s120607.b/s410609.d
09-JAN-2008	01:04	ECAREICAL	/chem/MSD4.i/s010808.b/s4a0845.d
08-JAN-2008	19:38	PEST	/chem/MSD4.i/s010808.b/s4a0829.d
08-JAN-2008	17:26	AP12	/chem/MSD4.i/s010808.b/s4a0822.d
08-JAN-2008	13:39	MEGAI1	/chem/MSD4.i/s010808.b/s4a0810.d

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 4

Ccal Level: 4 , Ccal Amount: 40.0

21-JAN-2008	13:51	MEGAI1	/chem/MSD4.i/s012108.b/s4a2102.d

Ccal Level: 4 , Ccal Amount: 40.0

21-JAN-2008	14:14	NEV	/chem/MSD4.i/s012108.b/s4a2103.d

Ccal Level: 4 , Ccal Amount: 40.0

21-JAN-2008	14:55	PEST	/chem/MSD4.i/s012108.b/s4a2105.d

Ccal Level: 4 , Ccal Amount: 40.0

21-JAN-2008	14:33	AP12	/chem/MSD4.i/s012108.b/s4a2104.d

Ccal Level: 4 , Ccal Amount: 40.0

21-JAN-2008	13:16	NEV	/chem/MSD4.i/s012108.b/s4a2104.d

Ccal Level: 4 , Ccal Amount: 40.0

21-JAN-2008	12:57	MEGAI1	/chem/MSD4.i/s012108.b/s4a2103.d

Ccal Level: 4 , Ccal Amount: 40.0

21-JAN-2008	12:34	MEGAI1	/chem/MSD4.i/s012108.b/s4a2102.d

GEL Laboratories LLC

INITIAL CALIBRATION DATA

Start Cal Date : 04-DEC-2007 13:26
 End Cal Date : 09-JAN-2008 01:04
 Quant Method : ISTD
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
 Cal Date : 21-Jan-2008 15:36 jos00786

Calibration File Names:

Level 1: /chem/MSD4.i/s010808.b/s4a0815.d
 Level 2: /chem/MSD4.i/s120607.b/s4l0603.d
 Level 3: /chem/MSD4.i/s120607.b/s4l0604.d
 Level 4: /chem/MSD4.i/s120607.b/s4l0605.d
 Level 5: /chem/MSD4.i/s120607.b/s4l0606.d
 Level 6: /chem/MSD4.i/s120607.b/s4l0607.d
 Level 7: /chem/MSD4.i/s120607.b/s4l0608.d
 Level 8: /chem/MSD4.i/s120607.b/s4l0609.d

Compound	1 Level 1	10 Level 2	20 Level 3	40 Level 4	50 Level 5	80 Level 6	Curve	b	Coefficients ml	m2	%RSD or R^2
1 N-Methyl-N-nitrosomethylamine	++++ 0.97410	1.02856 0.94858	1.11742	1.01603	1.00111	1.02364	AVRG		1.01564		5.24462
2 Pyridine	++++ 1.27571	1.24055 1.26291	1.36592	1.28613	1.58566	1.33545	AVRG		1.33605		8.84551
4 Aniline	++++ 0.68508	0.69375 0.68687	0.75187	0.70120	0.67356	0.70063	AVRG		0.69900		3.60920
209 Benzaldehyde	++++ 0.87569	1.15502 0.83610	1.14324	1.09793	1.06411	0.93432	AVRG		1.01520		12.92239
6 Phenol	++++ 1.50287	1.81938 1.48271	1.93596	1.71904	1.64351	1.63217	AVRG		1.67652		9.74962

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Start Cal Date : 04-DEC-2007 13:26
 End Cal Date : 09-JAN-2008 01:04
 Quant Method : ISTD
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
 Cal Date : 21-Jan-2008 15:36 jos00786

Compound	1	10	20	40	50	80	Curve	b	Coefficients m1	m2	%RSD or R^2
7 bis(2-Chloroethyl) ether	++++ 1.14729	1.45338 1.10104	1.50101	1.32937	1.28083	1.24387	AVRG		1.29383		11.41835
8 2-Chlorophenol	++++ 1.09568	1.39210 1.07784	1.47710	1.29095	1.24734	1.19045	AVRG		1.25306		11.76447
203 n-Decane	++++ 1.00367	2.04160 0.90193	1.99297	1.58883	1.45371	1.12975	AVRG		1.44464		31.79723
9 1,3-Dichlorobenzene	++++ 1.12614	1.57519 1.11143	1.59329	1.36521	1.31389	1.22278	AVRG		1.32970		14.78065
11 1,4-Dichlorobenzene	++++ 892797	137968 1004977	264874	444571	505950	827829	AVRG				
12 Benzyl alcohol	++++ 0.89205	0.96051 0.90325	1.06080	0.94787	0.92747	0.94363	AVRG	-0.26589	0.98387		0.99222
13 1,2-Dichlorobenzene	++++ 852553	131795 996608	256830	435232	496663	796475	AVRG		0.94794		5.85043
14 bis(2-Chloroisopropyl) ether	++++ 2.21292	3.03040 ++++	3.14190	2.75896	2.67440	2.46050	AVRG	-0.25797	0.96128		0.99292
15 o-Cresol	++++ 0.88798	1.18859 0.87869	1.22277	1.05665	1.01985	0.97621	AVRG		2.71318		12.79041
							AVRG		1.03296		13.04943

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 Cal Date : 21-Jan-2008 15:36 jos00786

Compound	1 Level 1	10 Level 2	20 Level 3	40 Level 4	50 Level 5	80 Level 6	Curve	b	Coefficients ml	m2	%RSD or R^2
100	100	120									
Level 7	Level 8										
16 Acetophenone	++++	2.03969	1.97213	1.88495	1.77663	1.61041	AVRG		1.75170		12.95567
	1.51353	1.46459									
17 N-Nitrosodipropylamine	1.01616	1.12540	1.19737	1.07781	1.07866	1.08230	AVRG				
	0.98881	0.98490							1.06892		6.73707
18 m,p-Cresols	++++	1.47776	1.59356	1.39917	1.35835	1.38114	AVRG		1.40692		7.01570
	1.31070	1.32779									
19 Hexachloroethane	++++	0.66443	0.68574	0.60785	0.57958	0.55181	AVRG				
	0.50502	0.49229							0.58382		12.72115
21 Nitrobenzene	++++	0.42757	0.45664	0.40631	0.40333	0.38585	AVRG				
	0.36180	0.32883							0.39576		10.62964
22 Isophorone	++++	0.72512	0.77343	0.71006	0.71286	0.71780	AVRG				
	0.68963	0.68068							0.71565		4.18089
23 2-Nitrophenol	++++	61389	124991	204359	226820	381319	LINR	-0.25588	0.11621		0.99270
	416497	490885									
24 2,4-Dimethylphenol	++++	0.33952	0.34457	0.28999	0.28356	0.26566	AVRG		0.28650		14.81132
	0.24566	0.23652									
25 bis(2-Chloroethoxy)methane	++++	0.48222	0.49606	0.44916	0.44033	0.41778	AVRG				
	0.39242	0.37042							0.43548		10.46690

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Compound	1 Level 1	10 Level 2	20 Level 3	40 Level 4	50 Level 5	80 Level 6	Curve	b	Coefficients ml	m2	%RSD or R^2
26 2,4-Dichlorophenol	++++ 0.22377	0.25588 0.21236	0.27862 0.21236	0.25190	0.24884	0.23761	AVRG		0.24414		8.96893
27 Benzoic acid	++++ 633938	++++ 753263	60939	163134	208297	497510	LINR	0.39653	0.22074		0.99117
28 1,2,4-Trichlorobenzene	++++ 0.23134	0.30232 0.21881	0.30837	0.27448	0.26875	0.24701	AVRG		0.26444		12.88523
30 Naphthalene	1.29198 ++++	1.16224 ++++	1.15506	0.97161	0.94883	++++	AVRG		1.10594		13.01877
204 alpha-Terpineol	++++ 0.22270	0.31345 ++++	0.32449	0.28007	0.27073	0.23661	AVRG		0.27468		14.72598
31 4-Chloroaniline	++++ 0.40828	0.47756 0.38008	0.51317	0.47451	0.45743	0.42858	AVRG		0.44851		10.16806
189 Caprolactam	++++ 0.10039	0.10932 0.10191	0.11879	0.11707	0.11135	0.10753	AVRG		0.10948		6.36700
32 Hexachlorobutadiene	++++ 0.14468	0.17150 0.14211	0.17615	0.15465	0.15147	0.15045	AVRG		0.15586		8.36534
33 4-Chloro-3-methylphenol	++++ 0.27237	0.30758 0.25449	0.33702	0.30538	0.30511	0.28439	AVRG		0.29519		9.17360

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 Cal Date : 21-Jan-2008 15:36 jos00786

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	ml	m2	%RSD or R^2
100	120										
Level 7	Level 8										
34 2-Methylnaphthalene	0.70671 0.47640	0.66930 ++++	0.67941	0.58199	0.56456	0.51322	AVRG		0.59880		14.76082
35 1-Methylnaphthalene	0.73620 ++++	0.67342 ++++	0.67120	0.56539	0.56190	0.50459	AVRG		0.61878		14.20825
36 Hexachlorocyclopentadiene	++++ 259976	15009 311478	50844	104535	126652	230047	LINR	0.01279	0.14555		0.99491
208 1,1'-Biphenyl	++++ 1.15910	1.62233 1.15548	1.55393	1.39247	1.36146	1.17952	AVRG		1.34633		14.25297
205 2,3-Dichloroaniline	++++ 765350	115072 933974	225259	375328	431413	701602	LINR	-0.29896	0.38954		0.99313
37 2,4,6-Trichlorophenol	++++ 0.24871	0.31866 0.27684	0.33769	0.28241	0.26831	0.27108	AVRG		0.28624		10.82587
38 2,4,5-Trichlorophenol	++++ 0.31005	0.35378 0.27891	0.39248	0.36212	0.36090	0.31285	AVRG		0.33873		11.57589
40 2-Chloronaphthalene	1.31951 ++++	1.26346 ++++	1.26592	1.05355	1.02073	0.90574	AVRG		1.13815		14.69581
42 o-Nitroaniline	++++ 0.36365	0.39874 0.35192	0.44015	0.40277	0.39072	0.37198	AVRG		0.38856		7.58375

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Compound	1	10	20	40	50	80	Curve	b	ml	m2	%RSD or R^2
41 m-Nitroaniline	++++ 0.27161	0.27992 0.26301	0.26277	0.30287	0.28402	0.28650	AVRG		0.27867		5.12758
43 Dimethylphthalate	++++ 1.07229	1.45284 1.04247	1.47256	1.26885	1.24539	1.12865	AVRG		1.24044		13.95493
44 2,6-Dinitrotoluene	++++ 0.25663	0.33542 ++++	0.36158	0.31564	0.30511	0.26462	AVRG		0.30650		13.20940
45 Acenaphthylene	2.16601 ++++	2.18223 ++++	2.14912	1.78092	1.72922	1.51870	AVRG		1.92103		14.69674
47 Acenaphthene	26907 1511326	231079 1902914	439702	721260	858409	1386751	ILINR	-0.17316	0.82153		0.99221
48 2,4-Dinitrophenol	++++ 0.10669	++++ 0.11287	0.07832	0.09075	0.08594	0.09902	AVRG		0.09560		13.62517
49 Dibenzofuran	++++ 2074971	320280 2538744	615521	1005526	1176129	1903838	ILINR	-0.30340	1.05522		0.99386
50 2,4-Dinitrotoluene	++++ 0.33919	0.40481 0.33154	0.44586	0.39236	0.38868	0.35528	AVRG		0.37967		10.64719
51 Diethylphthalate	++++ 1851252	277045 2351179	539613	896236	1066384	1718408	ILINR	-0.26359	0.97400		0.99436

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Compound	1 Level 1	10 Level 2	20 Level 3	40 Level 4	50 Level 5	80 Level 6	Curve	b	Coefficients ml	m2	%RSD or R^2
52 4-Nitrophenol	++++ 0.20590	0.15197 0.19996	0.21119	0.20703	0.20166	0.20598	AVRG		0.19767		10.36133
53 Fluorene	28297 1729859	265389 2204290	511304	810774	956740	1551147	LINR	-0.16115	0.94272		0.99358
54 4-Chlorophenylphenylether	++++ 863043	122630 1121010	239007	393731	466270	751365	LINR	-0.17891	0.46520		0.99616
55 2-Methyl-4,6-dinitrophenol	++++ 0.09797	0.06817 0.09543	0.10048	0.10075	0.10008	0.09938	AVRG		0.09461		12.47318
56 p-Nitroaniline	++++ 0.25187	0.26641 0.24287	0.26966	0.24962	0.23542	0.25183	AVRG		0.25253		4.80067
133 Diphenylamine	++++ 1440651	212826 1827837	407505	665815	774959	1305162	LINR	-0.21284	0.44737		0.99598
58 1,2-Diphenylhydrazine	++++ 0.71705	0.96665 0.67808	0.98303	0.86438	0.81184	0.80777	AVRG		0.83269		13.85743
59 Tributylphosphate	++++ 1.27711	1.79853 1.21336	1.58806	1.51875	1.46730	1.34253	AVRG		1.45795		13.79077
61 4-Bromophenylphenylether	++++ 0.16410	0.19753 0.16653	0.20146	0.17448	0.17053	0.16789	AVRG		0.17750		8.68082

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 Cal Date : 21-Jan-2008 15:36 jos00786

Compound	1 Level 1	10 Level 2	20 Level 3	40 Level 4	50 Level 5	80 Level 6	Curve	b	m1	m2	%RSD or R^2
63 Hexachlorobenzene	++++ 0.17906	0.21299 0.19622	0.22043	0.18559	0.18300	0.18729	AVRG		0.19494		8.15905
207 Atrazine	++++ 0.04516	0.06060 0.04012	0.05967	0.05431	0.05250	0.04675	AVRG		0.05130		14.89566
65 Pentachlorophenol	++++ 217314	10650 ++++	32029	64939	87968	179413	LINR	0.21873	0.07903		0.99287
206 n-Octadecane	++++ 0.29669	0.70705 0.27164	0.66545	0.50681	0.46464	0.34184	AVRG		0.46487		37.40342
68 Phenanthrene	39021 2289880	361477 3224756	681409	1050727	1361160	2121288	LINR	-0.12151	0.78169		0.99429
69 Anthracene	35224 2375566	347204 3106353	689446	1138548	1305180	2119581	LINR	-0.13954	0.77206		0.99465
72 Di-n-butylphthalate	++++ 2694857	444458 3736772	870763	1354065	1652095	2521315	LINR	-0.26873	0.86639		0.99324
76 Fluoranthene	1.02655 0.81316	1.08488 0.85429	1.10537	0.89014	0.90057	0.83241	AVRG		0.93842		12.40464
77 Benzidine	++++ 0.48339	0.56361 0.46907	0.48129	0.52050	0.51696	0.44307	AVRG		0.49684		8.01183

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Compound	1 Level 1	10 Level 2	20 Level 3	40 Level 4	50 Level 5	80 Level 6	Curve	b	Coefficients ml	m2	%RSD or R^2
79 Pyrene	1.53633 1.25308	1.56292 1.26199	1.48579	1.27016	1.29402	1.29529	AVRG		1.36995		9.75246
85 Butylbenzylphthalate	++++ 0.55251	0.72304 0.50484	0.73598	0.65772	0.64676	0.59129	AVRG		0.63031		13.60251
89 Benzo(a)anthracene	1.21867 1.15906	1.24695 1.16369	1.27730	1.15128	1.20582	1.17507	AVRG		1.19973		3.80029
90 3,3'-Dichlorobenzidine	++++ 0.33231	0.32803 0.34374	0.33340	0.34611	0.34633	0.32439	AVRG		0.33633		2.67773
92 Chrysene	1.41074 1.06555	1.26224 1.03477	1.29829	1.11901	1.05872	1.03224	AVRG		1.16032		12.40919
93 bis(2-Ethylhexyl)phthalate	0.72838 0.79669	0.98460 0.73415	1.03010	0.94073	0.91501	0.84895	AVRG		0.87232		13.00428
94 Di-n-octylphthalate	++++ 1.66547	1.62003 1.50811	1.89439	1.79671	1.82360	1.71873	AVRG		1.71815		7.69469
95 Benzo(b)fluoranthene	1.34682 1.29958	1.43861 1.34242	1.46064	1.28969	1.33041	1.36069	AVRG		1.35861		4.50692
96 Benzo(k)fluoranthene	1.34102 1.17251	1.36807 1.01704	1.52090	1.40265	1.31927	1.11652	AVRG		1.28225		12.96601

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Compound	1 Level 1	10 Level 2	20 Level 3	40 Level 4	50 Level 5	80 Level 6	Curve	b	Coefficients ml	m2	%RSD or R^2
97 Benzo(a)pyrene	1.00072 1.07296	1.14051 1.04611	1.27718 1.04611	1.16415 1.04611	1.15476 1.04611	1.09378 1.04611	AVRG		1.11877		7.61897
99 Indeno(1,2,3-cd)pyrene	0.91310 0.94761	1.05461 1.03519	1.19447 1.03519	1.02812 1.03519	1.10332 1.03519	1.00332 1.03519	AVRG		1.03497		8.48878
100 Dibenzo(a,h)anthracene	0.76432 0.78099	0.87612 0.85713	0.99647 0.85713	0.84653 0.85713	0.90367 0.85713	0.82635 0.85713	AVRG		0.85645		8.53553
101 Benzo(ghi)perylene	0.80596 0.81227	0.87553 0.90977	1.01573 0.90977	0.87540 0.90977	0.95008 0.90977	0.85430 0.90977	AVRG		0.88738		7.91784
102 1,4-Dioxane	++++ 0.48325	0.67321 ++++	0.65362 ++++	0.60389 ++++	0.56760 ++++	0.50493 ++++	AVRG		0.58108		13.29025
103 Methyl methacrylate	++++ 0.25132	0.35487 ++++	0.35080 ++++	0.31409 ++++	0.29329 ++++	0.26082 ++++	AVRG		0.30420		14.43073
104 Ethyl methacrylate	++++ 1.12309	1.39913 0.98514	1.40127 0.98514	1.31588 0.98514	1.27770 0.98514	1.17341 0.98514	AVRG		1.23938		12.39370
105 2-Picoline	++++ 1.36331	1.77045 1.21648	1.75303 1.21648	1.64465 1.21648	1.57745 1.21648	1.42745 1.21648	AVRG		1.53612		13.53307
106 N-Nitrosomethylethylamine	++++ 0.73306	0.75937 0.73271	0.77316 0.73271	0.78758 0.73271	0.79562 0.73271	0.75363 0.73271	AVRG		0.76216		3.25000

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Compound	1 Level 1	10 Level 2	20 Level 3	40 Level 4	50 Level 5	80 Level 6	Curve	b	Coefficients m1	m2	%RSD or R^2
107 Methyl methanesulfonate	++++ 0.76038	0.85288 0.74200	0.84024	0.83891	0.84410	0.75803	AVRG		0.80522		6.07942
108 N-Nitrosodiethylamine	++++ 0.64729	0.74564 0.63431	0.75141	0.73603	0.72574	0.67258	AVRG		0.70186		7.00646
109 Ethyl Methanesulfonate	++++ 0.99322	1.10189 1.01985	1.09408	1.10272	1.10519	1.04128	AVRG		1.06546		4.36805
110 Pentachloroethane	++++ 0.40831	0.53652 0.38674	0.52893	0.50268	0.48401	0.43502	AVRG		0.46889		12.65151
111 N-Nitrosopyrrolidine	++++ 0.57601	0.70329 0.55396	0.72509	0.74433	0.69994	0.61718	AVRG		0.65997		11.56434
113 N-Nitrosomorpholine	++++ 0.81151	1.00735 0.69859	0.99753	0.99551	0.94231	0.84164	AVRG		0.89921		13.13854
114 o-Toluidine	++++ 1.80647	2.49710 ++++	2.45681	2.28956	2.15066	1.92100	AVRG		2.18694		12.87428
115 N-Nitrosopiperidine	++++ 0.15991	0.18227 0.15617	0.18402	0.18589	0.18186	0.16538	AVRG		0.17364		7.29056
116 a,a-Dimethylphenethylamine	++++ 1.07291	1.04996 1.04061	1.12680	1.16990	1.15847	1.09639	AVRG		1.10215		4.65131

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Compound	1 Level 1	10 Level 2	20 Level 3	40 Level 4	50 Level 5	80 Level 6	Curve	b	Coefficients m1	m2	SRSD or R^2
117 Triethylphosphorothioate	++++ 0.11847	0.16823 0.12018	0.15593 0.12018	0.14275 0.12018	0.13949 0.12018	0.12930 0.12018	AVRG	0.13919	0.13919	13.19784	
118 2,6-Dichlorophenol	++++ 0.20412	0.23648 0.19862	0.24753 0.19862	0.24202 0.19862	0.23827 0.19862	0.21449 0.19862	AVRG	0.22593	0.22593	8.74358	
119 Hexachloropropene	++++ 0.13318	0.12518 0.13335	0.13967 0.13335	0.14342 0.13335	0.15111 0.13335	0.13122 0.13335	AVRG	0.13673	0.13673	6.31961	
120 p-Phenylenediamine	++++ 0.25645	0.27274 0.22978	0.31113 0.22978	0.32498 0.22978	0.31282 0.22978	0.25733 0.22978	AVRG	0.28074	0.28074	12.76731	
121 N-Nitrosodi-n-butylamine	++++ 707448	100132 982752	188133 982752	383613 982752	487074 982752	611200 982752	AVRG				
122 Safrole	++++ 0.19059	0.26429 0.18963	0.25965 0.18963	0.23903 0.18963	0.22642 0.18963	0.20256 0.18963	AVRG	-0.29194	0.19778	0.99001	
123 1,2,4,5-Tetrachlorobenzene	++++ 0.42073	0.53665 0.43208	0.52281 0.43208	0.48664 0.43208	0.47355 0.43208	0.42800 0.43208	AVRG	0.22459	0.22459	13.93893	
124 Isosafrole	++++ 0.40558	0.51105 0.40585	0.50418 0.40585	0.48779 0.40585	0.47802 0.40585	0.42594 0.40585	AVRG	0.47150	0.47150	9.92357	
125 1,4-Naphthoquinone	++++ 0.31878	0.42185 ++++	0.46736 ++++	0.43666 ++++	0.40545 ++++	0.34798 ++++	AVRG	0.45977	0.45977	10.00973	
							AVRG	0.39968	0.39968	14.01598	

GEL Laboratories LLC

INITIAL CALIBRATION DATA

Start Cal Date : 04-DEC-2007 13:26
 End Cal Date : 09-JAN-2008 01:04
 Quant Method : ISTD
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
 Cal Date : 21-Jan-2008 15:36 jos00786

Compound	1 Level 1	10 Level 2	20 Level 3	40 Level 4	50 Level 5	80 Level 6	Curve	b	Coefficients m1	m2	%RSD or R^2
126 m-Dinitrobenzene	++++ 0.214821	0.23649 0.198311	0.26327	0.24136	0.24098	0.22108	AVRG		0.23090		9.19926
127 Pentachlorobenzene	++++ 0.37789	0.44013 0.41700	0.43030	0.40707	0.39897	0.37779	AVRG		0.40702		5.93884
128 1-Naphthylamine	++++ 0.88543	1.10601 0.88112	1.08688	1.05919	1.04442	0.91926	AVRG		0.99747		9.85622
129 2-Naphthylamine	++++ 0.95147	1.25672 0.93021	1.24154	1.16016	1.12368	0.97667	AVRG		1.09149		12.64898
130 2,3,4,6-Tetrachlorophenol	++++ 0.252061	0.25870 0.24037	0.31217	0.28855	0.27290	0.25138	AVRG		0.26802		9.36212
131 5-Nitro-o-toluidine	++++ 0.32597	0.32350 0.32773	0.35748	0.36508	0.35412	0.33719	AVRG		0.34158		4.99125
132 Thionazin	++++ 0.18892	0.24197 0.18358	0.23946	0.23030	0.23108	0.20229	AVRG		0.21680		11.33754
134 Sulfotepp	++++ 0.108961	0.11187 0.13354	0.10767	0.10710	0.11136	0.11812	AVRG		0.11409		8.18577
135 Phorate	++++ 0.38619	0.51070 0.35423	0.49086	0.46533	0.45696	0.41536	AVRG		0.43995		12.91643

GEL Laboratories LLC

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 Method file : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
 Cal Date : 21-Jan-2008 15:36 jos00786

Compound	1	10	20	40	50	80	Curve	b	Coefficients m1	m2	%RSD or R^2
136 1,3,5-Trinitrobenzene	Level 1 ++++ 0.15107	Level 2 0.12298 0.12556	Level 3 0.15042	Level 4 0.17116	Level 5 0.16821	Level 6 0.15531	AVRG		0.14924		12.63081
137 Phenacetin	Level 7 ++++ 0.35786	Level 8 0.34768 0.33375	0.37119	0.37164	0.37296	0.33581	AVRG		0.35584		4.78338
138 Dillate	++++ 0.26222	0.38210 ++++	0.36634	0.33667	0.32457	0.27805	AVRG		0.32499		14.59651
139 Dimethoate	++++ 0.26925	0.27825 0.26974	0.28303	0.28125	0.30970	0.28918	AVRG		0.28292		4.87577
140 4-Aminobiphenyl	++++ 0.57424	0.67012 0.54607	0.70584	0.62833	0.65052	0.56285	AVRG		0.61971		9.70571
141 Pentachloronitrobenzene	++++ 0.06929	0.08150 0.06680	0.07790	0.07240	0.07230	0.06864	AVRG		0.07269		7.27234
142 Pronamide	++++ 0.23575	0.31638 0.22222	0.29826	0.26109	0.25272	0.23760	AVRG		0.26057		13.30514
143 Dinoseb	++++ 382008	25551 530016	83074	155652	205433	344002	AVRG		0.03662		0.99754
144 Disulfoton	++++ 0.32253	0.44349 0.29989	0.43078	0.41086	0.38625	0.34247	AVRG		0.37661		14.80386

GEL Laboratories LLC

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 Method file : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
 Cal Date : 21-Jan-2008 15:36 jos00786

Compound	1 Level 1	10 Level 2	20 Level 3	40 Level 4	50 Level 5	80 Level 6	Curve	b	Coefficients m1	m2	%RSD or R^2
145 Methyl parathion	++++ 0.20643	0.19958 0.19958	0.21138 0.21138	0.21934 0.21934	0.22989 0.22989	0.22123 0.22123	AVRG		0.21249		5.42572
146 4-Nitroquinoline-l-oxide	++++ 0.02029	0.01432 0.02040	0.02030 0.02040	0.02392 0.02392	0.02296 0.02296	0.02086 0.02086	AVRG		0.02044		14.96642
147 Methapyrilene	++++ 0.36101	0.46920 ++++	0.48403 0.48403	0.46193 0.46193	0.43234 0.43234	0.37005 0.37005	AVRG		0.42976		12.23960
148 Isodrin	++++ 0.08622	0.12062 0.08972	0.11535 0.11535	0.10568 0.10568	0.09932 0.09932	0.08955 0.08955	AVRG		0.10092		13.37040
149 Aramite	++++ 0.04444	0.04240 0.04254	0.04426 0.04426	0.04783 0.04783	0.04625 0.04625	0.04419 0.04419	AVRG		0.04456		4.35363
150 Kepone	++++ 0.06153	0.05751 0.06436	0.06145 0.06145	0.06679 0.06679	0.06697 0.06697	0.05867 0.05867	AVRG		0.06247		5.96805
151 p-(Dimethylamino)azobenzene	++++ 0.30603	0.39598 0.27744	0.39468 0.39468	0.36815 0.36815	0.34215 0.34215	0.32328 0.32328	AVRG		0.34396		13.08689
152 Chlorobenzilate	++++ 0.31981	0.35337 0.33786	0.34908 0.34908	0.34363 0.34363	0.31888 0.31888	0.33517 0.33517	AVRG		0.33683		3.99335
153 3,3'-Dimethylbenzidine	++++ 0.54185	0.66210 0.57263	0.62588 0.62588	0.59942 0.59942	0.60868 0.60868	0.54977 0.54977	AVRG		0.59433		7.21411

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 Cal Date : 21-Jan-2008 15:36 jos00786

Compound	1	Level 1	10	Level 2	20	Level 3	40	Level 4	50	Level 5	80	Curve	b	ml	Coefficients	m2	%RSD or R^2
154 Famphur	++++	0.39011	0.39859	0.40435	0.41641	0.40336	AVRG							0.39863			2.58692
155 2-Acetylaminofluorene	++++	0.38855	0.38901														
	0.37704	0.30883	0.34834	0.37729	0.37750	0.35978	AVRG							0.35935			6.90199
157 7,12Dimethylbenz(a)anthracene	++++	0.5819	0.59563	0.56955	0.60043	0.54359	AVRG							0.56621			5.28097
	0.54090	0.52520															
158 3-Methylcholanthrene	++++	0.58302	0.60600	0.59900	0.59969	0.57516	AVRG							0.58362			3.19978
	0.56455	0.55791															
26 Phthalic anhydride	++++	0.31726	0.29624	0.31592	0.29782	0.29390	AVRG							0.29717			5.13294
	0.27759	0.28149															
173 Carbazole	29116	290571	504203	858132	1069721	1779442	AVRG										
	1893355	2551037															
174 Hexachlorophene	++++	8680	768311	1207480	1415229	2065458	AVRG							0.63555			0.99612
	3130357	++++															
179 Dibenzo(a,e)pyrene	++++	286218	672098	1021712	1138724	1389004	AVRG							0.67471			0.99476
	++++	++++															
185 (2,3-Dibromopropyl)phosphate	++++	5563	13151	23870	26815	32467	AVRG							0.57728			0.99520
	53377	61411												0.66892			0.99710

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 Cal Date : 21-Jan-2008 15:36 jos00786

Compound	1 Level 1	10 Level 2	20 Level 3	40 Level 4	50 Level 5	80 Level 6	Curve	b	Coefficients ml	m2	%RSD or R^2
184 p-Benzoinone	++++ 0.14178	0.01987 0.14475	0.03418	0.07687	0.10176	0.14552	AVRG		0.09496		55.94245
191 Parathion	++++ 0.07321	0.06580 0.08013	0.06976	0.07102	0.07673	0.07721	AVRG		0.07341		6.76032
192 Methoxychlor	++++ 0.59476	0.62704 0.61349	0.70819	0.65071	0.65441	0.62949	AVRG		0.63973		5.70792
210 m-Toluidine	++++ 1.58895	1.89283 1.57215	1.76161	1.70438	1.86563	1.75813	AVRG		1.73481		7.13804
211 p-Toluidine	++++ 1.45210	1.27735 1.37461	1.53713	1.33496	1.13003	1.39058	AVRG		1.35668		9.57621
212 Cis Diallate	++++ 0.39659	0.41615 0.38680	0.41342	0.41524	0.41533	0.40028	AVRG		0.40626		2.87749
213 Trans Diallate	++++ 0.30835	0.44953 ++++	0.43099	0.39597	0.38185	0.32700	AVRG		0.38228		14.61377
214 1,4-Dinitrobenzene	++++ 0.23126	0.24772 0.22080	0.23646	0.24823	0.23353	0.22783	AVRG		0.23512		4.28128
215 2-Ethoxyethanol	++++ 0.88271	1.11080 0.85789	1.04641	1.03673	0.95928	0.97659	AVRG		0.98149		9.25779

GEL Laboratories LLC

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 Method file : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
 Cal Date : 21-Jan-2008 15:36 jos00786

Compound	1 Level 1	10 Level 2	20 Level 3	40 Level 4	50 Level 5	80 Level 6	Curve	b	Coefficients m1	m2	%RSD or R^2
216 Methylenebis(2-chloroaniline)	++++ 0.20242	0.19385 0.21231	0.18884	0.19681	0.19263	0.20381	AVRG		0.19867		4.03873
226 2,2'-Dichlorobenzil	++++ ++++	0.59137 0.71411	0.77508	0.79494	0.78686	++++	AVRG		0.73247		11.60923
227 4-Chlorothioanisole	++++ ++++	0.31301 0.23349	0.29826	0.28940	0.27135	++++	AVRG		0.28110		10.88337
228 4-Chlorothiophenol	++++ ++++	0.16913 0.17236	0.21461	0.22842	0.20820	++++	AVRG		0.19855		13.31426
229 bis(p-Chlorophenyl)sulfone	++++ ++++	0.55333 0.41898	0.55524	0.49850	0.48368	++++	AVRG		0.50195		11.23019
230 bis(p-Chlorophenyl)disulfide	++++ ++++	0.29621 0.31950	0.36511	0.36325	0.36535	++++	AVRG		0.34189		9.40303
231 Diphenyl disulfide	++++ ++++	0.34263 0.34307	0.37368	0.37854	0.38027	++++	AVRG		0.36364		5.26018
232 Diphenyl sulfide	++++ ++++	0.92481 0.68603	0.86620	0.83745	0.78150	++++	AVRG		0.81920		11.06249
233 Phenyl sulfone	++++ ++++	0.56651 0.46232	0.52300	0.51611	0.49703	++++	AVRG		0.51299		7.42063

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 Method file : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
 Cal Date : 21-Jan-2008 15:36 jos00786

Compound	1	Level 1	10	Level 2	20	Level 3	40	Level 4	50	Level 5	80	Curve	b	Coefficients ml	m2	%RSD or R^2
234 Hydroxymethyl phthalimide	++++	Level 1	0.19203	0.18576	0.16713	0.16098	++++	AVRG	0.17500	7.55710						
	++++	Level 7	0.16908													
235 Phthalic acid	++++	Level 1	18225	57043	161161	264507	++++	AVRG	0.15005	0.99233						
	++++	Level 7	699196													
236 Thiophenol	++++	Level 1	1.35867	1.60132	1.63735	1.50368	++++	AVRG	1.47090	11.04946						
	++++	Level 7	1.25347													
237 bis (Chloromethyl) ether	++++	Level 1	1.13980	1.18086	1.15552	1.09888	++++	AVRG	1.13457	3.18829						
	++++	Level 7	1.09781													
238 Octachlorostyrene	++++	Level 1	0.06537	0.06193	0.06403	0.06218	++++	AVRG	0.06349	2.25106						
	++++	Level 7	0.06396													
M 222 Trichlorophenols	++++	Level 1	0.33622	0.36509	0.32226	0.31460	0.29196	AVRG	0.31248	10.24175						
	0.27938	Level 7	0.27787													
M 223 Tetrachlorophenols	++++	Level 1	0.25870	0.31217	0.28855	0.27290	0.25138	AVRG	0.26802	9.36212						
	0.25206	Level 7	0.24037													
M 224 Benzo (b,k) fluoranthene	1.34392	Level 1	1.40334	1.49077	1.34617	1.32484	1.23860	AVRG	1.32043	7.61304						
	1.23604	Level 7	1.17973													
M 225 TTO Sum Semivolatiles	++++	Level 1	++++	++++	++++	++++	++++	AVRG	0.000e+00	<-						
	++++	Level 7	++++													

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 Cal Date : 21-Jan-2008 15:36 jos00786

Compound	1	10	20	40	50	80	Curve	b	ml	m2	%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6					
	100	120									
	Level 7	Level 8									
\$ 3 2-Fluorophenol	++++	1.32851	1.46890	1.35316	1.28648	1.25602	AVRG		1.28802		8.53143
	1.18190	1.14118									
\$ 5 Phenol-d5	++++	1.67606	1.80488	1.60915	1.52255	1.51732	AVRG		1.56524		9.15336
	1.43865	1.38809									
\$ 187 2-Chlorophenol-d4	++++	++++	++++	++++	++++	++++	AVRG		0.000e+00		0.000e+00
	++++	++++									
\$ 188 1,2-Dichlorobenzene-d4	++++	++++	++++	++++	++++	++++	AVRG		0.000e+00		0.000e+00
	++++	++++									
\$ 20 Nitrobenzene-d5	++++	0.42688	0.45789	0.41968	0.41266	0.39712	AVRG		0.40559		8.72174
	0.37418	0.35070									
\$ 39 2-Fluorobiphenyl	++++	258389	493169	822275	969616	1574897	AVRG				0.99436
	1709177	2109134					LINR	-0.28017	0.88038		
\$ 60 2,4,6-Tribromophenol	++++	0.12536	0.14686	0.13538	0.14048	0.13604	AVRG		0.13895		6.31286
	0.13606	0.15246									
\$ 81 p-Terphenyl-d14	++++	0.97404	0.93631	0.80837	0.83953	0.85236	AVRG		0.88241		6.65131
	0.85921	0.90701									

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Method file : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
Cal Date : 21-Jan-2008 15:36 jos00786

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + Rsp/ml	Response

GEL Laboratories LLC

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Data file : /chem/MSD4.i/s010808.b/s4a0803.d
 Lab Smp Id: WBN080107-10 Client Smp ID: MEGA001
 Inj Date : 08-JAN-2008 11:04
 Operator : JMB3 Inst ID: MSD4.i
 Smp Info : |WBN080107-10|1 PPM|1|SVMF|1|MEGA001
 Misc Info : |MSD8270_LF|WBN080102-01|
 Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
 Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
 Meth Date : 21-Jan-2008 12:21 jos00786 Quant Type: ISTD
 Cal Date : 04-DEC-2007 20:58 Cal File: s4l0420.d
 Als bottle: 3 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: MEGAI.sub
 Target Version: 3.50
 Processing Host: kilroy

Concentration Formula: Amt * DF * Uf * Vt/(Vo *Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	500.00000	ng unit correction factor
Vt	1.00000	volume of final ext
Vo	1000.00000	volume of sample ext
Vi	0.50000	volume injected

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG				AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COL
	=====	==	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	346875	40.0000
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1392991	40.0000
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	693590	40.0000
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1204544	40.0000
* 91 Chrysene-d12	240	8.395	8.395	(1.000)	877183	40.0000
* 98 Perylene-d12	264	9.707	9.707	(1.000)	688821	40.0000
1 N-Methyl-N-nitrosomethylamine	74	2.172	2.172	(0.592)	8651	1.00000 1.0 (a)
17 N-Nitrosodipropylamine	70	3.901	3.901	(1.062)	8812	1.00000 0.98 (a)
30 Naphthalene	128	4.543	4.543	(1.003)	44993	1.00000 (aQ)
34 2-Methylnaphthalene	142	5.025	5.025	(1.109)	24611	1.00000 1.3
35 1-Methylnaphthalene	142	5.095	5.095	(1.125)	25638	1.00000 1.4
40 2-Chloronaphthalene	162	5.378	5.378	(0.931)	22880	1.00000 1.3
43 Dimethylphthalate	163	5.548	5.548	(0.960)	24115	1.00000 1.2 (a)

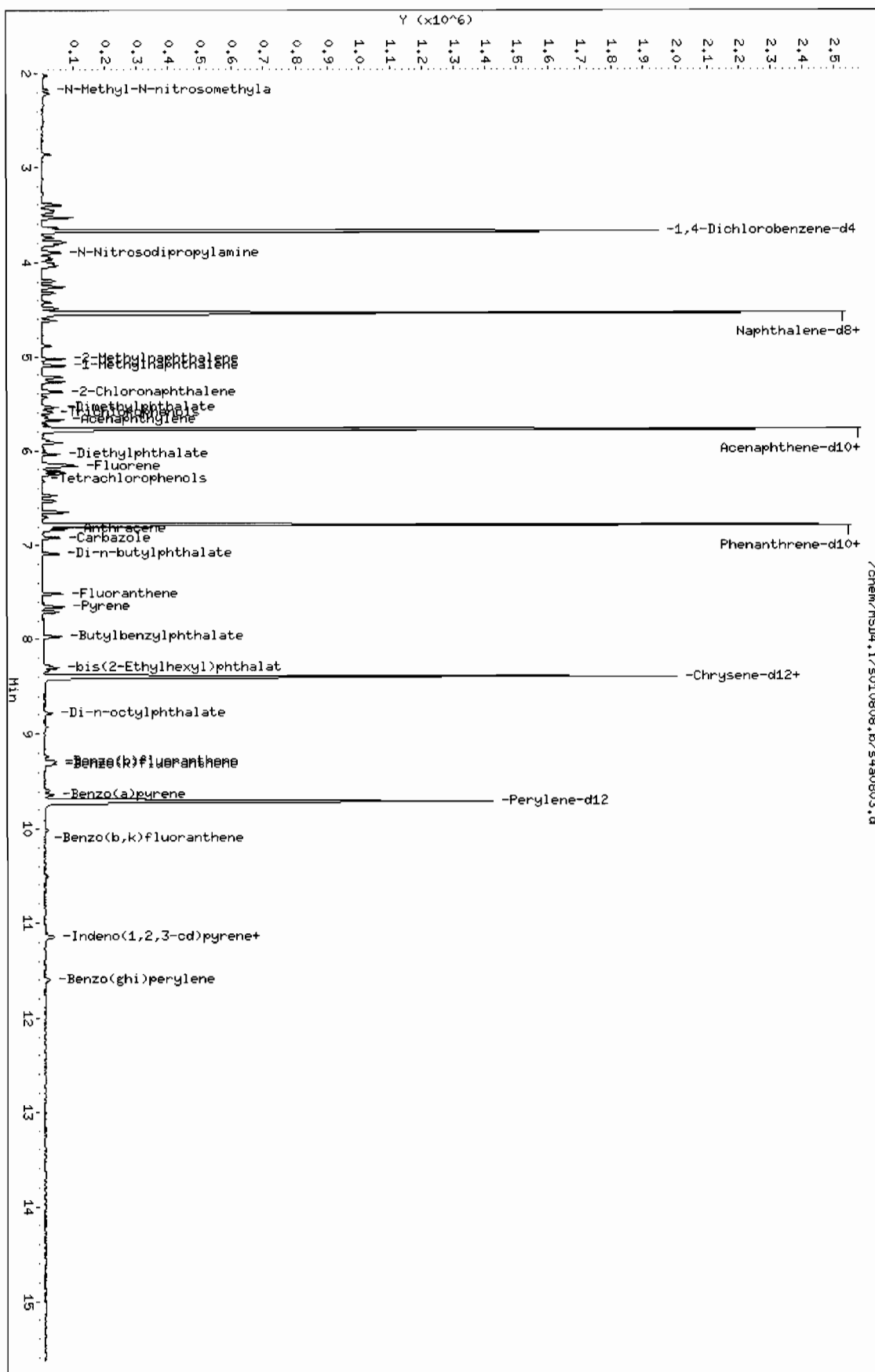
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	====	==	=====	=====	=====	=====	=====
45 Acenaphthylene	152	5.678	5.678	(0.983)	37558	1.00000	1.3
47 Acenaphthene	154	5.801	5.801	(1.004)	26907	1.00000	(a)
51 Diethylphthalate	149	6.042	6.042	(1.046)	25046	1.00000	1.3(a)
53 Fluorene	166	6.160	6.160	(1.066)	28297	1.00000	(a)
68 Phenanthrene	178	6.795	6.795	(1.002)	39021	1.00000	1.3
69 Anthracene	178	6.825	6.825	(1.006)	35224	1.00000	1.2
72 Di-n-butylphthalate	149	7.084	7.084	(1.044)	33585	1.00000	1.1(a)
76 Fluoranthene	202	7.513	7.513	(1.108)	30913	1.00000	1.2
79 Pyrene	202	7.648	7.648	(0.911)	33691	1.00000	1.0
85 Butylbenzylphthalate	149	7.966	7.966	(0.949)	9759	1.00000	0.78(a)
89 Benzo(a)anthracene	228	8.389	8.389	(0.999)	26725	1.00000	1.1
92 Chrysene	228	8.413	8.413	(1.002)	30937	1.00000	1.2
93 bis(2-Ethylhexyl)phthalate	149	8.301	8.301	(0.989)	15973	1.00000	0.75(a)
94 Di-n-octylphthalate	149	8.783	8.783	(0.905)	15795	1.00000	0.61(a)
95 Benzo(b)fluoranthene	252	9.289	9.289	(0.957)	23193	1.00000	1.1
96 Benzo(k)fluoranthene	252	9.313	9.313	(0.959)	23093	1.00000	0.99(a)
97 Benzo(a)pyrene	252	9.642	9.642	(0.993)	17233	1.00000	0.96(a)
99 Indeno(1,2,3-cd)pyrene	276	11.142	11.142	(1.148)	15724	1.00000	3.0
100 Dibenzo(a,h)anthracene	278	11.148	11.148	(1.148)	13162	1.00000	2.6
101 Benzo(ghi)perylene	276	11.595	11.595	(1.194)	13879	1.00000	2.8(Q)
173 Carbazole	167	6.919	6.919	(1.020)	29116	1.00000	1.3
M 224 Benzo(b,k)fluoranthene	252				46286	2.00000	2.1

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/HSD4.i/s010808.b/s4a0803.d
 Date : 08-JAN-2008 11:04
 Client ID: MEG001
 Sample Info: IWBH080107-1011 PPH11SVHF11MEG001
 Volume Injected (uL): 0.5
 Column phase: J&W DB-5MS

Instrument: HSD4.i
 Operator: JHB3
 Column diameter: 0.20



Data File: /chem/MSD4.i/s010808.b/s4a0804.d
Report Date: 21-Jan-2008 12:21

Page 1

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Data file : /chem/MSD4.i/s010808.b/s4a0804.d
Lab Smp Id: WBN080107-08 Client Smp ID: MEGA010
Inj Date : 08-JAN-2008 11:26
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN080107-08|10 PPM|1|SVMF|1|MEGA010
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:21 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 15:38 Cal File: s4l0603.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: MEGAII.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ng/ul)	(ng/ul)
=====		----	==	-----	-----	-----	-----	-----
* 10 1,4-Dichlorobenzene-d4		152	3.672	3.672	(1.000)	359724	40.0000	
* 29 Naphthalene-d8		136	4.531	4.531	(1.000)	1424997	40.0000	
* 46 Acenaphthene-d10		164	5.778	5.778	(1.000)	720354	40.0000	
* 67 Phenanthrene-d10		188	6.784	6.784	(1.000)	1250737	40.0000	
* 91 Chrysene-d12		240	8.384	8.384	(1.000)	916920	40.0000	
* 98 Perylene-d12		264	9.684	9.684	(1.000)	726776	40.0000	
\$ 3 2-Fluorophenol		112	2.866	2.866	(0.781)	119474	10.0000	9.8
\$ 5 Phenol-d5		99	3.396	3.396	(0.925)	150730	10.0000	10.1
\$ 20 Nitrobenzene-d5		82	4.031	4.031	(0.890)	152075	10.0000	12.2
\$ 39 2-Fluorobiphenyl		172	5.272	5.272	(0.912)	258389	10.0000	13.5
\$ 60 2,4,6-Tribromophenol		329	6.325	6.325	(1.095)	22576	10.0000	11.9
\$ 81 p-Terphenyl-d14		244	7.701	7.701	(0.919)	223280	10.0000	10.7
1 N-Methyl-N-nitrosomethylamine		74	2.166	2.166	(0.590)	92499	10.0000	10.6
2 Pyridine		79	2.202	2.202	(0.600)	111564	10.0000	9.6
4 Aniline		66	3.454	3.454	(0.941)	62390	10.0000	9.4 (Q)
6 Phenol		94	3.402	3.402	(0.926)	163619	10.0000	10.3
7 bis(2-Chloroethyl) ether		63	3.472	3.472	(0.946)	130704	10.0000	10.8
8 2-Chlorophenol		128	3.537	3.537	(0.963)	125193	10.0000	10.5
203 n-Decane		43	3.525	3.525	(0.960)	183603	10.0000	12.2
9 1,3-Dichlorobenzene		146	3.637	3.637	(0.990)	141658	10.0000	11.3
11 1,4-Dichlorobenzene		146	3.684	3.684	(1.003)	137968	10.0000	11.2
13 1,2-Dichlorobenzene		146	3.784	3.784	(1.030)	131795	10.0000	12.1
14 bis(2-Chloroisopropyl) ether		45	3.819	3.819	(1.040)	272527	10.0000	11.3
12 Benzyl alcohol		108	3.737	3.737	(1.018)	86380	10.0000	10
15 o-Cresol		107	3.796	3.796	(1.034)	106891	10.0000	11.7
18 m,p-Cresols		107	3.890	3.890	(1.059)	132896	10.0000	10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	====	==	=====	=====	=====	=====	=====
17 N-Nitrosodipropylamine	70	3.907	3.907 (1.064)		101208	10.0000	10.7
19 Hexachloroethane	117	4.007	4.007 (1.091)		59753	10.0000	11.4
21 Nitrobenzene	77	4.043	4.043 (0.892)		152323	10.0000	12.3
22 Isophorone	82	4.196	4.196 (0.926)		258323	10.0000	11.9
23 2-Nitrophenol	139	4.260	4.260 (0.940)		61389	10.0000	12.6
24 2,4-Dimethylphenol	122	4.254	4.254 (0.939)		120953	10.0000	6.5
25 bis(2-Chloroethoxy)methane	93	4.325	4.325 (0.955)		171789	10.0000	12.5
26 2,4-Dichlorophenol	162	4.419	4.419 (0.975)		91158	10.0000	11.9
28 1,2,4-Trichlorobenzene	180	4.484	4.484 (0.990)		107702	10.0000	12.9
30 Naphthalene	128	4.549	4.549 (1.004)		414046	10.0000	9.8(Q)
204 alpha-Terpineol	59	4.525	4.525 (0.999)		111668	10.0000	12.4
31 4-Chloroaniline	127	4.566	4.566 (1.008)		170131	10.0000	11.8
32 Hexachlorobutadiene	225	4.613	4.613 (1.018)		61096	10.0000	14.1
33 4-Chloro-3-methylphenol	107	4.884	4.884 (1.078)		109575	10.0000	11.9
34 2-Methylnaphthalene	142	5.025	5.025 (1.109)		238438	10.0000	12.3
35 1-Methylnaphthalene	142	5.096	5.096 (1.125)		239906	10.0000	12.4
36 Hexachlorocyclopentadiene	237	5.131	5.131 (0.888)		15009	10.0000	5.5
205 2,3-Dichloroaniline	161	5.225	5.225 (0.904)		115072	10.0000	12.8
37 2,4,6-Trichlorophenol	196	5.219	5.219 (0.903)		57387	10.0000	11.6
38 2,4,5-Trichlorophenol	196	5.243	5.243 (0.907)		63712	10.0000	11.5
40 2-Chloronaphthalene	162	5.378	5.378 (0.931)		227535	10.0000	12.3
42 o-Nitroaniline	65	5.437	5.437 (0.941)		71808	10.0000	11.2
41 m-Nitroaniline	138	5.731	5.731 (0.992)		50411	10.0000	10.6
43 Dimethylphthalate	163	5.548	5.548 (0.960)		261639	10.0000	12.3
44 2,6-Dinitrotoluene	165	5.601	5.601 (0.969)		60405	10.0000	12.1
50 2,4-Dinitrotoluene	165	5.890	5.890 (1.019)		72901	10.0000	11.6
45 Acenaphthylene	152	5.678	5.678 (0.983)		392994	10.0000	13.0
47 Acenaphthene	154	5.801	5.801 (1.004)		231079	10.0000	9.6
49 Dibenzofuran	168	5.919	5.919 (1.024)		320280	10.0000	13.3
51 Diethylphthalate	149	6.043	6.043 (1.046)		277045	10.0000	13.4
52 4-Nitrophenol	139	5.831	5.831 (1.009)		27368	10.0000	7.5
53 Fluorene	166	6.160	6.160 (1.066)		265389	10.0000	11.1
54 4-Chlorophenylphenylether	204	6.143	6.143 (1.063)		122630	10.0000	12.7
55 2-Methyl-4,6-dinitrophenol	198	6.178	6.178 (0.911)		21317	10.0000	12.2
56 p-Nitroaniline	138	6.160	6.160 (1.066)		47977	10.0000	11.8
133 Diphenylamine	169	6.219	6.219 (0.917)		212826	10.0000	12.9
58 1,2-Diphenylhydrazine	77	6.254	6.254 (0.922)		302257	10.0000	11.9
61 4-Bromophenylphenylether	248	6.472	6.472 (0.954)		61763	10.0000	12.5
63 Hexachlorobenzene	284	6.531	6.531 (0.963)		66598	10.0000	12.7
65 Pentachlorophenol	266	6.654	6.654 (0.981)		10650	10.0000	4.7
206 n-Octadecane	57	6.648	6.648 (0.980)		221083	10.0000	14.0
68 Phenanthrene	178	6.795	6.795 (1.002)		361477	10.0000	11.6
69 Anthracene	178	6.831	6.831 (1.007)		347204	10.0000	11.5
72 Di-n-butylphthalate	149	7.084	7.084 (1.044)		444458	10.0000	12.9
76 Fluoranthene	202	7.513	7.513 (1.108)		339225	10.0000	12.1
79 Pyrene	202	7.648	7.648 (0.912)		358269	10.0000	10.6
85 Butylbenzylphthalate	149	7.954	7.954 (0.949)		165742	10.0000	12.1

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT	ON-COL
	MASS					(ng/ul)	(ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
89 Benzo(a)anthracene	228	8.372	8.372	(0.999)	285838	10.0000	11.1
92 Chrysene	228	8.401	8.401	(1.002)	289343	10.0000	11.0
93 bis(2-Ethylhexyl)phthalate	149	8.289	8.289	(0.989)	225699	10.0000	11.7
94 Di-n-octylphthalate	149	8.766	8.766	(0.905)	294349	10.0000	10.3
95 Benzo(b)fluoranthene	252	9.272	9.272	(0.957)	261386	10.0000	11.4
96 Benzo(k)fluoranthene	252	9.295	9.295	(0.960)	248570	10.0000	10
97 Benzo(a)pyrene	252	9.619	9.619	(0.993)	207223	10.0000	10.6
99 Indeno(1,2,3-cd)pyrene	276	11.119	11.119	(1.148)	191617	10.0000	11.8
100 Dibenzo(a,h)anthracene	278	11.125	11.125	(1.149)	159186	10.0000	11.2
101 Benzo(ghi)perylene	276	11.566	11.566	(1.194)	159079	10.0000	11.5(Q)
126 m-Dinitrobenzene	168	5.584	5.584	(0.966)	42590	10.0000	11.8
130 2,3,4,6-Tetrachlorophenol	232	6.001	6.001	(1.039)	46588	10.0000	11.1
143 Dinoseb	211	6.743	6.743	(0.994)	25551	10.0000	13.1
173 Carbazole	167	6.919	6.919	(1.020)	290571	10.0000	12.2
184 p-Benzoquinone	54	3.166	3.166	(0.862)	1787	10.0000	1.5
192 Methoxychlor	227	8.266	8.266	(0.986)	143737	10.0000	10.4
211 p-Toluidine	106	3.949	3.949	(1.075)	114873	10.0000	9.1
210 m-Toluidine	106	3.966	3.966	(1.080)	170224	10.0000	9.0
M 222 Trichlorophenols	196				121099	20.0000	23.2
M 223 Tetrachlorophenols	232				46588	10.0000	11.1
M 224 Benzo(b,k)fluoranthene	252				509956	20.0000	21.4

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/HSD4.i/s010808.b/s4a0804.d

Date: 08-JAN-2008 11:26

Client ID: MEGA010

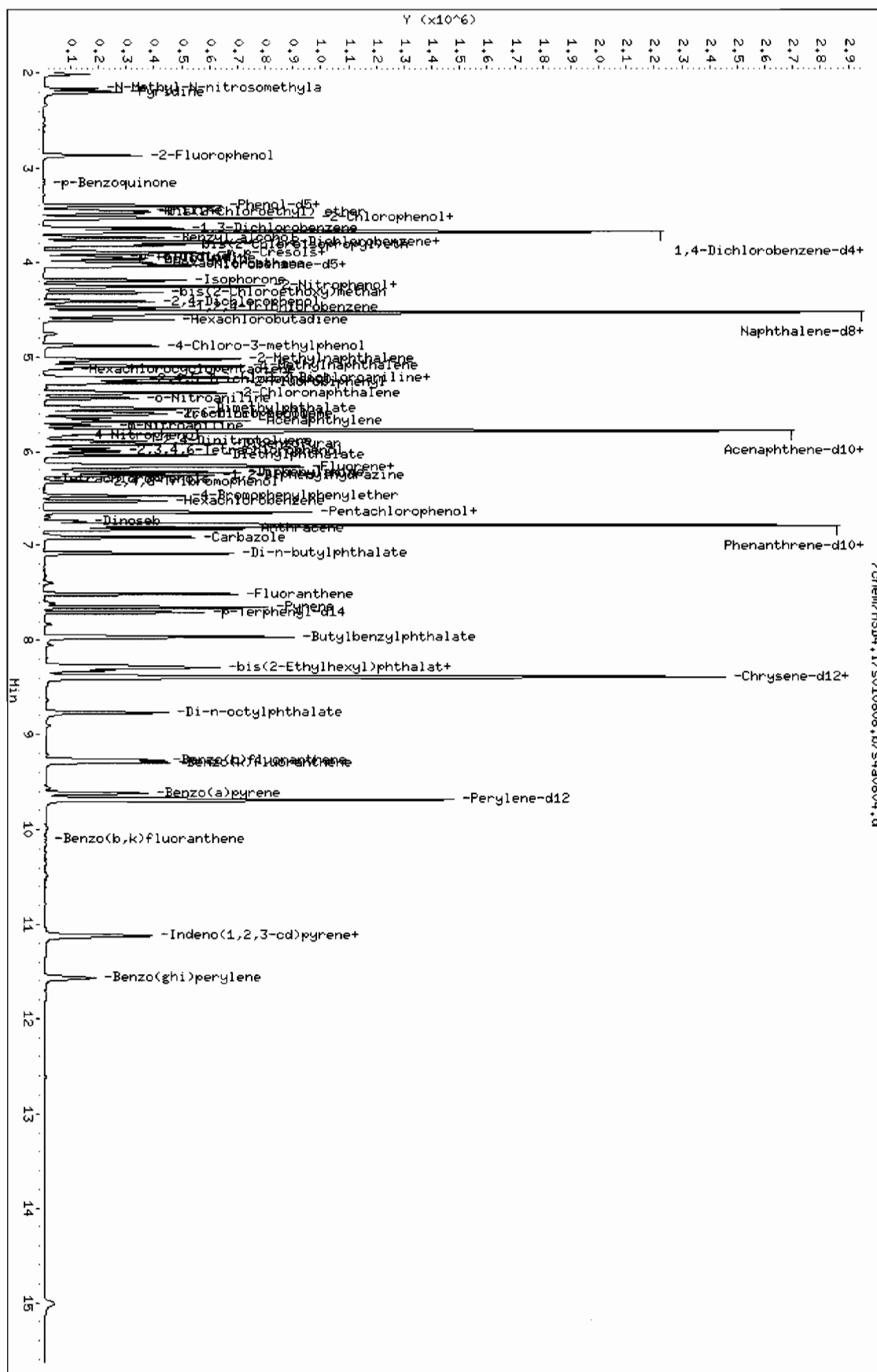
Sample Info: MBN080107-08110 PPH11SVHF11.MEGA010

Column phase: J&W DB-5MS

Instrument: HSD4.i

Operator: JHB3

Column diameter: 0.20



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Data file : /chem/MSD4.i/s010808.b/s4a0805.d
Lab Smp Id: WBN080107-07 Client Smp ID: MEGA020
Inj Date : 08-JAN-2008 11:49
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN080107-07|20 PPM|1|SVMF|1|MEGA020
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:22 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 15:58 Cal File: s410604.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: MEGAI1.sub
Target Version: 3.50
Processing Host: kilroy

						AMOUNTS		
		QUANT	SIG			CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng/ul)	(ng/ul)
=====		====	==	=====	=====	=====	=====	=====
* 10	1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	342057	40.0000	
* 29	Naphthalene-d8	136	4.531	4.531	(1.000)	1349446	40.0000	
* 46	Acenaphthene-d10	164	5.778	5.778	(1.000)	699113	40.0000	
* 67	Phenanthrene-d10	188	6.784	6.784	(1.000)	1230742	40.0000	
* 91	Chrysene-d12	240	8.384	8.384	(1.000)	954374	40.0000	
* 98	Perylene-d12	264	9.689	9.689	(1.000)	776638	40.0000	
\$ 3	2-Fluorophenol	112	2.866	2.866	(0.781)	251224	20.0000	21.3
\$ 5	Phenol-d5	99	3.396	3.396	(0.925)	308686	20.0000	21.6
\$ 20	Nitrobenzene-d5	82	4.031	4.031	(0.890)	308948	20.0000	25.2
\$ 39	2-Fluorobiphenyl	172	5.272	5.272	(0.912)	493169	20.0000	25.6
\$ 60	2,4,6-Tribromophenol	329	6.325	6.325	(1.095)	51335	20.0000	26.2
\$ 81	p-Terphenyl-d14	244	7.701	7.701	(0.919)	446793	20.0000	20.4
1	N-Methyl-N-nitrosomethylamine	74	2.172	2.172	(0.592)	191111	20.0000	22.4
2	Pyridine	79	2.202	2.202	(0.600)	233612	20.0000	21.0
4	Aniline	66	3.455	3.455	(0.941)	128592	20.0000	20.4
6	Phenol	94	3.402	3.402	(0.926)	331105	20.0000	21.8
7	bis(2-Chloroethyl) ether	63	3.478	3.478	(0.947)	256716	20.0000	22.3
8	2-Chlorophenol	128	3.537	3.537	(0.963)	252627	20.0000	22.1
203	n-Decane	43	3.525	3.525	(0.960)	340855	20.0000	23.5
9	1,3-Dichlorobenzene	146	3.637	3.637	(0.990)	272498	20.0000	22.7
11	1,4-Dichlorobenzene	146	3.684	3.684	(1.003)	264874	20.0000	22.4
13	1,2-Dichlorobenzene	146	3.784	3.784	(1.030)	256830	20.0000	24.4
14	bis(2-Chloroisopropyl)ether	45	3.819	3.819	(1.040)	537355	20.0000	23.2
12	Benzyl alcohol	108	3.737	3.737	(1.018)	181427	20.0000	21.8
15	o-Cresol	107	3.796	3.796	(1.034)	209128	20.0000	23.7
18	m,p-Cresols	107	3.896	3.896	(1.061)	272545	20.0000	21.4

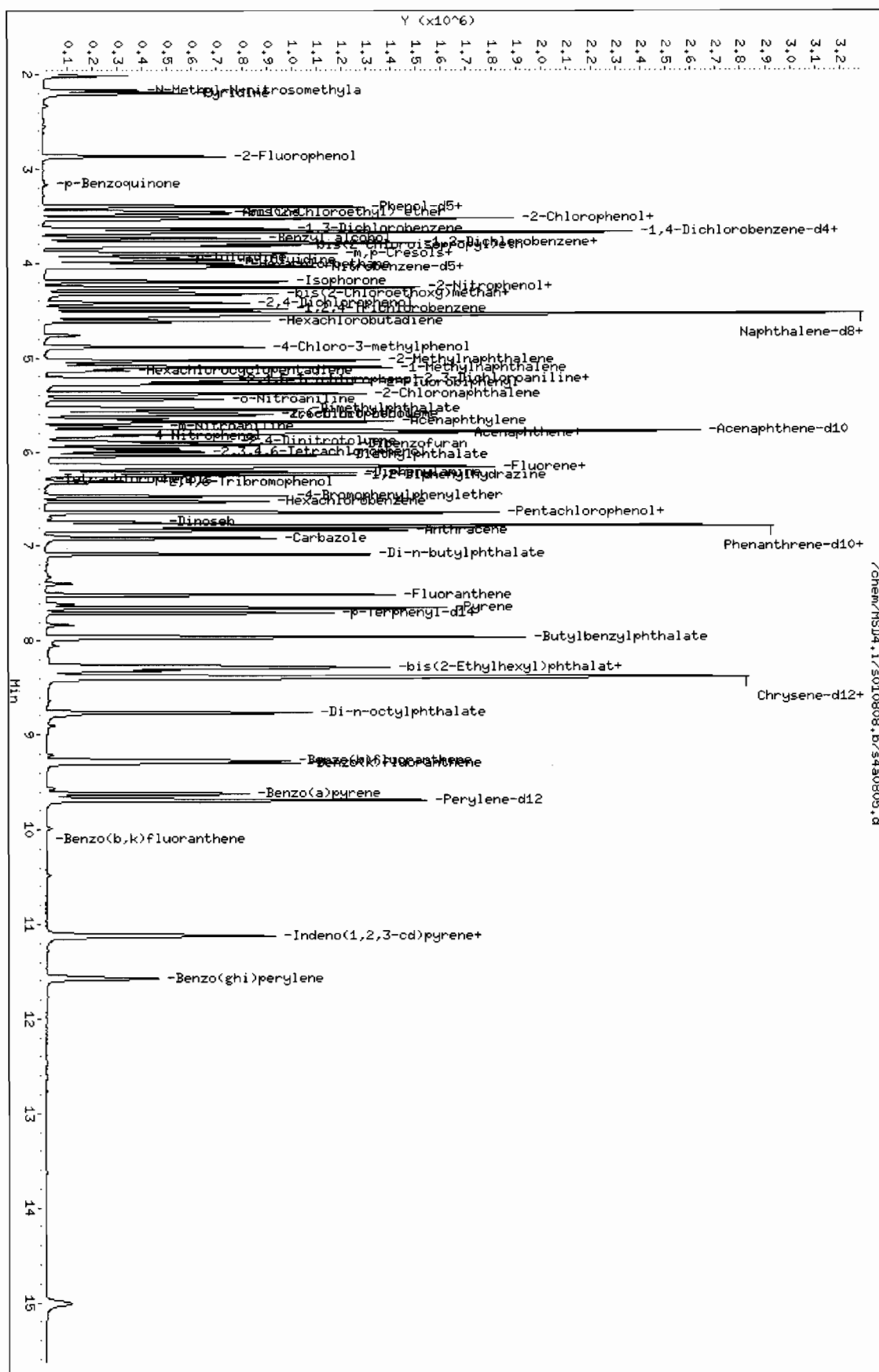
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
17 N-Nitrosodipropylamine	70	3.907	3.907	(1.064)	204784	20.0000	22.4
19 Hexachloroethane	117	4.013	4.013	(1.093)	117281	20.0000	23.2
21 Nitrobenzene	77	4.043	4.043	(0.892)	308106	20.0000	25.2
22 Isophorone	82	4.196	4.196	(0.926)	521848	20.0000	24.5
23 2-Nitrophenol	139	4.260	4.260	(0.940)	124991	20.0000	26.1
24 2,4-Dimethylphenol	122	4.254	4.254	(0.939)	232488	20.0000	21.9
25 bis(2-Chloroethoxy)methane	93	4.325	4.325	(0.955)	334705	20.0000	25.2
26 2,4-Dichlorophenol	162	4.419	4.419	(0.975)	187989	20.0000	25.1
27 Benzoic acid	105	4.319	4.319	(0.953)	60939	20.0000	22.5
28 1,2,4-Trichlorobenzene	180	4.484	4.484	(0.990)	208062	20.0000	25.4
30 Naphthalene	128	4.549	4.549	(1.004)	779343	20.0000	24.8(Q)
204 alpha-Terpineol	59	4.525	4.525	(0.999)	218943	20.0000	25.0
31 4-Chloroaniline	127	4.566	4.566	(1.008)	346245	20.0000	24.4
32 Hexachlorobutadiene	225	4.613	4.613	(1.018)	118850	20.0000	27.2
33 4-Chloro-3-methylphenol	107	4.884	4.884	(1.078)	227393	20.0000	25.1
34 2-Methylnaphthalene	142	5.025	5.025	(1.109)	458416	20.0000	24.4
35 1-Methylnaphthalene	142	5.101	5.101	(1.126)	452876	20.0000	24.2
36 Hexachlorocyclopentadiene	237	5.131	5.131	(0.888)	50844	20.0000	19.6
205 2,3-Dichloroaniline	161	5.225	5.225	(0.904)	225259	20.0000	25.2
37 2,4,6-Trichlorophenol	196	5.219	5.219	(0.903)	118043	20.0000	24.2
38 2,4,5-Trichlorophenol	196	5.243	5.243	(0.907)	137193	20.0000	24.6
40 2-Chloronaphthalene	162	5.378	5.378	(0.931)	442509	20.0000	24.1
42 o-Nitroaniline	65	5.437	5.437	(0.941)	153859	20.0000	23.8
41 m-Nitroaniline	138	5.731	5.731	(0.992)	91852	20.0000	19.6
43 Dimethylphthalate	163	5.554	5.554	(0.961)	514743	20.0000	24.4
44 2,6-Dinitrotoluene	165	5.607	5.607	(0.970)	126392	20.0000	25.2
50 2,4-Dinitrotoluene	165	5.896	5.896	(1.020)	155854	20.0000	24.5
45 Acenaphthylene	152	5.678	5.678	(0.983)	751238	20.0000	24.8
47 Acenaphthene	154	5.801	5.801	(1.004)	439702	20.0000	24.5
48 2,4-Dinitrophenol	184	5.807	5.807	(1.005)	27378	20.0000	24.5(Q)
49 Dibenzofuran	168	5.919	5.919	(1.024)	615521	20.0000	25.6
51 Diethylphthalate	149	6.043	6.043	(1.046)	539613	20.0000	25.9
52 4-Nitrophenol	139	5.831	5.831	(1.009)	73822	20.0000	20.8
53 Fluorene	166	6.160	6.160	(1.066)	511304	20.0000	26.6
54 4-Chlorophenylphenylether	204	6.143	6.143	(1.063)	239007	20.0000	24.8
55 2-Methyl-4,6-dinitrophenol	198	6.178	6.178	(0.911)	61831	20.0000	23.6
56 p-Nitroaniline	138	6.166	6.166	(1.067)	94263	20.0000	22.9
133 Diphenylamine	169	6.225	6.225	(0.918)	407505	20.0000	24.6
58 1,2-Diphenylhydrazine	77	6.254	6.254	(0.922)	604931	20.0000	23.9
61 4-Bromophenylphenylether	248	6.472	6.472	(0.954)	123970	20.0000	24.7
63 Hexachlorobenzene	284	6.531	6.531	(0.963)	135644	20.0000	25.4
65 Pentachlorophenol	266	6.654	6.654	(0.981)	32029	20.0000	14.9
206 n-Octadecane	57	6.648	6.648	(0.980)	409500	20.0000	26.4
68 Phenanthrene	178	6.795	6.795	(1.002)	681409	20.0000	22.1
69 Anthracene	178	6.831	6.831	(1.007)	689446	20.0000	23.0
72 Di-n-butylphthalate	149	7.090	7.090	(1.045)	870763	20.0000	25.0
76 Fluoranthene	202	7.513	7.513	(1.108)	680211	20.0000	24.1

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
79 Pyrene	202	7.648	7.648	(0.912)	709000	20.0000	20.2
85 Butylbenzylphthalate	149	7.954	7.954	(0.949)	351200	20.0000	24.0
89 Benzo(a)anthracene	228	8.372	8.372	(0.999)	609513	20.0000	22.3
92 Chrysene	228	8.401	8.401	(1.002)	619529	20.0000	22.4
93 bis(2-Ethylhexyl)phthalate	149	8.290	8.290	(0.989)	491549	20.0000	25.4
94 Di-n-octylphthalate	149	8.766	8.766	(0.905)	735628	20.0000	23.3
95 Benzo(b)fluoranthene	252	9.272	9.272	(0.957)	567195	20.0000	22.4
96 Benzo(k)fluoranthene	252	9.295	9.295	(0.959)	590596	20.0000	22.0
97 Benzo(a)pyrene	252	9.625	9.625	(0.993)	495955	20.0000	23.2
99 Indeno(1,2,3-cd)pyrene	276	11.125	11.125	(1.148)	463835	20.0000	24.5
100 Dibenzo(a,h)anthracene	278	11.131	11.131	(1.149)	386947	20.0000	23.8
101 Benzo(ghi)perylene	276	11.578	11.578	(1.195)	394429	20.0000	24.5(Q)
126 m-Dinitrobenzene	168	5.590	5.590	(0.967)	92026	20.0000	25.0
130 2,3,4,6-Tetrachlorophenol	232	6.001	6.001	(1.039)	109120	20.0000	25.8
143 Dinoseb	211	6.748	6.748	(0.995)	83074	20.0000	24.7
173 Carbazole	167	6.919	6.919	(1.020)	504203	20.0000	21.2
184 p-Benzoquinone	54	3.166	3.166	(0.862)	5846	20.0000	5.3
192 Methoxychlor	227	8.266	8.266	(0.986)	337939	20.0000	23.1
211 p-Toluidine	106	3.949	3.949	(1.075)	262893	20.0000	21.4
210 m-Toluidine	106	3.972	3.972	(1.082)	301285	20.0000	17.2
M 222 Trichlorophenols	196				255236	40.0000	48.8
M 223 Tetrachlorophenols	232				109120	20.0000	25.8
M 224 Benzo(b,k)fluoranthene	252				1157791	40.0000	44.5

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Instrument: MSD4.i
Operator: JMB3
Column diameter: 0.20



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Data file : /chem/MSD4.i/s010808.b/s4a0806.d
Lab Smp Id: WBN080107-06.1 Client Smp ID: MEGA040
Inj Date : 08-JAN-2008 12:11
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN080107-06.1|140 PPM|1|SVMF|1|MEGA040
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 13:16 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 16:18 Cal File: s4l0605.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: MEGA11.sub
Target Version: 3.50
Processing Host: kilroy

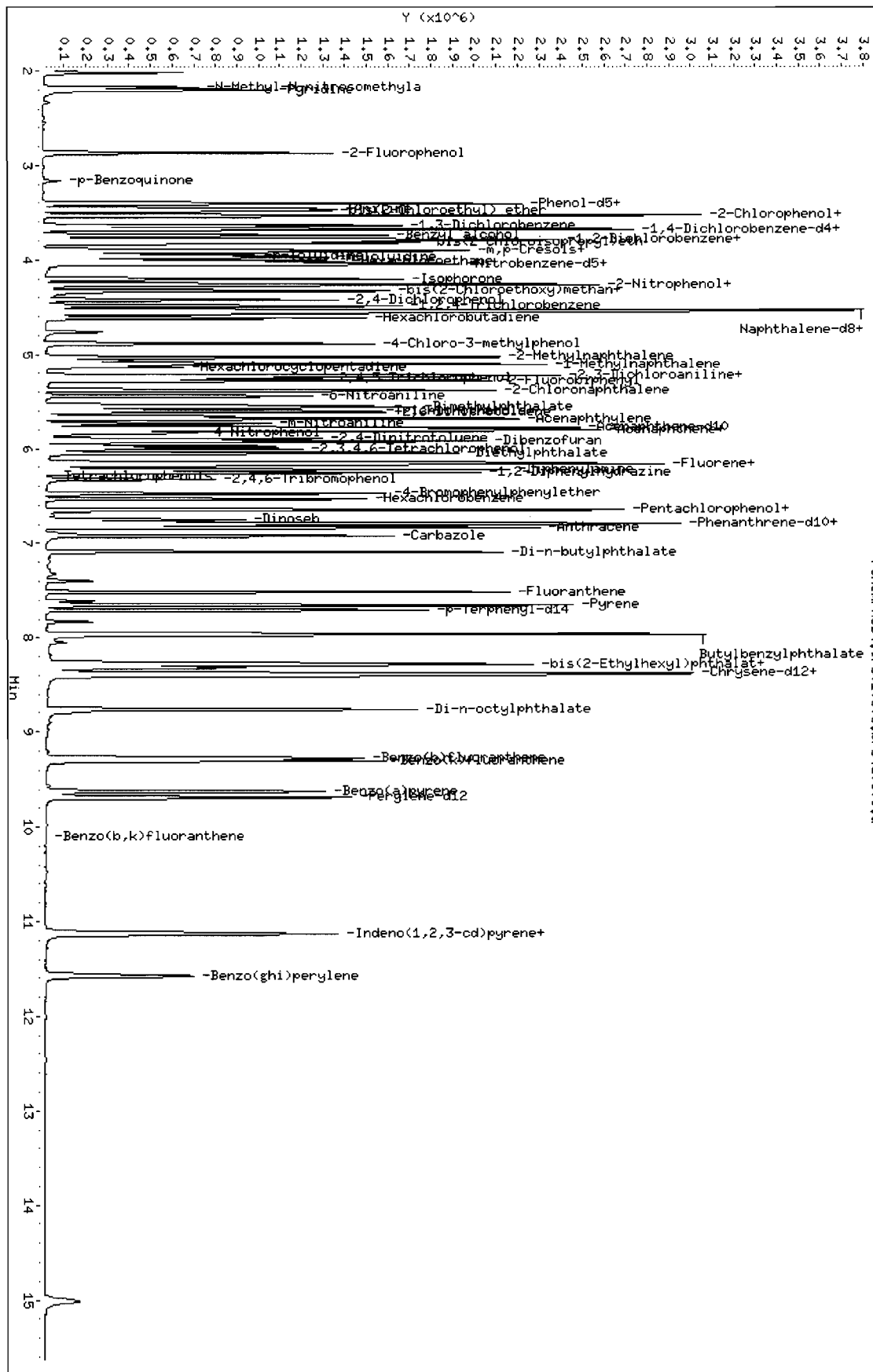
Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ng/ul)	(ng/ul)
* 10 1,4-Dichlorobenzene-d4		152	3.672	3.672	(1.000)	341298	40.0000	
* 29 Naphthalene-d8		136	4.531	4.531	(1.000)	1322334	40.0000	
* 46 Acenaphthene-d10		164	5.778	5.778	(1.000)	694968	40.0000	
* 67 Phenanthrene-d10		188	6.784	6.784	(1.000)	1173209	40.0000	
* 91 Chrysene-d12		240	8.383	8.383	(1.000)	843298	40.0000	
* 98 Perylene-d12		264	9.683	9.683	(1.000)	686576	40.0000	
\$ 3 2-Fluorophenol		112	2.866	2.866	(0.781)	461830	40.0000	42.0
\$ 5 Phenol-d5		99	3.396	3.396	(0.925)	549200	40.0000	41.1
\$ 20 Nitrobenzene-d5		82	4.037	4.037	(0.891)	554959	40.0000	41.4
\$ 39 2-Fluorobiphenyl		172	5.278	5.278	(0.913)	822275	40.0000	40.9
\$ 60 2,4,6-Tribromophenol		329	6.325	6.325	(1.095)	94086	40.0000	39.0
\$ 81 p-Terphenyl-d14		244	7.701	7.701	(0.919)	681695	40.0000	36.6
1 N-Methyl-N-nitrosomethylamine		74	2.172	2.172	(0.592)	346770	40.0000	40.0
2 Pyridine		79	2.201	2.201	(0.600)	438952	40.0000	38.5
4 Aniline		66	3.460	3.460	(0.942)	239319	40.0000	40.1
6 Phenol		94	3.407	3.407	(0.928)	586706	40.0000	41.0
7 bis(2-Chloroethyl) ether		63	3.478	3.478	(0.947)	453713	40.0000	41.1
8 2-Chlorophenol		128	3.537	3.537	(0.963)	440597	40.0000	41.2
203 n-Decane		43	3.525	3.525	(0.960)	542264	40.0000	41.4
9 1,3-Dichlorobenzene		146	3.637	3.637	(0.990)	465943	40.0000	41.1
11 1,4-Dichlorobenzene		146	3.684	3.684	(1.003)	444571	40.0000	40.9
13 1,2-Dichlorobenzene		146	3.784	3.784	(1.030)	435232	40.0000	41.3
14 bis(2-Chloroisopropyl)ether		45	3.819	3.819	(1.040)	941629	40.0000	42.1
12 Benzyl alcohol		108	3.743	3.743	(1.019)	323506	40.0000	40.0
15 o-Cresol		107	3.796	3.796	(1.034)	360631	40.0000	40.9
18 m,p-Cresols		107	3.901	3.901	(1.062)	477534	40.0000	39.8

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	----	--	-----	-----	-----	-----	-----
17 N-Nitrosodipropylamine	70	3.913	3.913	(1.066)	367854	40.0000	40.3
19 Hexachloroethane	117	4.013	4.013	(1.093)	207459	40.0000	41.6
21 Nitrobenzene	77	4.048	4.048	(0.894)	537272	40.0000	41.1
22 Isophorone	82	4.201	4.201	(0.927)	938935	40.0000	39.7
23 2-Nitrophenol	139	4.260	4.260	(0.940)	204359	40.0000	41.5
24 2,4-Dimethylphenol	122	4.260	4.260	(0.940)	383468	40.0000	41.6
25 bis(2-Chloroethoxy)methane	93	4.325	4.325	(0.955)	593945	40.0000	41.2
26 2,4-Dichlorophenol	162	4.425	4.425	(0.977)	333102	40.0000	41.3
27 Benzoic acid	105	4.337	4.337	(0.957)	163134	40.0000	38.4
28 1,2,4-Trichlorobenzene	180	4.484	4.484	(0.990)	362952	40.0000	41.5
30 Naphthalene	128	4.548	4.548	(1.004)	1284789	40.0000	45.1
204 alpha-Terpineol	59	4.531	4.531	(1.000)	370343	40.0000	42.4
31 4-Chloroaniline	127	4.566	4.566	(1.008)	627461	40.0000	42.3
32 Hexachlorobutadiene	225	4.613	4.613	(1.018)	204503	40.0000	39.7
33 4-Chloro-3-methylphenol	107	4.884	4.884	(1.078)	403816	40.0000	41.4
34 2-Methylnaphthalene	142	5.031	5.031	(1.110)	769579	40.0000	40.0
35 1-Methylnaphthalene	142	5.101	5.101	(1.126)	747629	40.0000	39.0
36 Hexachlorocyclopentadiene	237	5.131	5.131	(0.888)	104535	40.0000	43.7
205 2,3-Dichloroaniline	161	5.225	5.225	(0.904)	375328	40.0000	41.6
37 2,4,6-Trichlorophenol	196	5.219	5.219	(0.903)	196266	40.0000	39.5
38 2,4,5-Trichlorophenol	196	5.248	5.248	(0.908)	251659	40.0000	42.8
40 2-Chloronaphthalene	162	5.378	5.378	(0.931)	732181	40.0000	39.6
42 o-Nitroaniline	65	5.442	5.442	(0.942)	279915	40.0000	41.5
41 m-Nitroaniline	138	5.737	5.737	(0.993)	210484	40.0000	43.5
43 Dimethylphthalate	163	5.554	5.554	(0.961)	881807	40.0000	40.9
44 2,6-Dinitrotoluene	165	5.607	5.607	(0.970)	219357	40.0000	42.5
50 2,4-Dinitrotoluene	165	5.895	5.895	(1.020)	272676	40.0000	41.3
45 Acenaphthylene	152	5.684	5.684	(0.984)	1237685	40.0000	39.8
47 Acenaphthene	154	5.807	5.807	(1.005)	721260	40.0000	43.6
48 2,4-Dinitrophenol	184	5.807	5.807	(1.005)	63070	40.0000	40.9
49 Dibenzofuran	168	5.925	5.925	(1.025)	1005526	40.0000	40.8
51 Diethylphthalate	149	6.048	6.048	(1.047)	896236	40.0000	40.8
52 4-Nitrophenol	139	5.837	5.837	(1.010)	143882	40.0000	41.9
53 Fluorene	166	6.166	6.166	(1.067)	810774	40.0000	43.0
54 4-Chlorophenylphenylether	204	6.148	6.148	(1.064)	393731	40.0000	40.1
55 2-Methyl-4,6-dinitrophenol	198	6.184	6.184	(0.912)	118197	40.0000	41.4
56 p-Nitroaniline	138	6.166	6.166	(1.067)	173475	40.0000	39.5
133 Diphenylamine	169	6.225	6.225	(0.918)	665815	40.0000	40.8
58 1,2-Diphenylhydrazine	77	6.254	6.254	(0.922)	1014101	40.0000	41.5
61 4-Bromophenylphenylether	248	6.478	6.478	(0.955)	204701	40.0000	39.3
63 Hexachlorobenzene	284	6.531	6.531	(0.963)	217732	40.0000	38.1
65 Pentachlorophenol	266	6.654	6.654	(0.981)	64939	40.0000	35.8
206 n-Octadecane	57	6.648	6.648	(0.980)	594599	40.0000	43.6
68 Phenanthrene	178	6.801	6.801	(1.003)	1050727	40.0000	36.7
69 Anthracene	178	6.831	6.831	(1.007)	1138548	40.0000	40.4
72 Di-n-butylphthalate	149	7.089	7.089	(1.045)	1354065	40.0000	40.6
76 Fluoranthene	202	7.513	7.513	(1.108)	1044321	40.0000	37.9

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	----	--	-----	-----	-----	-----	-----
79 Pyrene	202	7.648	7.648	(0.912)	1071120	40.0000	37.1
85 Butylbenzylphthalate	149	7.954	7.954	(0.949)	554658	40.0000	41.7
89 Benzo(a)anthracene	228	8.372	8.372	(0.999)	970873	40.0000	38.4
92 Chrysene	228	8.401	8.401	(1.002)	943658	40.0000	38.6
93 bis(2-Ethylhexyl)phthalate	149	8.283	8.283	(0.988)	793319	40.0000	44.5
94 Di-n-octylphthalate	149	8.766	8.766	(0.905)	1233577	40.0000	41.8
95 Benzo(b)fluoranthene	252	9.272	9.272	(0.957)	885470	40.0000	38.0
96 Benzo(k)fluoranthene	252	9.295	9.295	(0.960)	963027	40.0000	43.8
97 Benzo(a)pyrene	252	9.625	9.625	(0.994)	799280	40.0000	41.6
99 Indeno(1,2,3-cd)pyrene	276	11.130	11.130	(1.149)	705863	40.0000	39.8
100 Dibenzo(a,h)anthracene	278	11.130	11.130	(1.149)	581206	40.0000	39.8
101 Benzo(ghi)perylene	276	11.577	11.577	(1.196)	601027	40.0000	39.5
126 m-Dinitrobenzene	168	5.595	5.595	(0.968)	167737	40.0000	41.8
130 2,3,4,6-Tetrachlorophenol	232	6.001	6.001	(1.039)	200530	40.0000	43.1
143 Dinoseb	211	6.748	6.748	(0.995)	155652	40.0000	40.5
173 Carbazole	167	6.919	6.919	(1.020)	858132	40.0000	38.0
184 p-Benzoquinone	54	3.166	3.166	(0.862)	26237	40.0000	32.4
192 Methoxychlor	227	8.266	8.266	(0.966)	548746	40.0000	40.7
211 p-Toluidine	106	3.954	3.954	(1.077)	455619	40.0000	39.4
210 m-Toluidine	106	3.972	3.972	(1.082)	581700	40.0000	39.3
M 222 Trichlorophenols	196				447925	80.0000	82.2
M 223 Tetrachlorophenols	232				200530	40.0000	43.1
M 224 Benzo(b,k)fluoranthene	252				1848497	80.0000	81.7

Data File: /chem/MSD4.1/s010808.b/s4a0806.d
 Date : 08-JAN-2008 12:11
 Client ID: MEGA040
 Sample Info: IWB080107-06.140 PPH11SVH11MEGA040
 Column phase: J&M DB-SMS

Instrument: MSD4.1
 Operator: JHB3
 Column diameter: 0.20



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Data file : /chem/MSD4.i/s010808.b/s4a0807.d
 Lab Smp Id: WBN080107-05 Client Smp ID: MEGA050
 Inj Date : 08-JAN-2008 12:33
 Operator : JMB3 Inst ID: MSD4.i
 Smp Info : |WBN080107-05|50 PPM|1|SVMF|1|MEGA050
 Misc Info : |MSD8270_LF|WBN080102-01|
 Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
 Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
 Meth Date : 21-Jan-2008 12:22 jos00786 Quant Type: ISTD
 Cal Date : 06-DEC-2007 16:44 Cal File: s4l0606.d
 Als bottle: 7 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: MEGAI1.sub
 Target Version: 3.50
 Processing Host: kilroy

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ng/ul)	(ng/ul)
*****	=====	=====	==	=====	=====	=====	=====	*****
* 10 1,4-Dichlorobenzene-d4		152	3.672	3.672	(1.000)	322916	40.0000	
* 29 Naphthalene-d8		136	4.531	4.531	(1.000)	1252832	40.0000	
* 46 Acenaphthene-d10		164	5.784	5.784	(1.000)	676529	40.0000	
* 67 Phenanthrene-d10		188	6.784	6.784	(1.000)	1192099	40.0000	
* 91 Chrysene-d12		240	8.389	8.389	(1.000)	861236	40.0000	
* 98 Perylene-d12		264	9.689	9.689	(1.000)	711619	40.0000	
\$ 3 2-Fluorophenol		112	2.866	2.866	(0.781)	519283	50.0000	47.0
\$ 5 Phenol-d5		99	3.401	3.401	(0.926)	614571	50.0000	46.5
\$ 20 Nitrobenzene-d5		82	4.037	4.037	(0.891)	646243	50.0000	53.2
\$ 39 2-Fluorobiphenyl		172	5.278	5.278	(0.913)	969616	50.0000	50.7
\$ 60 2,4,6-Tribromophenol		329	6.325	6.325	(1.094)	118795	50.0000	57.1
\$ 81 p-Terphenyl-d14		244	7.707	7.707	(0.919)	903797	50.0000	46.8
1 N-Methyl-N-nitrosomethylamine		74	2.172	2.172	(0.592)	404094	50.0000	49.1
2 Pyridine		79	2.196	2.196	(0.598)	640042	50.0000	58.4
4 Aniline		66	3.460	3.460	(0.942)	271880	50.0000	46.4
6 Phenol		94	3.407	3.407	(0.928)	663393	50.0000	47.2
7 bis(2-Chloroethyl) ether		63	3.478	3.478	(0.947)	516999	50.0000	48.0
8 2-Chlorophenol		128	3.537	3.537	(0.963)	503483	50.0000	47.4
203 n-Decane		43	3.525	3.525	(0.960)	586783	50.0000	44.2
9 1,3-Dichlorobenzene		146	3.637	3.637	(0.990)	530347	50.0000	47.4
11 1,4-Dichlorobenzene		146	3.684	3.684	(1.003)	505950	50.0000	46.5
13 1,2-Dichlorobenzene		146	3.784	3.784	(1.030)	496663	50.0000	49.7
14 bis(2-Chloroisopropyl)ether		45	3.819	3.819	(1.040)	1079510	50.0000	49.4
12 Benzyl alcohol		108	3.743	3.743	(1.019)	374370	50.0000	47.8
15 o-Cresol		107	3.796	3.796	(1.034)	411658	50.0000	49.2
18 m,p-Cresols		107	3.901	3.901	(1.062)	548292	50.0000	46.3

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
17 N-Nitrosodipropylamine	70	3.919	3.919	(1.067)	435395	50.0000	50.0
19 Hexachloroethane	117	4.013	4.013	(1.093)	233945	50.0000	48.5
21 Nitrobenzene	77	4.049	4.049	(0.894)	631631	50.0000	52.9
22 Isophorone	82	4.201	4.201	(0.927)	1116369	50.0000	53.1
23 2-Nitrophenol	139	4.260	4.260	(0.940)	226820	50.0000	49.7
24 2,4-Dimethylphenol	122	4.260	4.260	(0.940)	444067	50.0000	56.0
25 bis(2-Chloroethoxy)methane	93	4.325	4.325	(0.955)	689575	50.0000	53.4
26 2,4-Dichlorophenol	162	4.425	4.425	(0.977)	389690	50.0000	53.2
27 Benzoic acid	105	4.343	4.343	(0.958)	208297	50.0000	45.6
28 1,2,4-Trichlorobenzene	180	4.484	4.484	(0.990)	420875	50.0000	52.7
30 Naphthalene	128	4.548	4.548	(1.004)	1485912	50.0000	56.9(Q)
204 alpha-Terpineol	59	4.531	4.531	(1.000)	423967	50.0000	51.1
31 4-Chloroaniline	127	4.566	4.566	(1.008)	716346	50.0000	52.2
32 Hexachlorobutadiene	225	4.613	4.613	(1.018)	237207	50.0000	53.8
33 4-Chloro-3-methylphenol	107	4.884	4.884	(1.078)	477821	50.0000	53.7
34 2-Methylnaphthalene	142	5.031	5.031	(1.110)	884130	50.0000	49.3
35 1-Methylnaphthalene	142	5.101	5.101	(1.126)	879953	50.0000	49.4
36 Hexachlorocyclopentadiene	237	5.131	5.131	(0.887)	126652	50.0000	52.8
205 2,3-Dichloroaniline	161	5.225	5.225	(0.903)	431413	50.0000	49.4
37 2,4,6-Trichlorophenol	196	5.219	5.219	(0.902)	226901	50.0000	48.3
38 2,4,5-Trichlorophenol	196	5.248	5.248	(0.907)	305196	50.0000	53.8
40 2-Chloronaphthalene	162	5.378	5.378	(0.930)	863189	50.0000	48.1
42 o-Nitroaniline	65	5.443	5.443	(0.941)	330415	50.0000	51.1
41 m-Nitroaniline	138	5.737	5.737	(0.992)	240187	50.0000	51.4
43 Dimethylphthalate	163	5.560	5.560	(0.961)	1053178	50.0000	50.3
44 2,6-Dinitrotoluene	165	5.613	5.613	(0.970)	258023	50.0000	51.3
50 2,4-Dinitrotoluene	165	5.901	5.901	(1.020)	328688	50.0000	51.5
45 Acenaphthylene	152	5.684	5.684	(0.983)	1462336	50.0000	48.9
47 Acenaphthene	154	5.807	5.807	(1.004)	858409	50.0000	56.1
48 2,4-Dinitrophenol	184	5.813	5.813	(1.005)	72678	50.0000	48.0(Q)
49 Dibenzofuran	168	5.925	5.925	(1.024)	1176129	50.0000	49.5
51 Diethylphthalate	149	6.048	6.048	(1.046)	1066384	50.0000	50.8
52 4-Nitrophenol	139	5.837	5.837	(1.009)	170537	50.0000	49.4
53 Fluorene	166	6.166	6.166	(1.066)	956740	50.0000	56.6
54 4-Chlorophenylphenylether	204	6.148	6.148	(1.063)	466270	50.0000	49.3
55 2-Methyl-4,6-dinitrophenol	198	6.190	6.190	(0.912)	149128	50.0000	49.8
56 p-Nitroaniline	138	6.172	6.172	(1.067)	199083	50.0000	48.8
133 Diphenylamine	169	6.225	6.225	(0.918)	774959	50.0000	47.6
58 1,2-Diphenylhydrazine	77	6.254	6.254	(0.922)	1209743	50.0000	48.9
61 4-Bromophenylphenylether	248	6.478	6.478	(0.955)	254115	50.0000	50.2
63 Hexachlorobenzene	284	6.531	6.531	(0.963)	272689	50.0000	50.3
65 Pentachlorophenol	266	6.654	6.654	(0.981)	87968	50.0000	45.4
206 n-Octadecane	57	6.648	6.648	(0.980)	692374	50.0000	47.3
68 Phenanthrene	178	6.801	6.801	(1.003)	1361160	50.0000	46.1
69 Anthracene	178	6.831	6.831	(1.007)	1305180	50.0000	44.7
72 Di-n-butylphthalate	149	7.089	7.089	(1.045)	1652095	50.0000	48.1
76 Fluoranthene	202	7.513	7.513	(1.108)	1341966	50.0000	48.2

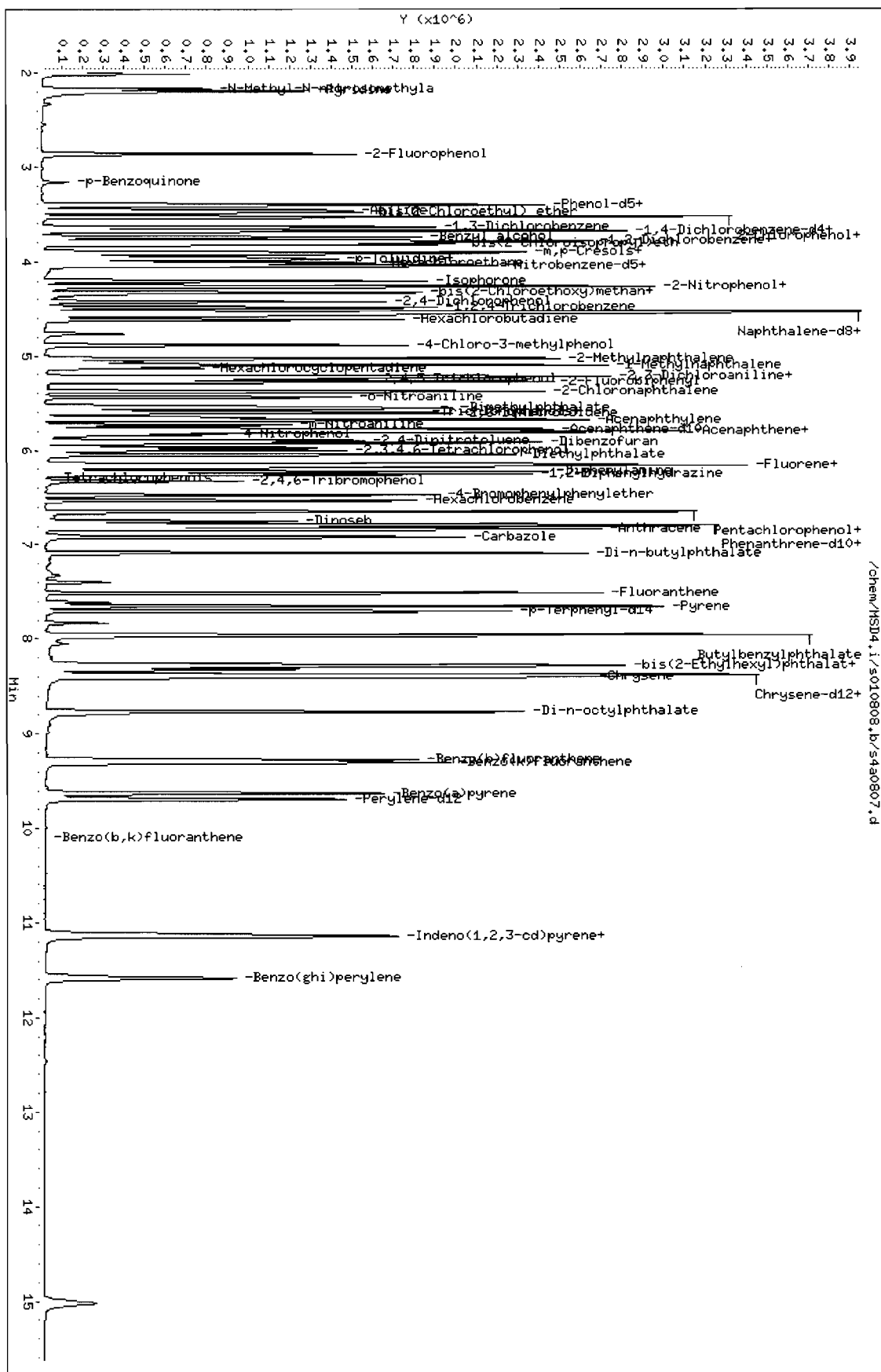
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
79 Pyrene	202	7.654	7.654	(0.912)	1393072	50.0000	45.5
85 Butylbenzylphthalate	149	7.960	7.960	(0.949)	696267	50.0000	51.2
89 Benzo(a)anthracene	228	8.378	8.378	(0.999)	1298122	50.0000	51.6
92 Chrysene	228	8.407	8.407	(1.002)	1139762	50.0000	45.5
93 bis(2-Ethylhexyl)phthalate	149	8.289	8.289	(0.988)	985047	50.0000	57.2
94 Di-n-octylphthalate	149	8.766	8.766	(0.905)	1622132	50.0000	53.8
95 Benzo(b)fluoranthene	252	9.278	9.278	(0.958)	1183432	50.0000	50.7
96 Benzo(k)fluoranthene	252	9.301	9.301	(0.960)	1173525	50.0000	48.2
97 Benzo(a)pyrene	252	9.630	9.630	(0.994)	1027184	50.0000	51.1
99 Indeno(1,2,3-cd)pyrene	276	11.142	11.142	(1.150)	981427	50.0000	54.5
100 Dibenzo(a,h)anthracene	278	11.142	11.142	(1.150)	803832	50.0000	52.6
101 Benzo(ghi)perylene	276	11.583	11.583	(1.195)	845118	50.0000	55.3(Q)
126 m-Dinitrobenzene	168	5.595	5.595	(0.967)	203791	50.0000	53.8
130 2,3,4,6-Tetrachlorophenol	232	6.001	6.001	(1.038)	230783	50.0000	52.9
143 Dinoseb	211	6.748	6.748	(0.995)	205433	50.0000	50.9
173 Carbazole	167	6.919	6.919	(1.020)	1069721	50.0000	46.2
184 p-Benzoquinone	54	3.166	3.166	(0.862)	41075	50.0000	42.4
192 Methoxychlor	227	8.272	8.272	(0.986)	704503	50.0000	51.2
211 p-Toluidine	106	3.954	3.954	(1.077)	456132	50.0000	41.8(Q)
210 m-Toluidine	106	3.978	3.978	(1.083)	753053	50.0000	46.6
M 222 Trichlorophenols	196				532097	100.000	102
M 223 Tetrachlorophenols	232				230783	50.0000	52.9
M 224 Benzo(b,k)fluoranthene	252				2356957	100.000	98.9

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/MSD4.i/s010808.b/s4a0807.d
 Date: 08-JAN-2008 12:33
 Client ID: MEGA050
 Sample Info: IABN080107-05150 PPH113SWF111HECA050
 Column phase: J&W DB-5MS

Instrument: MSD4.i
 Operator: JMB3
 Column diameter: 0.20



Report Date: 21-Jan-2008 12:23

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Data file : /chem/MSD4.i/s010808.b/s4a0808.d

Lab Smp Id: WBN080107-04

Client Smp ID: MEGA080

Inj Date : 08-JAN-2008 12:55

Operator : JMB3

Inst ID: MSD4.i

Smp Info : |WBN080107-04|80 PPM|1|SVMF|1|MEGA080

Misc Info : |MSD8270_LF|WBN080102-01|

Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um

Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m

Meth Date : 21-Jan-2008 12:22 jos00786 Quant Type: ISTD

Cal Date : 06-DEC-2007 17:04

Cal File: s410607.d

Als bottle: 8

Calibration Sample, Level: 6

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: MEGAII.sub

Target Version: 3.50

Processing Host: kilroy

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ng/ul)	(ng/ul)
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152		3.672	3.672	(1.000)	354775	40.0000	
* 29 Naphthalene-d8	136		4.537	4.537	(1.000)	1410934	40.0000	
* 46 Acenaphthene-d10	164		5.784	5.784	(1.000)	771760	40.0000	
* 67 Phenanthrene-d10	188		6.784	6.784	(1.000)	1271865	40.0000	
* 91 Chrysene-d12	240		8.389	8.389	(1.000)	859997	40.0000	
* 98 Perylene-d12	264		9.689	9.689	(1.000)	737558	40.0000	
\$ 3 2-Fluorophenol	112		2.872	2.872	(0.782)	891211	80.0000	74.5
\$ 5 Phenol-d5	99		3.402	3.402	(0.926)	1076617	80.0000	75.0
\$ 20 Nitrobenzene-d5	82		4.037	4.037	(0.890)	1120629	80.0000	80.0
\$ 39 2-Fluorobiphenyl	172		5.278	5.278	(0.913)	1574897	80.0000	71.5
\$ 60 2,4,6-Tribromophenol	329		6.331	6.331	(1.095)	209973	80.0000	85.0
\$ 81 p-Terphenyl-d14	244		7.707	7.707	(0.919)	1466060	80.0000	77.4
1 N-Methyl-N-nitrosomethylamine	74		2.178	2.178	(0.593)	726327	80.0000	80.0
2 Pyridine	79		2.208	2.208	(0.601)	947565	80.0000	78.5
4 Aniline	66		3.466	3.466	(0.944)	497129	80.0000	78.1 (Q)
6 Phenol	94		3.413	3.413	(0.930)	1158104	80.0000	75.8
7 bis(2-Chloroethyl) ether	63		3.484	3.484	(0.949)	882590	80.0000	75.1 (Q)
8 2-Chlorophenol	128		3.543	3.543	(0.965)	844684	80.0000	73.4
203 n-Decane	43		3.525	3.525	(0.960)	801615	80.0000	56.9
9 1,3-Dichlorobenzene	146		3.637	3.637	(0.990)	867623	80.0000	71.4
11 1,4-Dichlorobenzene	146		3.684	3.684	(1.003)	827829	80.0000	70.3
13 1,2-Dichlorobenzene	146		3.784	3.784	(1.030)	796475	80.0000	72.4
14 bis(2-Chloroisopropyl) ether	45		3.825	3.825	(1.042)	1745845	80.0000	73.2
12 Benzyl alcohol	108		3.749	3.749	(1.021)	669551	80.0000	78.4
15 o-Cresol	107		3.802	3.802	(1.035)	692668	80.0000	75.2
18 m,p-Cresols	107		3.913	3.913	(1.066)	979985	80.0000	76.1

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ng/ul)	(ng/ul)
=====		=====	==	=====	=====	=====	=====	=====
17 N-Nitrosodipropylamine		70	3.931	3.931	(1.070)	767946	80.0000	80.1
19 Hexachloroethane		117	4.013	4.013	(1.093)	391534	80.0000	74.1
21 Nitrobenzene		77	4.054	4.054	(0.894)	1088820	80.0000	79.2
22 Isophorone		82	4.213	4.213	(0.929)	2025537	80.0000	83.2
23 2-Nitrophenol		139	4.260	4.260	(0.939)	381319	80.0000	73.6
24 2,4-Dimethylphenol		122	4.266	4.266	(0.940)	749651	80.0000	88.2
25 bis(2-Chloroethoxy)methane		93	4.331	4.331	(0.955)	1178931	80.0000	79.1
26 2,4-Dichlorophenol		162	4.425	4.425	(0.975)	670501	80.0000	79.4
27 Benzoic acid		105	4.360	4.360	(0.961)	497510	80.0000	79.1
28 1,2,4-Trichlorobenzene		180	4.490	4.490	(0.990)	697034	80.0000	76.0
30 Naphthalene		128	4.554	4.554	(1.004)	2357723	80.0000	82.8(Q)
204 alpha-Terpineol		59	4.531	4.531	(0.999)	667679	80.0000	71.3
31 4-Chloroaniline		127	4.572	4.572	(1.008)	1209394	80.0000	77.2
32 Hexachlorobutadiene		225	4.619	4.619	(1.018)	424553	80.0000	82.0
33 4-Chloro-3-methylphenol		107	4.890	4.890	(1.078)	802501	80.0000	78.4
34 2-Methylnaphthalene		142	5.031	5.031	(1.109)	1448234	80.0000	71.1
35 1-Methylnaphthalene		142	5.101	5.101	(1.124)	1423878	80.0000	70.2
36 Hexachlorocyclopentadiene		237	5.131	5.131	(0.887)	230047	80.0000	84.2
205 2,3-Dichloroaniline		161	5.231	5.231	(0.904)	701602	80.0000	70.3
37 2,4,6-Trichlorophenol		196	5.225	5.225	(0.903)	418410	80.0000	77.2
38 2,4,5-Trichlorophenol		196	5.248	5.248	(0.907)	482894	80.0000	74.4
40 2-Chloronaphthalene		162	5.384	5.384	(0.931)	1398026	80.0000	68.2
42 o-Nitroaniline		65	5.443	5.443	(0.941)	574156	80.0000	77.1
41 m-Nitroaniline		138	5.743	5.743	(0.993)	442213	80.0000	81.8
43 Dimethylphthalate		163	5.566	5.566	(0.962)	1742100	80.0000	72.7
44 2,6-Dinitrotoluene		165	5.619	5.619	(0.972)	408444	80.0000	71.1
50 2,4-Dinitrotoluene		165	5.907	5.907	(1.021)	548389	80.0000	74.6
45 Acenaphthylene		152	5.690	5.690	(0.984)	2344147	80.0000	68.2
47 Acenaphthene		154	5.807	5.807	(1.004)	1386751	80.0000	82.2
48 2,4-Dinitrophenol		184	5.819	5.819	(1.006)	152845	80.0000	79.1(Q)
49 Dibenzofuran		168	5.931	5.931	(1.025)	1903838	80.0000	69.9
51 Diethylphthalate		149	6.054	6.054	(1.047)	1718408	80.0000	71.1
52 4-Nitrophenol		139	5.843	5.843	(1.010)	317931	80.0000	80.6
53 Fluorene		166	6.166	6.166	(1.066)	1551147	80.0000	82.2
54 4-Chlorophenylphenylether		204	6.148	6.148	(1.063)	751365	80.0000	69.5
55 2-Methyl-4,6-dinitrophenol		198	6.196	6.196	(0.913)	252791	80.0000	77.4
56 p-Nitroaniline		138	6.178	6.178	(1.068)	388707	80.0000	81.1
133 Diphenylamine		169	6.231	6.231	(0.918)	1305162	80.0000	74.7
58 1,2-Diphenylhydrazine		77	6.260	6.260	(0.923)	2054741	80.0000	77.5
61 4-Bromophenylphenylether		248	6.478	6.478	(0.955)	427079	80.0000	77.9
63 Hexachlorobenzene		284	6.537	6.537	(0.964)	476418	80.0000	80.4
65 Pentachlorophenol		266	6.654	6.654	(0.981)	179413	80.0000	88.0
206 n-Octadecane		57	6.648	6.648	(0.980)	869542	80.0000	57.2
68 Phenanthrene		178	6.801	6.801	(1.003)	2121288	80.0000	67.6
69 Anthracene		178	6.837	6.837	(1.008)	2119581	80.0000	68.3
72 Di-n-butylphthalate		149	7.090	7.090	(1.045)	2521315	80.0000	68.9
76 Fluoranthene		202	7.513	7.513	(1.108)	2117439	80.0000	70.5

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
79 Pyrene	202	7.654	7.654	(0.912)	2227899	80.0000	74.5
85 Butylbenzylphthalate	149	7.954	7.954	(0.948)	1017011	80.0000	75.3
89 Benzo(a)anthracene	228	8.378	8.378	(0.999)	2021114	80.0000	79.6
92 Chrysene	228	8.407	8.407	(1.002)	1775444	80.0000	70.9
93 bis(2-Ethylhexyl)phthalate	149	8.289	8.289	(0.988)	1460191	80.0000	86.8
94 Di-n-octylphthalate	149	8.766	8.766	(0.905)	2535319	80.0000	80.6
95 Benzo(b)fluoranthene	252	9.278	9.278	(0.958)	2007182	80.0000	81.8
96 Benzo(k)fluoranthene	252	9.307	9.307	(0.961)	1646990	80.0000	67.0
97 Benzo(a)pyrene	252	9.631	9.631	(0.994)	1613451	80.0000	77.6
99 Indeno(1,2,3-cd)pyrene	276	11.148	11.148	(1.151)	1480012	80.0000	80.5
100 Dibenzo(a,h)anthracene	278	11.154	11.154	(1.151)	1218957	80.0000	78.6
101 Benzo(ghi)perylene	276	11.595	11.595	(1.197)	1260191	80.0000	80.8(Q)
126 m-Dinitrobenzene	168	5.601	5.601	(0.968)	341248	80.0000	77.6
130 2,3,4,6-Tetrachlorophenol	232	6.007	6.007	(1.039)	388003	80.0000	76.8
143 Dinoseb	211	6.754	6.754	(0.996)	344002	80.0000	77.2
173 Carbazole	167	6.925	6.925	(1.021)	1779442	80.0000	71.6
184 p-Benzoquinone	54	3.166	3.166	(0.862)	103255	80.0000	103
192 Methoxychlor	227	8.272	8.272	(0.986)	1082717	80.0000	78.5
211 p-Toluidine	106	3.960	3.960	(1.078)	986684	80.0000	82.7
210 m-Toluidine	106	3.978	3.978	(1.083)	1247482	80.0000	72.9
M 222 Trichlorophenols	196				901304	160.000	152
M 223 Tetrachlorophenols	232				388003	80.0000	76.8
M 224 Benzo(b,k)fluoranthene	252				3654172	160.000	149

QC Flag Legend

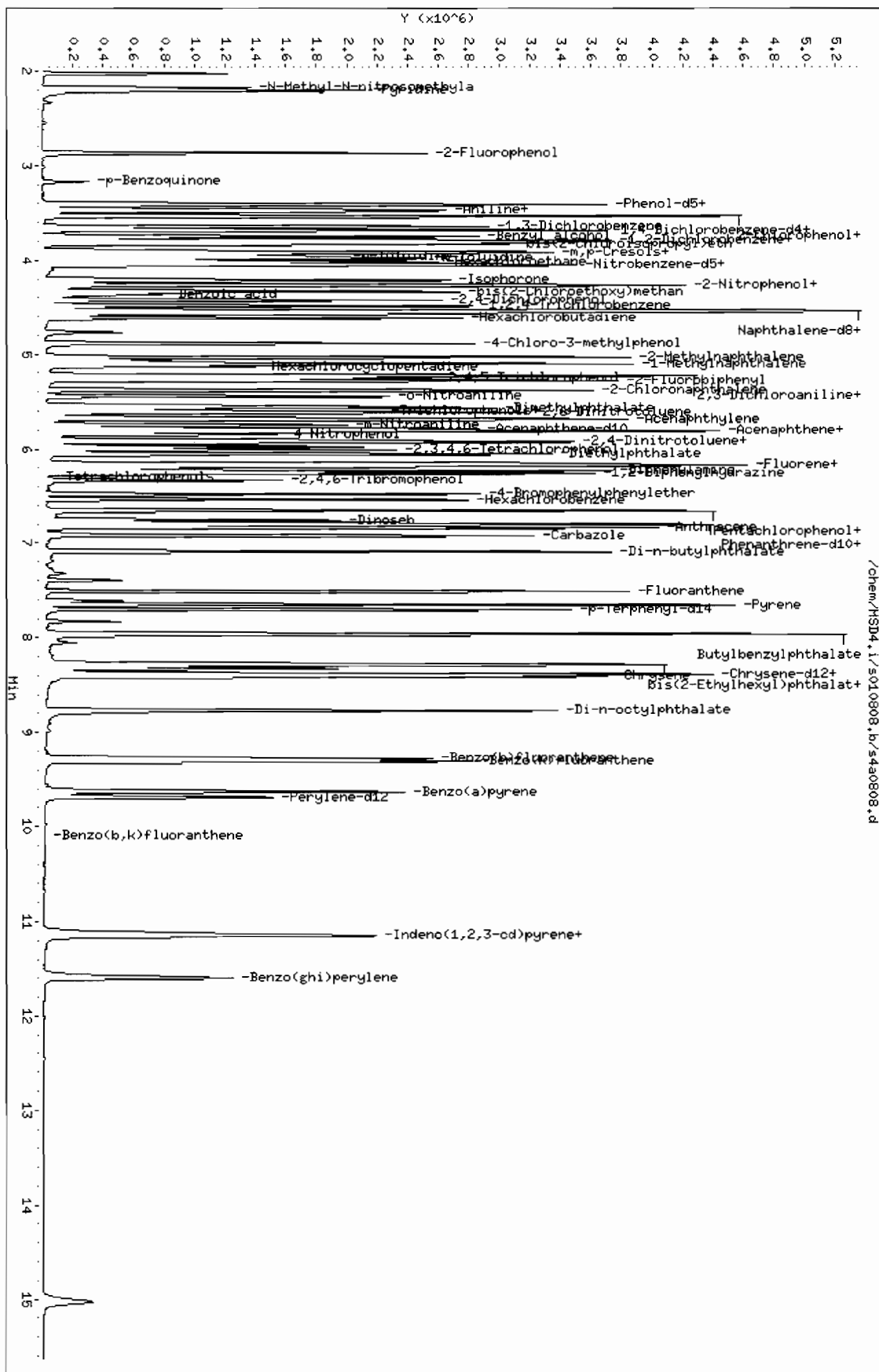
Q - Qualifier signal failed the ratio test.

Data File: /chem/MSD4.i/s010808.b/s4a0808.d
 Date : 08-JAN-2008 12:55
 Client ID: HECR080
 Sample Info: IWBNO80107-04180 PPH111SWH111HECR080

Column phase: J&W DB-5MS

Instrument: MSD4.i
 Operator: JMB3
 Column diameter: 0.20

/chem/MSD4.i/s010808.b/s4a0808.d



Data File: /chem/MSD4.i/s010808.b/s4a0809.d
Report Date: 21-Jan-2008 12:23

Page 1

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Data file : /chem/MSD4.i/s010808.b/s4a0809.d
Lab Smp Id: WBN080107-03 Client Smp ID: MEGA100
Inj Date : 08-JAN-2008 13:17
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN080107-03|100 PPM|1|SVMF|1|MEGA100
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:23 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 17:24 Cal File: s4l0608.d
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: MEGAII.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	====	==	=====	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	331097	40.0000		
* 29 Naphthalene-d8	136	4.537	4.537	(1.000)	1293895	40.0000		
* 46 Acenaphthene-d10	164	5.784	5.784	(1.000)	706345	40.0000		
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1179411	40.0000		
* 91 Chrysene-d12	240	8.389	8.389	(1.000)	807739	40.0000		
* 98 Perylene-d12	264	9.689	9.689	(1.000)	663361	40.0000		
\$ 3 2-Fluorophenol	112	2.872	2.872	(0.782)	978308	100.000		89.5
\$ 5 Phenol-d5	99	3.407	3.407	(0.928)	1190832	100.000		90.3
\$ 20 Nitrobenzene-d5	82	4.043	4.043	(0.891)	1210384	100.000		92.8
\$ 39 2-Fluorobiphenyl	172	5.278	5.278	(0.913)	1709177	100.000		84.1
\$ 60 2,4,6-Tribromophenol	329	6.331	6.331	(1.095)	240265	100.000		103
\$ 81 p-Terphenyl-d14	244	7.707	7.707	(0.919)	1735051	100.000		97.4
1 N-Methyl-N-nitrosomethylamine	74	2.178	2.178	(0.593)	806308	100.000		95.3
2 Pyridine	79	2.202	2.202	(0.600)	1055961	100.000		94.4
4 Aniline	66	3.466	3.466	(0.944)	567067	100.000		96.6(Q)
6 Phenol	94	3.419	3.419	(0.931)	1243988	100.000		88.6(Q)
7 bis(2-Chloroethyl) ether	63	3.484	3.484	(0.949)	949658	100.000		87.8(Q)
8 2-Chlorophenol	128	3.543	3.543	(0.965)	906937	100.000		86.0
203 n-Decane	43	3.531	3.531	(0.962)	830781	100.000		65.4
9 1,3-Dichlorobenzene	146	3.643	3.643	(0.992)	932155	100.000		83.6
11 1,4-Dichlorobenzene	146	3.684	3.684	(1.003)	892797	100.000		82.9
13 1,2-Dichlorobenzene	146	3.790	3.790	(1.032)	852553	100.000		83.3
14 bis(2-Chloroisopropyl)ether	45	3.825	3.825	(1.042)	1831730	100.000		83.4
12 Benzyl alcohol	108	3.749	3.749	(1.021)	738384	100.000		93.4
15 o-Cresol	107	3.801	3.801	(1.035)	735019	100.000		85.9
18 m,p-Cresols	107	3.913	3.913	(1.066)	1084926	100.000		91.8

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
17 N-Nitrosodipropylamine	70	3.931	3.931	(1.070)	818476	100.000	92.0
19 Hexachloroethane	117	4.013	4.013	(1.093)	418024	100.000	85.6
21 Nitrobenzene	77	4.054	4.054	(0.894)	1170331	100.000	91.5
22 Isophorone	82	4.219	4.219	(0.930)	2230762	100.000	97.8
23 2-Nitrophenol	139	4.266	4.266	(0.940)	416497	100.000	87.0
24 2,4-Dimethylphenol	122	4.266	4.266	(0.940)	794634	100.000	102
25 bis(2-Chloroethoxy)methane	93	4.331	4.331	(0.955)	1269361	100.000	91.2
26 2,4-Dichlorophenol	162	4.431	4.431	(0.977)	723824	100.000	92.2
27 Benzoic acid	105	4.372	4.372	(0.964)	633938	100.000	102
28 1,2,4-Trichlorobenzene	180	4.490	4.490	(0.990)	748311	100.000	87.9
30 Naphthalene	128	4.554	4.554	(1.004)	2547712	100.000	98.1(Q)
204 alpha-Terpineol	59	4.537	4.537	(1.000)	720387	100.000	83.8
31 4-Chloroaniline	127	4.572	4.572	(1.008)	1320665	100.000	91.2
32 Hexachlorobutadiene	225	4.619	4.619	(1.018)	468011	100.000	95.3
33 4-Chloro-3-methylphenol	107	4.890	4.890	(1.078)	881032	100.000	92.5
34 2-Methylnaphthalene	142	5.031	5.031	(1.109)	1541029	100.000	82.1
35 1-Methylnaphthalene	142	5.107	5.107	(1.126)	1520860	100.000	81.3
36 Hexachlorocyclopentadiene	237	5.131	5.131	(0.887)	259976	100.000	105
205 2,3-Dichloroaniline	161	5.231	5.231	(0.904)	765350	100.000	83.5
37 2,4,6-Trichlorophenol	196	5.225	5.225	(0.903)	439183	100.000	87.7
38 2,4,5-Trichlorophenol	196	5.254	5.254	(0.908)	547502	100.000	91.7
40 2-Chloronaphthalene	162	5.384	5.384	(0.931)	1505334	100.000	80.2
42 o-Nitroaniline	65	5.448	5.448	(0.942)	642160	100.000	93.5
41 m-Nitroaniline	138	5.748	5.748	(0.994)	479632	100.000	97.0
43 Dimethylphthalate	163	5.572	5.572	(0.963)	1893520	100.000	86.1
44 2,6-Dinitrotoluene	165	5.619	5.619	(0.972)	453181	100.000	86.1
50 2,4-Dinitrotoluene	165	5.907	5.907	(1.021)	598963	100.000	89.0
45 Acenaphthylene	152	5.690	5.690	(0.984)	2530632	100.000	80.2
47 Acenaphthene	154	5.813	5.813	(1.005)	1511326	100.000	98.2
48 2,4-Dinitrophenol	184	5.819	5.819	(1.006)	188407	100.000	102(Q)
49 Dibenzofuran	168	5.931	5.931	(1.025)	2074971	100.000	82.9
51 Diethylphthalate	149	6.054	6.054	(1.047)	1851252	100.000	83.3
52 4-Nitrophenol	139	5.848	5.848	(1.011)	363596	100.000	102
53 Fluorene	166	6.172	6.172	(1.067)	1729859	100.000	99.8
54 4-Chlorophenylphenylether	204	6.154	6.154	(1.064)	863043	100.000	86.9
55 2-Methyl-4,6-dinitrophenol	198	6.201	6.201	(0.914)	288860	100.000	96.5
56 p-Nitroaniline	138	6.184	6.184	(1.069)	444775	100.000	100
133 Diphenylamine	169	6.237	6.237	(0.919)	1440651	100.000	88.0
58 1,2-Diphenylhydrazine	77	6.260	6.260	(0.923)	2114233	100.000	85.9
61 4-Bromophenylphenylether	248	6.484	6.484	(0.956)	483860	100.000	93.7
63 Hexachlorobenzene	284	6.537	6.537	(0.964)	527952	100.000	94.0
65 Pentachlorophenol	266	6.654	6.654	(0.981)	217314	100.000	118
206 n-Octadecane	57	6.654	6.654	(0.981)	874790	100.000	63.1
68 Phenanthrene	178	6.807	6.807	(1.003)	2289880	100.000	79.1
69 Anthracene	178	6.837	6.837	(1.008)	2375566	100.000	83.2
72 Di-n-butylphthalate	149	7.090	7.090	(1.045)	2694857	100.000	80.0
76 Fluoranthene	202	7.513	7.513	(1.108)	2397632	100.000	86.5

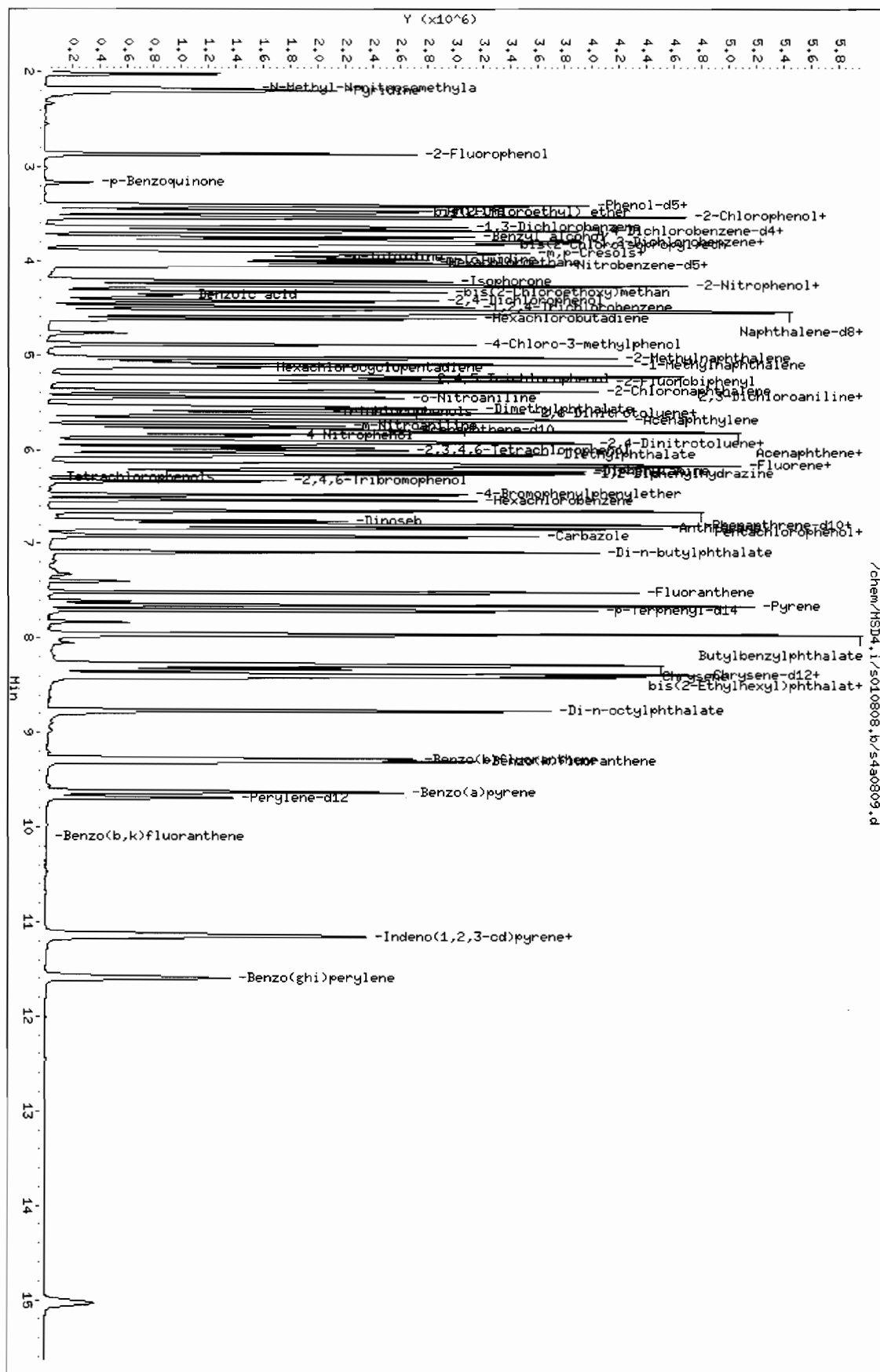
Compounds	QUANT SIG			RESPONSE	AMOUNTS	
	MASS	RT	EXP RT REL RT		CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	----	==	=====	-----	-----	-----
79 Pyrene	202	7.654	7.654 (0.912)	2530412	100.000	90.5
85 Butylbenzylphthalate	149	7.954	7.954 (0.948)	1115716	100.000	87.2
89 Benzo(a)anthracene	228	8.378	8.378 (0.999)	2340553	100.000	97.1
92 Chrysene	228	8.407	8.407 (1.002)	2153736	100.000	91.5
93 bis(2-Ethylhexyl)phthalate	149	8.289	8.289 (0.988)	1608784	100.000	100
94 Di-n-octylphthalate	149	8.766	8.766 (0.905)	2762018	100.000	96.7
95 Benzo(b)fluoranthene	252	9.283	9.283 (0.958)	2155226	100.000	96.8
96 Benzo(k)fluoranthene	252	9.307	9.307 (0.961)	1944493	100.000	89.0
97 Benzo(a)pyrene	252	9.631	9.631 (0.994)	1779393	100.000	95.4
99 Indeno(1,2,3-cd)pyrene	276	11.148	11.148 (1.151)	1571519	100.000	96.5
100 Dibenzo(a,h)anthracene	278	11.154	11.154 (1.151)	1295203	100.000	95.0
101 Benzo(ghi)perylene	276	11.595	11.595 (1.197)	1347073	100.000	97.3(Q)
126 m-Dinitrobenzene	168	5.607	5.607 (0.969)	379334	100.000	93.2
130 2,3,4,6-Tetrachlorophenol	232	6.007	6.007 (1.039)	445095	100.000	94.9
143 Dinoseb	211	6.754	6.754 (0.996)	382008	100.000	93.8
173 Carbazole	167	6.925	6.925 (1.021)	1893355	100.000	82.9
184 p-Benzquinone	54	3.166	3.166 (0.862)	117357	100.000	135(A)
192 Methoxychlor	227	8.272	8.272 (0.986)	1201021	100.000	92.9
211 p-Toluidine	106	3.960	3.960 (1.078)	1201967	100.000	106
210 m-Toluidine	106	3.984	3.984 (1.085)	1315239	100.000	87.6
M 222 Trichlorophenols	196			986685	200.000	179
M 223 Tetrachlorophenols	232			445095	100.000	94.9
M 224 Benzo(b,k)fluoranthene	252			4099719	200.000	186

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.

Data File: /chem/HSD4.i/s010808.b/s4a0809.d
 Date : 08-JAN-2008 13:17
 Client ID: HEC9100
 Sample Info: IABN080107-031100 PH111SWF111HEC9100
 Column Phase: J&M DB-5MS

Instrument: HSD4.i
 Operator: JMB3
 Column diameter: 0.20



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Data file : /chem/MSD4.i/s010808.b/s4a0810.d
Lab Smp Id: WBN080107-02 Client Smp ID: MEGA120
Inj Date : 08-JAN-2008 13:39
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN080107-02|120 PPM|1|SVMF|1|MEGA120
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:23 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 17:44 Cal File: s410609.d
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: MEGAI1.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	323697	40.0000	
* 29 Naphthalene-d8	136	4.537	4.537	(1.000)	1345021	40.0000	
* 46 Acenaphthene-d10	164	5.784	5.784	(1.000)	745388	40.0000	
* 67 Phenanthrene-d10	188	6.789	6.789	(1.000)	1308077	40.0000	
* 91 Chrysene-d12	240	8.395	8.395	(1.000)	973007	40.0000	
* 98 Perylene-d12	264	9.695	9.695	(1.000)	855599	40.0000	
\$ 3 2-Fluorophenol	112	2.872	2.872	(0.782)	1108188	120.000	106
\$ 5 Phenol-d5	99	3.407	3.407	(0.928)	1347963	120.000	106
\$ 20 Nitrobenzene-d5	82	4.043	4.043	(0.891)	1415091	120.000	104
\$ 39 2-Fluorobiphenyl	172	5.284	5.284	(0.914)	2109134	120.000	97.7
\$ 60 2,4,6-Tribromophenol	329	6.336	6.336	(1.096)	340927	120.000	132 (A)
\$ 81 p-Terphenyl-d14	244	7.707	7.707	(0.918)	2647593	120.000	123 (A)
1 N-Methyl-N-nitrosomethylamine	74	2.178	2.178	(0.593)	921158	120.000	112
2 Pyridine	79	2.201	2.201	(0.600)	1226396	120.000	113
4 Aniline	66	3.466	3.466	(0.944)	667016	120.000	118 (Q)
6 Phenol	94	3.419	3.419	(0.931)	1439846	120.000	106 (Q)
7 bis(2-Chloroethyl) ether	63	3.484	3.484	(0.949)	1069212	120.000	102 (Q)
8 2-Chlorophenol	128	3.543	3.543	(0.965)	1046677	120.000	103
203 n-Decane	43	3.531	3.531	(0.962)	875858	120.000	70.5
9 1,3-Dichlorobenzene	146	3.643	3.643	(0.992)	1079296	120.000	100
11 1,4-Dichlorobenzene	146	3.684	3.684	(1.003)	1004977	120.000	97.5
13 1,2-Dichlorobenzene	146	3.790	3.790	(1.032)	996608	120.000	99.6
14 bis(2-Chloroisopropyl)ether	45	3.825	3.825	(1.042)	2001723	120.000	94.4
12 Benzyl alcohol	108	3.754	3.754	(1.022)	877142	120.000	114
15 o-Cresol	107	3.807	3.807	(1.037)	853288	120.000	102
18 m,p-Cresols	107	3.919	3.919	(1.067)	1289404	120.000	113

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	====	==	=====	=====	=====	=====	=====
17 N-Nitrosodipropylamine	70	3.937	3.937	(1.072)	956430	120.000	110
19 Hexachloroethane	117	4.013	4.013	(1.093)	478055	120.000	101
21 Nitrobenzene	77	4.060	4.060	(0.895)	1326845	120.000	99.7
22 Isophorone	82	4.225	4.225	(0.931)	2746584	120.000	114
23 2-Nitrophenol	139	4.266	4.266	(0.940)	490885	120.000	98.0
24 2,4-Dimethylphenol	122	4.272	4.272	(0.942)	954389	120.000	116
25 bis(2-Chloroethoxy)methane	93	4.337	4.337	(0.956)	1494657	120.000	102
26 2,4-Dichlorophenol	162	4.431	4.431	(0.977)	856875	120.000	104
27 Benzoic acid	105	4.378	4.378	(0.965)	753263	120.000	115
28 1,2,4-Trichlorobenzene	180	4.490	4.490	(0.990)	882896	120.000	99.3
30 Naphthalene	128	4.554	4.554	(1.004)	2911528	120.000	111 (Q)
204 alpha-Terpineol	59	4.537	4.537	(1.000)	820105	120.000	92.2
31 4-Chloroaniline	127	4.578	4.578	(1.009)	1533636	120.000	102
32 Hexachlorobutadiene	225	4.619	4.619	(1.018)	573438	120.000	109
33 4-Chloro-3-methylphenol	107	4.895	4.895	(1.079)	1026867	120.000	103
34 2-Methylnaphthalene	142	5.031	5.031	(1.109)	1845552	120.000	94.4
35 1-Methylnaphthalene	142	5.107	5.107	(1.126)	1815457	120.000	93.2
36 Hexachlorocyclopentadiene	237	5.137	5.137	(0.888)	311478	120.000	121 (A)
205 2,3-Dichloroaniline	161	5.231	5.231	(0.904)	933974	120.000	96.4
37 2,4,6-Trichlorophenol	196	5.225	5.225	(0.903)	619061	120.000	116
38 2,4,5-Trichlorophenol	196	5.254	5.254	(0.908)	623680	120.000	98.8
40 2-Chloronaphthalene	162	5.384	5.384	(0.931)	1838252	120.000	92.8
42 o-Nitroaniline	65	5.448	5.448	(0.942)	786954	120.000	109
41 m-Nitroaniline	138	5.748	5.748	(0.994)	588127	120.000	113
43 Dimethylphthalate	163	5.572	5.572	(0.963)	2331132	120.000	101
44 2,6-Dinitrotoluene	165	5.625	5.625	(0.973)	536204	120.000	96.9
50 2,4-Dinitrotoluene	165	5.913	5.913	(1.022)	741382	120.000	105
45 Acenaphthylene	152	5.689	5.689	(0.984)	3010413	120.000	90.3
47 Acenaphthene	154	5.813	5.813	(1.005)	1902914	120.000	117
48 2,4-Dinitrophenol	184	5.825	5.825	(1.007)	252396	120.000	123 (AQ)
49 Dibenzofuran	168	5.931	5.931	(1.025)	2538744	120.000	96.1
51 Diethylphthalate	149	6.060	6.060	(1.048)	2351179	120.000	99.8
52 4-Nitrophenol	139	5.854	5.854	(1.012)	447147	120.000	121 (A)
53 Fluorene	166	6.172	6.172	(1.067)	2204290	120.000	119
54 4-Chlorophenylphenylether	204	6.154	6.154	(1.064)	1121010	120.000	106
55 2-Methyl-4,6-dinitrophenol	198	6.201	6.201	(0.913)	374474	120.000	117
56 p-Nitroaniline	138	6.189	6.189	(1.070)	543095	120.000	115
133 Diphenylamine	169	6.236	6.236	(0.919)	1827837	120.000	100
58 1,2-Diphenylhydrazine	77	6.266	6.266	(0.923)	2660938	120.000	97.7
61 4-Bromophenylphenylether	248	6.484	6.484	(0.955)	653515	120.000	112
63 Hexachlorobenzene	284	6.542	6.542	(0.964)	770000	120.000	121 (A)
65 Pentachlorophenol	266	6.660	6.660	(0.981)	347949	120.000	172 (A)
206 n-Octadecane	57	6.654	6.654	(0.980)	1065979	120.000	70.1
68 Phenanthrene	178	6.807	6.807	(1.003)	3224756	120.000	101
69 Anthracene	178	6.842	6.842	(1.008)	3106353	120.000	99.0
72 Di-n-butylphthalate	149	7.089	7.089	(1.044)	3736772	120.000	100
76 Fluoranthene	202	7.519	7.519	(1.107)	3352439	120.000	109

Compounds	QUANT SIG			RESPONSE	AMOUNTS	
	MASS	RT	EXP RT REL RT		CAL-AMT (ng/ul)	ON-COL (ng/ul)
-----	----	--	-----	-----	-----	-----
79 Pyrene	202	7.654	7.654 (0.912)	3683777	120.000	110
85 Butylbenzylphthalate	149	7.960	7.960 (0.948)	1473629	120.000	96.1
89 Benzo(a)anthracene	228	8.383	8.383 (0.999)	3396841	120.000	116
92 Chrysene	228	8.419	8.419 (1.003)	3020522	120.000	107
93 bis(2-Ethylhexyl)phthalate	149	8.295	8.295 (0.988)	2142997	120.000	111
94 Di-n-octylphthalate	149	8.772	8.772 (0.905)	3871020	120.000	105
95 Benzo(b)fluoranthene	252	9.295	9.295 (0.959)	3445724	120.000	118
96 Benzo(k)fluoranthene	252	9.319	9.319 (0.961)	2610538	120.000	95.2
97 Benzo(a)pyrene	252	9.642	9.642 (0.995)	2685159	120.000	112
99 Indeno(1,2,3-cd)pyrene	276	11.177	11.177 (1.153)	2657118	120.000	123(A)
100 Dibenzo(a,h)anthracene	278	11.177	11.177 (1.153)	2200069	120.000	124(A)
101 Benzo(ghi)perylene	276	11.618	11.618 (1.198)	2335193	120.000	125(AQ)
126 m-Dinitrobenzene	168	5.613	5.613 (0.970)	443451	120.000	103
130 2,3,4,6-Tetrachlorophenol	232	6.007	6.007 (1.039)	537501	120.000	108
143 Dinoseb	211	6.760	6.760 (0.996)	530016	120.000	121(A)
173 Carbazole	167	6.925	6.925 (1.020)	2551037	120.000	101
184 p-Benzoquinone	54	3.166	3.166 (0.862)	140562	120.000	183(A)
192 Methoxychlor	227	8.278	8.278 (0.986)	1790778	120.000	115
211 p-Toluidine	106	3.960	3.960 (1.078)	1334876	120.000	122(AQ)
210 m-Toluidine	106	3.984	3.984 (1.085)	1526705	120.000	109(Q)
M 222 Trichlorophenols	196			1242741	240.000	215
M 223 Tetrachlorophenols	232			537501	120.000	108
M 224 Benzo(b,k)fluoranthene	252			6056262	240.000	214

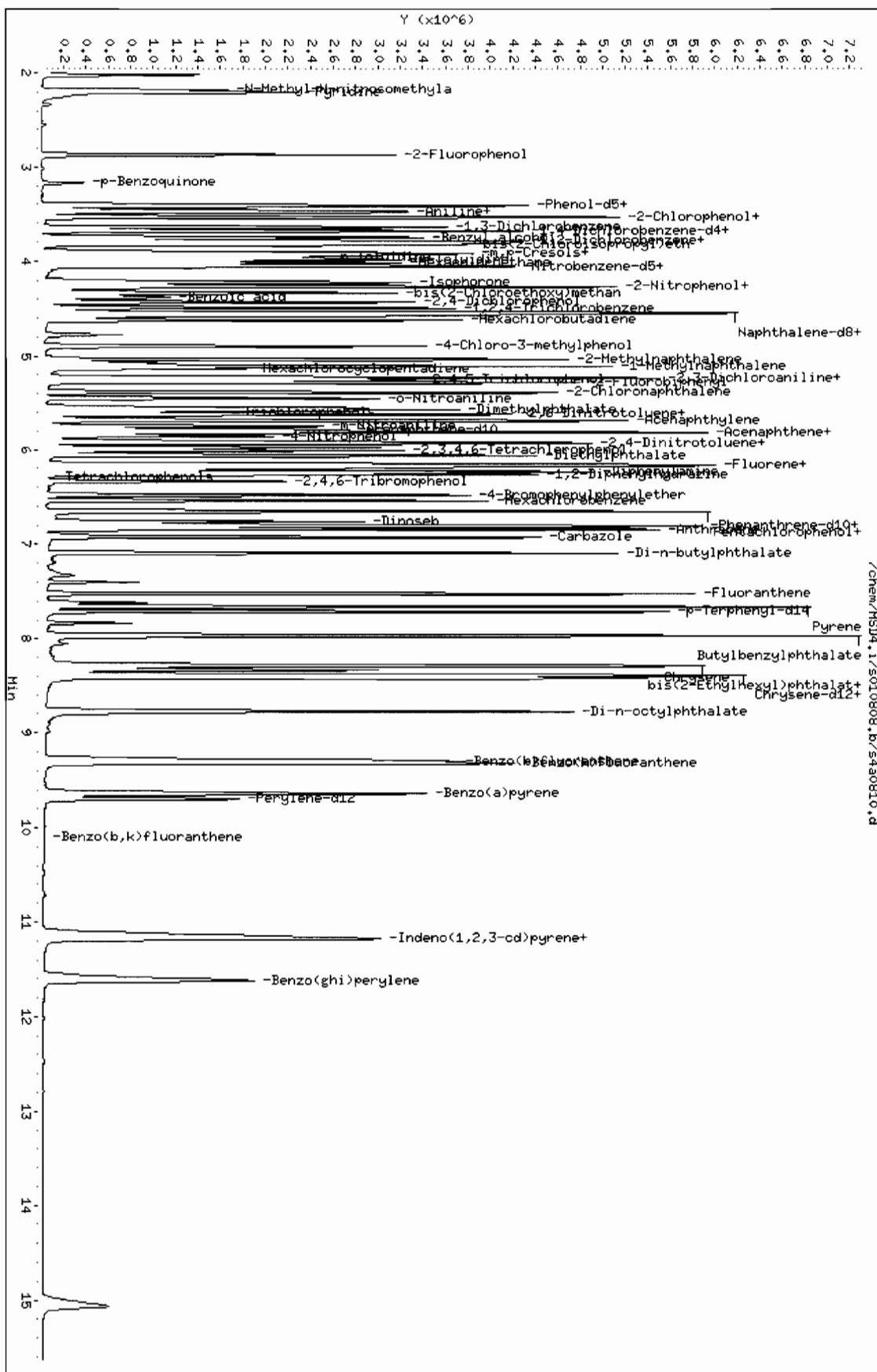
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Q - Qualifier signal failed the ratio test.

Data File: /chem/MSD4.1/s010808.b/s4a0810.d
 Date: 08-JAN-2008 13:39
 Client ID: MEGAL20
 Sample Info: I18N080107-02120 PPH111SMF11.MEGAL20
 Column phase: J&W DB-5MS

Instrument: MSD4.i
 Operator: JMB3
 Column diameter: 0.20



Data File: /chem/MSD4.i/s010808.b/s4a0815.d
Report Date: 21-Jan-2008 12:24

Page 1

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Data file : /chem/MSD4.i/s010808.b/s4a0815.d
Lab Smp Id: WBN071221-16 Client Smp ID: AP001
Inj Date : 08-JAN-2008 15:14
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-16|1 PPM|1|SVMF|1|AP001
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:24 jos00786 Quant Type: ISTD
Cal Date : 08-JAN-2008 15:14 Cal File: s4a0815.d
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AP12.sub
Target Version: 3.50
Processing Host: kilroy

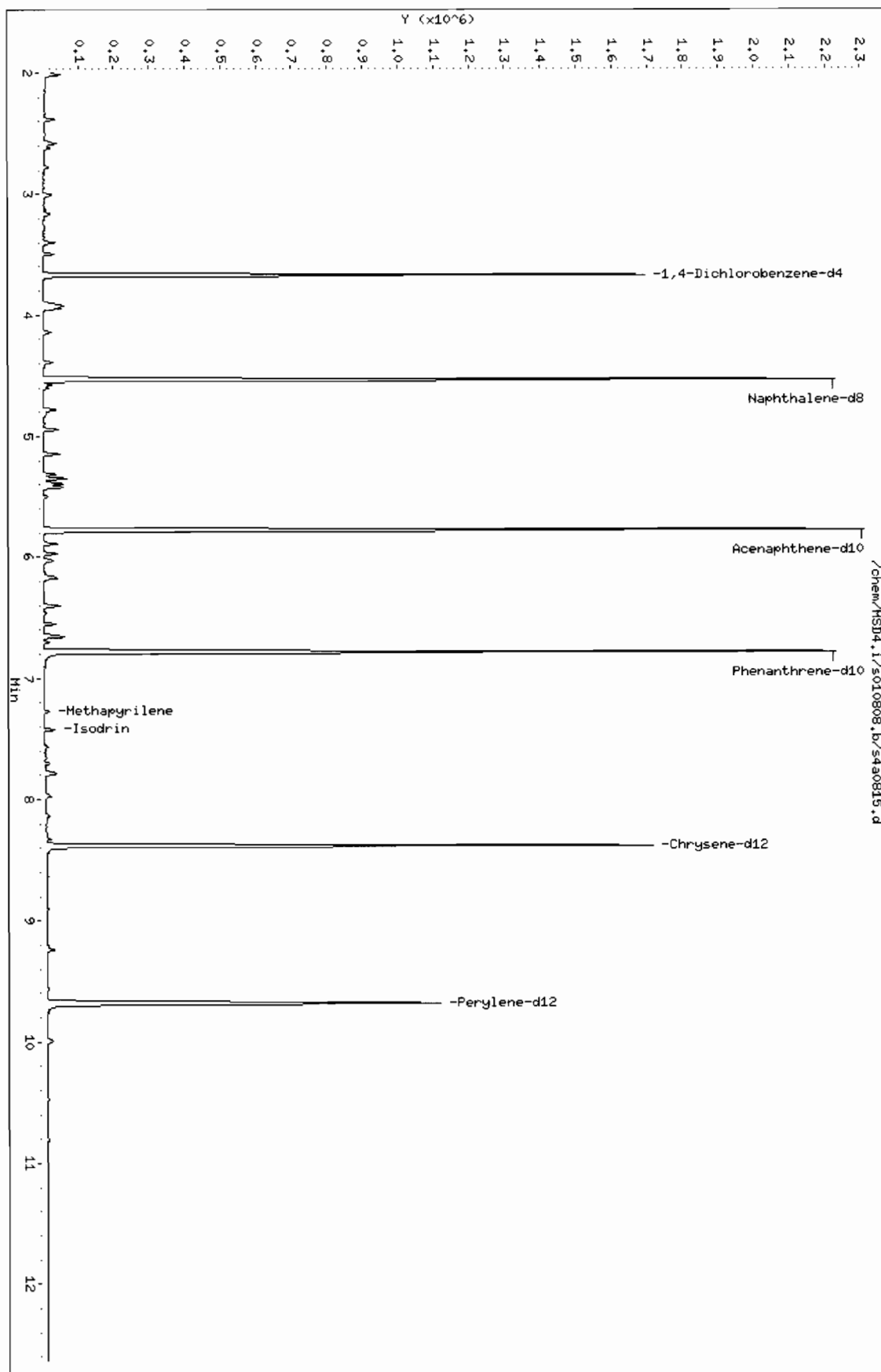
						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng/ul)	(ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	309207	40.0000	
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1226129	40.0000	
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	620125	40.0000	
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1078205	40.0000	
* 91 Chrysene-d12	240	8.384	8.384	(1.000)	742200	40.0000	
* 98 Perylene-d12	264	9.683	9.683	(1.000)	536721	40.0000	
147 Methapyrilene	58	7.272	7.272	(1.072)	7230	1.00000	0.67
148 Isodrin	193	7.425	7.425	(1.095)	3060	1.00000	1.1 (H)

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: /chem/HSD4.1/s010808.bv/s4a0815.d
Date: 08-JAN-2008 15:14
Client ID: AP001
Sample Info: IUBNO71221-1611 PPH11SVHF11AP001
Column phase: J&W DB-5/MS

Instrument: HSD4.i
Operator: JHB3
Column diameter: 0.20



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Data file : /chem/MSD4.i/s010808.b/s4a0816.d
Lab Smp Id: WBN071221-15 Client Smp ID: AP010
Inj Date : 08-JAN-2008 15:33
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-15|10 PPM|1|SVMF|1|AP010
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:24 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 15:38 Cal File: s410603.d
Als bottle: 14 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AP12.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
*****	====	**	*****	*****	*****	*****	*****
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	325356	40.0000	
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1296960	40.0000	
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	668344	40.0000	
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1145545	40.0000	
* 91 Chrysene-d12	240	8.395	8.395	(1.000)	882248	40.0000	
* 98 Perylene-d12	264	9.707	9.707	(1.000)	691589	40.0000	
209 Benzaldehyde	77	3.396	3.396	(0.925)	93948	10.0000	10.2
16 Acetophenone	105	3.919	3.919	(1.067)	165906	10.0000	10.3
189 Caprolactam	113	4.790	4.790	(1.057)	35445	10.0000	9.7(Q)
208 1,1'-Biphenyl	154	5.349	5.349	(0.926)	271068	10.0000	11.5
207 Atrazine	173	6.554	6.554	(0.966)	17356	10.0000	11.9
77 Benzidine	184	7.566	7.566	(0.901)	124310	10.0000	11.6
90 3,3'-Dichlorobenzidine	252	8.337	8.337	(0.993)	72350	10.0000	10.5
102 1,4-Dioxane	88	2.013	2.013	(0.548)	54758	10.0000	10.5
103 Methyl methacrylate	100	2.013	2.013	(0.548)	28865	10.0000	10.2(Q)
104 Ethyl methacrylate	69	2.384	2.384	(0.649)	113804	10.0000	10.1
105 2-Picoline	93	2.572	2.572	(0.700)	144007	10.0000	10.7
106 N-Nitrosomethylethylamine	88	2.613	2.613	(0.712)	61766	10.0000	10.3
107 Methyl methanesulfonate	80	2.772	2.772	(0.755)	69372	10.0000	9.9
108 N-Nitrosodiethylamine	102	3.002	3.002	(0.817)	60650	10.0000	10.7
109 Ethyl Methanesulfonate	79	3.160	3.160	(0.861)	89627	10.0000	9.4
110 Pentachloroethane	167	3.496	3.496	(0.952)	43640	10.0000	11.4
111 N-Nitrosopyrrolidine	100	3.902	3.902	(1.062)	57205	10.0000	10.6(Q)
113 N-Nitrosomorpholine	56	3.925	3.925	(1.069)	81937	10.0000	11.5
114 o-Toluidine	106	3.943	3.943	(1.074)	203112	10.0000	10.8
115 N-Nitrosopiperidine	114	4.143	4.143	(0.914)	59098	10.0000	11.4

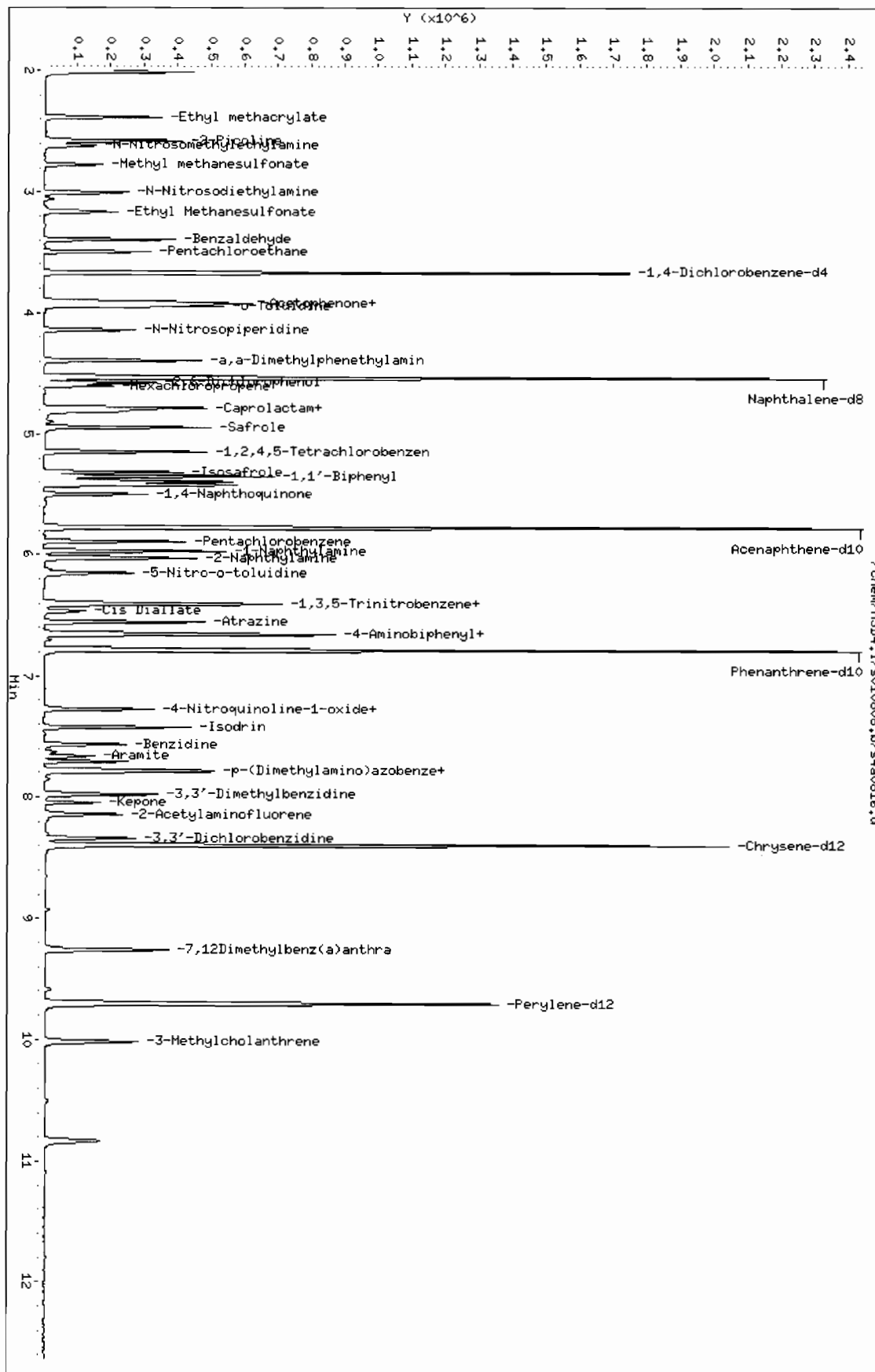
Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	----	--	-----	-----	-----	-----	-----
116 a,a-Dimethylphenethylamine	58	4.390	4.390	(0.969)	340440	10.0000	9.6
118 2,6-Dichlorophenol	162	4.572	4.572	(1.009)	76676	10.0000	10.2
119 Hexachloropropene	213	4.602	4.602	(1.016)	40589	10.0000	9.7
120 p-Phenylenediamine	108	4.807	4.807	(1.061)	88432	10.0000	9.2
121 N-Nitrosodi-n-butylamine	84	4.778	4.778	(1.055)	100132	10.0000	11.8
122 Safrole	162	4.943	4.943	(1.091)	85692	10.0000	11.2
123 1,2,4,5-Tetrachlorobenzene	216	5.143	5.143	(0.890)	89667	10.0000	11.8
124 Isosafrole	162	5.313	5.313	(0.920)	85390	10.0000	11.0
125 1,4-Naphthoquinone	158	5.496	5.496	(0.951)	70485	10.0000	10.9
127 Pentachlorobenzene	250	5.890	5.890	(1.019)	73540	10.0000	11.6
128 1-Naphthylamine	143	5.972	5.972	(1.034)	184798	10.0000	11.4
129 2-Naphthylamine	143	6.025	6.025	(1.043)	209981	10.0000	12.0
131 5-Nitro-o-toluidine	152	6.154	6.154	(1.065)	54052	10.0000	10.9
136 1,3,5-Trinitrobenzene	75	6.384	6.384	(0.941)	35220	10.0000	11.3
137 Phenacetin	108	6.407	6.407	(0.944)	99571	10.0000	10.4(Q)
138 Diallate	86	6.401	6.401	(0.944)	109429	10.0000	11.4
212 Cis Diallate	86	6.466	6.466	(0.953)	17877	1.50000	1.5
213 Trans Diallate	86	6.401	6.401	(0.944)	109429	8.50000	9.7
140 4-Aminobiphenyl	169	6.643	6.643	(0.979)	191913	10.0000	11.9
141 Pentachloronitrobenzene	237	6.654	6.654	(0.981)	23340	10.0000	12.1(Q)
142 Pronamide	173	6.654	6.654	(0.981)	90606	10.0000	12.0
146 4-Nitroquinoline-1-oxide	101	7.254	7.254	(1.069)	4101	10.0000	4.2
147 Methapyrilene	58	7.272	7.272	(1.072)	134373	10.0000	11.4
148 Isodrin	193	7.425	7.425	(1.095)	34544	10.0000	11.8
149 Aramite	185	7.666	7.666	(1.130)	12143	10.0000	11.8
150 Kepone	272	8.048	8.048	(1.186)	16471	10.0000	9.3
151 p-(Dimethylamino)azobenzene	120	7.778	7.778	(0.926)	87338	10.0000	10.2
152 Chlorobenzilate	251	7.795	7.795	(0.929)	77939	10.0000	11.3
153 3,3'-Dimethylbenzidine	212	7.978	7.978	(0.950)	146033	10.0000	11.2
155 2-Acetylaminofluorene	181	8.142	8.142	(0.970)	68117	10.0000	11.7
157 7,12Dimethylbenz(a)anthracene	256	9.260	9.260	(0.954)	101696	10.0000	9.5
158 3-Methylcholanthrene	268	10.019	10.019	(1.032)	100802	10.0000	9.8(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/HSD4.i/s010808.b/s4a0816.d
 Date : 08-JAN-2008 15:33
 Client ID: AP010
 Sample Info: IMBN071221-15110 PPH11(S)HF111AP010
 Column phase: J&M DB-5MS

Instrument: HSD4.i
 Operator: JHB3
 Column diameter: 0.20



Data File: /chem/MSD4.i/s010808.b/s4a0817.d
Report Date: 21-Jan-2008 12:24

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Data file : /chem/MSD4.i/s010808.b/s4a0817.d
Lab Smp Id: WBN071221-14 Client Smp ID: AP020
Inj Date : 08-JAN-2008 15:52
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-14|20 PPM|1|SVMF|1|AP020
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:24 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 15:58 Cal File: s410604.d
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AP12.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ng/ul)	(ng/ul)
*****	=====	=====	=====	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4		152	3.672	3.672	(1.000)	299940	40.0000	
* 29 Naphthalene-d8		136	4.531	4.531	(1.000)	1180880	40.0000	
* 46 Acenaphthene-d10		164	5.778	5.778	(1.000)	612804	40.0000	
* 67 Phenanthrene-d10		188	6.784	6.784	(1.000)	1067965	40.0000	
* 91 Chrysene-d12		240	8.383	8.383	(1.000)	824226	40.0000	
* 98 Perylene-d12		264	9.683	9.683	(1.000)	634079	40.0000	
209 Benzaldehyde		77	3.396	3.396	(0.925)	171451	20.0000	20.5
16 Acetophenone		105	3.919	3.919	(1.067)	295760	20.0000	20.4
189 Caprolactam		113	4.795	4.795	(1.058)	70136	20.0000	21.0 (Q)
208 1,1'-Biphenyl		154	5.348	5.348	(0.926)	476126	20.0000	22.2
207 Atrazine		173	6.554	6.554	(0.966)	31861	20.0000	23.4
77 Benzidine		184	7.566	7.566	(0.902)	198347	20.0000	19.8
90 3,3'-Dichlorobenzidine		252	8.325	8.325	(0.993)	137397	20.0000	20.9
102 1,4-Dioxane		88	2.013	2.013	(0.548)	98023	20.0000	20.6
103 Methyl methacrylate		100	2.013	2.013	(0.548)	52610	20.0000	20.4 (Q)
104 Ethyl methacrylate		69	2.384	2.384	(0.649)	210149	20.0000	20.3
105 2-Picoline		93	2.572	2.572	(0.700)	262902	20.0000	21.2
106 N-Nitrosomethylethylamine		88	2.619	2.619	(0.713)	115951	20.0000	20.8
107 Methyl methanesulfonate		80	2.772	2.772	(0.755)	126011	20.0000	19.8
108 N-Nitrosodiethylamine		102	3.007	3.007	(0.819)	112689	20.0000	21.4
109 Ethyl Methanesulfonate		79	3.166	3.166	(0.862)	164079	20.0000	19.1
110 Pentachloroethane		167	3.495	3.495	(0.952)	79323	20.0000	22.3
111 N-Nitrosopyrrolidine		100	3.907	3.907	(1.064)	108741	20.0000	21.4 (Q)
113 N-Nitrosomorpholine		56	3.931	3.931	(1.070)	149600	20.0000	22.4
114 o-Toluidine		106	3.948	3.948	(1.075)	368448	20.0000	21.5
115 N-Nitrosopiperidine		114	4.143	4.143	(0.914)	108652	20.0000	22.6

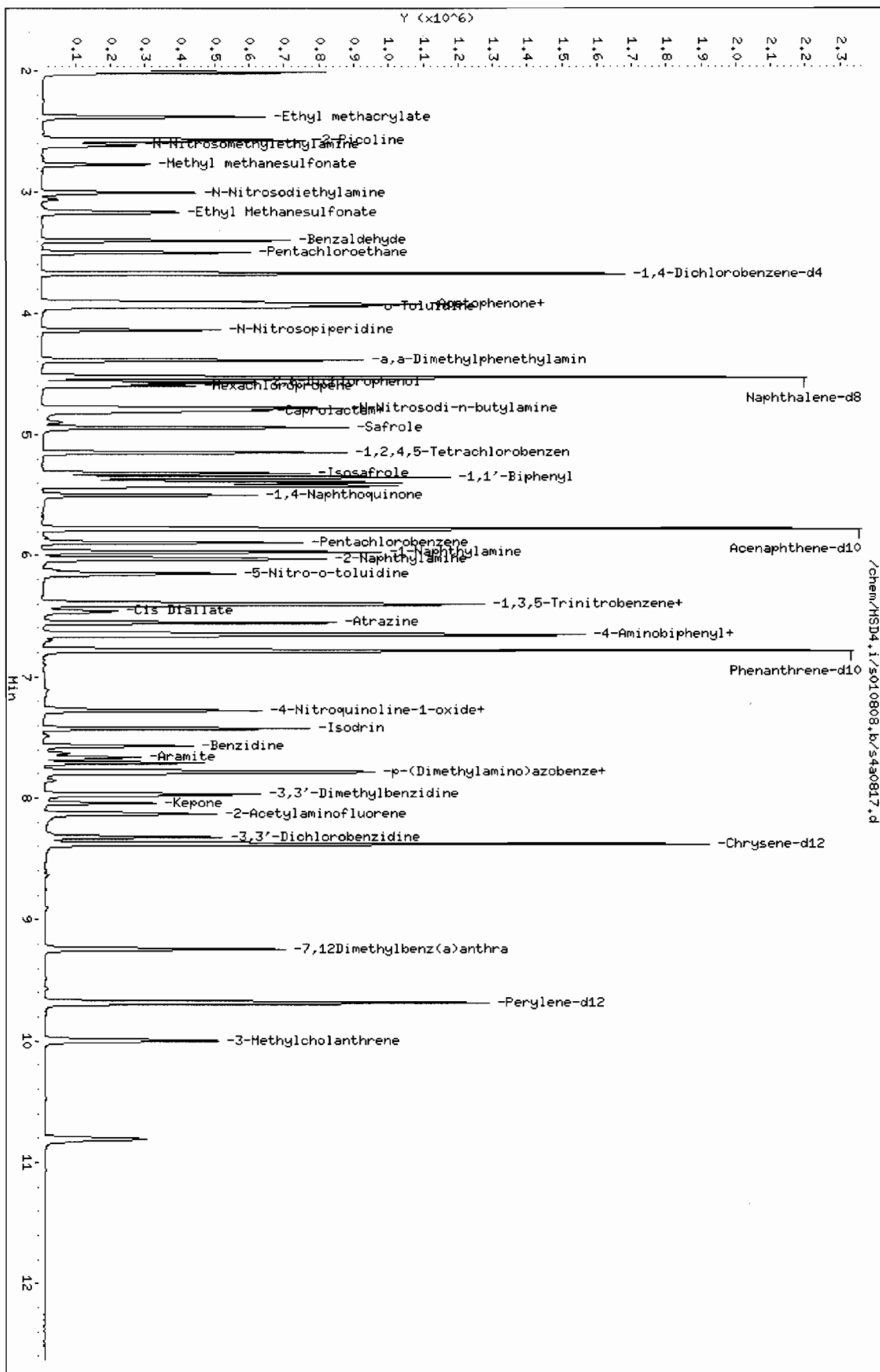
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
116 a,a-Dimethylphenethylamine	58	4.390	4.390	(0.969)	665308	20.0000	20.4
118 2,6-Dichlorophenol	162	4.578	4.578	(1.010)	146151	20.0000	21.3
119 Hexachloropropene	213	4.601	4.601	(1.016)	82464	20.0000	21.2
120 p-Phenylenediamine	108	4.813	4.813	(1.062)	183701	20.0000	21.4
121 N-Nitrosodi-n-butylamine	84	4.784	4.784	(1.056)	188133	20.0000	23.8
122 Safrole	162	4.948	4.948	(1.092)	153305	20.0000	22.2
123 1,2,4,5-Tetrachlorobenzene	216	5.142	5.142	(0.890)	160191	20.0000	22.8
124 Isosafrole	162	5.313	5.313	(0.920)	154482	20.0000	21.6
125 1,4-Naphthoquinone	158	5.501	5.501	(0.952)	143200	20.0000	24.0
127 Pentachlorobenzene	250	5.889	5.889	(1.019)	131845	20.0000	22.5
128 1-Naphthylamine	143	5.972	5.972	(1.034)	333023	20.0000	22.3
129 2-Naphthylamine	143	6.031	6.031	(1.044)	380409	20.0000	23.4
131 5-Nitro-o-toluidine	152	6.154	6.154	(1.065)	109534	20.0000	23.2
136 1,3,5-Trinitrobenzene	75	6.389	6.389	(0.942)	80322	20.0000	20.3
137 Phenacetin	108	6.413	6.413	(0.945)	198210	20.0000	21.8(Q)
138 Diallate	86	6.401	6.401	(0.944)	195621	20.0000	22.0
212 Cis Diallate	86	6.466	6.466	(0.953)	33114	3.00000	3.0
213 Trans Diallate	86	6.401	6.401	(0.944)	195621	17.0000	18.8
140 4-Aminobiphenyl	169	6.642	6.642	(0.979)	376904	20.0000	24.2
141 Pentachloronitrobenzene	237	6.660	6.660	(0.982)	41598	20.0000	22.8(Q)
142 Pronamide	173	6.660	6.660	(0.982)	159268	20.0000	22.8
146 4-Nitroquinoline-1-oxide	101	7.254	7.254	(1.069)	10842	20.0000	13.0
147 Methapyrilene	58	7.272	7.272	(1.072)	258463	20.0000	23.0
148 Isodrin	193	7.425	7.425	(1.095)	61594	20.0000	22.6
149 Aramite	185	7.666	7.666	(1.130)	23634	20.0000	23.7
150 Kepone	272	8.042	8.042	(1.186)	32815	20.0000	20.1
151 p-(Dimethylamino)azobenzene	120	7.778	7.778	(0.928)	162652	20.0000	20.6
152 Chlorobenzilate	251	7.795	7.795	(0.930)	143861	20.0000	22.0
153 3,3'-Dimethylbenzidine	212	7.972	7.972	(0.951)	257932	20.0000	21.0
155 2-Acetylaminofluorene	181	8.130	8.130	(0.970)	143555	20.0000	21.1
157 7,12Dimethylbenz(a)anthracene	256	9.242	9.242	(0.954)	188838	20.0000	19.4
158 3-Methylcholanthrene	268	10.001	10.001	(1.033)	192127	20.0000	20.1(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/HSD4.i/s010808.b/s4a0817.d
 Date: 08-JAN-2008 15:52
 Client ID: AP020
 Sample Info: IUBNO71221-14120 PPH11SMWF11AP020
 Column phase: J&M DB-SMS

Instrument: HSD4.i
 Operator: JHB3
 Column diameter: 0.20



Data File: /chem/MSD4.i/s010808.b/s4a0818.d
Report Date: 21-Jan-2008 12:24

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Data file : /chem/MSD4.i/s010808.b/s4a0818.d
Lab Smp Id: WBN071221-13.1 Client Smp ID: AP040
Inj Date : 08-JAN-2008 16:11
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-13.1|40 PPM|1|SVMF|1|AP040
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:24 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 16:18 Cal File: s410605.d
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AP12.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL	
=====	----	--	-----	-----	-----	-----	-----	-----
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	341186	40.0000		
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1367036	40.0000		
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	705025	40.0000		
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1249288	40.0000		
* 91 Chrysene-d12	240	8.383	8.383	(1.000)	940009	40.0000		
* 98 Perylene-d12	264	9.683	9.683	(1.000)	720903	40.0000		
209 Benzaldehyde	77	3.396	3.396	(0.925)	374600	40.0000	39.8	
16 Acetophenone	105	3.925	3.925	(1.069)	643118	40.0000	39.5	
189 Caprolactam	113	4.813	4.813	(1.062)	160043	40.0000	41.5	
208 1,1'-Biphenyl	154	5.354	5.354	(0.927)	981727	40.0000	40.1	
207 Atrazine	173	6.560	6.560	(0.967)	67848	40.0000	42.4	
77 Benzidine	184	7.566	7.566	(0.902)	489273	40.0000	41.5	
90 3,3'-Dichlorobenzidine	252	8.325	8.325	(0.993)	325342	40.0000	42.7	
102 1,4-Dioxane	88	2.019	2.019	(0.550)	206038	40.0000	38.6	
103 Methyl methacrylate	100	2.013	2.013	(0.548)	107162	40.0000	37.3	
104 Ethyl methacrylate	69	2.384	2.384	(0.649)	448961	40.0000	38.6	
105 2-Picoline	93	2.572	2.572	(0.700)	561131	40.0000	39.9	
106 N-Nitrosomethylethylamine	88	2.619	2.619	(0.713)	268710	40.0000	42.0	
107 Methyl methanesulfonate	80	2.778	2.778	(0.757)	286224	40.0000	39.9	
108 N-Nitrosodiethylamine	102	3.007	3.007	(0.819)	251124	40.0000	41.6	
109 Ethyl Methanesulfonate	79	3.166	3.166	(0.862)	376231	40.0000	39.0	
110 Pentachloroethane	167	3.496	3.496	(0.952)	171506	40.0000	42.1	
111 N-Nitrosopyrrolidine	100	3.913	3.913	(1.066)	253956	40.0000	43.4	
113 N-Nitrosomorpholine	56	3.931	3.931	(1.070)	339655	40.0000	43.8	
114 o-Toluidine	106	3.949	3.949	(1.075)	781167	40.0000	40.5	
115 N-Nitrosopiperidine	114	4.148	4.148	(0.916)	254122	40.0000	44.7	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	====	==	=====	=====	=====	=====	=====
116 a,a-Dimethylphenethylamine	58	4.396	4.396	(0.970)	1599291	40.0000	41.8
118 2,6-Dichlorophenol	162	4.578	4.578	(1.010)	330851	40.0000	41.6
119 Hexachloropropene	213	4.601	4.601	(1.016)	196065	40.0000	43.0
120 p-Phenylenediamine	108	4.813	4.813	(1.062)	444254	40.0000	45.0
121 N-Nitrosodi-n-butylamine	84	4.784	4.784	(1.056)	383613	40.0000	42.0
122 Safrole	162	4.948	4.948	(1.092)	326760	40.0000	41.0
123 1,2,4,5-Tetrachlorobenzene	216	5.143	5.143	(0.890)	343096	40.0000	42.0
124 Isosafrole	162	5.319	5.319	(0.921)	343901	40.0000	41.9
125 1,4-Naphthoquinone	158	5.501	5.501	(0.952)	307855	40.0000	44.5
127 Pentachlorobenzene	250	5.890	5.890	(1.019)	286993	40.0000	42.1
128 1-Naphthylamine	143	5.978	5.978	(1.035)	746753	40.0000	43.2
129 2-Naphthylamine	143	6.031	6.031	(1.044)	817942	40.0000	43.1
131 5-Nitro-o-toluidine	152	6.160	6.160	(1.066)	257389	40.0000	45.8
136 1,3,5-Trinitrobenzene	75	6.390	6.390	(0.942)	213827	40.0000	42.6
137 Phenacetin	108	6.419	6.419	(0.946)	464286	40.0000	42.8
138 Diallate	86	6.401	6.401	(0.944)	420602	40.0000	40.7
212 Cis Diallate	86	6.466	6.466	(0.953)	77813	6.00000	6.0
213 Trans Diallate	86	6.401	6.401	(0.944)	420475	34.0000	34.6
140 4-Aminobiphenyl	169	6.648	6.648	(0.980)	784959	40.0000	42.6
141 Pentachloronitrobenzene	237	6.660	6.660	(0.982)	90449	40.0000	41.8
142 Pronamide	173	6.660	6.660	(0.982)	326175	40.0000	39.9
146 4-Nitroquinoline-1-oxide	101	7.260	7.260	(1.070)	29880	40.0000	33.2
147 Methapyrilene	58	7.278	7.278	(1.073)	577082	40.0000	43.4
148 Isodrin	193	7.425	7.425	(1.095)	132022	40.0000	41.2
149 Aramite	185	7.666	7.666	(1.130)	59755	40.0000	48.6
150 Kepone	272	8.042	8.042	(1.186)	83436	40.0000	43.1
151 p-(Dimethylamino)azobenzene	120	7.778	7.778	(0.928)	346060	40.0000	39.1
152 Chlorobenzilate	251	7.795	7.795	(0.930)	323015	40.0000	42.9
153 3,3'-Dimethylbenzidine	212	7.972	7.972	(0.951)	563463	40.0000	40.0
155 2-Acetylaminofluorene	181	8.136	8.136	(0.971)	354655	40.0000	42.8
157 7,12Dimethylbenz(a)anthracene	256	9.242	9.242	(0.954)	410587	40.0000	37.6
158 3-Methylcholanthrene	268	10.007	10.007	(1.033)	431823	40.0000	39.4

Data File: /chem/HSD4.i/5010808.b/s4s0818.d

Date: 08-JAN-2008 16:11

Client ID: AP040

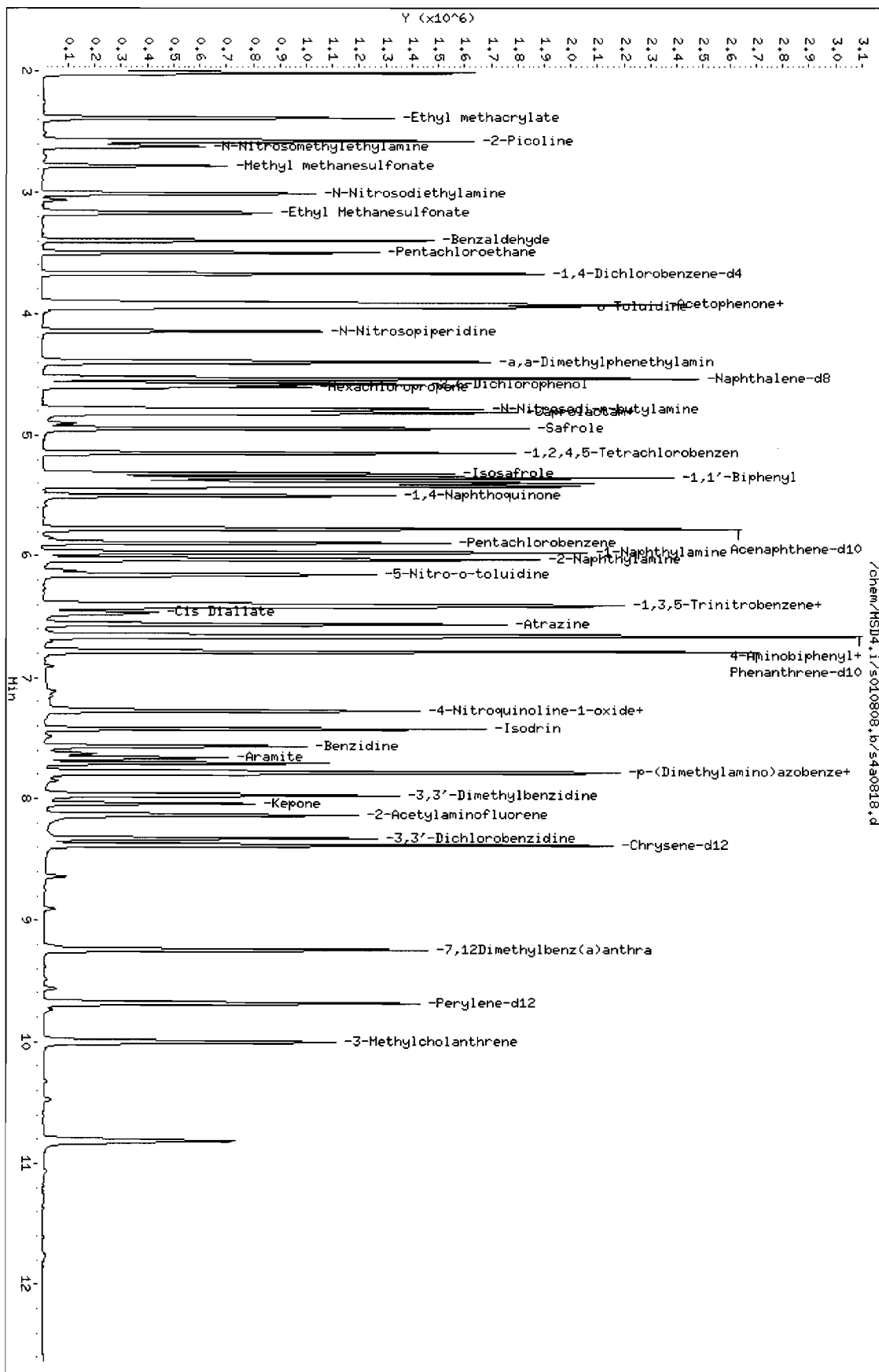
Sample Info: IBBN071221-13.1140 PPH111SVHF111AP040

Column Phase: J&W DB-SMS

Instrument: HSD4.i

Operator: JHB3

Column diameter: 0.20



Data File: /chem/MSD4.i/s010808.b/s4a0819.d
Report Date: 21-Jan-2008 12:25

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Data file : /chem/MSD4.i/s010808.b/s4a0819.d
Lab Smp Id: WBN071221-12 Client Smp ID: AP050
Inj Date : 08-JAN-2008 16:30
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-12|50 PPM|1|SVMF|1|AP050
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:25 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 16:44 Cal File: s4l0606.d
Als bottle: 17 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AP12.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
*****	----	--	-----	-----	-----	-----	-----
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	379516	40.0000	
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1490524	40.0000	
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	740280	40.0000	
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1247826	40.0000	
* 91 Chrysene-d12	240	8.384	8.384	(1.000)	981237	40.0000	
* 98 Perylene-d12	264	9.684	9.684	(1.000)	721036	40.0000	
209 Benzaldehyde	77	3.396	3.396	(0.925)	504810	50.0000	49.1
16 Acetophenone	105	3.925	3.925	(1.069)	842826	50.0000	47.6
189 Caprolactam	113	4.819	4.819	(1.064)	207470	50.0000	49.8
208 1,1'-Biphenyl	154	5.354	5.354	(0.927)	1259831	50.0000	49.3
207 Atrazine	173	6.560	6.560	(0.967)	81885	50.0000	51.3
77 Benzidine	184	7.566	7.566	(0.902)	634073	50.0000	50.9
90 3,3'-Dichlorobenzidine	252	8.325	8.325	(0.993)	424785	50.0000	53.0
102 1,4-Dioxane	88	2.031	2.031	(0.553)	269266	50.0000	46.4
103 Methyl methacrylate	100	2.025	2.025	(0.552)	139136	50.0000	44.9
104 Ethyl methacrylate	69	2.390	2.390	(0.651)	606136	50.0000	47.7
105 2-Picoline	93	2.572	2.572	(0.700)	748336	50.0000	48.4
106 N-Nitrosomethylethylamine	88	2.619	2.619	(0.713)	377436	50.0000	52.5
107 Methyl methanesulfonate	80	2.778	2.778	(0.757)	400437	50.0000	50.6
108 N-Nitrosodiethylamine	102	3.007	3.007	(0.819)	344289	50.0000	51.2
109 Ethyl Methanesulfonate	79	3.166	3.166	(0.862)	524297	50.0000	49.5
110 Pentachloroethane	167	3.496	3.496	(0.952)	229613	50.0000	50.6
111 N-Nitrosopyrrolidine	100	3.913	3.913	(1.066)	332049	50.0000	51.2 (Q)
113 N-Nitrosomorpholine	56	3.937	3.937	(1.072)	447026	50.0000	51.3
114 o-Toluidine	106	3.949	3.949	(1.075)	1020263	50.0000	48.2
115 N-Nitrosopiperidine	114	4.149	4.149	(0.916)	338829	50.0000	53.7

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
116 a,a-Dimethylphenethylamine	58	4.396	4.396	(0.970)	2158413	50.0000	51.4
118 2,6-Dichlorophenol	162	4.578	4.578	(1.010)	443929	50.0000	51.4
119 Hexachloropropene	213	4.602	4.602	(1.016)	281543	50.0000	55.7
120 p-Phenylenediamine	108	4.819	4.819	(1.064)	582823	50.0000	54.4
121 N-Nitrosodi-n-butylamine	84	4.784	4.784	(1.056)	487074	50.0000	49.6
122 Safrole	162	4.949	4.949	(1.092)	421852	50.0000	49.1
123 1,2,4,5-Tetrachlorobenzene	216	5.143	5.143	(0.890)	438204	50.0000	50.7
124 Isosafrole	162	5.319	5.319	(0.921)	442338	50.0000	51.3
125 1,4-Naphthoquinone	158	5.501	5.501	(0.952)	375179	50.0000	51.8
127 Pentachlorobenzene	250	5.896	5.896	(1.020)	369184	50.0000	51.1
128 1-Naphthylamine	143	5.978	5.978	(1.035)	966450	50.0000	52.9
129 2-Naphthylamine	143	6.031	6.031	(1.044)	1039798	50.0000	51.9
131 5-Nitro-o-toluidine	152	6.160	6.160	(1.066)	327682	50.0000	54.5
136 1,3,5-Trinitrobenzene	75	6.390	6.390	(0.942)	262374	50.0000	51.9
137 Phenacetin	108	6.419	6.419	(0.946)	581740	50.0000	53.0(Q)
138 Diallate	86	6.401	6.401	(0.944)	506266	50.0000	49.4
212 Cis Diallate	86	6.466	6.466	(0.953)	97174	7.50000	7.5
213 Trans Diallate	86	6.401	6.401	(0.944)	506266	42.5000	42.0
140 4-Aminobiphenyl	169	6.648	6.648	(0.980)	1014665	50.0000	54.3
141 Pentachloronitrobenzene	237	6.660	6.660	(0.982)	112780	50.0000	51.6(Q)
142 Pronamide	173	6.660	6.660	(0.982)	394193	50.0000	48.4
146 4-Nitroquinoline-1-oxide	101	7.260	7.260	(1.070)	35816	50.0000	43.7
147 Methapyrilene	58	7.278	7.278	(1.073)	674351	50.0000	50.8
148 Isodrin	193	7.425	7.425	(1.095)	154914	50.0000	48.6
149 Aramite	185	7.666	7.666	(1.130)	72147	50.0000	56.8
150 Kepone	272	8.042	8.042	(1.186)	104460	50.0000	53.8
151 p-(Dimethylamino)azobenzene	120	7.784	7.784	(0.928)	419668	50.0000	46.5
152 Chlorobenzilate	251	7.795	7.795	(0.930)	391117	50.0000	49.6
153 3,3'-Dimethylbenzidine	212	7.972	7.972	(0.951)	746579	50.0000	50.6
155 2-Acetylaminofluorene	181	8.137	8.137	(0.971)	463020	50.0000	53.1
157 7,12Dimethylbenz(a)anthracene	256	9.248	9.248	(0.955)	541168	50.0000	49.9
158 3-Methylcholanthrene	268	10.007	10.007	(1.033)	540495	50.0000	49.6(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/MSD4.1/s010808.b/s40819.d

Date: 08-JAN-2008 16:30

Client ID: APO50

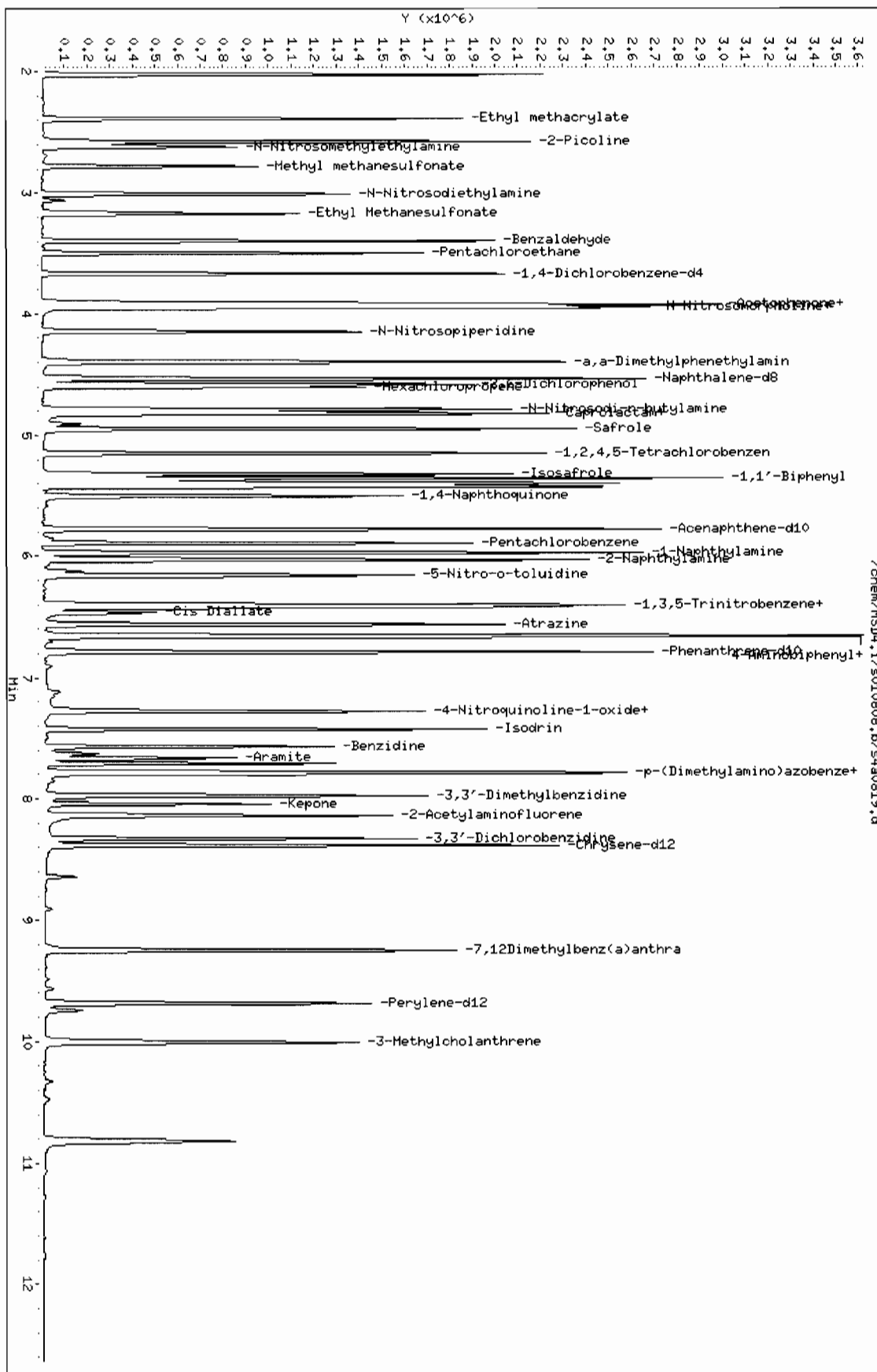
Sample Info: IWBNO71221-12150 PPH111SWF111APO50

Column phase: J&M DB-5HS

Instrument: MSD4.1

Operator: JHB3

Column diameter: 0.20



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Data file : /chem/MSD4.i/s010808.b/s4a0820.d
Lab Smp Id: WBN071221-11 Client Smp ID: AP080
Inj Date : 08-JAN-2008 16:48
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-11|80 PPM|1|SVMF|1|AP080
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:25 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 17:04 Cal File: s4l0607.d
Als bottle: 18 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AP12.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	====	==	=====	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	333134	40.0000		
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1354307	40.0000		
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	690004	40.0000		
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1227796	40.0000		
* 91 Chrysene-d12	240	8.383	8.383	(1.000)	889202	40.0000		
* 98 Perylene-d12	264	9.683	9.683	(1.000)	657187	40.0000		
209 Benzaldehyde	77	3.401	3.401	(0.926)	622508	80.0000	70.3	
16 Acetophenone	105	3.925	3.925	(1.069)	1072963	80.0000	70.5	
189 Caprolactam	113	4.825	4.825	(1.065)	291268	80.0000	77.4 (Q)	
208 1,1'-Biphenyl	154	5.360	5.360	(0.928)	1627747	80.0000	69.1	
207 Atrazine	173	6.566	6.566	(0.968)	114809	80.0000	73.2	
77 Benzidine	184	7.572	7.572	(0.903)	787957	80.0000	70.6	
90 3,3'-Dichlorobenzidine	252	8.331	8.331	(0.994)	576896	80.0000	79.2	
102 1,4-Dioxane	88	2.019	2.019	(0.550)	336420	80.0000	67.8	
103 Methyl methacrylate	100	2.013	2.013	(0.548)	173773	80.0000	66.0 (Q)	
104 Ethyl methacrylate	69	2.384	2.384	(0.649)	781805	80.0000	71.5	
105 2-Picoline	93	2.572	2.572	(0.700)	951061	80.0000	71.2	
106 N-Nitrosomethylethylamine	88	2.619	2.619	(0.713)	502122	80.0000	79.3	
107 Methyl methanesulfonate	80	2.784	2.784	(0.758)	505054	80.0000	73.8	
108 N-Nitrosodiethylamine	102	3.013	3.013	(0.821)	448119	80.0000	76.0	
109 Ethyl Methanesulfonate	79	3.172	3.172	(0.864)	693773	80.0000	75.7	
110 Pentachloroethane	167	3.496	3.496	(0.952)	289837	80.0000	73.0	
111 N-Nitrosopyrrolidine	100	3.919	3.919	(1.067)	411210	80.0000	73.1 (Q)	
113 N-Nitrosomorpholine	56	3.943	3.943	(1.074)	560759	80.0000	73.4	
114 o-Toluidine	106	3.954	3.954	(1.077)	1279903	80.0000	70.1	
115 N-Nitrosopiperidine	114	4.148	4.148	(0.916)	447963	80.0000	77.6	

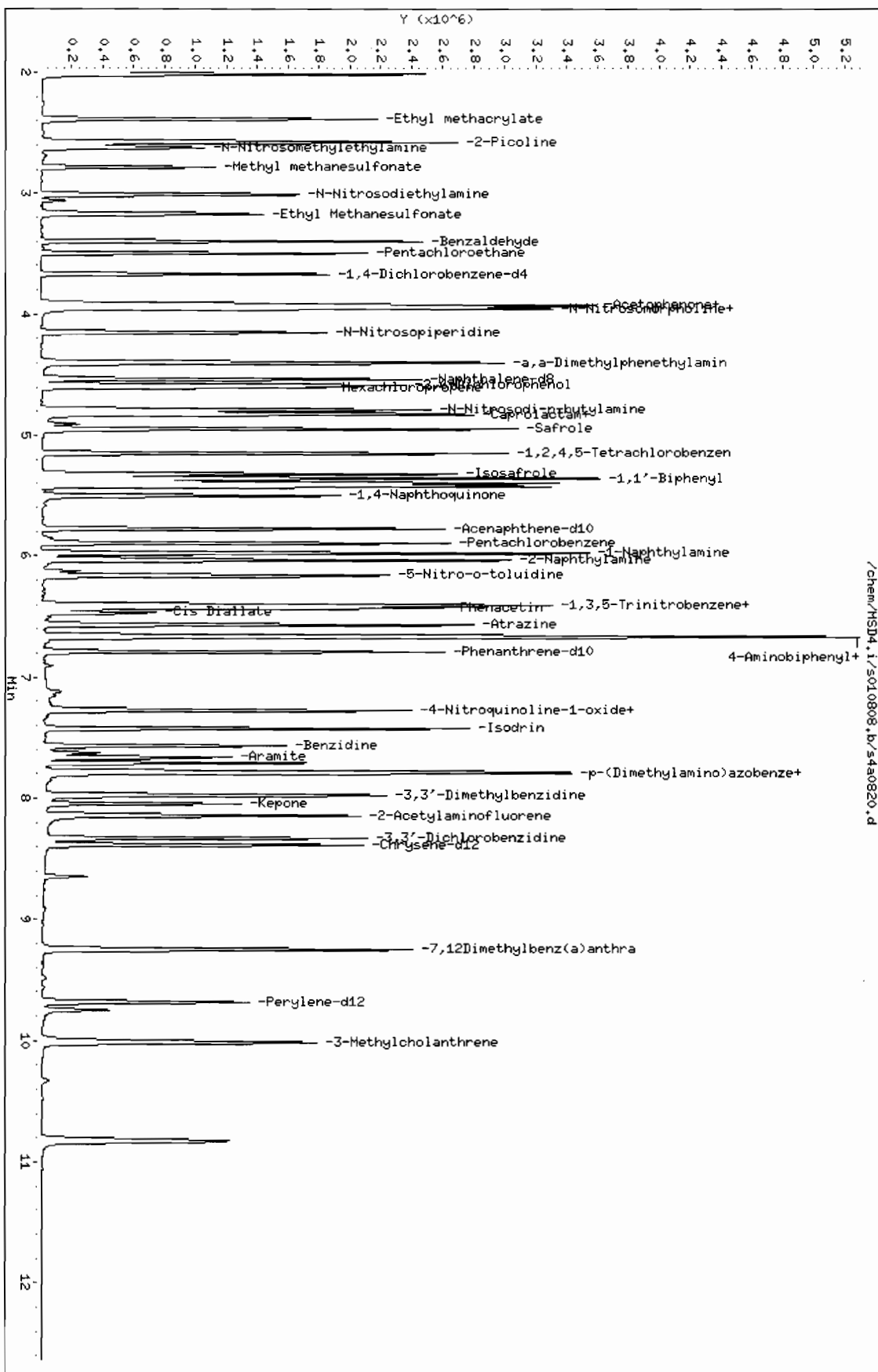
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
116 a,a-Dimethylphenethylamine	58	4.396	4.396	(0.970)	2969684	80.0000	78.3
118 2,6-Dichlorophenol	162	4.578	4.578	(1.010)	580959	80.0000	74.7
119 Hexachloropropene	213	4.601	4.601	(1.016)	355416	80.0000	77.5
120 p-Phenylenediamine	108	4.819	4.819	(1.064)	697017	80.0000	72.5
121 N-Nitrosodi-n-butylamine	84	4.790	4.790	(1.057)	611200	80.0000	68.0
122 Safrole	162	4.948	4.948	(1.092)	548645	80.0000	71.1
123 1,2,4,5-Tetrachlorobenzene	216	5.148	5.148	(0.891)	590641	80.0000	73.2
124 Isosafrole	162	5.319	5.319	(0.921)	587805	80.0000	73.6
125 1,4-Naphthoquinone	158	5.501	5.501	(0.952)	480209	80.0000	71.3
127 Pentachlorobenzene	250	5.895	5.895	(1.020)	521349	80.0000	76.7
128 1-Naphthylamine	143	5.978	5.978	(1.035)	1268587	80.0000	74.6
129 2-Naphthylamine	143	6.031	6.031	(1.044)	1347817	80.0000	72.1
131 5-Nitro-o-toluidine	152	6.160	6.160	(1.066)	465318	80.0000	81.5
136 1,3,5-Trinitrobenzene	75	6.395	6.395	(0.943)	381384	80.0000	77.3
137 Phenacetin	108	6.425	6.425	(0.947)	824601	80.0000	76.6(Q)
138 Diallate	86	6.407	6.407	(0.944)	682779	80.0000	68.8
212 Cis Diallate	86	6.466	6.466	(0.953)	147438	12.0000	11.7
213 Trans Diallate	86	6.407	6.407	(0.944)	682526	68.0000	58.6
140 4-Aminobiphenyl	169	6.648	6.648	(0.980)	1382131	80.0000	74.8
141 Pentachloronitrobenzene	237	6.660	6.660	(0.982)	168541	80.0000	77.6(Q)
142 Pronamide	173	6.666	6.666	(0.983)	583449	80.0000	73.0
146 4-Nitroquinoline-1-oxide	101	7.260	7.260	(1.070)	51214	80.0000	67.8
147 Methapyrilene	58	7.278	7.278	(1.073)	908685	80.0000	70.4
148 Isodrin	193	7.425	7.425	(1.095)	219890	80.0000	70.7
149 Aramite	185	7.666	7.666	(1.130)	108504	80.0000	84.4
150 Kepone	272	8.048	8.048	(1.186)	144064	80.0000	76.3
151 p-(Dimethylamino)azobenzene	120	7.784	7.784	(0.928)	574919	80.0000	71.6
152 Chlorobenzilate	251	7.801	7.801	(0.931)	596063	80.0000	81.8
153 3,3'-Dimethylbenzidine	212	7.978	7.978	(0.952)	977710	80.0000	73.6
155 2-Acetylaminofluorene	181	8.142	8.142	(0.971)	639834	80.0000	81.0
157 7,12Dimethylbenz(a)anthracene	256	9.248	9.248	(0.955)	714481	80.0000	73.8
158 3-Methylcholanthrene	268	10.013	10.013	(1.034)	755979	80.0000	77.1(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/HSD4.i/s010808.b/s4a0820.d
 Date: 08-JAN-2008 16:48
 Client ID: AP080
 Sample Info: IWBNO71221-11.180 PH111SVHF11AP080
 Column phase: J&W DB-5MS

Instrument: HSD4.i
 Operator: JHB3
 Column diameter: 0.20



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Data file : /chem/MSD4.i/s010808.b/s4a0821.d
Lab Smp Id: WBN071221-10 Client Smp ID: AP100
Inj Date : 08-JAN-2008 17:07
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-10|100 PPM|1|SVMF|1|AP100
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:25 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 17:24 Cal File: s410608.d
Als bottle: 19 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AP12.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL	
=====	=====	==	=====	=====	=====	(ng/ul)	(ng/ul)	=====
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	316478	40.0000		
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1272408	40.0000		
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	650784	40.0000		
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1143067	40.0000		
* 91 Chrysene-d12	240	8.384	8.384	(1.000)	882979	40.0000		
* 98 Perylene-d12	264	9.689	9.689	(1.000)	661342	40.0000		
209 Benzaldehyde	77	3.401	3.401	(0.926)	692839	100.000	84.1	
16 Acetophenone	105	3.931	3.931	(1.070)	1197495	100.000	84.4	
189 Caprolactam	113	4.831	4.831	(1.066)	319345	100.000	91.1 (Q)	
208 1,1'-Biphenyl	154	5.360	5.360	(0.928)	1885808	100.000	85.6	
207 Atrazine	173	6.566	6.566	(0.968)	129056	100.000	87.6	
77 Benzidine	184	7.572	7.572	(0.903)	1067060	100.000	96.5	
90 3,3'-Dichlorobenzidine	252	8.331	8.331	(0.994)	733555	100.000	100	
102 1,4-Dioxane	88	2.019	2.019	(0.550)	382345	100.000	83.0	
103 Methyl methacrylate	100	2.013	2.013	(0.548)	198841	100.000	81.9 (Q)	
104 Ethyl methacrylate	69	2.384	2.384	(0.649)	888587	100.000	87.3	
105 2-Picoline	93	2.572	2.572	(0.700)	1078647	100.000	86.3	
106 N-Nitrosomethylethylamine	88	2.619	2.619	(0.713)	579990	100.000	96.2	
107 Methyl methanesulfonate	80	2.784	2.784	(0.758)	601607	100.000	93.3	
108 N-Nitrosodiethylamine	102	3.013	3.013	(0.821)	512130	100.000	91.6	
109 Ethyl Methanesulfonate	79	3.172	3.172	(0.864)	785833	100.000	92.0	
110 Pentachloroethane	167	3.496	3.496	(0.952)	323055	100.000	86.1	
111 N-Nitrosopyrrolidine	100	3.925	3.925	(1.069)	455740	100.000	86.2 (Q)	
113 N-Nitrosomorpholine	56	3.943	3.943	(1.074)	642060	100.000	88.6	
114 o-Toluidine	106	3.954	3.954	(1.077)	1429272	100.000	83.6	
115 N-Nitrosopiperidine	114	4.154	4.154	(0.917)	508676	100.000	92.9	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	====	==	=====	=====	=====	=====	=====
116 a,a-Dimethylphenethylamine	58	4.396	4.396	(0.970)	3412948	100.000	96.4
118 2,6-Dichlorophenol	162	4.584	4.584	(1.012)	649310	100.000	89.6
119 Hexachloropropene	213	4.601	4.601	(1.016)	423658	100.000	98.2
120 p-Phenylenediamine	108	4.825	4.825	(1.065)	815758	100.000	90.3
121 N-Nitrosodi-n-butylamine	84	4.790	4.790	(1.057)	707448	100.000	82.5
122 Safrole	162	4.948	4.948	(1.092)	606272	100.000	84.3
123 1,2,4,5-Tetrachlorobenzene	216	5.148	5.148	(0.891)	684515	100.000	89.9
124 Isosafrole	162	5.325	5.325	(0.922)	659865	100.000	88.2
125 1,4-Naphthoquinone	158	5.501	5.501	(0.952)	518645	100.000	82.1
127 Pentachlorobenzene	250	5.895	5.895	(1.020)	614816	100.000	95.1
128 1-Naphthylamine	143	5.978	5.978	(1.035)	1440566	100.000	89.5
129 2-Naphthylamine	143	6.037	6.037	(1.045)	1548000	100.000	87.5
131 5-Nitro-o-toluidine	152	6.166	6.166	(1.067)	530336	100.000	97.1
136 1,3,5-Trinitrobenzene	75	6.395	6.395	(0.943)	431697	100.000	95.5
137 Phenacetin	108	6.431	6.431	(0.948)	1022651	100.000	101(Q)
138 Diallate	86	6.407	6.407	(0.944)	749344	100.000	82.0
212 Cis Diallate	86	6.466	6.466	(0.953)	169999	15.0000	14.5
213 Trans Diallate	86	6.407	6.407	(0.944)	748991	85.0000	69.8
140 4-Aminobiphenyl	169	6.648	6.648	(0.980)	1640973	100.000	93.8
141 Pentachloronitrobenzene	237	6.666	6.666	(0.983)	198016	100.000	96.2(Q)
142 Pronamide	173	6.666	6.666	(0.983)	673683	100.000	90.0
146 4-Nitroquinoline-1-oxide	101	7.266	7.266	(1.071)	57990	100.000	88.3
147 Methapyrilene	58	7.278	7.278	(1.073)	1031651	100.000	85.9
148 Isodrin	193	7.425	7.425	(1.095)	246384	100.000	85.4
149 Aramite	185	7.666	7.666	(1.130)	126987	100.000	102
150 Kepone	272	8.048	8.048	(1.186)	175838	100.000	99.3
151 p-(Dimethylamino)azobenzene	120	7.784	7.784	(0.928)	675555	100.000	86.8
152 Chlorobenzilate	251	7.801	7.801	(0.931)	705967	100.000	96.9
153 3,3'-Dimethylbenzidine	212	7.978	7.978	(0.952)	1196110	100.000	91.3
155 2-Acetylaminofluorene	181	8.142	8.142	(0.971)	832302	100.000	103
157 7,12Dimethylbenz(a)anthracene	256	9.254	9.254	(0.955)	894298	100.000	93.7
158 3-Methylcholanthrene	268	10.019	10.019	(1.034)	933403	100.000	95.3(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/MSD4.i/s010808.b/s4a0821.d

Date: 08-JAN-2008 17:07

Client ID: AP100

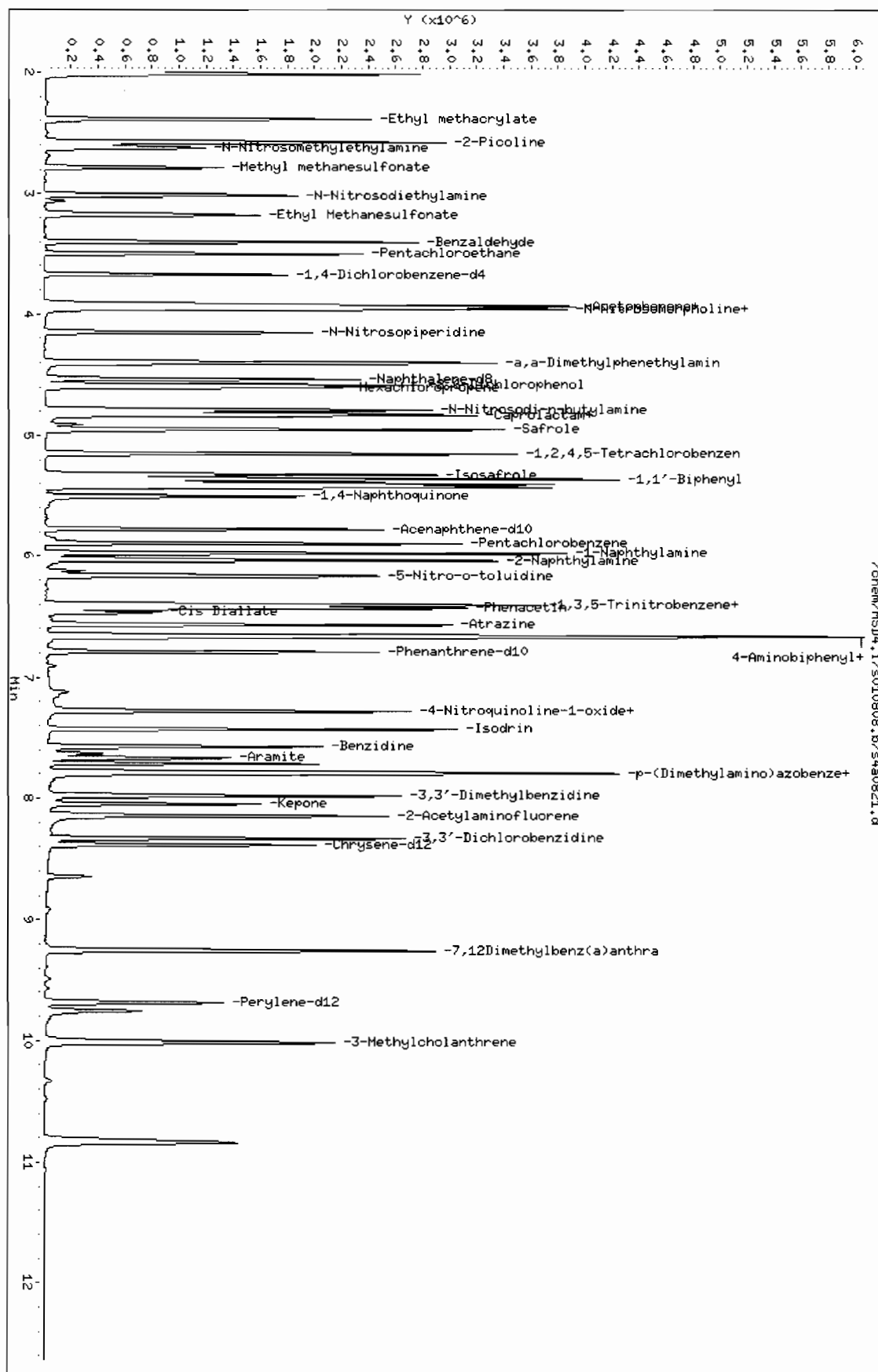
Sample Info: IABNO71221-101100 PPH111SVHF11AP100

Column phase: J&W DB-SMS

Instrument: MSD4.i

Operator: JMB3

Column diameter: 0.20



GEL Laboratories LLC

GEL Laboratories, LLC

Data file : /chem/MSD4.i/s010808.b/s4a0822.d
Lab Smp Id: WBN071221-09 Client Smp ID: AP120
Inj Date : 08-JAN-2008 17:26
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-09|120 PPM|1|SVMF|1|AP120
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:25 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 17:44 Cal File: s410609.d
Als bottle: 20 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AP12.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	====	==	=====	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	380690	40.0000		
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1560908	40.0000		
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	792167	40.0000		
* 67 Phenanthrene-d10	188	6.789	6.789	(1.000)	1465013	40.0000		
* 91 Chrysene-d12	240	8.383	8.383	(1.000)	1171920	40.0000		
* 98 Perylene-d12	264	9.689	9.689	(1.000)	916613	40.0000		
209 Benzaldehyde	77	3.401	3.401	(0.926)	954884	120.000		98.8
16 Acetophenone	105	3.931	3.931	(1.070)	1672663	120.000		100
189 Caprolactam	113	4.837	4.837	(1.067)	477205	120.000		112 (Q)
208 1,1'-Biphenyl	154	5.360	5.360	(0.928)	2745992	120.000		103
207 Atrazine	173	6.578	6.578	(0.969)	176331	120.000		93.8
77 Benzidine	184	7.578	7.578	(0.904)	1649137	120.000		113
90 3,3'-Dichlorobenzidine	252	8.331	8.331	(0.994)	1208496	120.000		123 (A)
102 1,4-Dioxane	88	2.025	2.025	(0.551)	483929	120.000		91.0
103 Methyl methacrylate	100	2.019	2.019	(0.550)	242149	120.000		87.4 (Q)
104 Ethyl methacrylate	69	2.390	2.390	(0.651)	1125094	120.000		95.4
105 2-Picoline	93	2.578	2.578	(0.702)	1389301	120.000		95.0
106 N-Nitrosomethylethylamine	88	2.625	2.625	(0.715)	836802	120.000		115
107 Methyl methanesulfonate	80	2.784	2.784	(0.758)	847416	120.000		110
108 N-Nitrosodiethylamine	102	3.013	3.013	(0.821)	724424	120.000		108
109 Ethyl Methanesulfonate	79	3.178	3.178	(0.865)	1164743	120.000		115
110 Pentachloroethane	167	3.496	3.496	(0.952)	441684	120.000		99.0
111 N-Nitrosopyrrolidine	100	3.931	3.931	(1.070)	632656	120.000		101 (Q)
113 N-Nitrosomorpholine	56	3.948	3.948	(1.075)	797844	120.000		93.2
114 o-Toluidine	106	3.960	3.960	(1.078)	1914253	120.000		95.1
115 N-Nitrosopiperidine	114	4.154	4.154	(0.917)	731311	120.000		108

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	----	--	-----	-----	-----	-----	-----
116 a,a-Dimethylphenethylamine	58	4.395	4.395	(0.970)	4872893	120.000	113
118 2,6-Dichlorophenol	162	4.584	4.584	(1.012)	930079	120.000	105
119 Hexachloropropene	213	4.601	4.601	(1.016)	624431	120.000	117
120 p-Phenylenediamine	108	4.825	4.825	(1.065)	1075973	120.000	98.2
121 N-Nitrosodi-n-butylamine	84	4.790	4.790	(1.057)	982752	120.000	93.4
122 Safrole	162	4.954	4.954	(1.093)	887970	120.000	101
123 1,2,4,5-Tetrachlorobenzene	216	5.148	5.148	(0.891)	1026828	120.000	110
124 Isosafrole	162	5.325	5.325	(0.922)	964507	120.000	106
125 1,4-Naphthoquinone	158	5.507	5.507	(0.953)	711287	120.000	93.2
127 Pentachlorobenzene	250	5.895	5.895	(1.020)	990992	120.000	123(A)
128 1-Naphthylamine	143	5.984	5.984	(1.036)	2093989	120.000	106
129 2-Naphthylamine	143	6.037	6.037	(1.045)	2210647	120.000	102
131 5-Nitro-o-toluidine	152	6.166	6.166	(1.067)	778858	120.000	115
136 1,3,5-Trinitrobenzene	75	6.401	6.401	(0.943)	551855	120.000	105
137 Phenacetin	108	6.442	6.442	(0.949)	1466862	120.000	112(Q)
138 Diallylate	86	6.407	6.407	(0.944)	987192	120.000	86.8
212 Cis Diallylate	86	6.466	6.466	(0.952)	255001	18.0000	17.1
213 Trans Diallylate	86	6.407	6.407	(0.944)	987192	102.000	73.8
140 4-Aminobiphenyl	169	6.654	6.654	(0.980)	2399996	120.000	106
141 Pentachloronitrobenzene	237	6.666	6.666	(0.982)	293581	120.000	110(Q)
142 Pronamide	173	6.672	6.672	(0.983)	976653	120.000	102
146 4-Nitroquinoline-1-oxide	101	7.266	7.266	(1.070)	89650	120.000	120
147 Methapyrilene	58	7.278	7.278	(1.072)	1322296	120.000	87.8
148 Isodrin	193	7.431	7.431	(1.094)	394314	120.000	107
149 Aramite	185	7.666	7.666	(1.129)	186944	120.000	114
150 Kepone	272	8.048	8.048	(1.185)	282853	120.000	124(A)
151 p-(Dimethylamino)azobenzene	120	7.784	7.784	(0.928)	975419	120.000	96.8
152 Chlorobenzilate	251	7.801	7.801	(0.931)	1187818	120.000	120(AQ)
153 3,3'-Dimethylbenzidine	212	7.978	7.978	(0.952)	2013217	120.000	116
155 2-Acetylaminofluorene	181	8.148	8.148	(0.972)	1289066	120.000	119
157 7,12Dimethylbenz(a)anthracene	256	9.254	9.254	(0.955)	1444229	120.000	111
158 3-Methylcholanthrene	268	10.030	10.030	(1.035)	1534157	120.000	115(Q)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.

Data File: /chem/MSD4.i/s010808.b/s4s0822.d

Date: 08-JAN-2008 17:26

Client ID: AP120

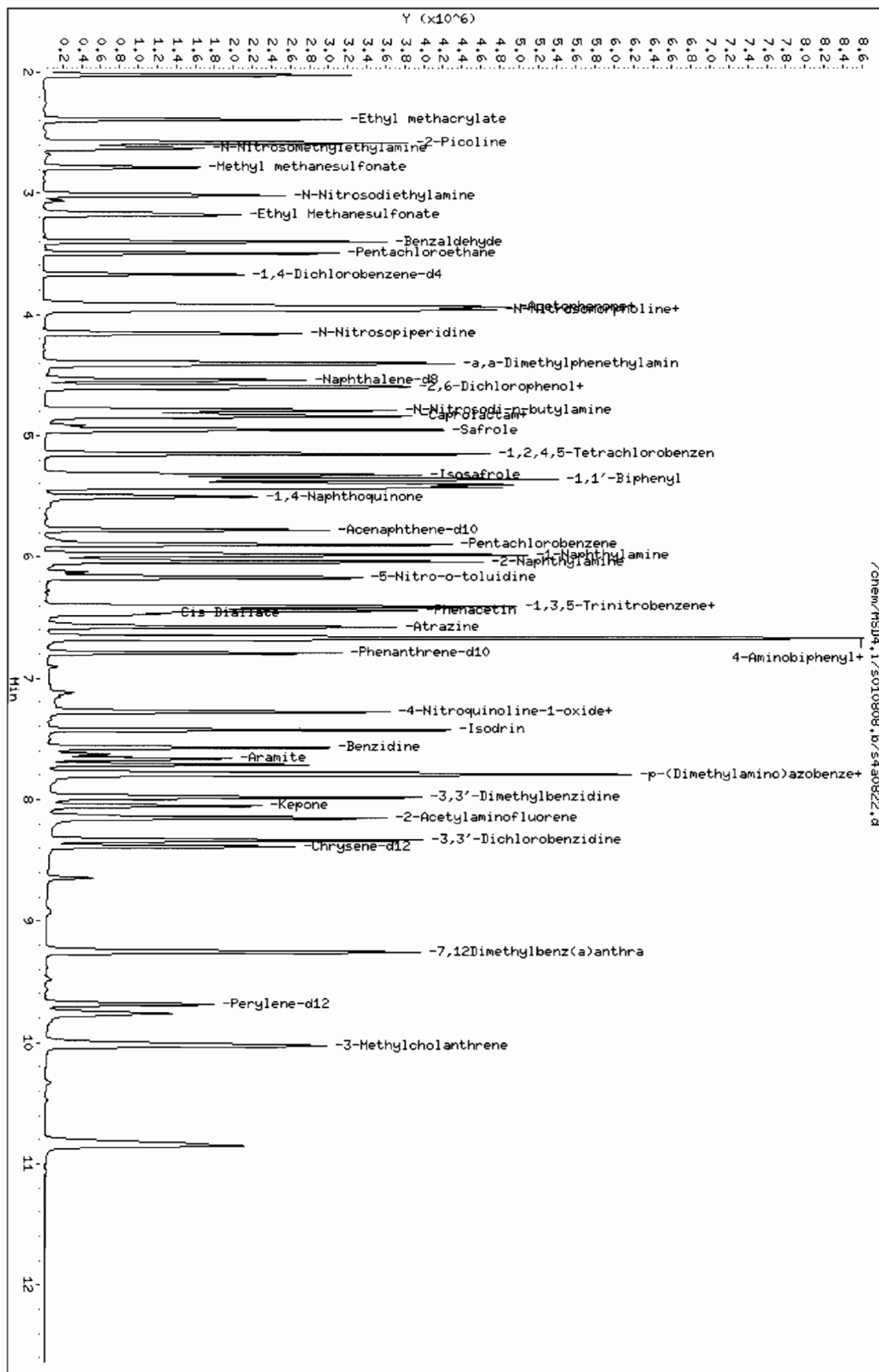
Sample Info: IUBNO71221-091120 PPH111SWF111AP120

Column phase: J&W DB-5MS

Instrument: MSD4.i

Operator: JHB3

Column diameter: 0.20



Data File: /chem/MSD4.i/s010808.b/s4a0823.d
Report Date: 21-Jan-2008 12:26

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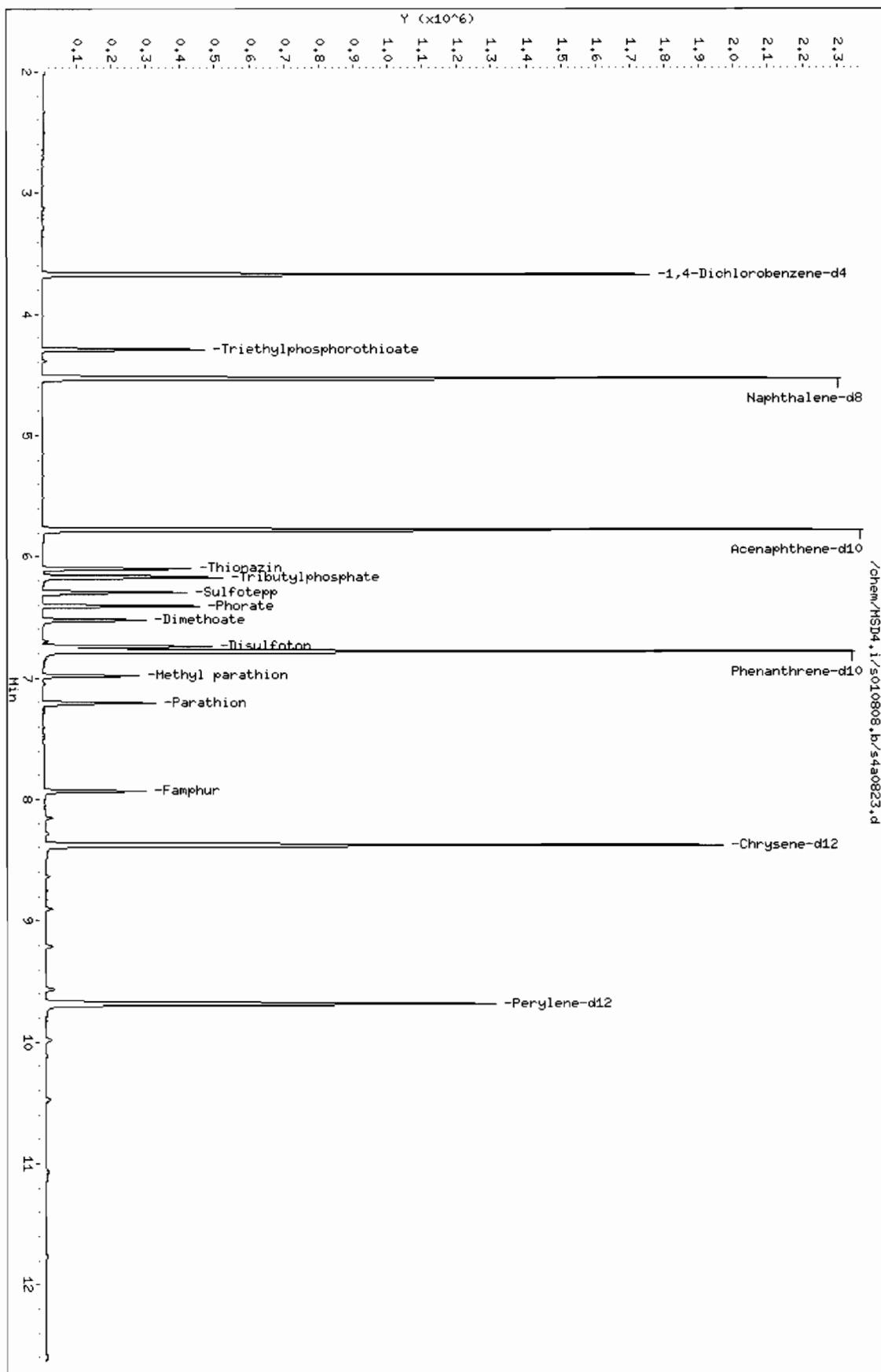
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Data file : /chem/MSD4.i/s010808.b/s4a0823.d
Lab Smp Id: WBN071221-23 Client Smp ID: PEST010
Inj Date : 08-JAN-2008 17:45
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-23|10 PPM|1|SVMF|1|PEST010
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:26 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 15:38 Cal File: s410603.d
Als bottle: 21 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PEST.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL	
=====	=====	==	=====	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	322894	40.0000		
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1243072	40.0000		
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	633799	40.0000		
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1147607	40.0000		
* 91 Chrysene-d12	240	8.384	8.384	(1.000)	867930	40.0000		
* 98 Perylene-d12	264	9.683	9.683	(1.000)	635120	40.0000		
59 Tributylphosphate	99	6.172	6.172	(1.068)	284977	10.0000	13.2	
117 Triethylphosphorothioate	198	4.296	4.296	(0.948)	52282	10.0000	12.1	
132 Thionazin	107	6.101	6.101	(1.056)	38340	10.0000	11.5	
134 Sulfotepp	322	6.301	6.301	(0.929)	32096	10.0000	12.0	
135 Phorate	75	6.413	6.413	(0.945)	146522	10.0000	11.8	
139 Dimethoate	87	6.525	6.525	(0.962)	79831	10.0000	9.6	
144 Disulfoton	88	6.742	6.742	(0.994)	127238	10.0000	11.5	
145 Methyl parathion	109	6.984	6.984	(1.029)	57260	10.0000	9.6	
154 Famphur	218	7.937	7.937	(0.947)	84647	10.0000	9.6	
191 Parathion	291	7.207	7.207	(1.062)	18877	10.0000	10.6	

Data File: /chem/HSD4.i/s010808.b/s4a0823.d
Date : 08-JAN-2008 17:45
Client ID: PEST010
Sample Info: MBNO71221-23110 PPH11SVHF11PEST010
Column phase: J&W DB-5MS

Instrument: HSD4.i
Operator: JHB3
Column diameter: 0.20



Data File: /chem/MSD4.i/s010808.b/s4a0824.d
Report Date: 21-Jan-2008 12:26

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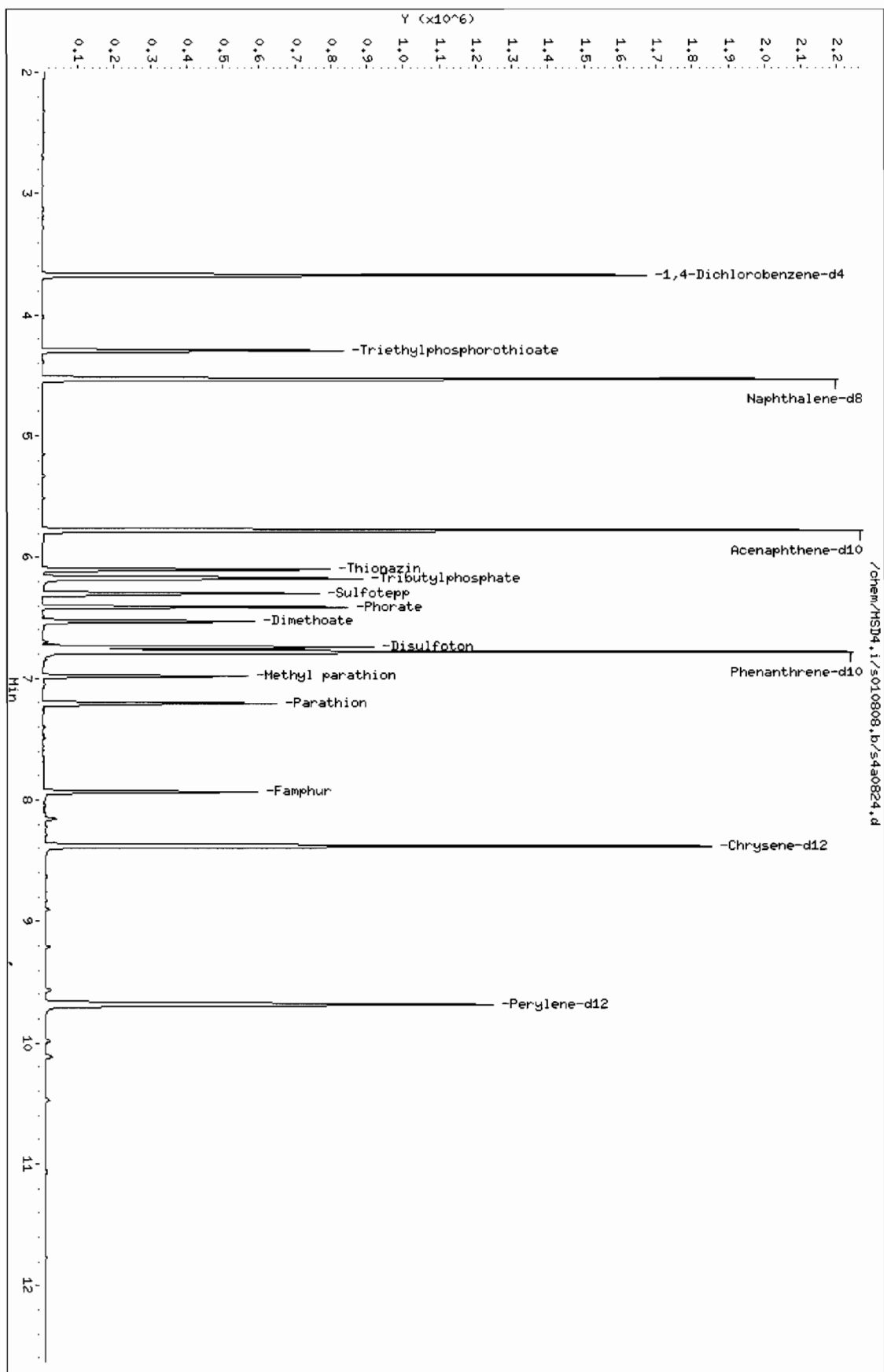
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Data file : /chem/MSD4.i/s010808.b/s4a0824.d
Lab Smp Id: WBN071221-22 Client Smp ID: PEST020
Inj Date : 08-JAN-2008 18:04
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-22|20 PPM|1|SVMF|1|PEST020
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:26 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 15:58 Cal File: s410604.d
Als bottle: 22 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PEST.sub
Target Version: 3.50
Processing Host: kilroy

						AMOUNTS	
		QUANT SIG					
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	298114	40.0000	
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1170599	40.0000	
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	600585	40.0000	
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1089704	40.0000	
* 91 Chrysene-d12	240	8.383	8.383	(1.000)	838259	40.0000	
* 98 Perylene-d12	264	9.683	9.683	(1.000)	610575	40.0000	
59 Tributylphosphate	99	6.172	6.172	(1.068)	476883	20.0000	23.1
117 Triethylphosphorothioate	198	4.296	4.296	(0.948)	91263	20.0000	22.4
132 Thionazin	107	6.101	6.101	(1.056)	71908	20.0000	22.8
134 Sulfotepp	322	6.301	6.301	(0.929)	58664	20.0000	22.5
135 Phorate	75	6.413	6.413	(0.945)	267446	20.0000	22.8
139 Dimethoate	87	6.531	6.531	(0.963)	154211	20.0000	19.9
144 Disulfoton	88	6.748	6.748	(0.995)	234710	20.0000	22.5
145 Methyl parathion	109	6.984	6.984	(1.029)	115169	20.0000	20.4
154 Famphur	218	7.936	7.936	(0.947)	167062	20.0000	19.7
191 Parathion	291	7.207	7.207	(1.062)	38007	20.0000	22.2

Data File: /chem/HSD4.i/s010808.b/s4a0824.d
 Date : 08-JAN-2008 18:04
 Client ID: PEST020
 Sample Info: IUBNO71221-22120 PPH115WHF11/PEST020
 Column phase: J&W DB-SMS

Instrument: HSD4.i
 Operator: JMB3
 Column diameter: 0.20



Data File: /chem/MSD4.i/s010808.b/s4a0825.d
Report Date: 21-Jan-2008 12:26

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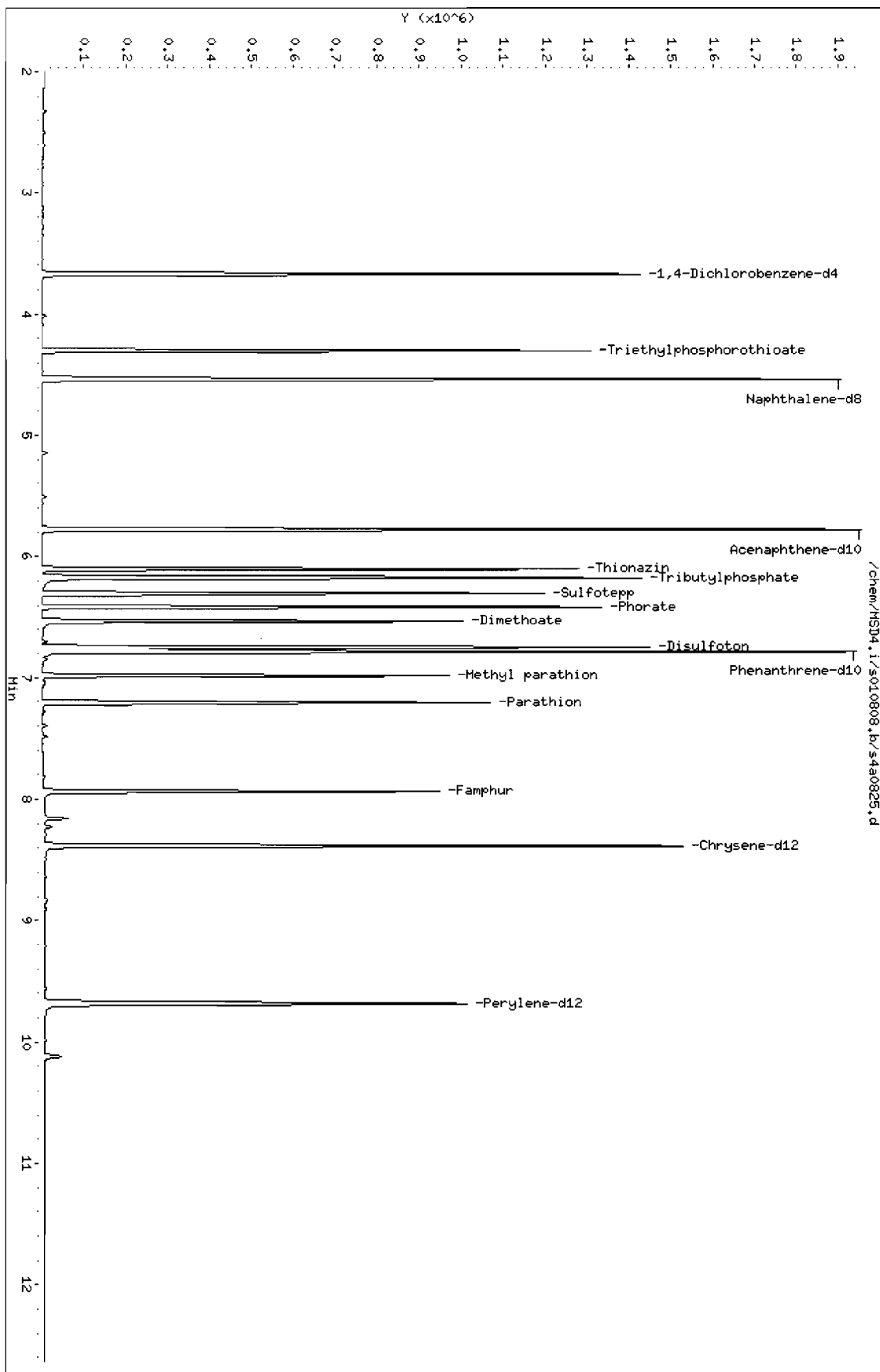
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Data file : /chem/MSD4.i/s010808.b/s4a0825.d
Lab Smp Id: WBN071221-21.1 Client Smp ID: PEST040
Inj Date : 08-JAN-2008 18:22
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-21.1|40 PPM|1|SVMF|1|PEST040
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:26 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 16:18 Cal File: s410605.d
Als bottle: 23 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PEST.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
*****	====	==	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	258805	40.0000	
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1005307	40.0000	
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	512016	40.0000	
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	912346	40.0000	
* 91 Chrysene-d12	240	8.384	8.384	(1.000)	665025	40.0000	
* 98 Perylene-d12	264	9.684	9.684	(1.000)	488618	40.0000	
59 Tributylphosphate	99	6.172	6.172	(1.068)	777626	40.0000	43.6
117 Triethylphosphorothioate	198	4.296	4.296	(0.948)	143509	40.0000	41.1
132 Thionazin	107	6.101	6.101	(1.056)	117918	40.0000	43.6
134 Sulfotepp	322	6.301	6.301	(0.929)	97713	40.0000	43.7
135 Phorate	75	6.413	6.413	(0.945)	424543	40.0000	43.2
139 Dimethoate	87	6.531	6.531	(0.963)	256600	40.0000	39.8
144 Disulfoton	88	6.748	6.748	(0.995)	374850	40.0000	42.6
145 Methyl parathion	109	6.984	6.984	(1.029)	200113	40.0000	42.4
154 Famphur	218	7.937	7.937	(0.947)	268903	40.0000	40.0
191 Parathion	291	7.207	7.207	(1.062)	64792	40.0000	44.3

Data File: /chem/HSD4.i/s010808.b/s4a0825.d
 Date : 08-JAN-2008 18:22
 Client ID: PEST040
 Sample Info: MBN071221-21.1140 PPH11SVHF11PEST040
 Column phase: J&W DB-SMS

Instrument: HSD4.i
 Operator: JHB3
 Column diameter: 0.20



Data File: /chem/MSD4.i/s010808.b/s4a0826.d
Report Date: 21-Jan-2008 12:27

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Data file : /chem/MSD4.i/s010808.b/s4a0826.d
Lab Smp Id: WBN071221-20 Client Smp ID: PEST050
Inj Date : 08-JAN-2008 18:41
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-20|50 PPM|1|SVMF|1|PEST050
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:26 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 16:44 Cal File: s410606.d
Als bottle: 24 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PEST.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
*****	****	==	*****	*****	*****	*****	*****
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	329884	40.0000	
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1299988	40.0000	
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	660952	40.0000	
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1170777	40.0000	
* 91 Chrysene-d12	240	8.395	8.395	(1.000)	886004	40.0000	
* 98 Perylene-d12	264	9.701	9.701	(1.000)	675677	40.0000	
59 Tributylphosphate	99	6.172	6.172	(1.068)	1212267	50.0000	51.7
117 Triethylphosphorothioate	198	4.296	4.296	(0.948)	226677	50.0000	50.0
132 Thionazin	107	6.101	6.101	(1.056)	190912	50.0000	54.0
134 Sulfotepp	322	6.307	6.307	(0.930)	162976	50.0000	54.9
135 Phorate	75	6.413	6.413	(0.945)	668749	50.0000	52.8
139 Dimethoate	87	6.531	6.531	(0.963)	453241	50.0000	54.4
144 Disulfoton	88	6.748	6.748	(0.995)	565260	50.0000	50.1
145 Methyl parathion	109	6.984	6.984	(1.029)	336444	50.0000	54.9
154 Famphur	218	7.942	7.942	(0.946)	461175	50.0000	51.5
191 Parathion	291	7.213	7.213	(1.063)	112292	50.0000	57.8

Data File: /chem/HSD4.i/s010808.b/s4a0826.d

Date : 08-JAN-2008 18:41

Client ID: PEST050

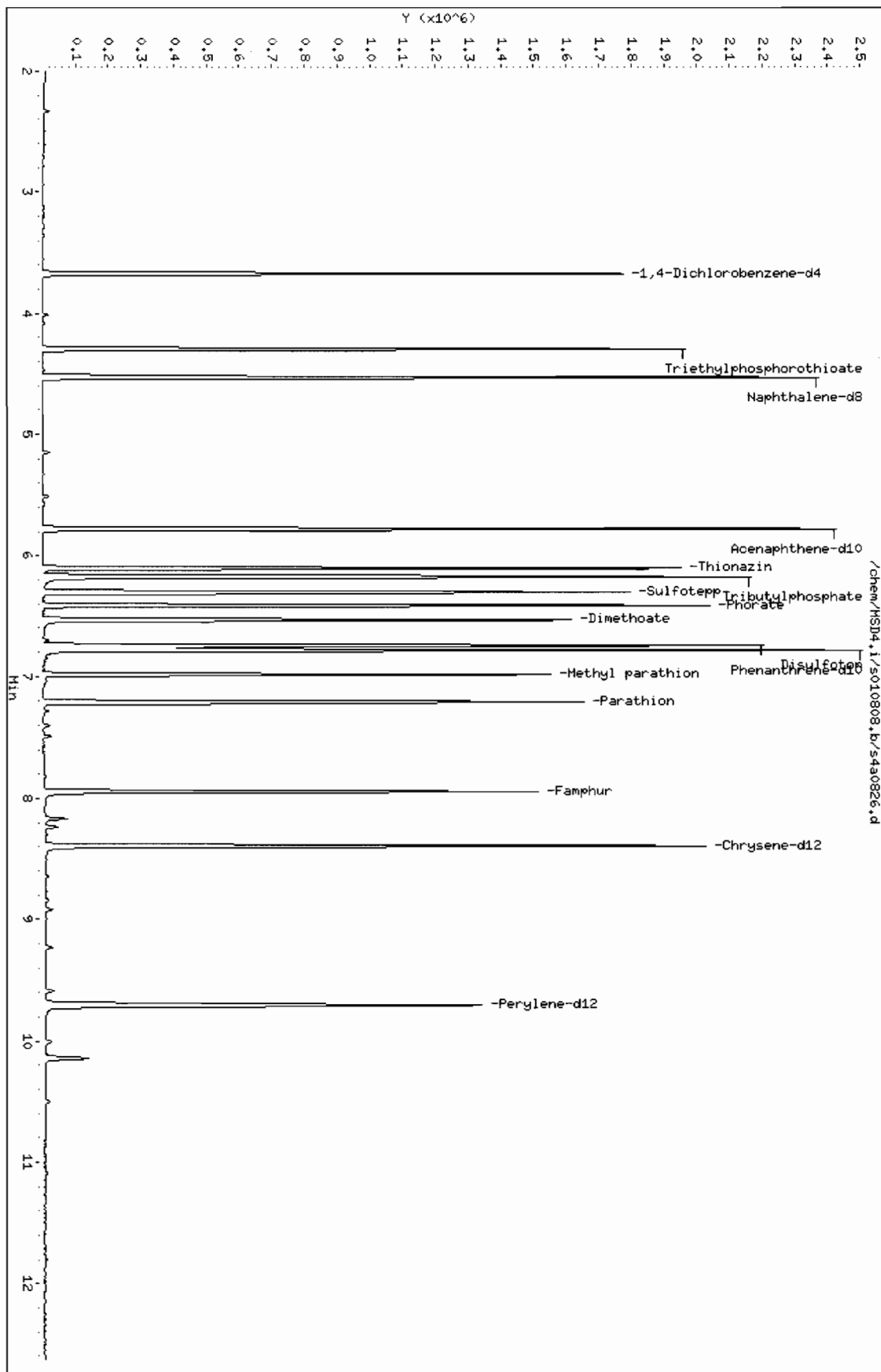
Sample Info: IIBN071221-20150 PPH11SVHF11PEST050

Column Phase: J&W DB-5MS

Instrument: HSD4.i

Operator: JMB3

Column diameter: 0.20



Data File: /chem/MSD4.i/s010808.b/s4a0827.d
Report Date: 21-Jan-2008 12:27

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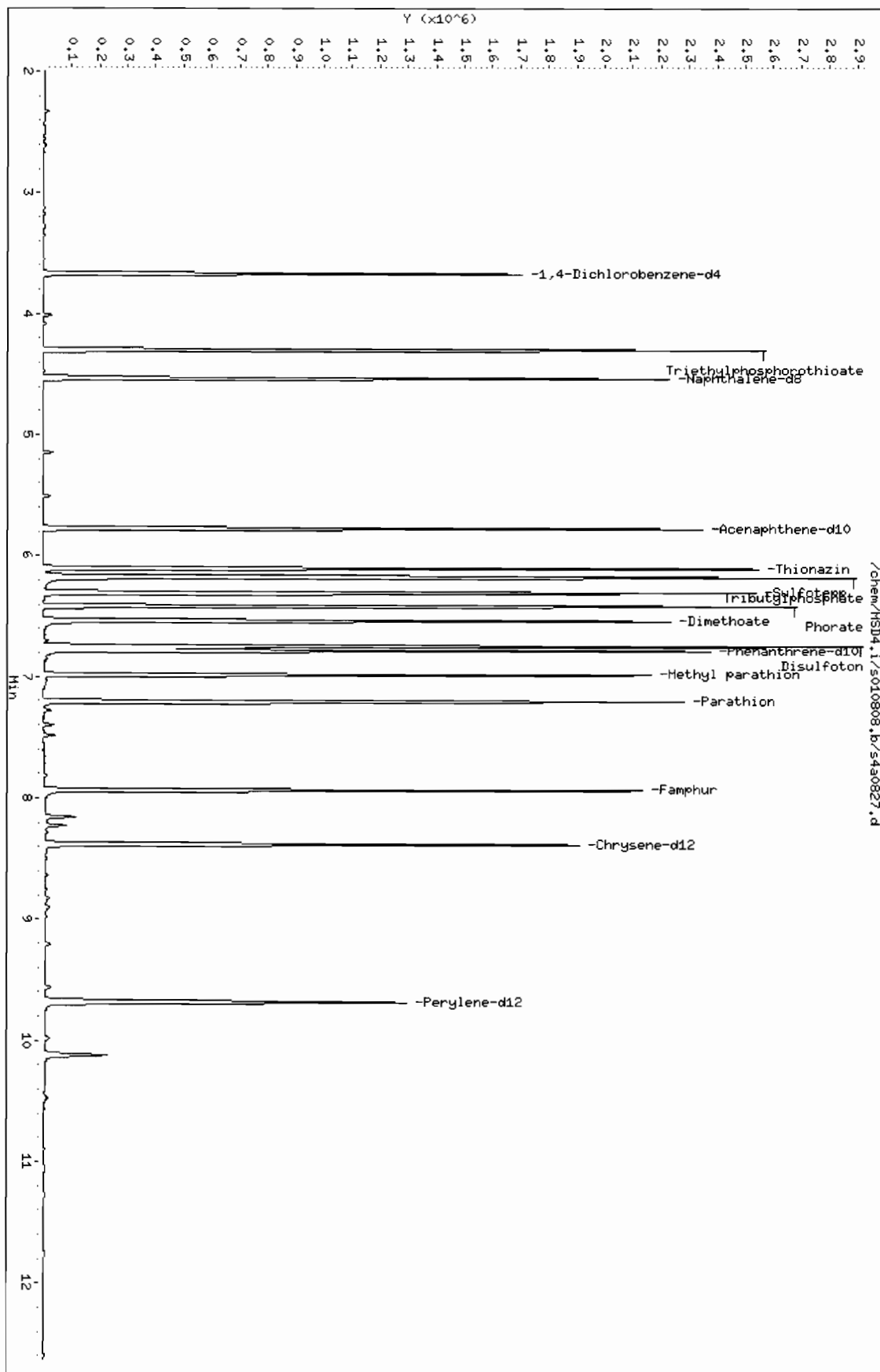
GEL Laboratories, LLC

Data file : /chem/MSD4.i/s010808.b/s4a0827.d
Lab Smp Id: WBN071221-19 Client Smp ID: PEST080
Inj Date : 08-JAN-2008 19:00
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-19|50 PPM|1|SVMF|1|PEST080
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:27 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 17:04 Cal File: s410607.d
Als bottle: 25 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PEST.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	306118	40.0000		
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1184560	40.0000		
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	624717	40.0000		
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1094963	40.0000		
* 91 Chrysene-d12	240	8.384	8.384	(1.000)	848313	40.0000		
* 98 Perylene-d12	264	9.684	9.684	(1.000)	634307	40.0000		
59 Tributylphosphate	99	6.172	6.172	(1.068)	1677399	80.0000		74.9
117 Triethylphosphorothioate	198	4.296	4.296	(0.948)	306329	80.0000		73.8
132 Thionazin	107	6.107	6.107	(1.057)	252744	80.0000		75.2
134 Sulfotepp	322	6.307	6.307	(0.930)	258680	80.0000		89.6
135 Phorate	75	6.413	6.413	(0.945)	909608	80.0000		76.2
139 Dimethoate	87	6.537	6.537	(0.964)	633288	80.0000		81.2
144 Disulfoton	88	6.748	6.748	(0.995)	749989	80.0000		70.7
145 Methyl parathion	109	6.984	6.984	(1.029)	484488	80.0000		84.0
154 Famphur	218	7.942	7.942	(0.947)	684359	80.0000		80.0
191 Parathion	291	7.213	7.213	(1.063)	169093	80.0000		90.3

Data File: /chem/HSD4.i/s010808.b/s40827.d
 Date : 08-JAN-2008 19:00
 Client ID: PEST080
 Sample Info: IABN071221-19150 PPH11SWH111PEST080
 Column phase: J&M DB-SMS

Instrument: HSD4.i
 Operator: JHB3
 Column diameter: 0.20



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Data file : /chem/MSD4.i/s010808.b/s4a0828.d
Lab Smp Id: WBN071221-18 Client Smp ID: PEST100
Inj Date : 08-JAN-2008 19:19
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-18|100 PPM|1|SVMF|1|PEST100
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:27 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 17:24 Cal File: s410608.d
Als bottle: 26 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PEST.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG	AMOUNTS					
		CAL-AMT	ON-COL				
	MASS	RT	EXP RT	REL RT	RESPONSE	(ng/ul)	(ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	268855	40.0000	
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1066682	40.0000	
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	555580	40.0000	
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	980395	40.0000	
* 91 Chrysene-d12	240	8.377	8.377	(1.000)	738048	40.0000	
* 98 Perylene-d12	264	9.677	9.677	(1.000)	550361	40.0000	
59 Tributylphosphate	99	6.172	6.172	(1.068)	1773848	100.000	88.1
117 Triethylphosphorothioate	198	4.301	4.301	(0.949)	315933	100.000	84.8
132 Thionazin	107	6.107	6.107	(1.057)	262394	100.000	87.5
134 Sulfotepp	322	6.307	6.307	(0.930)	267059	100.000	101
135 Phorate	75	6.413	6.413	(0.945)	946552	100.000	88.0
139 Dimethoate	87	6.536	6.536	(0.964)	659918	100.000	95.0
144 Disulfoton	88	6.748	6.748	(0.995)	790505	100.000	82.8
145 Methyl parathion	109	6.983	6.983	(1.029)	505959	100.000	97.3
154 Famphur	218	7.942	7.942	(0.948)	716913	100.000	97.0
191 Parathion	291	7.213	7.213	(1.063)	179427	100.000	104

Data File: /chem/HSD4.i/s010808.b/s4a0828.d

Date: 08-Jan-2008 19:19

Client ID: PEST100

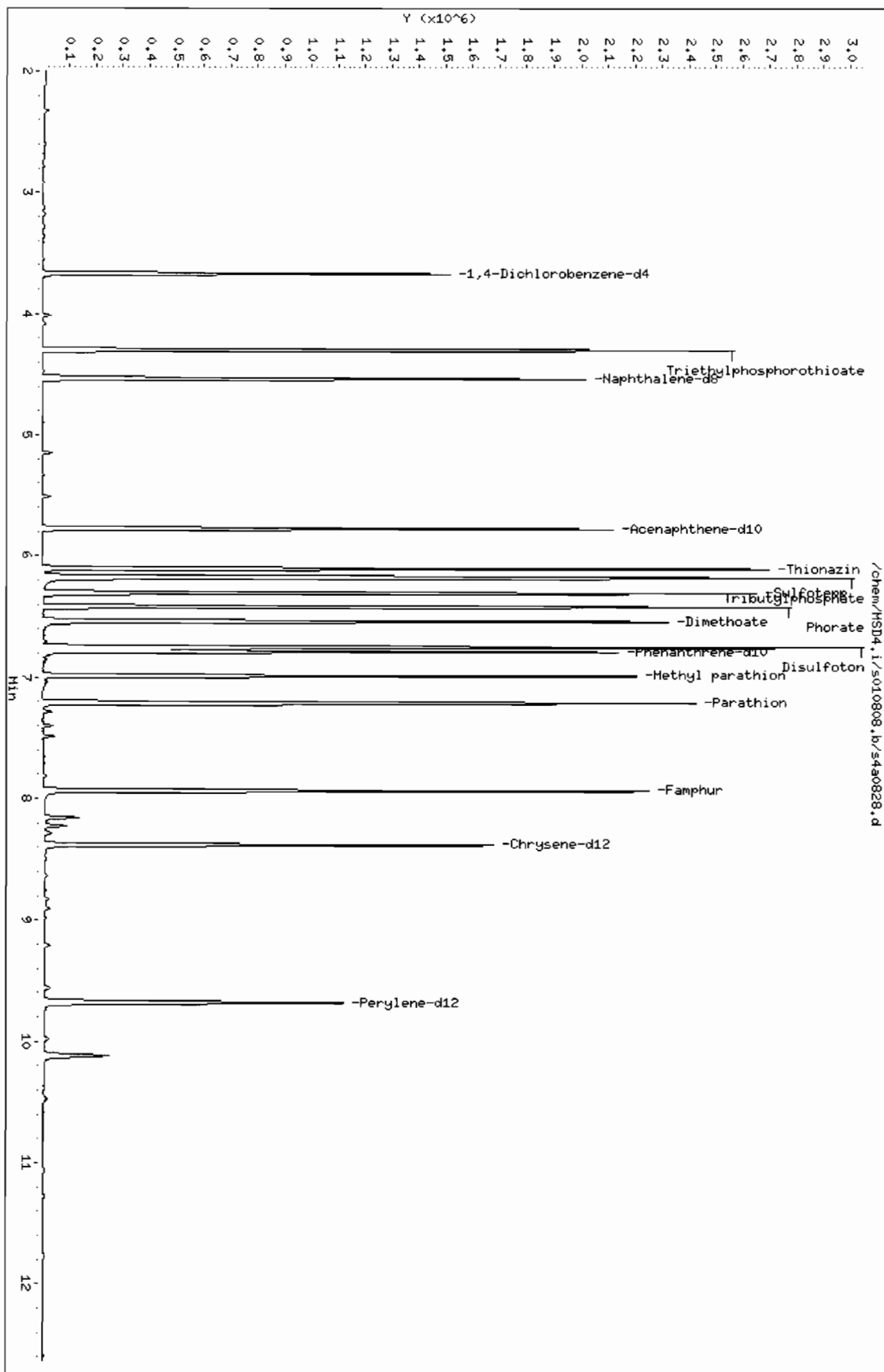
Sample Info: IMBNO71221-181100 PPH115MHF11/PEST100

Column phase: J&W DB-5MS

Instrument: HSD4.i

Operator: JHB3

Column diameter: 0.20



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Data file : /chem/MSD4.i/s010808.b/s4a0829.d
Lab Smp Id: WBN071221-17 Client Smp ID: PEST120
Inj Date : 08-JAN-2008 19:38
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-17|120 PPM|1|SVMF|1|PEST120
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:27 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 17:44 Cal File: s410609.d
Als bottle: 27 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PEST.sub
Target Version: 3.50
Processing Host: kilroy

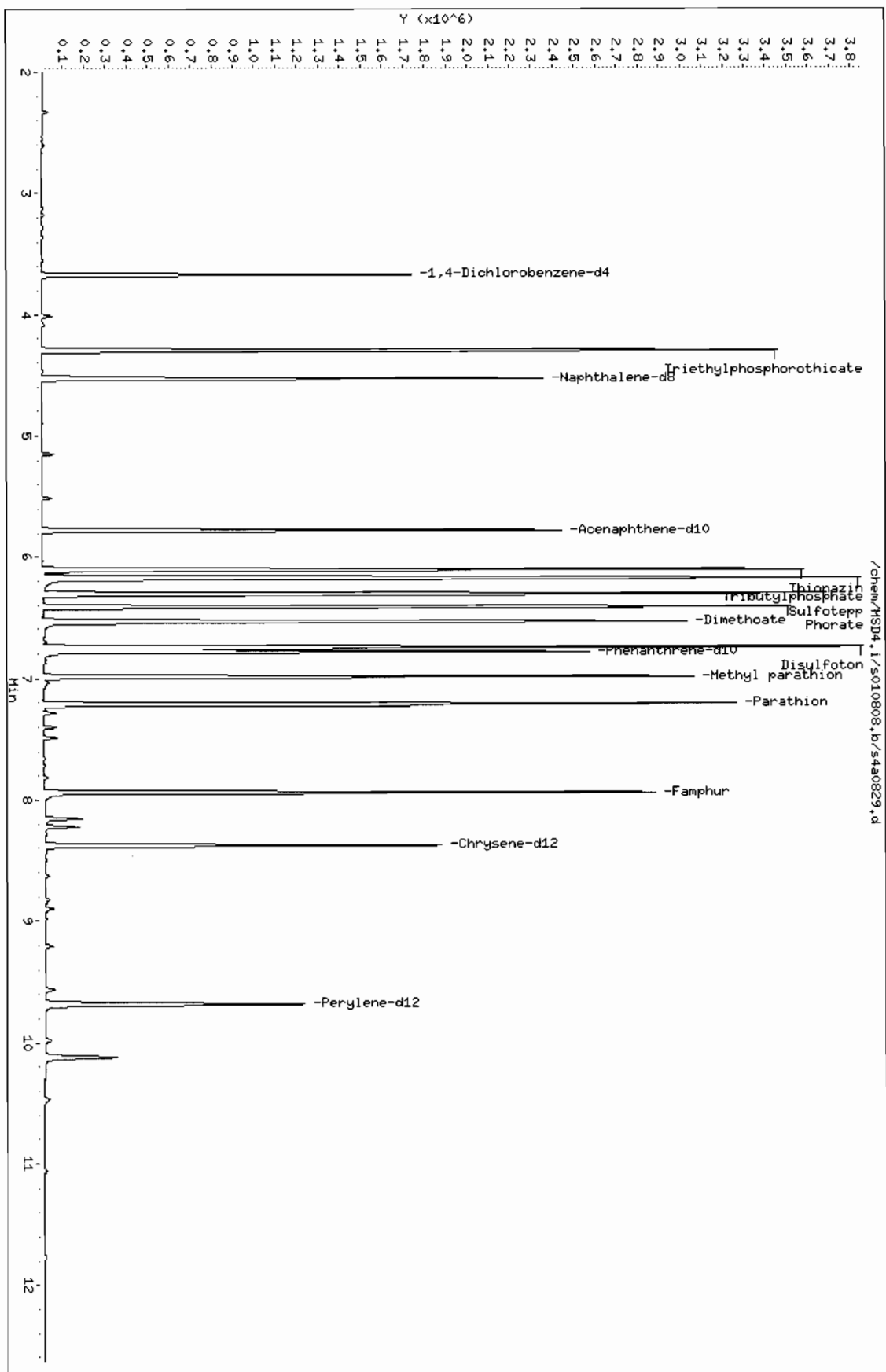
Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	320290	40.0000		
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1279557	40.0000		
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	660573	40.0000		
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1158413	40.0000		
* 91 Chrysene-d12	240	8.384	8.384	(1.000)	839632	40.0000		
* 98 Perylene-d12	264	9.678	9.678	(1.000)	611826	40.0000		
59 Tributylphosphate	99	6.178	6.178	(1.069)	2404544	120.000	99.9	
117 Triethylphosphorothioate	198	4.301	4.301	(0.949)	461325	120.000	104	
132 Thionazin	107	6.107	6.107	(1.057)	363800	120.000	102	
134 Sulfotepp	322	6.307	6.307	(0.930)	464083	120.000	140 (AQ)	
135 Phorate	75	6.419	6.419	(0.946)	1231018	120.000	96.6	
139 Dimethoate	87	6.537	6.537	(0.964)	937425	120.000	114	
144 Disulfoton	88	6.748	6.748	(0.995)	1042180	120.000	92.4	
145 Methyl parathion	109	6.990	6.990	(1.030)	693594	120.000	113	
154 Famphur	218	7.942	7.942	(0.947)	979879	120.000	117	
191 Parathion	291	7.213	7.213	(1.063)	278477	120.000	131 (AQ)	

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: /chem/HSD4.i/s010808.b/s4s0829.d
 Date : 08-JAN-2008 19:38
 Client ID: PEST120
 Sample Info: IABN071221-171120 PPH11SVHF111PEST120
 Column phase: 36M DB-SHS

Instrument: HSD4.i
 Operator: JMB3
 Column diameter: 0.20



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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSD4.i Injection Date: 08-JAN-2008 14:24
Lab File ID: s4a0812.d Init. Cal. Date(s): 04-DEC-2007 08-JAN-2008
Analysis Type: Init. Cal. Times: 13:26 13:39
Lab Sample ID: WBN080107-11.1 Quant Type: ISTD
Method: /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m

COMPOUND	RRF / AMOUNT	RF40	CCAL RRF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
3 2-Fluorophenol	1.28802	1.47584	1.47584	0.000	14.58226	60.00000	Averaged
5 Phenol-d5	1.56524	1.72974	1.72974	0.000	10.50893	60.00000	Averaged
20 Nitrobenzene-d5	0.40559	0.45928	0.45928	0.000	13.23785	60.00000	Averaged
39 2-Fluorobiphenyl	1.15812	1.24944	1.24944	0.000	7.88581	60.00000	Averaged
60 2,4,6-Tribromophenol	0.13895	0.14791	0.14791	0.000	6.44718	60.00000	Averaged
81 p-Terphenyl-d14	0.88241	0.82113	0.82113	0.000	-6.94405	60.00000	Averaged
1 N-Methyl-N-nitrosomethylami	1.01564	1.06037	1.06037	0.000	4.40451	60.00000	Averaged
2 Pyridine	1.33605	1.26672	1.26672	0.000	-5.18878	60.00000	Averaged
4 Aniline	0.69900	0.77078	0.77078	0.000	10.27003	60.00000	Averaged
6 Phenol	1.67652	1.83821	1.83821	0.001	9.64438	20.00000	Averaged ccc
7 bis(2-Chloroethyl) ether	1.29383	1.36603	1.36603	0.000	5.58044	60.00000	Averaged
8 2-Chlorophenol	1.25306	1.31888	1.31888	0.000	5.25241	60.00000	Averaged
203 n-Decane	1.53509	1.27117	1.27117	0.000	-17.19224	60.00000	Averaged
9 1,3-Dichlorobenzene	1.32970	1.47656	1.47656	0.000	11.04441	60.00000	Averaged
11 1,4-Dichlorobenzene	1.27416	1.35860	1.35860	0.001	6.62782	20.00000	Averaged ccc
13 1,2-Dichlorobenzene	1.23595	1.25243	1.25243	0.000	1.33409	60.00000	Averaged
14 bis(2-Chloroisopropyl)ether	2.62006	2.83367	2.83367	0.000	8.15302	60.00000	Averaged
12 Benzyl alcohol	0.94794	1.04802	1.04802	0.000	10.55765	60.00000	Averaged
15 o-Cresol	1.03296	1.10134	1.10134	0.000	6.61950	60.00000	Averaged
18 m,p-Cresols	1.40692	1.51959	1.51959	0.000	8.00794	60.00000	Averaged
17 N-Nitrosodipropylamine	1.06892	1.16872	1.16872	0.050	9.33604	60.00000	Averaged spcc
19 Hexachloroethane	0.58382	0.62856	0.62856	0.000	7.66348	60.00000	Averaged
21 Nitrobenzene	0.39576	0.43110	0.43110	0.000	8.93024	60.00000	Averaged
22 Isophorone	0.71565	0.83069	0.83069	0.000	16.07512	60.00000	Averaged
23 2-Nitrophenol	0.14893	0.16217	0.16217	0.001	8.89385	20.00000	Averaged ccc
24 2,4-Dimethylphenol	44.89774	40.00000	0.30839	0.000	12.24434	60.00000	Linear
25 bis(2-Chloroethoxy)methane	0.43548	0.45733	0.45733	0.000	5.01654	60.00000	Averaged
26 2,4-Dichlorophenol	0.24414	0.26989	0.26989	0.001	10.54875	20.00000	Averaged ccc
27 Benzoic acid	41.71297	40.00000	0.14223	0.000	4.28243	60.00000	Linear
28 1,2,4-Trichlorobenzene	0.26444	0.29666	0.29666	0.000	12.18467	60.00000	Averaged
30 Naphthalene	44.17275	40.00000	0.95401	0.000	10.43188	60.00000	Linear
204 alpha-Terpineol	0.26447	0.27092	0.27092	0.000	2.43851	60.00000	Averaged
31 4-Chloroaniline	0.44851	0.51073	0.51073	0.000	13.87094	60.00000	Averaged
32 Hexachlorobutadiene	0.15586	0.16103	0.16103	0.001	3.31496	20.00000	Averaged ccc
33 4-Chloro-3-methylphenol	0.29519	0.32898	0.32898	0.001	11.44541	20.00000	Averaged ccc
34 2-Methylnaphthalene	0.58112	0.62747	0.62747	0.000	7.97643	60.00000	Averaged

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSD4.i Injection Date: 08-JAN-2008 14:24
Lab File ID: s4a0812.d Init. Cal. Date(s): 04-DEC-2007 08-JAN-2008
Analysis Type: Init. Cal. Times: 13:26 13:39
Lab Sample ID: WBN080107-11.1 Quant Type: ISTD
Method: /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m

COMPOUND	RRF / AMOUNT	RF40	CCAL	MIN	MAX	CURVE TYPE
			RRF40	RRF	%D / %DRIFT	
35 1-Methylnaphthalene	0.57910	0.59053	0.59053	0.000	1.97336	Averaged
36 Hexachlorocyclopentadiene	0.13779	0.13887	0.13887	0.050	0.78603	Averaged spcc
205 2,3-Dichloroaniline	0.51989	0.55224	0.55224	0.000	6.22161	Averaged
37 2,4,6-Trichlorophenol	0.28624	0.29261	0.29261	0.001	2.22327	Averaged ccc
38 2,4,5-Trichlorophenol	0.33873	0.39545	0.39545	0.000	16.74648	Averaged
40 2-Chloronaphthalene	1.06293	1.08911	1.08911	0.000	2.46369	Averaged
42 o-Nitroaniline	0.38856	0.42911	0.42911	0.000	10.43637	Averaged
41 m-Nitroaniline	0.27867	0.32661	0.32661	0.000	17.20104	Averaged
43 Dimethylphthalate	1.24044	1.10494	1.10494	0.000	-10.92328	Averaged
44 2,6-Dinitrotoluene	0.29697	0.31648	0.31648	0.000	6.56942	Averaged
50 2,4-Dinitrotoluene	0.37967	0.40695	0.40695	0.000	7.18471	Averaged
45 Acenaphthylene	1.78819	1.81878	1.81878	0.000	1.71039	Averaged
47 Acenaphthene	43.13665	40.00000	1.02820	0.001	7.84162	Linear ccc
48 2,4-Dinitrophenol	35.74400	40.00000	0.07515	0.050	-10.64001	Linear spcc
49 Dibenzofuran	1.41725	1.48608	1.48608	0.000	4.85648	Averaged
51 Diethylphthalate	1.26369	1.14416	1.14416	0.000	-9.45828	Averaged
52 4-Nitrophenol	0.19767	0.21457	0.21457	0.050	8.54691	Averaged spcc
53 Fluorene	42.79232	40.00000	1.16046	0.000	6.98079	Linear
54 4-Chlorophenylphenylether	0.56563	0.57033	0.57033	0.000	0.82957	Averaged
55 2-Methyl-4,6-dinitrophenol	52.23706	40.00000	0.12722	0.000	30.59265	Linear
56 p-Nitroaniline	0.25253	0.26770	0.26770	0.000	6.00757	Averaged
133 Diphenylamine	0.55684	0.57931	0.57931	0.001	4.03398	Averaged ccc
58 1,2-Diphenylhydrazine	0.83269	0.89266	0.89266	0.000	7.20246	Averaged
61 4-Bromophenylphenylether	0.17750	0.17720	0.17720	0.000	-0.16829	Averaged
63 Hexachlorobenzene	0.19494	0.19559	0.19559	0.000	0.33620	Averaged
65 Pentachlorophenol	0.06191	0.06165	0.06165	0.001	-0.42818	Averaged ccc
206 n-Octadecane	0.46487	0.49854	0.49854	0.000	7.24137	Averaged
68 Phenanthrene	0.97506	0.87778	0.87778	0.000	-9.97701	Averaged
69 Anthracene	0.95967	0.97818	0.97818	0.000	1.92902	Averaged
72 Di-n-butylphthalate	1.13667	1.01586	1.01586	0.000	-10.62824	Averaged
76 Fluoranthene	0.93842	0.93960	0.93960	0.001	0.12555	Averaged ccc
79 Pyrene	1.36995	1.30787	1.30787	0.000	-4.53122	Averaged
85 Butylbenzylphthalate	0.63031	0.59403	0.59403	0.000	-5.75461	Averaged
89 Benzo(a)anthracene	1.19973	1.13393	1.13393	0.000	-5.48453	Averaged
92 Chrysene	1.16032	1.09244	1.09244	0.000	-5.85010	Averaged
93 bis(2-Ethylhexyl)phthalate	38.29200	40.00000	0.82447	0.000	-4.26999	Linear

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSD4.i Injection Date: 08-JAN-2008 14:24
Lab File ID: s4a0812.d Init. Cal. Date(s): 04-DEC-2007 08-JAN-2008
Analysis Type: Init. Cal. Times: 13:26 13:39
Lab Sample ID: WBN080107-11.1 Quant Type: ISTD
Method: /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m

COMPOUND	RRF / AMOUNT	RF40	CCAL RRF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Di-n-octylphthalate	1.71815	1.52365	1.52365	0.001	-11.31989	20.00000	Averaged ccc
95 Benzo(b)fluoranthene	1.35861	1.27376	1.27376	0.000	-6.24552	60.00000	Averaged
96 Benzo(k)fluoranthene	1.28225	1.35782	1.35782	0.000	5.89367	60.00000	Averaged
97 Benzo(a)pyrene	1.11877	1.14871	1.14871	0.001	2.67584	20.00000	Averaged ccc
99 Indeno(1,2,3-cd)pyrene	40.33524	40.00000	1.04053	0.000	0.83811	60.00000	Linear
100 Dibenzo(a,h)anthracene	39.99520	40.00000	0.85141	0.000	-0.01200	60.00000	Linear
101 Benzo(ghi)perylene	39.88092	40.00000	0.88269	0.000	-0.29771	60.00000	Linear
126 m-Dinitrobenzene	0.23090	0.25203	0.25203	0.000	9.15121	60.00000	Averaged
130 2,3,4,6-Tetrachlorophenol	0.26802	0.24529	0.24529	0.000	-8.48008	60.00000	Averaged
143 Dinoseb	42.75939	40.00000	0.14034	0.000	6.89846	60.00000	Linear
173 Carbazole	0.76957	0.83460	0.83460	0.000	8.44985	60.00000	Averaged
184 p-Benzoquinone	0.09496	0.04538	0.04538	0.000	-52.21322	60.00000	Averaged
192 Methoxychlor	0.63973	0.69220	0.69220	0.000	8.20304	60.00000	Averaged
211 p-Toluidine	1.35668	1.45646	1.45646	0.000	7.35503	60.00000	Averaged
210 m-Toluidine	1.73481	2.17926	2.17926	0.000	25.61971	60.00000	Averaged
M 222 Trichlorophenols	0.31248	0.34403	0.34403	0.000	10.09468	60.00000	Averaged
M 223 Tetrachlorophenols	0.26802	0.24529	0.24529	0.000	-8.48008	60.00000	Averaged
M 224 Benzo(b,k)fluoranthene	1.32043	1.31579	1.31579	0.000	-0.35143	60.00000	Averaged

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Data file : /chem/MSD4.i/s010808.b/s4a0812.d
Lab Smp Id: WBN080107-11.1 Client Smp ID: MEGAICV
Inj Date : 08-JAN-2008 14:24
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN080107-11.1|40 PPM|1|SVMF|1|MEGAICV
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:23 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 17:44 Cal File: s410609.d
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: MEGAI1.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ng/ul)	(ng/ul)
*****	====	==	=====	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4		152	3.672	3.672	(1.000)	367965	40.0000	
* 29 Naphthalene-d8		136	4.531	4.531	(1.000)	1450028	40.0000	
* 46 Acenaphthene-d10		164	5.778	5.778	(1.000)	776346	40.0000	
* 67 Phenanthrene-d10		188	6.784	6.784	(1.000)	1330902	40.0000	
* 91 Chrysene-d12		240	8.383	8.383	(1.000)	958827	40.0000	
* 98 Perylene-d12		264	9.683	9.683	(1.000)	799949	40.0000	
\$ 3 2-Fluorophenol		112	2.866	2.866	(0.781)	543059	40.0000	45.8
\$ 5 Phenol-d5		99	3.396	3.396	(0.925)	636482	40.0000	44.2
\$ 20 Nitrobenzene-d5		82	4.037	4.037	(0.891)	665967	40.0000	45.3
\$ 39 2-Fluorobiphenyl		172	5.278	5.278	(0.913)	970000	40.0000	43.2
\$ 60 2,4,6-Tribromophenol		329	6.325	6.325	(1.095)	114826	40.0000	42.6
\$ 81 p-Terphenyl-d14		244	7.701	7.701	(0.919)	787323	40.0000	37.2
1 N-Methyl-N-nitrosomethylamine		74	2.172	2.172	(0.592)	390179	40.0000	41.8
2 Pyridine		79	2.207	2.207	(0.601)	466109	40.0000	37.9
4 Aniline		66	3.460	3.460	(0.942)	283621	40.0000	44.1
6 Phenol		94	3.407	3.407	(0.928)	676397	40.0000	43.8
7 bis(2-Chloroethyl) ether		63	3.478	3.478	(0.947)	502651	40.0000	42.2
8 2-Chlorophenol		128	3.537	3.537	(0.963)	485302	40.0000	42.1
203 n-Decane		43	3.525	3.525	(0.960)	467747	40.0000	33.1
9 1,3-Dichlorobenzene		146	3.637	3.637	(0.990)	543323	40.0000	44.4
11 1,4-Dichlorobenzene		146	3.684	3.684	(1.003)	499919	40.0000	42.6
13 1,2-Dichlorobenzene		146	3.784	3.784	(1.030)	460852	40.0000	40.5
14 bis(2-Chloroisopropyl) ether		45	3.819	3.819	(1.040)	1042692	40.0000	43.3
12 Benzyl alcohol		108	3.743	3.743	(1.019)	385635	40.0000	44.2
15 o-Cresol		107	3.796	3.796	(1.034)	405254	40.0000	42.6
18 m,p-Cresols		107	3.901	3.901	(1.062)	559156	40.0000	43.2

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
17 N-Nitrosodipropylamine	70	3.919	3.919	(1.067)	430048	40.0000	43.7
19 Hexachloroethane	117	4.013	4.013	(1.093)	231287	40.0000	43.1
21 Nitrobenzene	77	4.048	4.048	(0.894)	625113	40.0000	43.6
22 Isophorone	82	4.201	4.201	(0.927)	1204531	40.0000	46.4
23 2-Nitrophenol	139	4.260	4.260	(0.940)	235155	40.0000	43.6
24 2,4-Dimethylphenol	122	4.260	4.260	(0.940)	447175	40.0000	44.9
25 bis(2-Chloroethoxy)methane	93	4.325	4.325	(0.955)	663142	40.0000	42.0
26 2,4-Dichlorophenol	162	4.425	4.425	(0.977)	391352	40.0000	44.2
27 Benzoic acid	105	4.337	4.337	(0.957)	206243	40.0000	41.7
28 1,2,4-Trichlorobenzene	180	4.484	4.484	(0.990)	430165	40.0000	44.9
30 Naphthalene	128	4.548	4.548	(1.004)	1383334	40.0000	44.2 (Q)
204 alpha-Terpineol	59	4.531	4.531	(1.000)	392842	40.0000	41.0
31 4-Chloroaniline	127	4.566	4.566	(1.008)	740568	40.0000	45.5
32 Hexachlorobutadiene	225	4.613	4.613	(1.018)	233492	40.0000	41.3
33 4-Chloro-3-methylphenol	107	4.884	4.884	(1.078)	477024	40.0000	44.6
34 2-Methylnaphthalene	142	5.031	5.031	(1.110)	909855	40.0000	43.2
35 1-Methylnaphthalene	142	5.101	5.101	(1.126)	856278	40.0000	40.8
36 Hexachlorocyclopentadiene	237	5.131	5.131	(0.888)	107814	40.0000	40.3
205 2,3-Dichloroaniline	161	5.225	5.225	(0.904)	428726	40.0000	42.5
37 2,4,6-Trichlorophenol	196	5.219	5.219	(0.903)	227164	40.0000	40.9
38 2,4,5-Trichlorophenol	196	5.248	5.248	(0.908)	307006	40.0000	46.7
40 2-Chloronaphthalene	162	5.378	5.378	(0.931)	845530	40.0000	41.0
42 o-Nitroaniline	65	5.442	5.442	(0.942)	333141	40.0000	44.2
41 m-Nitroaniline	138	5.737	5.737	(0.993)	253559	40.0000	46.9
43 Dimethylphthalate	163	5.560	5.560	(0.962)	857815	40.0000	35.6
44 2,6-Dinitrotoluene	165	5.607	5.607	(0.970)	245697	40.0000	42.6
50 2,4-Dinitrotoluene	165	5.901	5.901	(1.021)	315936	40.0000	42.9
45 Acenaphthylene	152	5.684	5.684	(0.984)	1411999	40.0000	40.7
47 Acenaphthene	154	5.807	5.807	(1.005)	798242	40.0000	43.1
48 2,4-Dinitrophenol	184	5.813	5.813	(1.006)	58341	40.0000	35.7
49 Dibenzofuran	168	5.925	5.925	(1.025)	1153713	40.0000	41.9
51 Diethylphthalate	149	6.048	6.048	(1.047)	888266	40.0000	36.2
52 4-Nitrophenol	139	5.837	5.837	(1.010)	166577	40.0000	43.4
53 Fluorene	166	6.166	6.166	(1.067)	900915	40.0000	42.8
54 4-Chlorophenylphenylether	204	6.148	6.148	(1.064)	442770	40.0000	40.3
55 2-Methyl-4,6-dinitrophenol	198	6.189	6.189	(0.912)	169321	40.0000	52.2
56 p-Nitroaniline	138	6.172	6.172	(1.068)	207825	40.0000	42.4
133 Diphenylamine	169	6.225	6.225	(0.918)	771000	40.0000	41.6
58 1,2-Diphenylhydrazine	77	6.254	6.254	(0.922)	1188043	40.0000	42.9
61 4-Bromophenylphenylether	248	6.478	6.478	(0.955)	235842	40.0000	39.9
63 Hexachlorobenzene	284	6.531	6.531	(0.963)	260315	40.0000	40.1
65 Pentachlorophenol	266	6.654	6.654	(0.981)	82048	40.0000	39.8
206 n-Octadecane	57	6.648	6.648	(0.980)	663505	40.0000	42.9
68 Phenanthrene	178	6.801	6.801	(1.003)	1168241	40.0000	36.0
69 Anthracene	178	6.831	6.831	(1.007)	1301861	40.0000	40.8
72 Di-n-butylphthalate	149	7.089	7.089	(1.045)	1352012	40.0000	35.7
76 Fluoranthene	202	7.513	7.513	(1.108)	1250516	40.0000	40.0

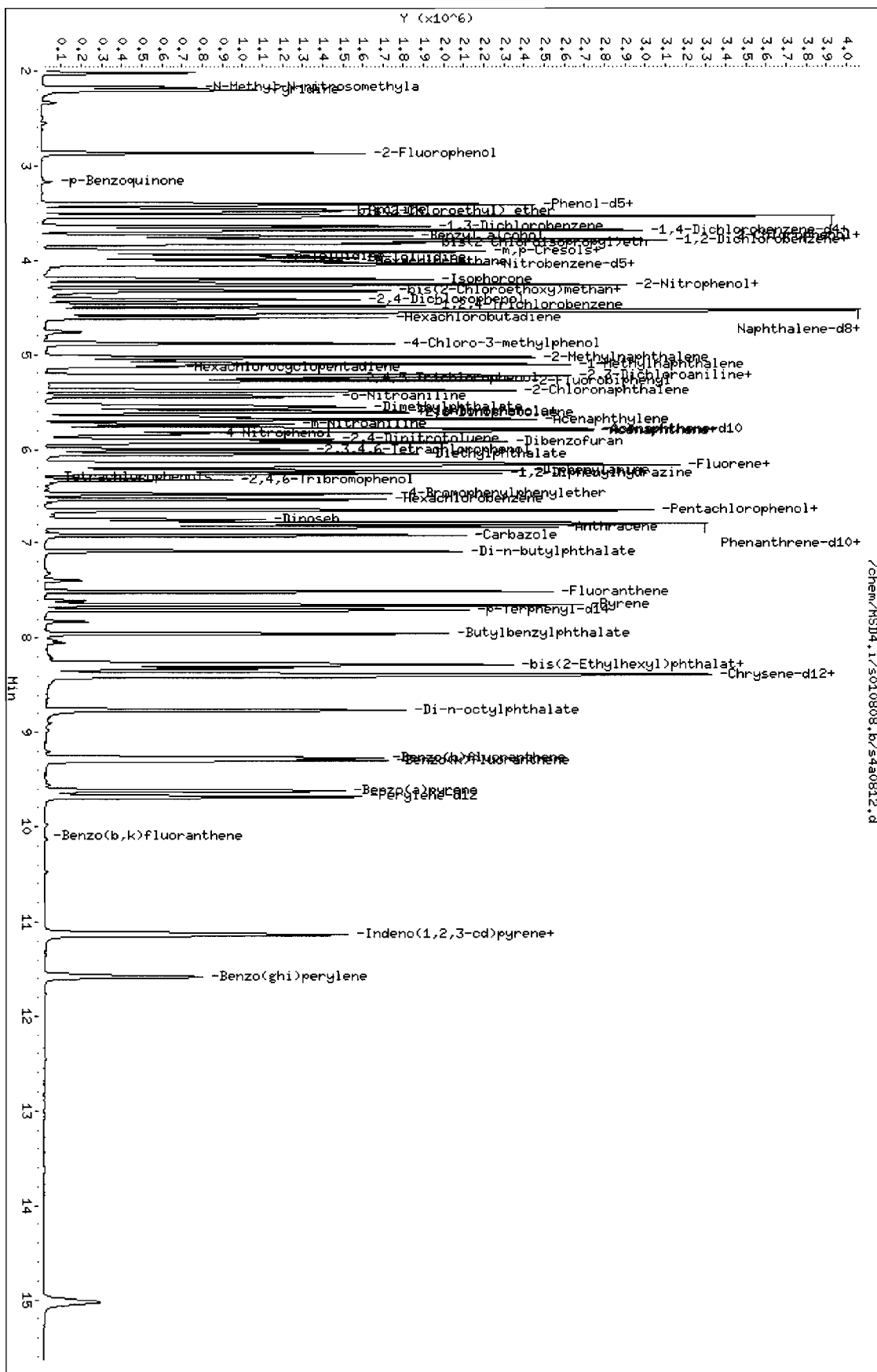
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	====	==	=====	=====	=====	=====	=====
79 Pyrene	202	7.648	7.648	(0.912)	1254024	40.0000	38.2
85 Butylbenzylphthalate	149	7.954	7.954	(0.949)	569576	40.0000	37.7
89 Benzo(a)anthracene	228	8.372	8.372	(0.999)	1087245	40.0000	37.8
92 Chrysene	228	8.401	8.401	(1.002)	1047462	40.0000	37.6
93 bis(2-Ethylhexyl)phthalate	149	8.283	8.283	(0.988)	790527	40.0000	38.3
94 Di-n-octylphthalate	149	8.760	8.760	(0.905)	1218846	40.0000	35.5
95 Benzo(b)fluoranthene	252	9.272	9.272	(0.957)	1018940	40.0000	37.5
96 Benzo(k)fluoranthene	252	9.301	9.301	(0.960)	1086186	40.0000	42.4
97 Benzo(a)pyrene	252	9.625	9.625	(0.994)	918908	40.0000	41.1
99 Indeno(1,2,3-cd)pyrene	276	11.136	11.136	(1.150)	832373	40.0000	40.3
100 Dibenzo(a,h)anthracene	278	11.136	11.136	(1.150)	681086	40.0000	40.0
101 Benzo(ghi)perylene	276	11.583	11.583	(1.196)	706106	40.0000	39.9(Q)
126 m-Dinitrobenzene	168	5.595	5.595	(0.968)	195664	40.0000	43.7
130 2,3,4,6-Tetrachlorophenol	232	6.001	6.001	(1.039)	190428	40.0000	36.6
143 Dinoseb	211	6.748	6.748	(0.995)	186773	40.0000	42.8
173 Carbazole	167	6.919	6.919	(1.020)	1110768	40.0000	43.4
184 p-Benzoquinone	54	3.166	3.166	(0.862)	16698	40.0000	19.1
192 Methoxychlor	227	8.266	8.266	(0.986)	663704	40.0000	43.3
211 p-Toluidine	106	3.954	3.954	(1.077)	535928	40.0000	42.9
210 m-Toluidine	106	3.972	3.972	(1.082)	801893	40.0000	50.2
M 222 Trichlorophenols	196				534170	80.0000	87.6
M 223 Tetrachlorophenols	232				190428	40.0000	36.6
M 224 Benzo(b,k)fluoranthene	252				2105126	80.0000	79.8

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/HSD4.i/s010808.b/s4a0812.d
 Date : 08-JAN-2008 14:24
 Client ID: MEGAICV
 Sample Info: IUBN080107-11.1140 PPH111SVHF11.MEGAICV
 Column phase: J&M DB-SMS

Instrument: HSD4.i
 Operator: JMB3
 Column diameter: 0.20



GEL Laboratories LLC

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSD4.i Injection Date: 08-JAN-2008 21:52
Lab File ID: s4a0836.d Init. Cal. Date(s): 04-DEC-2007 08-JAN-2008
Analysis Type: Init. Cal. Times: 13:26 21:33
Lab Sample ID: WBN071221-25.i Quant Type: ISTD
Method: /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m

COMPOUND	RRF / AMOUNT	RF40	CCAL RRF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
209 Benzaldehyde	1.01520	1.10256	1.10256	0.000	8.60480	60.00000	Averaged
16 Acetophenone	1.75170	1.71057	1.71057	0.000	-2.34832	60.00000	Averaged
189 Caprolactam	0.10948	0.11683	0.11683	0.000	6.71262	60.00000	Averaged
208 1,1'-Biphenyl	1.34633	1.36818	1.36818	0.000	1.62306	60.00000	Averaged
207 Atrazine	0.05130	0.05426	0.05426	0.000	5.77462	60.00000	Averaged
77 Benzidine	0.49684	0.44346	0.44346	0.000	-10.74435	60.00000	Averaged
90 3,3'-Dichlorobenzidine	0.33633	0.35075	0.35075	0.000	4.28695	60.00000	Averaged
102 1,4-Dioxane	0.55860	0.58711	0.58711	0.000	5.10246	60.00000	Averaged
103 Methyl methacrylate	0.29103	0.31233	0.31233	0.000	7.31994	60.00000	Averaged
104 Ethyl methacrylate	1.23938	1.30801	1.30801	0.000	5.53795	60.00000	Averaged
105 2-Picoline	1.53612	1.62506	1.62506	0.000	5.78984	60.00000	Averaged
106 N-Nitrosomethylethylamine	0.76216	0.75828	0.75828	0.000	-0.50878	60.00000	Averaged
107 Methyl methanesulfonate	0.80522	0.74544	0.74544	0.000	-7.42445	60.00000	Averaged
108 N-Nitrosodiethylamine	0.70186	0.72361	0.72361	0.000	3.09888	60.00000	Averaged
109 Ethyl Methanesulfonate	1.06546	1.08890	1.08890	0.000	2.19940	60.00000	Averaged
110 Pentachloroethane	0.46889	0.49697	0.49697	0.000	5.98859	60.00000	Averaged
111 N-Nitrosopyrrolidine	0.65997	0.72382	0.72382	0.000	9.67455	60.00000	Averaged
113 N-Nitrosomorpholine	0.89921	0.99129	0.99129	0.000	10.24050	60.00000	Averaged
114 o-Toluidine	2.11396	2.25565	2.25565	0.000	6.70260	60.00000	Averaged
115 N-Nitrosopiperidine	0.17364	0.18199	0.18199	0.000	4.80972	60.00000	Averaged
116 a,a-Dimethylphenethylamine	1.10215	1.12906	1.12906	0.000	2.44195	60.00000	Averaged
118 2,6-Dichlorophenol	0.22593	0.23498	0.23498	0.000	4.00430	60.00000	Averaged
119 Hexachloropropene	0.13673	0.15453	0.15453	0.000	13.01839	60.00000	Averaged
120 p-Phenylenediamine	0.28074	0.31054	0.31054	0.000	10.61196	60.00000	Averaged
121 N-Nitrosodi-n-butylamine	0.26959	0.27741	0.27741	0.000	2.90217	60.00000	Averaged
122 Safrole	0.22459	0.23250	0.23250	0.000	3.52007	60.00000	Averaged
123 1,2,4,5-Tetrachlorobenzene	0.47150	0.47021	0.47021	0.000	-0.27305	60.00000	Averaged
124 Isosafrole	0.45977	0.51326	0.51326	0.000	11.63198	60.00000	Averaged
125 1,4-Naphthoquinone	0.38534	0.44684	0.44684	0.000	15.95947	60.00000	Averaged
127 Pentachlorobenzene	0.40702	0.39815	0.39815	0.000	-2.17983	60.00000	Averaged
128 1-Naphthylamine	0.99747	1.06661	1.06661	0.000	6.93167	60.00000	Averaged
129 2-Naphthylamine	1.09149	1.19869	1.19869	0.000	9.82135	60.00000	Averaged
131 5-Nitro-o-toluidine	0.34158	0.36148	0.36148	0.000	5.82558	60.00000	Averaged
136 1,3,5-Trinitrobenzene	59.18915	40.00000	0.21897	0.000	47.97288	60.00000	Linear
137 Phenacetin	0.35584	0.38582	0.38582	0.000	8.42425	60.00000	Averaged
138 Diallate	0.31065	0.33639	0.33639	0.000	8.28514	60.00000	Averaged

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSD4.i Injection Date: 08-JAN-2008 21:52
 Lab File ID: s4a0836.d Init. Cal. Date(s): 04-DEC-2007 08-JAN-2008
 Analysis Type: Init. Cal. Times: 13:26 21:33
 Lab Sample ID: WBN071221-25.1 Quant Type: ISTD
 Method: /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m

COMPOUND	RRF / AMOUNT	RF40	CCAL RRF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
212 Cis Diallate	0.40626	0.41787	0.41787	0.000	2.85736	60.00000	Averaged
213 Trans Diallate	0.36542	0.39576	0.39576	0.000	8.30149	60.00000	Averaged
140 4-Aminobiphenyl	0.61971	0.67058	0.67058	0.000	8.20990	60.00000	Averaged
141 Pentachloronitrobenzene	0.07269	0.07177	0.07177	0.000	-1.27094	60.00000	Averaged
142 Pronamide	0.26057	0.26308	0.26308	0.000	0.96327	60.00000	Averaged
146 4-Nitroquinoline-1-oxide	0.02044	0.01515	0.01515	0.000	-25.88617	60.00000	Averaged
147 Methapyrilene	0.41135	0.59316	0.59316	0.000	44.19978	60.00000	Averaged
148 Isodrin	0.10092	0.09722	0.09722	0.000	-3.66950	60.00000	Averaged
149 Aramite	0.04456	0.05137	0.05137	0.000	15.28994	60.00000	Averaged
150 Kepone	0.06247	0.06177	0.06177	0.000	-1.11434	60.00000	Averaged
151 p-(Dimethylamino)azobenzene	0.34396	0.38524	0.38524	0.000	12.00109	60.00000	Averaged
152 Chlorobenzilate	0.33683	0.34211	0.34211	0.000	1.56805	60.00000	Averaged
153 3,3'-Dimethylbenzidine	0.59433	0.61016	0.61016	0.000	2.66237	60.00000	Averaged
155 2-Acetylaminofluorene	43.09352	40.00000	0.39413	0.000	7.73380	60.00000	Linear
157 7,12Dimethylbenz(a)anthrace	0.56621	0.58203	0.58203	0.000	2.79390	60.00000	Averaged
158 3-Methylcholanthrene	0.58362	0.56350	0.56350	0.000	-3.44805	60.00000	Averaged

Data File: /chem/MSD4.i/s010808.b/s4a0836.d
 Report Date: 21-Jan-2008 12:29

Page 1

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Data file : /chem/MSD4.i/s010808.b/s4a0836.d
 Lab Smp Id: WBN071221-25.1 Client Smp ID: APICV
 Inj Date : 08-JAN-2008 21:52
 Operator : JMB3 Inst ID: MSD4.i
 Smp Info : |WBN071221-25.1|40 PPM|1|SVMF|1|APICV
 Misc Info : |MSD8270_LF|WBN080102-01|
 Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
 Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
 Meth Date : 21-Jan-2008 12:29 jos00786 Quant Type: ISTD
 Cal Date : 06-DEC-2007 17:24 Cal File: s410608.d
 Als bottle: 34 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: AP12.sub
 Target Version: 3.50
 Processing Host: kilroy

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	332039	40.0000	
* 29 Naphthalene-d8	136	4.531	4.531	(1.000)	1332730	40.0000	
* 46 Acenaphthene-d10	164	5.778	5.778	(1.000)	680307	40.0000	
* 67 Phenanthrene-d10	188	6.784	6.784	(1.000)	1215457	40.0000	
* 91 Chrysene-d12	240	8.383	8.383	(1.000)	930784	40.0000	
* 98 Perylene-d12	264	9.683	9.683	(1.000)	675569	40.0000	
209 Benzaldehyde	77	3.396	3.396	(0.925)	366092	40.0000	43.4
16 Acetophenone	105	3.925	3.925	(1.069)	567975	40.0000	39.1
189 Caprolactam	113	4.813	4.813	(1.062)	155702	40.0000	42.7
208 1,1'-Biphenyl	154	5.354	5.354	(0.927)	930781	40.0000	40.6
207 Atrazine	173	6.560	6.560	(0.967)	65956	40.0000	42.3
77 Benzidine	184	7.566	7.566	(0.902)	412764	40.0000	35.7
90 3,3'-Dichlorobenzidine	252	8.325	8.325	(0.993)	326468	40.0000	41.7
102 1,4-Dioxane	88	2.013	2.013	(0.548)	194942	40.0000	42.0
103 Methyl methacrylate	100	2.013	2.013	(0.548)	103707	40.0000	42.9
104 Ethyl methacrylate	69	2.384	2.384	(0.649)	434311	40.0000	42.2
105 2-Picoline	93	2.572	2.572	(0.700)	539582	40.0000	42.3
106 N-Nitrosomethylethylamine	88	2.619	2.619	(0.713)	251779	40.0000	39.8
107 Methyl methanesulfonate	80	2.778	2.778	(0.757)	247514	40.0000	37.0
108 N-Nitrosodiethylamine	102	3.007	3.007	(0.819)	240266	40.0000	41.2
109 Ethyl Methanesulfonate	79	3.166	3.166	(0.862)	361556	40.0000	40.9
110 Pentachloroethane	167	3.496	3.496	(0.952)	165012	40.0000	42.4
111 N-Nitrosopyrrolidine	100	3.913	3.913	(1.066)	240337	40.0000	43.9(Q)
113 N-Nitrosomorpholine	56	3.937	3.937	(1.072)	329147	40.0000	44.1
114 o-Toluidine	106	3.948	3.948	(1.075)	748965	40.0000	42.7
115 N-Nitrosopiperidine	114	4.148	4.148	(0.916)	242550	40.0000	41.9

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
116 a,a-Dimethylphenethylamine	58	4.395	4.395	(0.970)	1504735	40.0000	41.0
118 2,6-Dichlorophenol	162	4.578	4.578	(1.010)	313163	40.0000	41.6
119 Hexachloropropene	213	4.601	4.601	(1.016)	205951	40.0000	45.2
120 p-Phenylenediamine	108	4.813	4.813	(1.062)	413861	40.0000	44.2
121 N-Nitrosodi-n-butylamine	84	4.784	4.784	(1.056)	369718	40.0000	41.2
122 Safrole	162	4.948	4.948	(1.092)	309858	40.0000	41.4
123 1,2,4,5-Tetrachlorobenzene	216	5.142	5.142	(0.890)	319886	40.0000	39.9
124 Isosafrole	162	5.319	5.319	(0.921)	349171	40.0000	44.6
125 1,4-Naphthoquinone	158	5.501	5.501	(0.952)	303986	40.0000	46.4
127 Pentachlorobenzene	250	5.895	5.895	(1.020)	270863	40.0000	39.1
128 1-Naphthylamine	143	5.978	5.978	(1.035)	725625	40.0000	42.8
129 2-Naphthylamine	143	6.031	6.031	(1.044)	815479	40.0000	43.9
131 5-Nitro-o-toluidine	152	6.160	6.160	(1.066)	245917	40.0000	42.3
136 1,3,5-Trinitrobenzene	75	6.389	6.389	(0.942)	266144	40.0000	59.2
137 Phenacetin	108	6.419	6.419	(0.946)	468947	40.0000	43.4(Q)
138 Diallate	86	6.401	6.401	(0.944)	408871	40.0000	43.3
212 Cis Diallate	86	6.466	6.466	(0.953)	76185	6.00000	6.2
213 Trans Diallate	86	6.401	6.401	(0.944)	408871	34.0000	36.8
140 4-Aminobiphenyl	169	6.648	6.648	(0.980)	815067	40.0000	43.3
141 Pentachloronitrobenzene	237	6.660	6.660	(0.982)	87229	40.0000	39.5(Q)
142 Pronamide	173	6.660	6.660	(0.982)	319767	40.0000	40.4
146 4-Nitroquinoline-1-oxide	101	7.260	7.260	(1.070)	18409	40.0000	29.6
147 Methapyrilene	58	7.278	7.278	(1.073)	720959	40.0000	57.7
148 Isodrin	193	7.425	7.425	(1.095)	118164	40.0000	38.5
149 Aramite	185	7.666	7.666	(1.130)	62439	40.0000	46.1
150 Kepone	272	8.042	8.042	(1.186)	75082	40.0000	39.6
151 p-(Dimethylamino)azobenzene	120	7.778	7.778	(0.928)	358573	40.0000	44.8
152 Chlorobenzilate	251	7.795	7.795	(0.930)	318429	40.0000	40.6
153 3,3'-Dimethylbenzidine	212	7.972	7.972	(0.951)	567923	40.0000	41.1
155 2-Acetylaminofluorene	181	8.136	8.136	(0.971)	366850	40.0000	43.1
157 7,12Dimethylbenz(a)anthracene	256	9.242	9.242	(0.954)	393203	40.0000	41.1
158 3-Methylcholanthrene	268	10.001	10.001	(1.033)	380680	40.0000	38.6(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/MSD4.i/5010808.b/s4a0836.d

Date : 08-JAN-2008 21:52

Client ID: APICV

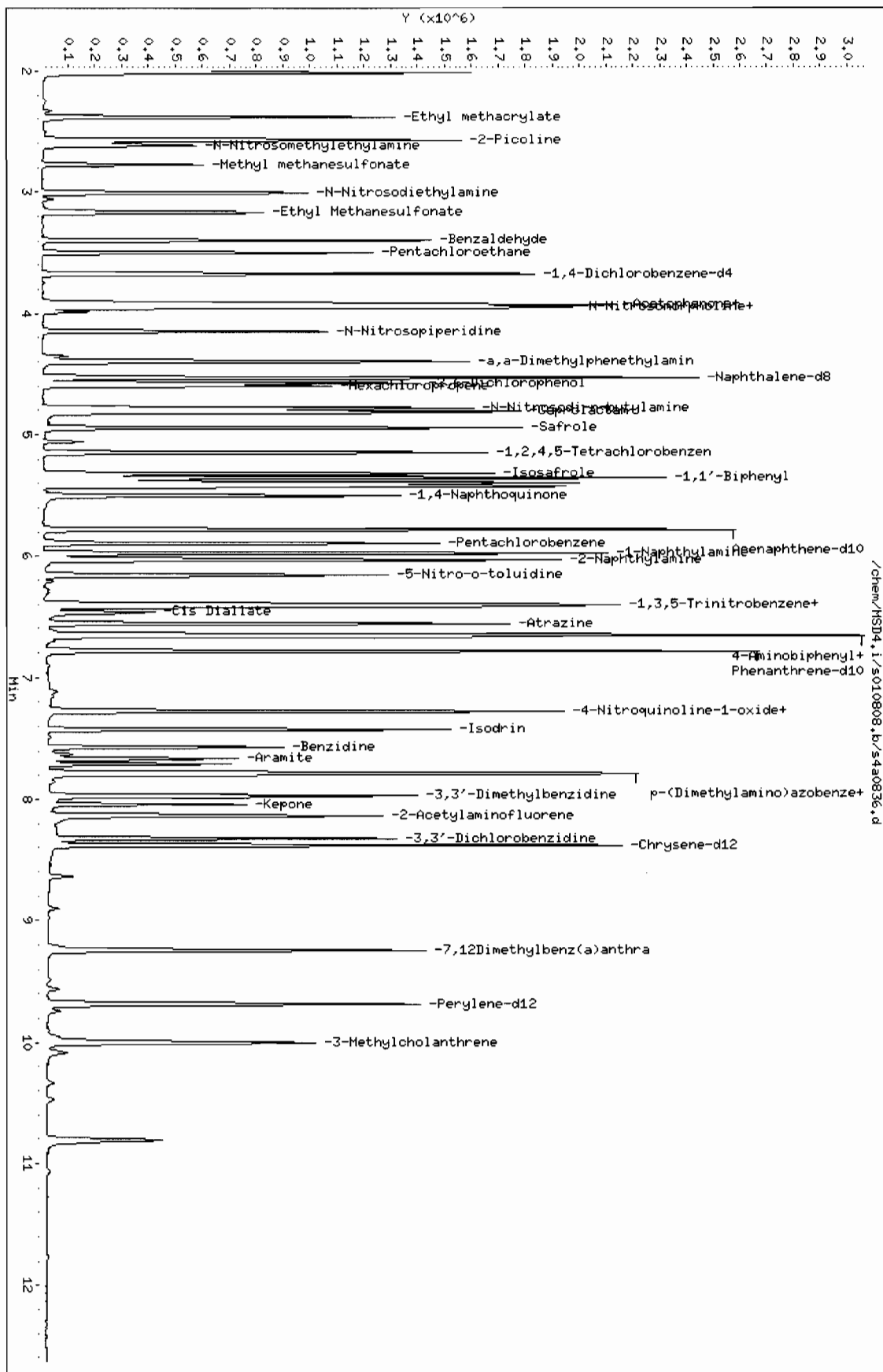
Sample Info: IUBNO71221-25.1140 PPH111SMF11APICV

Column phase: J&W DB-5MS

Instrument: MSD4.i

Operator: JHB3

Column diameter: 0.20



Data File: /chem/MSD4.i/s010808.b/s4a0837.d
Report Date: 21-Jan-2008 12:29

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GEL Laboratories LLC

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSD4.i Injection Date: 08-JAN-2008 22:11
Lab File ID: s4a0837.d Init. Cal. Date(s): 04-DEC-2007 08-JAN-2008
Analysis Type: Init. Cal. Times: 13:26 21:33
Lab Sample ID: WBN071221-26.1 Quant Type: ISTD
Method: /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m

COMPOUND	RRF / AMOUNT	RF40	CCAL RRF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
59 Tributylphosphate	1.45795	1.61023	1.61023	0.000	10.44513	60.00000	Averaged
117 Triethylphosphorothioate	0.13919	0.14605	0.14605	0.000	4.92208	60.00000	Averaged
132 Thionazin	0.21680	0.23817	0.23817	0.000	9.85632	60.00000	Averaged
134 Sulfotepp	0.11409	0.11496	0.11496	0.000	0.76209	60.00000	Averaged
135 Phorate	0.43995	0.46313	0.46313	0.000	5.27046	60.00000	Averaged
139 Dimethoate	0.28292	0.31222	0.31222	0.000	10.35795	60.00000	Averaged
144 Disulfoton	0.38940	0.40207	0.40207	0.000	3.25574	60.00000	Averaged
145 Methyl parathion	0.21249	0.23932	0.23932	0.000	12.62668	60.00000	Averaged
154 Famphur	0.39863	0.42333	0.42333	0.000	6.19840	60.00000	Averaged
191 Parathion	0.07341	0.07957	0.07957	0.000	8.39384	60.00000	Averaged

Data File: /chem/MSD4.i/s010808.b/s4a0837.d
Report Date: 21-Jan-2008 12:29

Page 1

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Data file : /chem/MSD4.i/s010808.b/s4a0837.d
Lab Smp Id: WBN071221-26.1 Client Smp ID: PESTICV
Inj Date : 08-JAN-2008 22:11
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-26.1|40 PPM|1|SVMF|1|PESTICV
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s010808.b/MSD4-M8270C-120607.m
Meth Date : 21-Jan-2008 12:29 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 17:24 Cal File: s410608.d
Als bottle: 35 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PEST.sub
Target Version: 3.50
Processing Host: kilroy

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
*****	----	----	--	-----	-----	-----	-----	-----
* 10 1,4-Dichlorobenzene-d4		152	3.672	3.672	(1.000)	359985	40.0000	
* 29 Naphthalene-d8		136	4.531	4.531	(1.000)	1443052	40.0000	
* 46 Acenaphthene-d10		164	5.778	5.778	(1.000)	726845	40.0000	
* 67 Phenanthrene-d10		188	6.784	6.784	(1.000)	1306388	40.0000	
* 91 Chrysene-d12		240	8.383	8.383	(1.000)	932598	40.0000	
* 98 Perylene-d12		264	9.683	9.683	(1.000)	685267	40.0000	
59 Tributylphosphate		99	6.172	6.172	(1.068)	1170391	40.0000	44.2
117 Triethylphosphorothioate		198	4.295	4.295	(0.948)	210751	40.0000	42.0
132 Thionazin		107	6.101	6.101	(1.056)	173110	40.0000	43.9
134 Sulfotepp		322	6.307	6.307	(0.930)	150181	40.0000	40.3
135 Phorate		75	6.413	6.413	(0.945)	605034	40.0000	42.1
139 Dimethoate		87	6.531	6.531	(0.963)	407881	40.0000	44.1
144 Disulfoton		88	6.748	6.748	(0.995)	525264	40.0000	41.3
145 Methyl parathion		109	6.984	6.984	(1.029)	312647	40.0000	45.0
154 Famphur		218	7.936	7.936	(0.947)	394801	40.0000	42.5
191 Parathion		291	7.213	7.213	(1.063)	103948	40.0000	43.4

Data File: /chem/HSD4.i/s010808.b/s4a0837.d

Date : 08-JAN-2008 22:11

Client ID: PESTICV

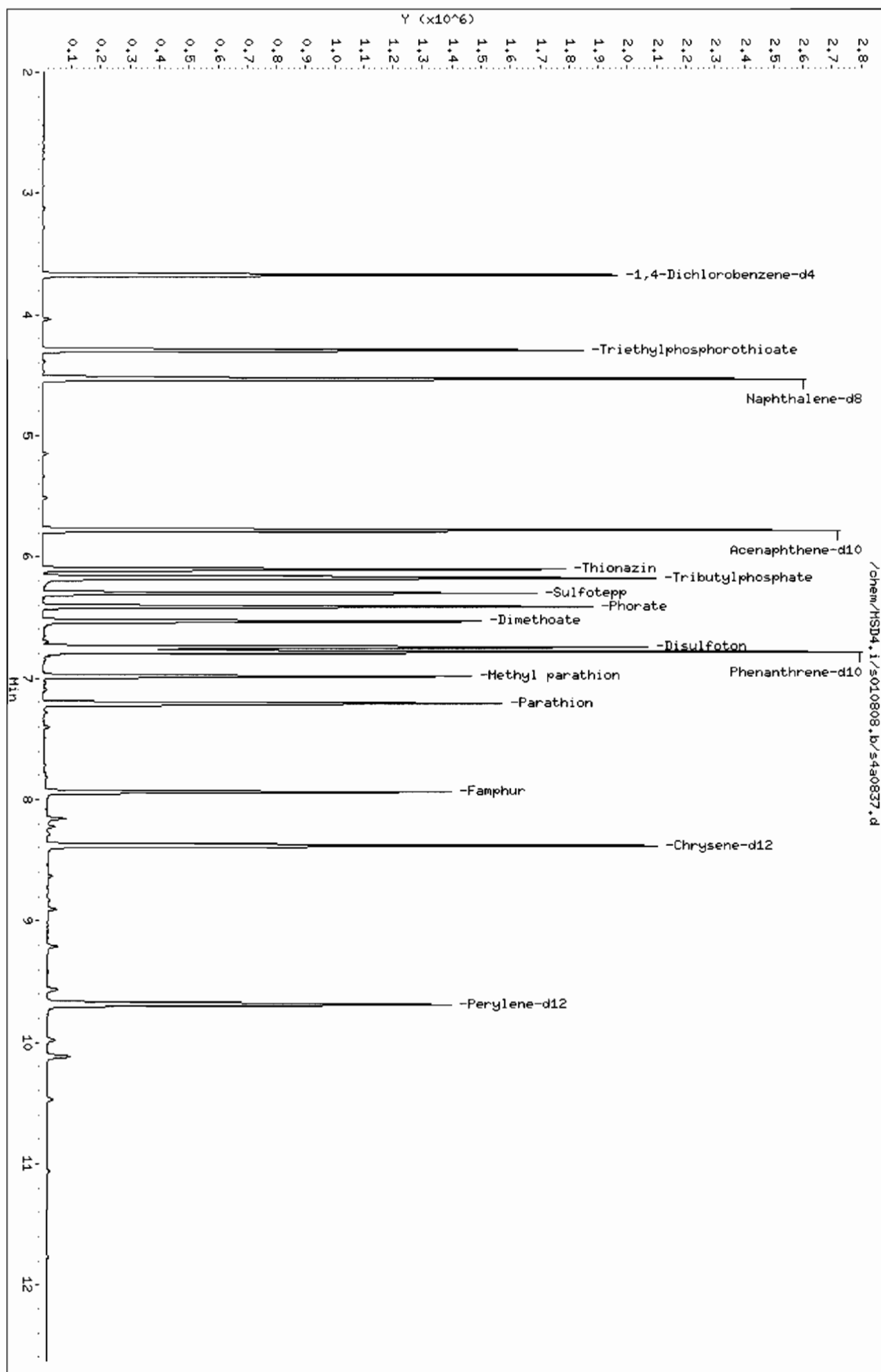
Sample Info: IMBN071221-26.1140 PPH11(SVHF11)PESTICV

Column phase: J&W DB-5MS

Instrument: HSD4.i

Operator: JHB3

Column diameter: 0.20



GEL Laboratories LLC
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSD4.i Injection Date: 21-JAN-2008 13:51
Lab File ID: s4a2102.d Init. Cal. Date(s): 04-DEC-2007 09-JAN-2008
Analysis Type: Init. Cal. Times: 13:26 01:04
Lab Sample ID: WBN080115-01.2 Quant Type: ISTD
Method: /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m

COMPOUND	RRF / AMOUNT	RF40	CCAL RRF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
3 2-Fluorophenol	1.28802	1.33388	1.33388	0.000	3.56067	60.00000	Averaged
5 Phenol-d5	1.56524	1.54614	1.54614	0.000	-1.22052	60.00000	Averaged
20 Nitrobenzene-d5	0.40559	0.40553	0.40553	0.000	-0.01438	60.00000	Averaged
39 2-Fluorobiphenyl	40.86260	40.00000	1.14601	0.000	2.15651	60.00000	Linear
60 2,4,6-Tribromophenol	0.13895	0.13696	0.13696	0.000	-1.42718	60.00000	Averaged
81 p-Terphenyl-d14	0.88241	0.77963	0.77963	0.000	-11.64759	60.00000	Averaged
1 N-Methyl-N-nitrosomethylami	1.01564	0.90713	0.90713	0.000	-10.68355	60.00000	Averaged
2 Pyridine	1.33605	1.02791	1.02791	0.000	-23.06348	60.00000	Averaged
4 Aniline	0.69900	0.71166	0.71166	0.000	1.81221	60.00000	Averaged
6 Phenol	1.67652	1.59399	1.59399	0.001	-4.92271	20.00000	Averaged ccc
7 bis(2-Chloroethyl) ether	1.29383	1.29176	1.29176	0.000	-0.15968	60.00000	Averaged
8 2-Chlorophenol	1.25306	1.25010	1.25010	0.000	-0.23631	60.00000	Averaged
203 n-Decane	1.44464	1.67715	1.67715	0.000	16.09486	60.00000	Averaged
9 1,3-Dichlorobenzene	1.32970	1.36043	1.36043	0.000	2.31040	60.00000	Averaged
11 1,4-Dichlorobenzene	41.26936	40.00000	1.27669	0.001	3.17340	20.00000	Linear ccc
13 1,2-Dichlorobenzene	39.20197	40.00000	1.19008	0.000	-1.99507	60.00000	Linear
14 bis(2-Chloroisopropyl)ether	2.71318	2.93690	2.93690	0.000	8.24576	60.00000	Averaged
12 Benzyl alcohol	0.94794	0.79404	0.79404	0.000	-16.23538	60.00000	Averaged
15 o-Cresol	1.03296	1.03104	1.03104	0.000	-0.18577	60.00000	Averaged
18 m,p-Cresols	1.40692	1.29866	1.29866	0.000	-7.69534	60.00000	Averaged
17 N-Nitrosodipropylamine	1.06892	1.03753	1.03753	0.050	-2.93705	60.00000	Averaged spcc
19 Hexachloroethane	0.58382	0.59187	0.59187	0.000	1.37919	60.00000	Averaged
21 Nitrobenzene	0.39576	0.37823	0.37823	0.000	-4.42922	60.00000	Averaged
22 Isophorone	0.71565	0.72151	0.72151	0.000	0.81833	60.00000	Averaged
23 2-Nitrophenol	41.04712	40.00000	0.14899	0.001	2.61780	20.00000	Linear ccc
24 2,4-Dimethylphenol	0.28650	0.27111	0.27111	0.000	-5.37087	60.00000	Averaged
25 bis(2-Chloroethoxy)methane	0.43548	0.37693	0.37693	0.000	-13.44569	60.00000	Averaged
26 2,4-Dichlorophenol	0.24414	0.24570	0.24570	0.001	0.63984	20.00000	Averaged ccc
27 Benzoic acid	51.19435	40.00000	0.19498	0.000	27.98588	60.00000	Linear
28 1,2,4-Trichlorobenzene	0.26444	0.25659	0.25659	0.000	-2.96948	60.00000	Averaged
30 Naphthalene	1.10594	0.86647	0.86647	0.000	-21.65288	60.00000	Averaged
204 alpha-Terpineol	0.27468	0.29346	0.29346	0.000	6.83826	60.00000	Averaged
31 4-Chloroaniline	0.44851	0.41274	0.41274	0.000	-7.97530	60.00000	Averaged
32 Hexachlorobutadiene	0.15586	0.14877	0.14877	0.001	-4.54802	20.00000	Averaged ccc
33 4-Chloro-3-methylphenol	0.29519	0.31000	0.31000	0.001	5.01629	20.00000	Averaged ccc
34 2-Methylnaphthalene	0.59880	0.57035	0.57035	0.000	-4.75125	60.00000	Averaged

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSD4.i Injection Date: 21-JAN-2008 13:51
Lab File ID: s4a2102.d Init. Cal. Date(s): 04-DEC-2007 09-JAN-2008
Analysis Type: Init. Cal. Times: 13:26 01:04
Lab Sample ID: WBN080115-01.2 Quant Type: ISTD
Method: /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m

COMPOUND	RRF / AMOUNT	RF40	CCAL	MIN	MAX	CURVE TYPE
RRF	%D	%DRIFT	%D	%DRIFT		
35 1-Methylnaphthalene	0.61878	0.53452	0.53452 0.000	-13.61797	60.00000	Averaged
36 Hexachlorocyclopentadiene	38.65959	40.00000	0.13881 0.050	-3.35102	60.00000	Linear spcc
205 2,3-Dichloroaniline	38.99282	40.00000	0.49619 0.000	-2.51795	60.00000	Linear
37 2,4,6-Trichlorophenol	0.28624	0.27998	0.27998 0.001	-2.18852	20.00000	Averaged ccc
38 2,4,5-Trichlorophenol	0.33873	0.35850	0.35850 0.000	5.83823	60.00000	Averaged
40 2-Chloronaphthalene	1.13815	0.98453	0.98453 0.000	-13.49717	60.00000	Averaged
42 o-Nitroaniline	0.38856	0.39536	0.39536 0.000	1.74956	60.00000	Averaged
41 m-Nitroaniline	0.27867	0.25345	0.25345 0.000	-9.05142	60.00000	Averaged
43 Dimethylphthalate	1.24044	1.04270	1.04270 0.000	-15.94074	60.00000	Averaged
44 2,6-Dinitrotoluene	0.30650	0.29126	0.29126 0.000	-4.97114	60.00000	Averaged
50 2,4-Dinitrotoluene	0.37967	0.37325	0.37325 0.000	-1.69179	60.00000	Averaged
45 Acenaphthylene	1.92103	1.65930	1.65930 0.000	-13.62466	60.00000	Averaged
47 Acenaphthene	39.83988	40.00000	0.96049 0.001	-0.40031	20.00000	Linear ccc
48 2,4-Dinitrophenol	0.09560	0.08536	0.08536 0.050	-10.70707	60.00000	Averaged spcc
49 Dibenzofuran	40.71933	40.00000	1.39434 0.000	1.79832	60.00000	Linear
51 Diethylphthalate	35.15039	40.00000	1.11265 0.000	-12.12404	60.00000	Linear
52 4-Nitrophenol	0.19767	0.16539	0.16539 0.050	-16.32880	60.00000	Averaged spcc
53 Fluorene	41.76701	40.00000	1.13629 0.000	4.41752	60.00000	Linear
54 4-Chlorophenylphenylether	38.65588	40.00000	0.53280 0.000	-3.36031	60.00000	Linear
55 2-Methyl-4,6-dinitrophenol	0.09461	0.12187	0.12187 0.000	28.82090	60.00000	Averaged
56 p-Nitroaniline	0.25253	0.19075	0.19075 0.000	-24.46498	60.00000	Averaged
133 Diphenylamine	34.09022	40.00000	0.47649 0.001	-14.77444	20.00000	Linear ccc
58 1,2-Diphenylhydrazine	0.83269	0.79965	0.79965 0.000	-3.96733	60.00000	Averaged
61 4-Bromophenylphenylether	0.17750	0.15613	0.15613 0.000	-12.04335	60.00000	Averaged
63 Hexachlorobenzene	0.19494	0.17411	0.17411 0.000	-10.68602	60.00000	Averaged
65 Pentachlorophenol	38.88239	40.00000	0.05953 0.001	-2.79403	20.00000	Linear ccc
206 n-Octadecane	0.46487	0.54436	0.54436 0.000	17.09763	60.00000	Averaged
68 Phenanthrene	38.17052	40.00000	0.84092 0.000	-4.57369	60.00000	Linear
69 Anthracene	41.49114	40.00000	0.90857 0.000	3.72784	60.00000	Linear
72 Di-n-butylphthalate	35.41234	40.00000	0.99985 0.000	-11.46915	60.00000	Linear
76 Fluoranthene	0.93842	0.91160	0.91160 0.001	-2.85770	20.00000	Averaged ccc
79 Pyrene	1.36995	1.21567	1.21567 0.000	-11.26165	60.00000	Averaged
85 Butylbenzylphthalate	0.63031	0.56406	0.56406 0.000	-10.51087	60.00000	Averaged
89 Benzo(a)anthracene	1.19973	0.97735	0.97735 0.000	-18.53618	60.00000	Averaged
92 Chrysene	1.16032	1.05742	1.05742 0.000	-8.86824	60.00000	Averaged
93 bis(2-Ethylhexyl)phthalate	0.87232	0.79284	0.79284 0.000	-9.11236	60.00000	Averaged

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSD4.i Injection Date: 21-JAN-2008 13:51
Lab File ID: s4a2102.d Init. Cal. Date(s): 04-DEC-2007 09-JAN-2008
Analysis Type: Init. Cal. Times: 13:26 01:04
Lab Sample ID: WBN080115-01.2 Quant Type: ISTD
Method: /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m

COMPOUND	RRF / AMOUNT	RF40	CCAL RRF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Di-n-octylphthalate	1.71815	1.74860	1.74860	0.001	1.77217	20.00000	Averaged ccc
95 Benzo(b)fluoranthene	1.35861	1.16177	1.16177	0.000	-14.48850	60.00000	Averaged
96 Benzo(k)fluoranthene	1.28225	1.33230	1.33230	0.000	3.90358	60.00000	Averaged
97 Benzo(a)pyrene	1.11877	1.04099	1.04099	0.001	-6.95219	20.00000	Averaged ccc
99 Indeno(1,2,3-cd)pyrene	1.03497	0.94733	0.94733	0.000	-8.46790	60.00000	Averaged
100 Dibenzo(a,h)anthracene	0.85645	0.77197	0.77197	0.000	-9.86384	60.00000	Averaged
101 Benzo(ghi)perylene	0.88738	0.82051	0.82051	0.000	-7.53521	60.00000	Averaged
126 m-Dinitrobenzene	0.23090	0.21636	0.21636	0.000	-6.29805	60.00000	Averaged
130 2,3,4,6-Tetrachlorophenol	0.26802	0.23813	0.23813	0.000	-11.15160	60.00000	Averaged
143 Dinoseb	41.88576	40.00000	0.13737	0.000	4.71439	60.00000	Linear
173 Carbazole	37.87604	40.00000	0.67186	0.000	-5.30989	60.00000	Linear
184 p-Benzoquinone	0.09496	0.03876	0.03876	0.000	-59.18036	60.00000	Averaged
192 Methoxychlor	0.63973	0.69298	0.69298	0.000	8.32469	60.00000	Averaged
211 p-Toluidine	1.35668	0.94854	0.94854	0.000	-30.08367	60.00000	Averaged
210 m-Toluidine	1.73481	1.76034	1.76034	0.000	1.47146	60.00000	Averaged
M 222 Trichlorophenols	0.31248	0.31924	0.31924	0.000	2.16188	60.00000	Averaged
M 223 Tetrachlorophenols	0.26802	0.23813	0.23813	0.000	-11.15160	60.00000	Averaged
M 224 Benzo(b,k)fluoranthene	1.32043	1.24703	1.24703	0.000	-5.55837	60.00000	Averaged

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Data file : /chem/MSD4.i/s012108.b/s4a2102.d
Lab Smp Id: WBN080115-01.2 Client Smp ID: MEGACVS
Inj Date : 21-JAN-2008 13:51
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN080115-01.2|40 PPM|1|SVMF|1|MEGACVS
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
Meth Date : 21-Jan-2008 15:36 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 16:18 Cal File: s410605.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: MEGAILI.sub
Target Version: 3.50

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
*****	====	==	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.693	3.693	(1.000)	287025	40.0000	
* 29 Naphthalene-d8	136	4.557	4.557	(1.000)	1178122	40.0000	
* 46 Acenaphthene-d10	164	5.804	5.804	(1.000)	629499	40.0000	
* 67 Phenanthrene-d10	188	6.804	6.804	(1.000)	1128614	40.0000	
* 91 Chrysene-d12	240	8.416	8.416	(1.000)	849619	40.0000	
* 98 Perylene-d12	264	9.728	9.728	(1.000)	634897	40.0000	
\$ 3 2-Fluorophenol	112	2.899	2.899	(0.785)	382858	40.0000	41.4
\$ 5 Phenol-d5	99	3.428	3.428	(0.928)	443781	40.0000	39.5
\$ 20 Nitrobenzene-d5	82	4.057	4.057	(0.890)	477763	40.0000	40.0
\$ 39 2-Fluorobiphenyl	172	5.298	5.298	(0.913)	721414	40.0000	40.9
\$ 60 2,4,6-Tribromophenol	329	6.351	6.351	(1.094)	86219	40.0000	39.4
\$ 81 p-Terphenyl-d14	244	7.728	7.728	(0.918)	662386	40.0000	35.3
1 N-Methyl-N-nitrosomethylamine	74	2.204	2.204	(0.597)	260369	40.0000	35.7
2 Pyridine	79	2.234	2.234	(0.605)	295035	40.0000	30.8
4 Aniline	66	3.481	3.481	(0.943)	204265	40.0000	40.7
6 Phenol	94	3.434	3.434	(0.930)	457515	40.0000	38.0
7 bis(2-Chloroethyl) ether	63	3.499	3.499	(0.947)	370768	40.0000	39.9
8 2-Chlorophenol	128	3.563	3.563	(0.965)	358811	40.0000	39.9
203 n-Decane	43	3.551	3.551	(0.962)	481384	40.0000	46.4
9 1,3-Dichlorobenzene	146	3.663	3.663	(0.992)	390476	40.0000	40.9
11 1,4-Dichlorobenzene	146	3.704	3.704	(1.003)	366443	40.0000	41.3
13 1,2-Dichlorobenzene	146	3.810	3.810	(1.032)	341583	40.0000	39.2
14 bis(2-Chloroisopropyl)ether	45	3.846	3.846	(1.041)	842965	40.0000	43.3
12 Benzyl alcohol	108	3.769	3.769	(1.021)	227909	40.0000	33.5
15 o-Cresol	107	3.822	3.822	(1.035)	295935	40.0000	39.9
18 m,p-Cresols	107	3.928	3.928	(1.064)	372747	40.0000	36.9
17 N-Nitrosodipropylamine	70	3.940	3.940	(1.067)	297797	40.0000	38.8

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
19 Hexachloroethane	117	4.034	4.034	(1.092)	169881	40.0000	40.6
21 Nitrobenzene	77	4.069	4.069	(0.893)	445604	40.0000	38.2
22 Isophorone	82	4.222	4.222	(0.926)	850026	40.0000	40.3
23 2-Nitrophenol	139	4.281	4.281	(0.939)	175533	40.0000	41.0
24 2,4-Dimethylphenol	122	4.287	4.287	(0.941)	319400	40.0000	37.8
25 bis(2-Chloroethoxy)methane	93	4.351	4.351	(0.955)	444070	40.0000	34.6
26 2,4-Dichlorophenol	162	4.451	4.451	(0.977)	289466	40.0000	40.2
27 Benzoic acid	105	4.351	4.351	(0.955)	229714	40.0000	51.2
28 1,2,4-Trichlorobenzene	180	4.510	4.510	(0.990)	302290	40.0000	38.8
30 Naphthalene	128	4.569	4.569	(1.003)	1020813	40.0000	31.3
204 alpha-Terpineol	59	4.551	4.551	(0.999)	345730	40.0000	42.7
31 4-Chloroaniline	127	4.593	4.593	(1.008)	486262	40.0000	36.8
32 Hexachlorobutadiene	225	4.640	4.640	(1.018)	175270	40.0000	38.2
33 4-Chloro-3-methylphenol	107	4.910	4.910	(1.077)	365215	40.0000	42.0
34 2-Methylnaphthalene	142	5.051	5.051	(1.108)	671940	40.0000	38.1
35 1-Methylnaphthalene	142	5.122	5.122	(1.124)	629726	40.0000	34.6
36 Hexachlorocyclopentadiene	237	5.151	5.151	(0.888)	87379	40.0000	38.6
205 2,3-Dichloroaniline	161	5.245	5.245	(0.904)	312348	40.0000	39.0
37 2,4,6-Trichlorophenol	196	5.245	5.245	(0.904)	176246	40.0000	39.1
38 2,4,5-Trichlorophenol	196	5.275	5.275	(0.909)	225676	40.0000	42.3
40 2-Chloronaphthalene	162	5.404	5.404	(0.931)	619762	40.0000	34.6
42 o-Nitroaniline	65	5.463	5.463	(0.941)	248879	40.0000	40.7
41 m-Nitroaniline	138	5.757	5.757	(0.992)	159545	40.0000	36.4
43 Dimethylphthalate	163	5.575	5.575	(0.960)	656379	40.0000	33.6
44 2,6-Dinitrotoluene	165	5.628	5.628	(0.970)	183350	40.0000	38.0
50 2,4-Dinitrotoluene	165	5.922	5.922	(1.020)	234961	40.0000	39.3
45 Acenaphthylene	152	5.704	5.704	(0.983)	1044527	40.0000	34.6
47 Acenaphthene	154	5.828	5.828	(1.004)	604630	40.0000	39.8
48 2,4-Dinitrophenol	184	5.834	5.834	(1.005)	53737	40.0000	35.7
49 Dibenzofuran	168	5.945	5.945	(1.024)	877737	40.0000	40.7
51 Diethylphthalate	149	6.069	6.069	(1.046)	700409	40.0000	35.2
52 4-Nitrophenol	139	5.869	5.869	(1.011)	104115	40.0000	33.5
53 Fluorene	166	6.187	6.187	(1.066)	715294	40.0000	41.8
54 4-Chlorophenylphenylether	204	6.169	6.169	(1.063)	335395	40.0000	38.6
55 2-Methyl-4,6-dinitrophenol	198	6.204	6.204	(0.912)	137548	40.0000	51.5
56 p-Nitroaniline	138	6.187	6.187	(1.066)	120074	40.0000	30.2
133 Diphenylamine	169	6.245	6.245	(0.918)	537772	40.0000	34.1
58 1,2-Diphenylhydrazine	77	6.275	6.275	(0.922)	902497	40.0000	38.4
61 4-Bromophenylphenylether	248	6.498	6.498	(0.955)	176206	40.0000	35.2
63 Hexachlorobenzene	284	6.551	6.551	(0.963)	196499	40.0000	35.7
65 Pentachlorophenol	266	6.675	6.675	(0.981)	67192	40.0000	38.9
206 n-Octadecane	57	6.669	6.669	(0.980)	614369	40.0000	46.8
68 Phenanthrene	178	6.822	6.822	(1.003)	949074	40.0000	38.2
69 Anthracene	178	6.851	6.851	(1.007)	1025430	40.0000	41.5
72 Di-n-butylphthalate	149	7.110	7.110	(1.045)	1128443	40.0000	35.4
76 Fluoranthene	202	7.534	7.534	(1.107)	1028850	40.0000	38.8
79 Pyrene	202	7.675	7.675	(0.912)	1032856	40.0000	35.5

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	====	==	=====	=====	=====	=====	=====
85 Butylbenzylphthalate	149	7.981	7.981	(0.948)	479232	40.0000	35.8
89 Benzo(a)anthracene	228	8.404	8.404	(0.999)	830373	40.0000	32.6
92 Chrysene	228	8.434	8.434	(1.002)	898405	40.0000	36.4
93 bis(2-Ethylhexyl)phthalate	149	8.316	8.316	(0.988)	673608	40.0000	36.4
94 Di-n-octylphthalate	149	8.798	8.798	(0.904)	1110178	40.0000	40.7
95 Benzo(b)fluoranthene	252	9.310	9.310	(0.957)	737602	40.0000	34.2 (H)
96 Benzo(k)fluoranthene	252	9.339	9.339	(0.960)	845874	40.0000	41.6
97 Benzo(a)pyrene	252	9.669	9.669	(0.994)	660923	40.0000	37.2
99 Indeno(1,2,3-cd)pyrene	276	11.192	11.192	(1.151)	601455	40.0000	36.6
100 Dibenzo(a,h)anthracene	278	11.198	11.198	(1.151)	490120	40.0000	36.0
101 Benzo(ghi)perylene	276	11.651	11.651	(1.198)	520942	40.0000	37.0
126 m-Dinitrobenzene	168	5.616	5.616	(0.968)	136198	40.0000	37.5
130 2,3,4,6-Tetrachlorophenol	232	6.022	6.022	(1.037)	149901	40.0000	35.5
143 Dinoseb	211	6.769	6.769	(0.995)	155034	40.0000	41.9
173 Carbazole	167	6.939	6.939	(1.020)	758267	40.0000	37.9
184 p-Benzoquinone	54	3.193	3.193	(0.865)	11126	40.0000	16.3
192 Methoxychlor	227	8.292	8.292	(0.985)	588771	40.0000	43.3
211 p-Toluidine	106	3.975	3.975	(1.076)	272255	40.0000	28.0
210 m-Toluidine	106	3.998	3.998	(1.083)	505261	40.0000	40.6
M 222 Trichlorophenols	196				401922	80.0000	81.4
M 223 Tetrachlorophenols	232				149901	40.0000	35.5
M 224 Benzo(b,k)fluoranthene	252				1583476	80.0000	75.8

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: /chem/MSD4.i/s012108.b/s4a2102.d

Date : 21-JAN-2008 13:51

Client ID: MEGACVS

Sample Info: 1JBN080115-01.2140 PPM11SVMF11MEGACVS

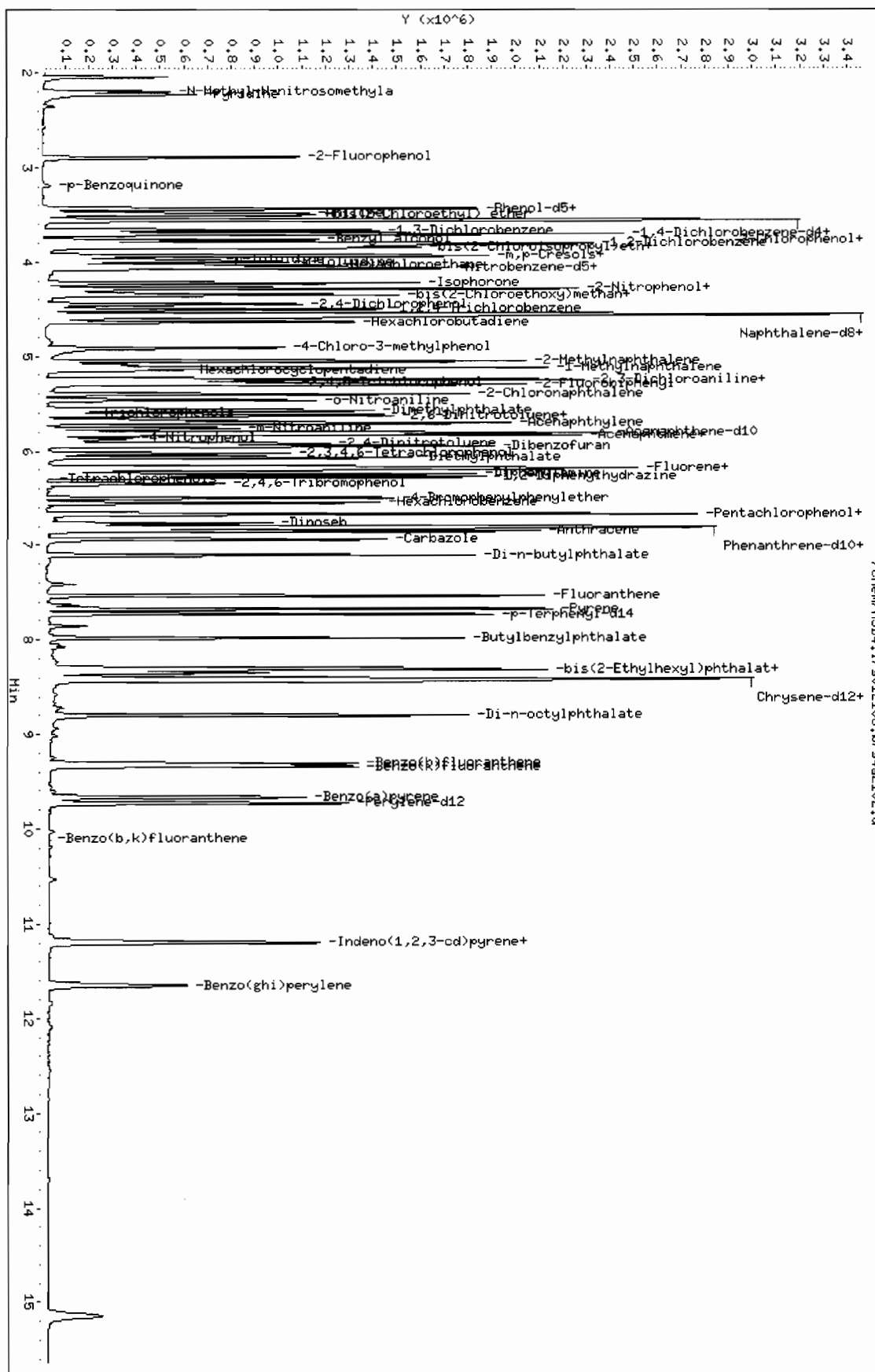
Column phase: J&W DB-5MS

Instrument: MSD4.1

Operator: JMB3

Column diameter: 0.20

Page 1



Data File: /chem/MSD4.i/s012108.b/s4a2104.d
Report Date: 21-Jan-2008 15:58

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSD4.i Injection Date: 21-JAN-2008 14:33
Lab File ID: s4a2104.d Init. Cal. Date(s): 04-DEC-2007 09-JAN-2008
Analysis Type: Init. Cal. Times: 13:26 01:04
Lab Sample ID: WBN071221-13.5 Quant Type: ISTD
Method: /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m

COMPOUND	RRF / AMOUNT	RF40	CCAL RRF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
209 Benzaldehyde	1.01520	1.01329	1.01329 0.000		-0.18863	60.00000	Averaged
16 Acetophenone	1.75170	1.79353	1.79353 0.000		2.38781	60.00000	Averaged
189 Caprolactam	0.10948	0.11440	0.11440 0.000		4.49219	60.00000	Averaged
208 1,1'-Biphenyl	1.34633	1.33197	1.33197 0.000		-1.06633	60.00000	Averaged
207 Atrazine	0.05130	0.04884	0.04884 0.000		-4.78934	60.00000	Averaged
77 Benzidine	0.49684	0.26069	0.26069 0.000		-47.52972	60.00000	Averaged
90 3,3'-Dichlorobenzidine	0.33633	0.31221	0.31221 0.000		-7.17108	60.00000	Averaged
102 1,4-Dioxane	0.58108	0.58329	0.58329 0.000		0.37934	60.00000	Averaged
103 Methyl methacrylate	0.30420	0.31131	0.31131 0.000		2.33865	60.00000	Averaged
104 Ethyl methacrylate	1.23938	1.29312	1.29312 0.000		4.33602	60.00000	Averaged
105 2-Picoline	1.53612	1.51461	1.51461 0.000		-1.39989	60.00000	Averaged
106 N-Nitrosomethylethylamine	0.76216	0.69316	0.69316 0.000		-9.05252	60.00000	Averaged
107 Methyl methanesulfonate	0.80522	0.83935	0.83935 0.000		4.23883	60.00000	Averaged
108 N-Nitrosodiethylamine	0.70186	0.68679	0.68679 0.000		-2.14703	60.00000	Averaged
109 Ethyl Methanesulfonate	1.06546	1.06190	1.06190 0.000		-0.33415	60.00000	Averaged
110 Pentachloroethane	0.46889	0.49331	0.49331 0.000		5.20998	60.00000	Averaged
111 N-Nitrosopyrrolidine	0.65997	0.69141	0.69141 0.000		4.76386	60.00000	Averaged
113 N-Nitrosomorpholine	0.89921	1.06070	1.06070 0.000		17.95902	60.00000	Averaged
114 o-Toluidine	2.18694	2.18936	2.18936 0.000		0.11105	60.00000	Averaged
115 N-Nitrosopiperidine	0.17364	0.16808	0.16808 0.000		-3.20495	60.00000	Averaged
116 a,a-Dimethylphenethylamine	1.10215	1.16471	1.16471 0.000		5.67648	60.00000	Averaged
118 2,6-Dichlorophenol	0.22593	0.23655	0.23655 0.000		4.69942	60.00000	Averaged
119 Hexachloropropene	0.13673	0.16155	0.16155 0.000		18.14786	60.00000	Averaged
120 p-Phenylenediamine	0.28074	0.28061	0.28061 0.000		-0.04787	60.00000	Averaged
121 N-Nitrosodi-n-butylamine	49.62625	40.00000	0.30311 0.000		24.06563	60.00000	Linear
122 Safrole	0.22459	0.22923	0.22923 0.000		2.06444	60.00000	Averaged
123 1,2,4,5-Tetrachlorobenzene	0.47150	0.45274	0.45274 0.000		-3.97709	60.00000	Averaged
124 Isosafrole	0.45977	0.44737	0.44737 0.000		-2.69833	60.00000	Averaged
125 1,4-Naphthoquinone	0.39968	0.39578	0.39578 0.000		-0.97541	60.00000	Averaged
127 Pentachlorobenzene	0.40702	0.37975	0.37975 0.000		-6.70074	60.00000	Averaged
128 1-Naphthylamine	0.99747	1.02048	1.02048 0.000		2.30674	60.00000	Averaged
129 2-Naphthylamine	1.09149	1.04296	1.04296 0.000		-4.44644	60.00000	Averaged
131 5-Nitro-o-toluidine	0.34158	0.34896	0.34896 0.000		2.15932	60.00000	Averaged
136 1,3,5-Trinitrobenzene	0.14924	0.18151	0.18151 0.000		21.61668	60.00000	Averaged
137 Phenacetin	0.35584	0.36235	0.36235 0.000		1.82928	60.00000	Averaged
138 Diallate	0.32499	0.31280	0.31280 0.000		-3.75073	60.00000	Averaged

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSD4.i Injection Date: 21-JAN-2008 14:33
 Lab File ID: s4a2104.d Init. Cal. Date(s): 04-DEC-2007 09-JAN-2008
 Analysis Type: Init. Cal. Times: 13:26 01:04
 Lab Sample ID: WBN071221-13.5 Quant Type: ISTD
 Method: /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m

COMPOUND	RRF / AMOUNT	RF40	CCAL RRF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
212 Cis Diallate	0.40626	0.38288	0.38288	0.000	-5.75559	60.00000	Averaged
213 Trans Diallate	0.38228	0.36801	0.36801	0.000	-3.73452	60.00000	Averaged
140 4-Aminobiphenyl	0.61971	0.56587	0.56587	0.000	-8.68791	60.00000	Averaged
141 Pentachloronitrobenzene	0.07269	0.07904	0.07904	0.000	8.74195	60.00000	Averaged
142 Pronamide	0.26057	0.25978	0.25978	0.000	-0.30594	60.00000	Averaged
146 4-Nitroquinoline-1-oxide	0.02044	0.01650	0.01650	0.000	-19.23709	60.00000	Averaged
147 Methapyrilene	0.42976	0.45182	0.45182	0.000	5.13253	60.00000	Averaged
148 Isodrin	0.10092	0.10410	0.10410	0.000	3.15171	60.00000	Averaged
149 Aramite	0.04456	0.04792	0.04792	0.000	7.53438	60.00000	Averaged
150 Kepone	0.06247	0.07293	0.07293	0.000	16.74596	60.00000	Averaged
151 p-(Dimethylamino)azobenzene	0.34396	0.35667	0.35667	0.000	3.69658	60.00000	Averaged
152 Chlorobenzilate	0.33683	0.32294	0.32294	0.000	-4.12197	60.00000	Averaged
153 3,3'-Dimethylbenzidine	0.59433	0.47951	0.47951	0.000	-19.31881	60.00000	Averaged
155 2-Acetylaminofluorene	0.35935	0.36081	0.36081	0.000	0.40588	60.00000	Averaged
157 7,12Dimethylbenz(a)anthracene	0.56621	0.58380	0.58380	0.000	3.10616	60.00000	Averaged
158 3-Methylcholanthrene	0.58362	0.60941	0.60941	0.000	4.41837	60.00000	Averaged

Data File: /chem/MSD4.i/s012108.b/s4a2104.d
Report Date: 21-Jan-2008 15:58

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Data file : /chem/MSD4.i/s012108.b/s4a2104.d
Lab Smp Id: WBN071221-13.5 Client Smp ID: APCVS
Inj Date : 21-JAN-2008 14:33
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |WBN071221-13.5|40 PPM|1|SVMF|1|APCVS
Misc Info : |MSD8270_LF|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
Meth Date : 21-Jan-2008 15:36 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 16:18 Cal File: s410605.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AP12.sub
Target Version: 3.50

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
*****	=====	==	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.693	3.693	(1.000)	285935	40.0000	
* 29 Naphthalene-d8	136	4.551	4.557	(1.000)	1135033	40.0000	
* 46 Acenaphthene-d10	164	5.798	5.804	(1.000)	598780	40.0000	
* 67 Phenanthrene-d10	188	6.804	6.804	(1.000)	1111028	40.0000	
* 91 Chrysene-d12	240	8.410	8.416	(1.000)	897137	40.0000	
* 98 Perylene-d12	264	9.727	9.728	(1.000)	641322	40.0000	
209 Benzaldehyde	77	3.422	3.422	(0.927)	289734	40.0000	39.9
16 Acetophenone	105	3.945	3.945	(1.068)	512833	40.0000	41.0
189 Caprolactam	113	4.834	4.834	(1.062)	129846	40.0000	41.8
208 1,1'-Biphenyl	154	5.375	5.375	(0.927)	797557	40.0000	39.6
207 Atrazine	173	6.581	6.581	(0.967)	54268	40.0000	38.1
77 Benzidine	184	7.586	7.586	(0.902)	233878	40.0000	21.0
90 3,3'-Dichlorobenzidine	252	8.351	8.351	(0.993)	280094	40.0000	37.1
102 1,4-Dioxane	88	2.046	2.046	(0.554)	166782	40.0000	40.2 (H)
103 Methyl methacrylate	100	2.046	2.046	(0.554)	89015	40.0000	40.9
104 Ethyl methacrylate	69	2.410	2.410	(0.653)	369747	40.0000	41.7
105 2-Picoline	93	2.598	2.598	(0.704)	433081	40.0000	39.4
106 N-Nitrosomethylethylamine	88	2.646	2.646	(0.716)	198200	40.0000	36.4
107 Methyl methanesulfonate	80	2.804	2.804	(0.759)	240000	40.0000	41.7
108 N-Nitrosodiethylamine	102	3.034	3.034	(0.822)	196377	40.0000	39.1
109 Ethyl Methanesulfonate	79	3.193	3.193	(0.865)	303635	40.0000	39.9
110 Pentachloroethane	167	3.522	3.522	(0.954)	141056	40.0000	42.1
111 N-Nitrosopyrrolidine	100	3.934	3.934	(1.065)	197699	40.0000	41.9 (Q)
113 N-Nitrosomorpholine	56	3.957	3.957	(1.072)	303290	40.0000	47.2
114 o-Toluidine	106	3.969	3.969	(1.075)	626016	40.0000	40.0
115 N-Nitrosopiperidine	114	4.169	4.169	(0.916)	190774	40.0000	38.7
116 a,a-Dimethylphenethylamine	58	4.422	4.422	(0.972)	1321986	40.0000	42.3

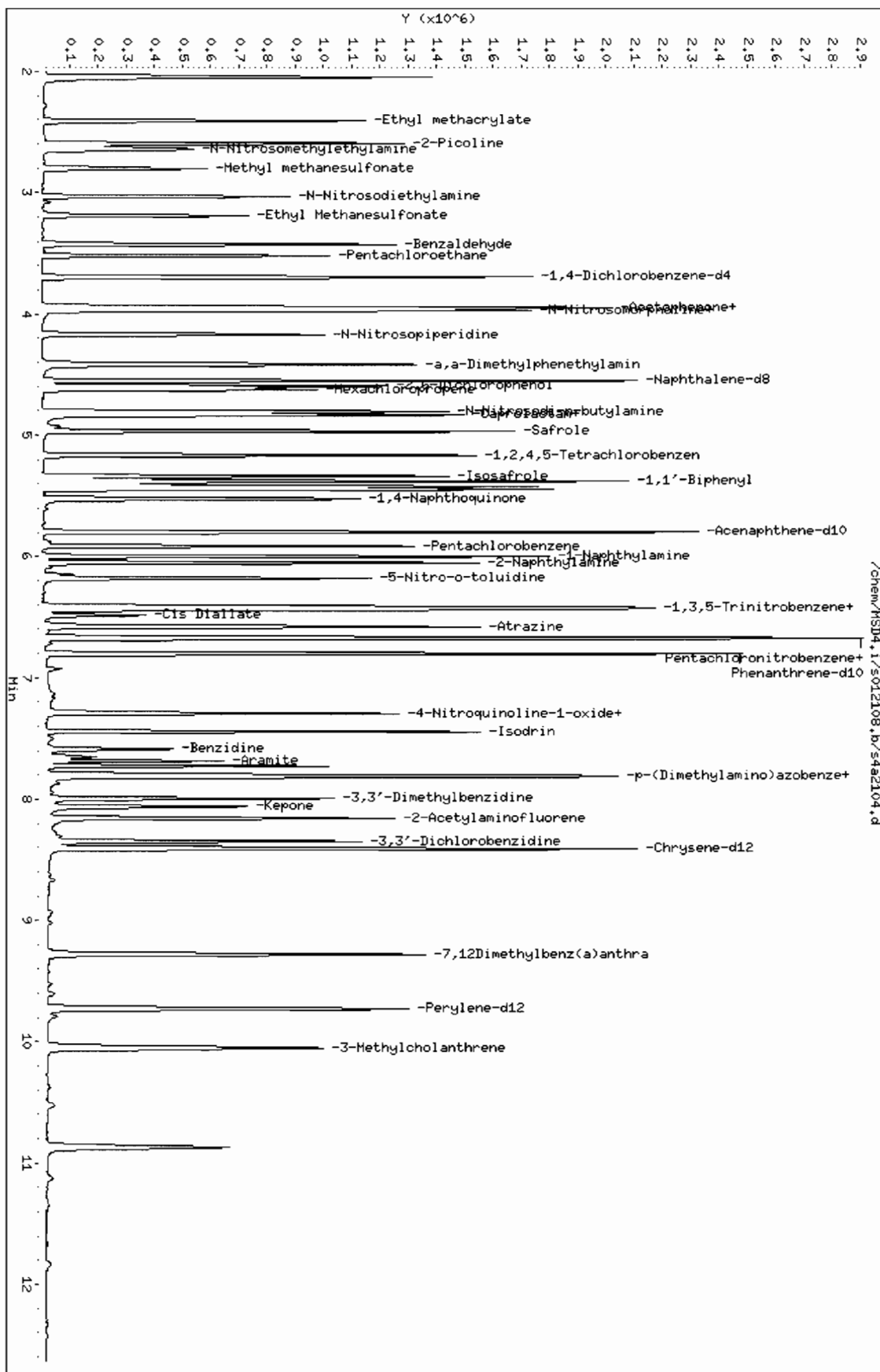
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
=====	=====	==	=====	=====	=====	=====	=====
118 2,6-Dichlorophenol	162	4.598	4.598	(1.010)	268491	40.0000	41.9
119 Hexachloropropene	213	4.622	4.622	(1.016)	183361	40.0000	47.2
120 p-Phenylenediamine	108	4.840	4.840	(1.063)	318501	40.0000	40.0
121 N-Nitrosodi-n-butylamine	84	4.804	4.804	(1.056)	344040	40.0000	49.6
122 Safrole	162	4.969	4.969	(1.092)	260183	40.0000	40.8
123 1,2,4,5-Tetrachlorobenzene	216	5.169	5.169	(0.891)	271094	40.0000	38.4
124 Isosafrole	162	5.339	5.339	(0.921)	267875	40.0000	38.9
125 1,4-Naphthoquinone	158	5.522	5.522	(0.952)	236985	40.0000	39.6
127 Pentachlorobenzene	250	5.916	5.916	(1.020)	227385	40.0000	37.3
128 1-Naphthylamine	143	5.998	5.998	(1.034)	611044	40.0000	40.9
129 2-Naphthylamine	143	6.051	6.051	(1.044)	624504	40.0000	38.2
131 5-Nitro-o-toluidine	152	6.181	6.181	(1.066)	208948	40.0000	40.9(H)
136 1,3,5-Trinitrobenzene	75	6.410	6.410	(0.942)	201659	40.0000	48.6
137 Phenacetin	108	6.439	6.439	(0.946)	402583	40.0000	40.7(Q)
138 Diallate	86	6.422	6.422	(0.944)	347535	40.0000	38.5
212 Cis Diallate	86	6.486	6.486	(0.953)	63808	6.00000	5.6
213 Trans Diallate	86	6.422	6.422	(0.944)	347535	34.0000	32.7
140 4-Aminobiphenyl	169	6.669	6.669	(0.980)	628695	40.0000	36.5(H)
141 Pentachloronitrobenzene	237	6.681	6.681	(0.982)	87821	40.0000	43.5(Q)
142 Pronamide	173	6.681	6.681	(0.982)	288619	40.0000	39.9
146 4-Nitroquinoline-1-oxide	101	7.281	7.281	(1.070)	18337	40.0000	32.3
147 Methapyrilene	58	7.298	7.298	(1.073)	501981	40.0000	42.0
148 Isodrin	193	7.445	7.445	(1.094)	115660	40.0000	41.3
149 Aramite	185	7.686	7.686	(1.130)	53235	40.0000	43.0(H)
150 Kepone	272	8.063	8.063	(1.185)	81027	40.0000	46.7
151 p-(Dimethylamino)azobenzene	120	7.798	7.798	(0.927)	319985	40.0000	41.5
152 Chlorobenzilate	251	7.816	7.816	(0.929)	289724	40.0000	38.4
153 3,3'-Dimethylbenzidine	212	7.992	7.992	(0.950)	430190	40.0000	32.3
155 2-Acetylaminofluorene	181	8.157	8.157	(0.970)	323693	40.0000	40.2
157 7,12Dimethylbenz(a)anthracene	256	9.280	9.280	(0.954)	374404	40.0000	41.2
158 3-Methylcholanthrene	268	10.051	10.051	(1.033)	390825	40.0000	41.8(QH)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: /chem/HSD4.i/s012108.b/s4a2104.d
 Date : 21-JAN-2008 14:33
 Client ID: APCVS
 Sample Info: IABNO71221-13.5140 PPH11SVHF11APCVS
 Column phase: 3M DB-5MS

Instrument: HSD4.i
 Operator: JHB3
 Column diameter: 0.20



Data File: /chem/MSD4.i/s012108.b/s4a2105.d
Report Date: 21-Jan-2008 15:58

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GEL Laboratories LLC

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSD4.i Injection Date: 21-JAN-2008 14:55
Lab File ID: s4a2105.d Init. Cal. Date(s): 04-DEC-2007 09-JAN-2008
Analysis Type: Init. Cal. Times: 13:26 01:04
Lab Sample ID: WBN071221-21.4 Quant Type: ISTD
Method: /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m

COMPOUND	RRF / AMOUNT	RF40	CCAL	MIN	MAX	CURVE TYPE
59 Tributylphosphate	1.45795	1.49466	1.49466	0.000	2.51822	Averaged
117 Triethylphosphorothioate	0.13919	0.13576	0.13576	0.000	-2.46519	Averaged
132 Thionazin	0.21680	0.21040	0.21040	0.000	-2.95118	Averaged
134 Sulfotepp	0.11409	0.09832	0.09832	0.000	-13.81872	Averaged
135 Phorate	0.43995	0.42601	0.42601	0.000	-3.16726	Averaged
139 Dimethoate	0.28292	0.28175	0.28175	0.000	-0.41200	Averaged
144 Disulfoton	0.37661	0.35638	0.35638	0.000	-5.37086	Averaged
145 Methyl parathion	0.21249	0.22281	0.22281	0.000	4.85792	Averaged
154 Famphur	0.39863	0.41973	0.41973	0.000	5.29358	Averaged
191 Parathion	0.07341	0.06925	0.06925	0.000	-5.66261	Averaged

Data File: /chem/MSD4.i/s012108.b/s4a2105.d
 Report Date: 21-Jan-2008 15:58

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GEL Laboratories LLC

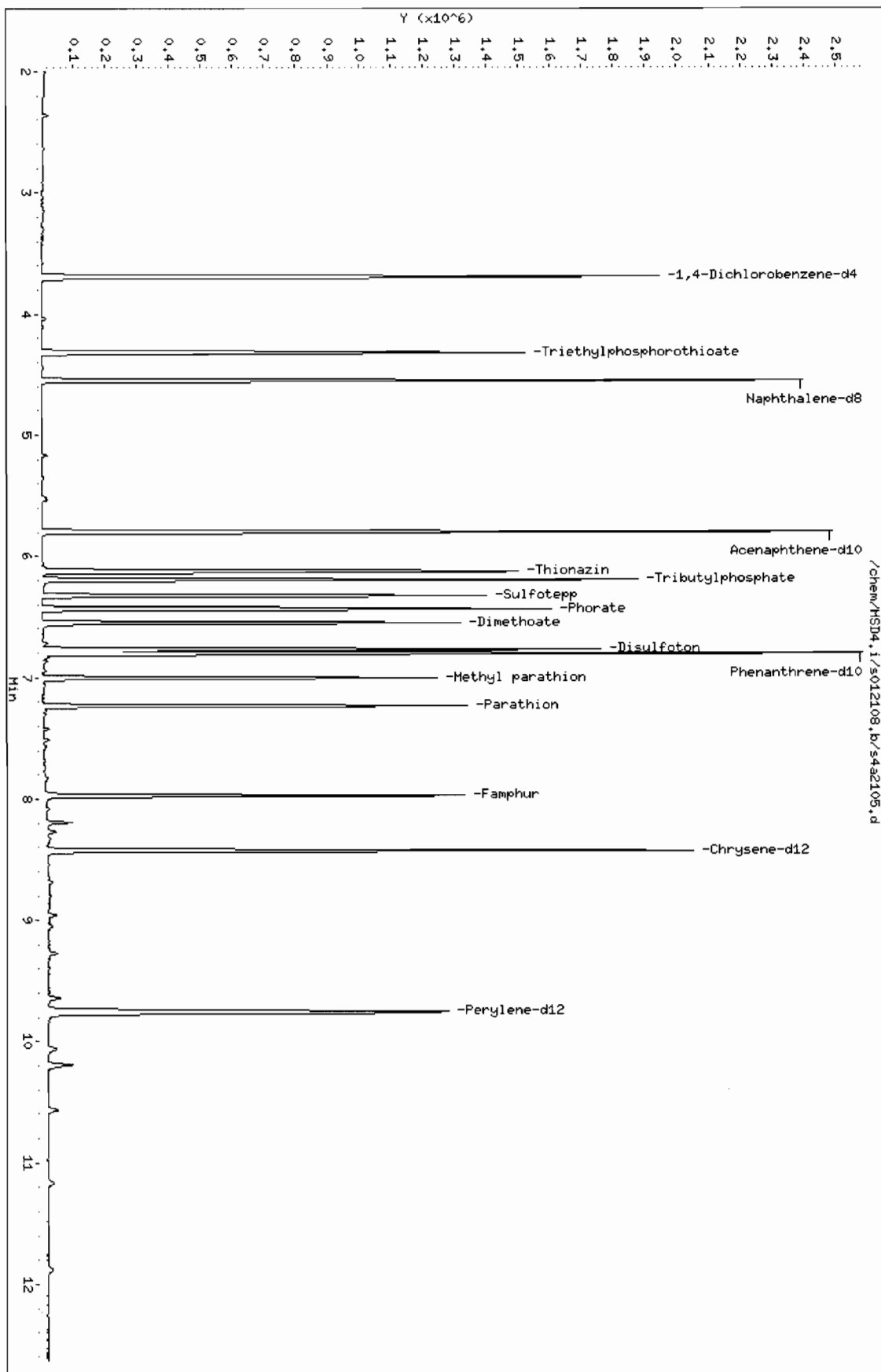
GEL Laboratories, LLC

Data file : /chem/MSD4.i/s012108.b/s4a2105.d
 Lab Smp Id: WBN071221-21.4 Client Smp ID: PESTCVS
 Inj Date : 21-JAN-2008 14:55
 Operator : JMB3 Inst ID: MSD4.i
 Smp Info : |WBN071221-21.4|40 PPM|1|SVMF|1|PESTCVS
 Misc Info : |MSD8270_LF|WBN080102-01|
 Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
 Method : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
 Meth Date : 21-Jan-2008 15:36 jos00786 Quant Type: ISTD
 Cal Date : 06-DEC-2007 16:18 Cal File: s410605.d
 Als bottle: 5 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: PEST.sub
 Target Version: 3.50

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
*****	=====	==	=====	=====	=====	=====	=====	=====
* 10 1,4-Dichlorobenzene-d4	152	3.693	3.693	(1.000)	318638	40.0000		
* 29 Naphthalene-d8	136	4.551	4.557	(1.000)	1282847	40.0000		
* 46 Acenaphthene-d10	164	5.798	5.804	(1.000)	658647	40.0000		
* 67 Phenanthrene-d10	188	6.804	6.804	(1.000)	1170577	40.0000		
* 91 Chrysene-d12	240	8.428	8.416	(1.000)	888155	40.0000		
* 98 Perylene-d12	264	9.751	9.728	(1.000)	638104	40.0000		
59 Tributylphosphate	99	6.192	6.192	(1.068)	984456	40.0000		41.0
117 Triethylphosphorothioate	198	4.316	4.316	(0.948)	174162	40.0000		39.0
132 Thionazin	107	6.122	6.122	(1.056)	138579	40.0000		38.8
134 Sulfotepp	322	6.328	6.328	(0.930)	115095	40.0000		34.5
135 Phorate	75	6.434	6.434	(0.946)	498681	40.0000		38.7
139 Dimethoate	87	6.551	6.551	(0.963)	329810	40.0000		39.8
144 Disulfoton	88	6.769	6.769	(0.995)	417172	40.0000		37.8
145 Methyl parathion	109	7.004	7.004	(1.029)	260820	40.0000		41.9
154 Famphur	218	7.969	7.969	(0.946)	372783	40.0000		42.1
191 Parathion	291	7.233	7.233	(1.063)	81063	40.0000		37.7

Data File: /chem/HSD4.i/s012108.b/s4a2105.d
 Date : 21-JAN-2008 14:55
 Client ID: PESTCVS
 Sample Info: IABN071221-21.4140 PPH11SVHF11PESTCVS
 Column Phase: 3&4 DB-SHS

Instrument: HSD4.i
 Operator: JHB3
 Column diameter: 0.20



QUALITY CONTROL DATA

Data File: /chem/MSD4.i/s010808.b/s4a0801.d

Page 1

Date : 08-JAN-2008 10:31

Client ID: DFTPP

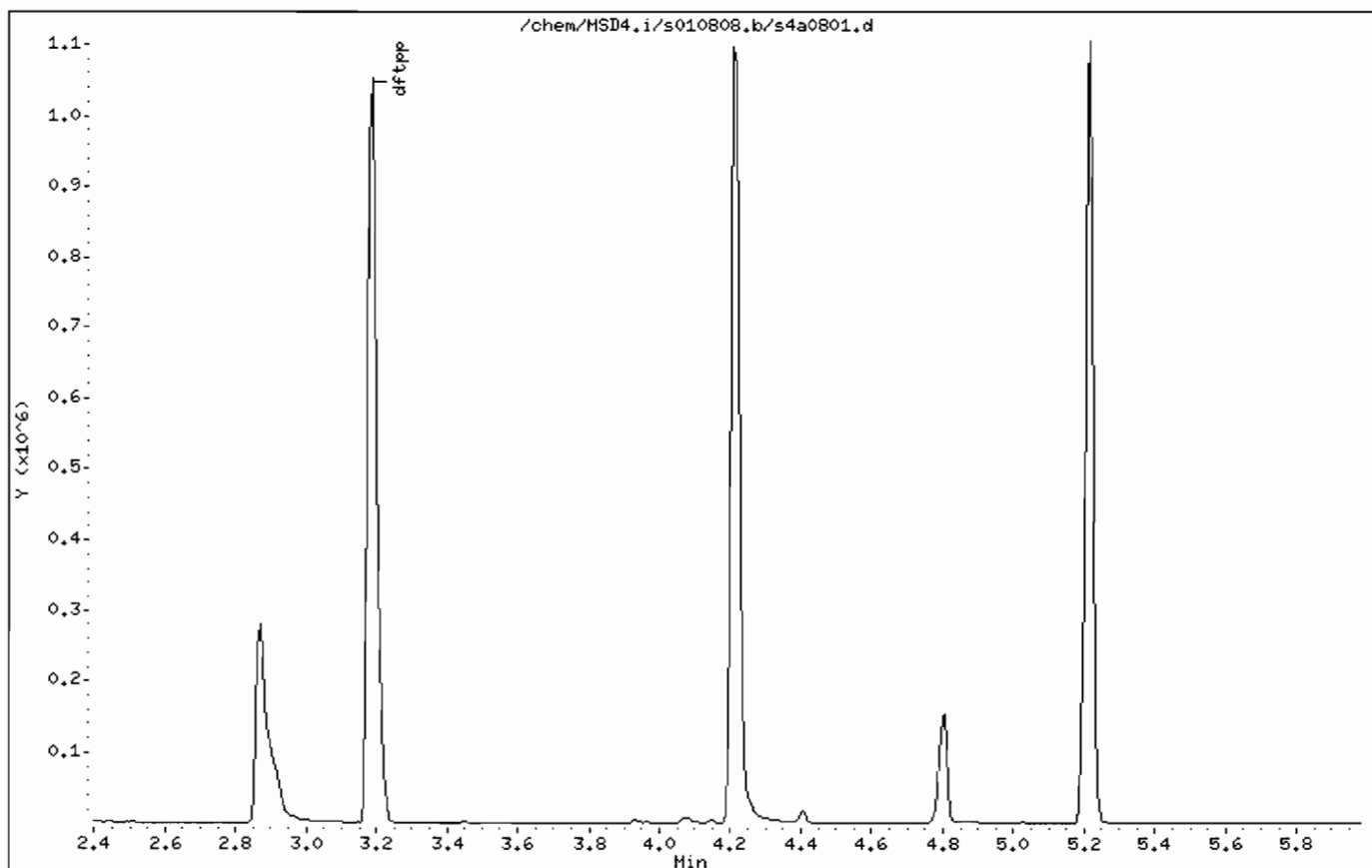
Instrument: MSD4.i

Sample Info: INBN071212-01|DFTPP|1|SVHF|1|DFTPP

Operator: JMB3

Column phase: Phenomenex ZB-5MS

Column diameter: 0.20



Data File: /chem/MSD4.i/s010808.b/s4a0801.d

Page 2

Date : 08-JAN-2008 10:31

Client ID: DFTPP

Instrument: MSD4.i

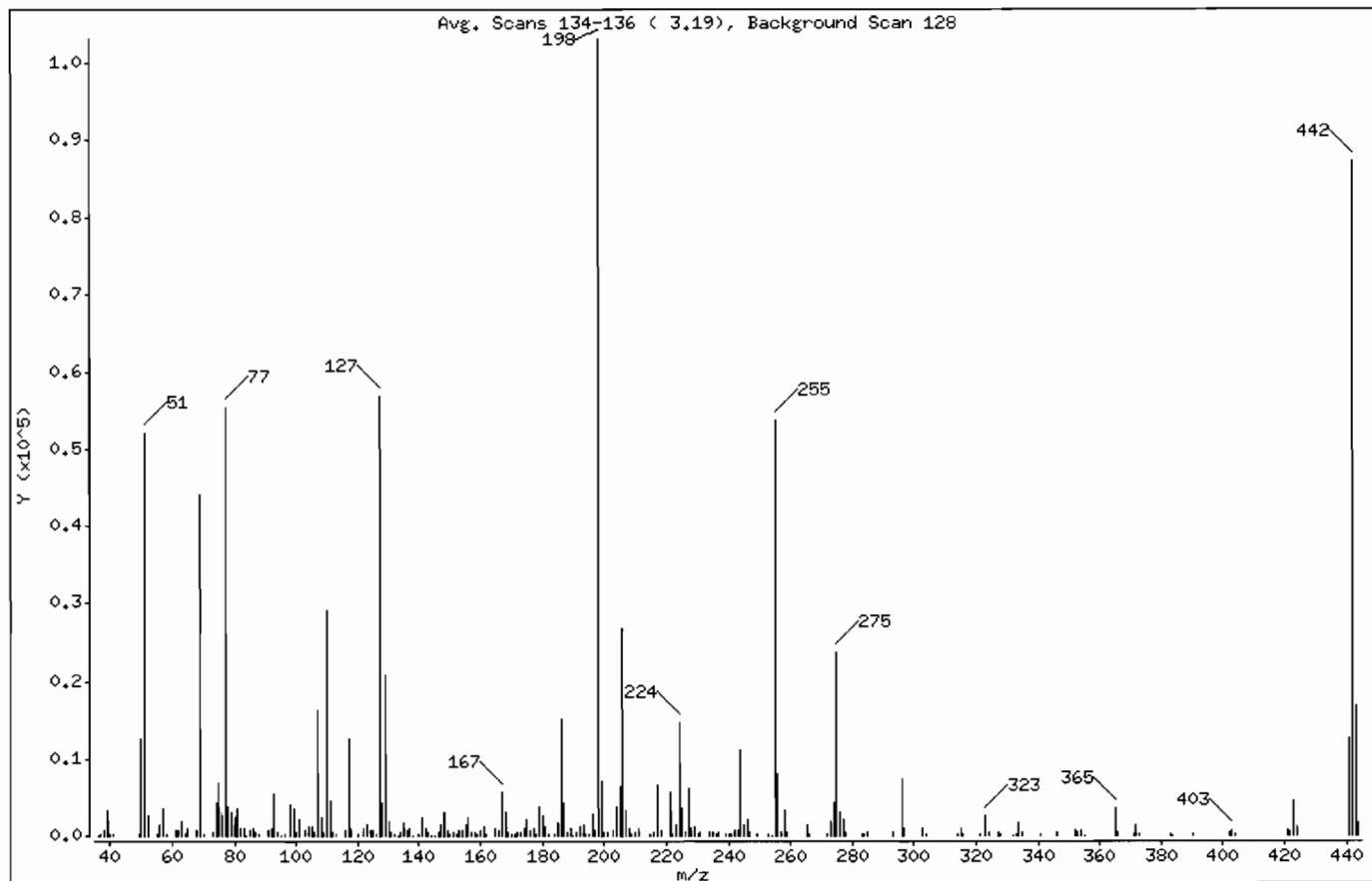
Sample Info: IWBNO71212-01IDFTPP11SVHF11IDFTPP

Operator: JMB3

Column phase: Phenomenex ZB-5MS

Column diameter: 0.20

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	50.60
68	Less than 2.00% of mass 69	0.61 (1.43)
69	Mass 69 relative abundance	42.76
70	Less than 2.00% of mass 69	0.26 (0.62)
127	40.00 - 60.00% of mass 198	55.12
197	Less than 1.00% of mass 198	0.57
199	5.00 - 9.00% of mass 198	6.81
275	10.00 - 30.00% of mass 198	23.06
365	Greater than 1.00% of mass 198	3.44
441	Present, but less than mass 443	12.13
442	Greater than 40.00% of mass 198	84.55
443	17.00 - 23.00% of mass 442	16.33 (19.32)

Data File: /chem/MSD4.i/s010808.b/s4a0801.d

Page 3

Date : 08-JAN-2008 10:31

Client ID: DFTPP

Instrument: MSD4.i

Sample Info: IWB071212-01/DFTPP11/SVMF11/DFTPP

Operator: JMB3

Column phase: Phenomenex ZB-5MS

Column diameter: 0.20

Data File: s4a0801.d

Spectrum: Avg. Scans 134-136 (3.19), Background Scan 128

Location of Maximum: 198.00

Number of points: 238

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	51	117.00	12485	182.00	190	256.00	8109
37.00	223	118.00	1019	184.00	317	257.00	578
38.00	608	120.00	214	185.00	1717	258.00	3215
39.00	3431	122.00	1055	186.00	15222	259.00	525
40.00	203	123.00	1436	187.00	4207	265.00	1352
41.00	194	124.00	717	188.00	450	266.00	130
49.00	153	125.00	728	189.00	876	272.00	176
50.00	12578	126.00	134	190.00	54	273.00	1800
51.00	52192	127.00	56864	191.00	447	274.00	4371
52.00	2567	128.00	4358	192.00	1203	275.00	23784
55.00	258	129.00	20904	193.00	1457	276.00	3108
56.00	1442	130.00	1860	194.00	294	277.00	2191
57.00	3468	131.00	394	195.00	195	278.00	372
58.00	120	132.00	254	196.00	2810	283.00	289
61.00	597	133.00	50	197.00	593	284.00	138
62.00	653	134.00	582	198.00	103152	285.00	410
63.00	1902	135.00	1686	199.00	7021	293.00	514
64.00	292	136.00	756	200.00	565	296.00	7447
65.00	1056	137.00	978	201.00	576	297.00	1020
68.00	631	138.00	117	203.00	742	303.00	879
69.00	44112	140.00	218	204.00	3723	304.00	183
70.00	272	141.00	2335	205.00	6394	314.00	334
73.00	410	142.00	842	206.00	26712	315.00	837
74.00	4298	143.00	573	207.00	3344	316.00	352
75.00	6947	144.00	50	208.00	890	321.00	230
76.00	2620	145.00	108	209.00	229	323.00	2565
77.00	55552	146.00	451	210.00	446	324.00	442
78.00	3831	147.00	1318	211.00	922	327.00	449
79.00	3070	148.00	3004	215.00	283	328.00	210
80.00	2374	149.00	672	216.00	537	332.00	60
81.00	3511	150.00	218	217.00	6683	333.00	208
82.00	960	151.00	364	218.00	767	334.00	1574
83.00	882	152.00	134	221.00	5664	335.00	356
84.00	53	153.00	822	222.00	307	341.00	232
85.00	676	154.00	654	223.00	1507	346.00	476

Data File: /chem/MSD4.i/s010808.b/s4a0801.d

Page 4

Date : 08-JAN-2008 10:31

Client ID: DFTPP

Instrument: MSD4.i

Sample Info: IWBNO71212-01|DFTPP|1|SVMF|1|DFTPP

Operator: JMB3

Column phase: Phenomenex ZB-5MS

Column diameter: 0.20

Data File: s4a0801.d

Spectrum: Avg. Scans 134-136 (3.19), Background Scan 128

Location of Maximum: 198.00

Number of points: 238

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	900	155.00	1428	224.00	14715	352.00	769
87.00	483	156.00	2379	225.00	3647	353.00	485
88.00	204	157.00	462	226.00	424	354.00	658
91.00	750	158.00	464	227.00	6123	355.00	58
92.00	832	159.00	355	228.00	832	365.00	3545
93.00	5367	160.00	714	229.00	1295	366.00	566
94.00	365	161.00	1201	230.00	204	371.00	164
95.00	110	162.00	317	231.00	466	372.00	1363
96.00	262	165.00	1000	234.00	362	373.00	335
98.00	4004	166.00	697	235.00	441	383.00	339
99.00	3651	167.00	5803	236.00	341	384.00	52
100.00	364	168.00	2969	237.00	485	390.00	120
101.00	2020	169.00	538	239.00	226	402.00	490
103.00	604	170.00	186	240.00	218	403.00	722
104.00	1190	171.00	240	241.00	350	404.00	235
105.00	1192	172.00	444	242.00	717	421.00	687
106.00	373	173.00	544	243.00	826	422.00	546
107.00	16350	174.00	1026	244.00	11139	423.00	4550
108.00	2358	175.00	2067	245.00	1419	424.00	1092
109.00	422	176.00	635	246.00	2216	441.00	12517
110.00	29168	177.00	989	247.00	363	442.00	87216
111.00	4427	178.00	276	249.00	337	443.00	16840
112.00	511	179.00	3694	253.00	209	444.00	1587
113.00	214	180.00	2634	254.00	93		
116.00	744	181.00	1215	255.00	53736		

Data File: /chem/MSD4.i/s010808.b/s4a0813.d

Page 1

Date : 08-JAN-2008 14:44

Client ID: DFTPP

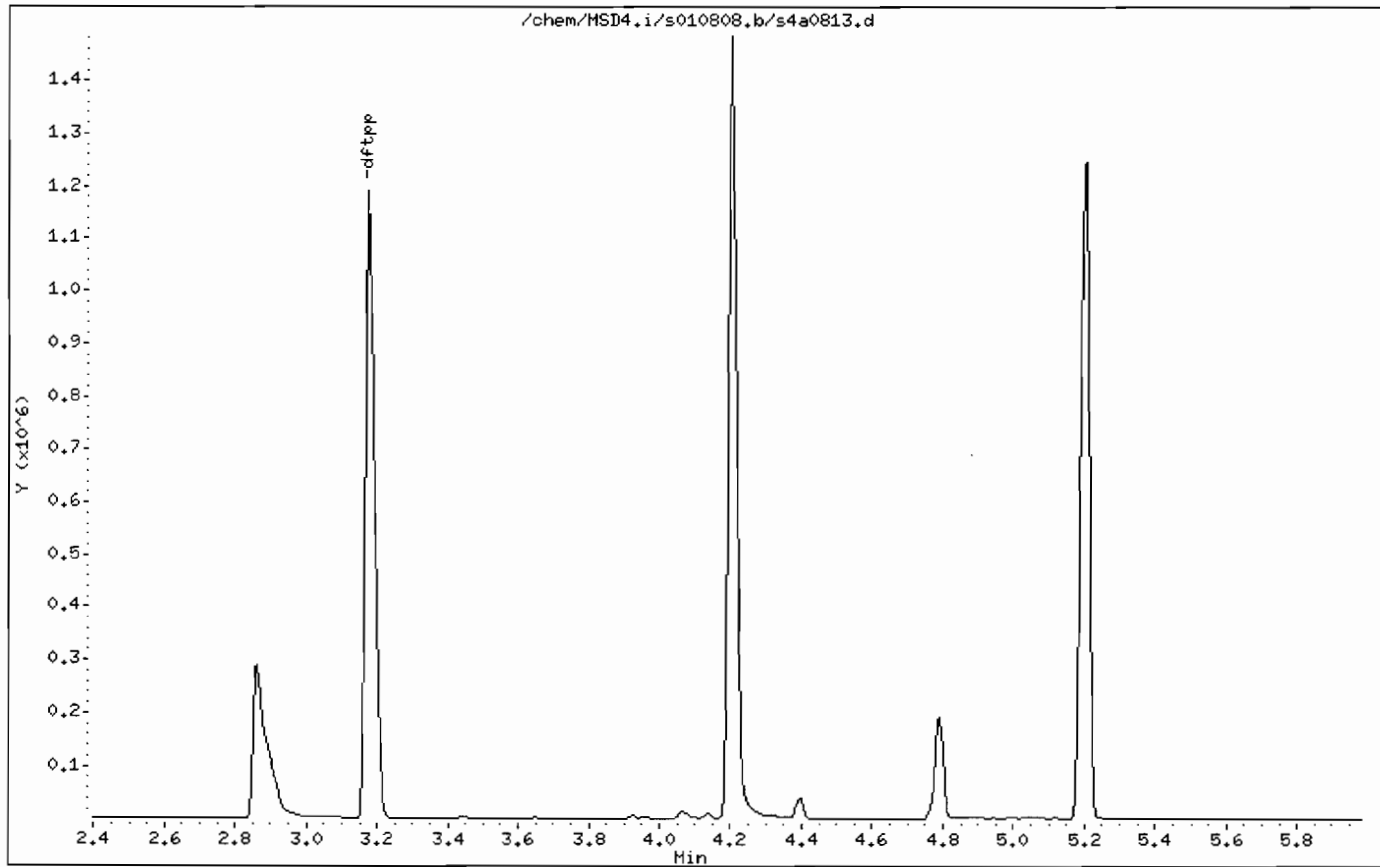
Instrument: MSD4.i

Sample Info: IWBNO71212-01|DFTPP|1|SVMF|1|DFTPP

Operator: JMB3

Column phase: Phenomenex ZB-5MS

Column diameter: 0.20



Data File: /chem/MSD4.i/s010908.b/s4a0813.d

Page 2

Date : 08-JAN-2008 14:44

Client ID: DFTPP

Instrument: MSD4.i

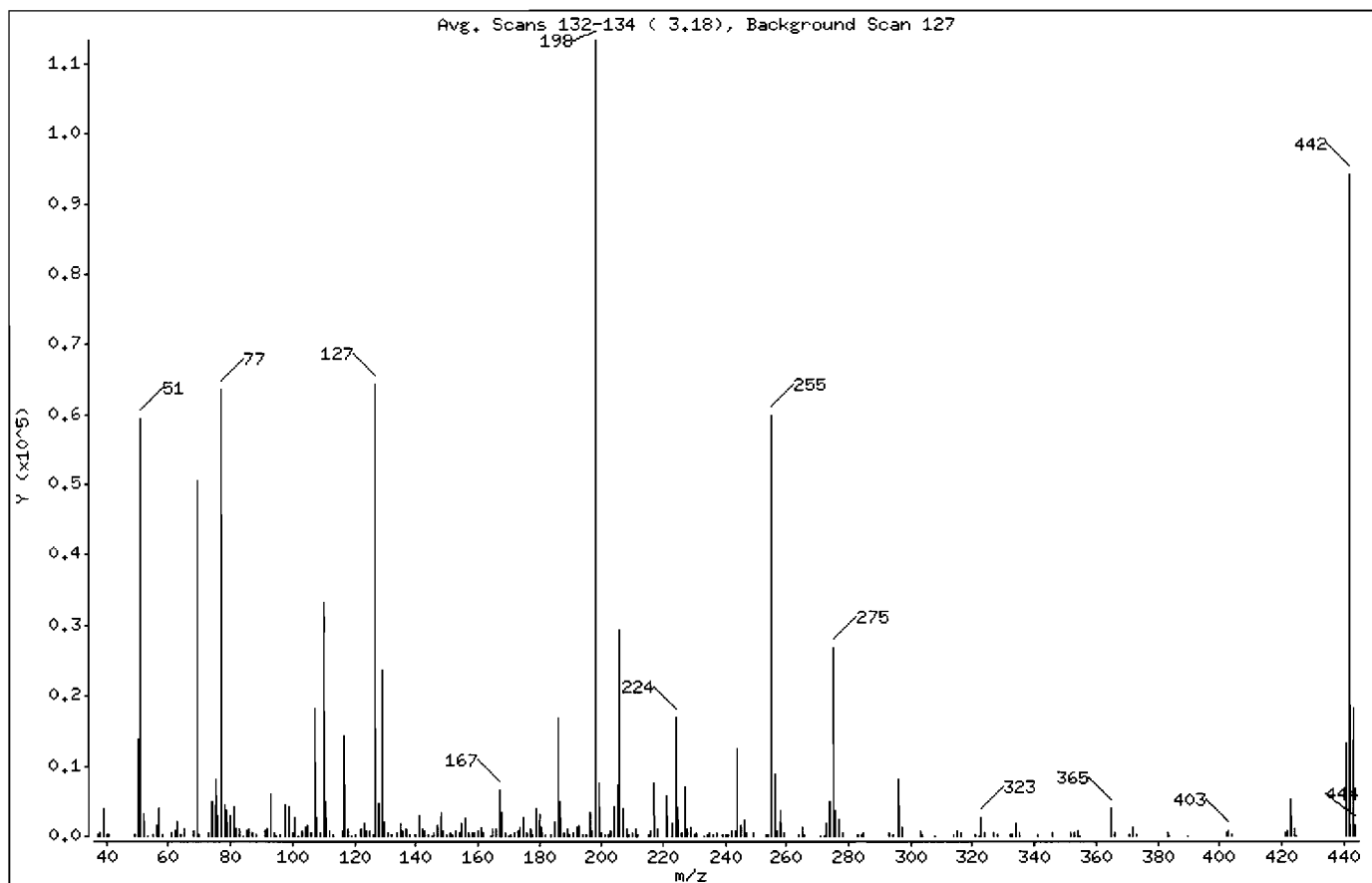
Sample Info: IWBNO71212-01|DFTPP|1|SVMF|1|DFTPP

Operator: JMB3

Column phase: Phenomenex ZB-5MS

Column diameter: 0.20

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	52.31
68	Less than 2.00% of mass 69	0.61 (1.37)
69	Mass 69 relative abundance	44.50
70	Less than 2.00% of mass 69	0.24 (0.54)
127	40.00 - 60.00% of mass 198	56.85
197	Less than 1.00% of mass 198	0.61
199	5.00 - 9.00% of mass 198	6.77
275	10.00 - 30.00% of mass 198	23.60
365	Greater than 1.00% of mass 198	3.49
441	Present, but less than mass 443	11.82
442	Greater than 40.00% of mass 198	82.88
443	17.00 - 23.00% of mass 442	16.08 (19.40)

Data File: /chem/MSD4.i/s010808.b/s4a0813.d

Page 3

Date : 08-JAN-2008 14:44

Client ID: DFTPP

Instrument: MSD4.i

Sample Info: IWBNO71212-01|DFTPP|1|SVHF|1|DFTPP

Operator: JMB3

Column phase: Phenomenex ZB-5MS

Column diameter: 0.20

Data File: s4a0813.d

Spectrum: Avg. Scans 132-134 (3.18), Background Scan 127

Location of Maximum: 198.00

Number of points: 248

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	213	119.00	109	187.00	4914	265.00	1389
38.00	638	120.00	222	188.00	588	266.00	150
39.00	3871	122.00	1164	189.00	1012	271.00	104
40.00	216	123.00	1752	190.00	132	272.00	116
41.00	213	124.00	809	191.00	466	273.00	1888
49.00	288	125.00	798	192.00	1317	274.00	5037
50.00	13884	126.00	196	193.00	1675	275.00	26744
51.00	59296	127.00	64432	194.00	375	276.00	3562
52.00	3028	128.00	4612	195.00	131	277.00	2332
53.00	51	129.00	23640	196.00	3335	278.00	411
55.00	313	130.00	2136	197.00	691	283.00	248
56.00	1566	131.00	473	198.00	113352	284.00	134
57.00	4021	132.00	246	199.00	7677	285.00	476
58.00	176	134.00	642	200.00	606	293.00	531
61.00	651	135.00	1810	201.00	370	294.00	188
62.00	797	136.00	784	202.00	142	296.00	8045
63.00	2109	137.00	1035	203.00	856	297.00	1215
64.00	303	138.00	214	204.00	4242	303.00	833
65.00	1091	140.00	264	205.00	7234	304.00	227
68.00	691	141.00	2877	206.00	29360	308.00	112
69.00	50440	142.00	1027	207.00	3806	314.00	379
70.00	274	143.00	689	208.00	1098	315.00	818
73.00	445	144.00	195	209.00	277	316.00	513
74.00	4866	145.00	52	210.00	489	321.00	270
75.00	8193	146.00	500	211.00	1115	322.00	113
76.00	2950	147.00	1473	212.00	230	323.00	2552
77.00	63544	148.00	3283	215.00	318	324.00	513
78.00	4481	149.00	725	216.00	688	327.00	448
79.00	3563	150.00	226	217.00	7575	328.00	273
80.00	2794	151.00	408	218.00	982	332.00	149
81.00	4085	152.00	267	221.00	5721	333.00	224
82.00	1058	153.00	821	223.00	1782	334.00	1723
83.00	1017	154.00	613	224.00	17024	335.00	420
84.00	47	155.00	1739	225.00	4202	341.00	241
85.00	653	156.00	2510	226.00	438	346.00	568

Data File: /chem/HSD4.i/s010808.b/s4a0813.d

Page 4

Date : 08-JAN-2008 14:44

Client ID: DFTPP

Instrument: HSD4.i

Sample Info: HWB071212-01|DFTPP|1|SVHF|1|DFTPP

Operator: JMB3

Column phase: Phenomenex ZB-5MS

Column diameter: 0.20

Data File: s4a0813.d

Spectrum: Avg. Scans 132-134 (3.18), Background Scan 127

Location of Maximum: 198.00

Number of points: 248

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	1107	157.00	528	227.00	7132	352.00	651
87.00	575	158.00	522	228.00	1034	353.00	456
88.00	245	159.00	450	229.00	1370	354.00	790
91.00	890	160.00	841	230.00	227	355.00	122
92.00	915	161.00	1346	231.00	519	365.00	3951
93.00	6034	162.00	427	233.00	51	366.00	623
94.00	453	164.00	119	234.00	372	371.00	156
95.00	119	165.00	1036	235.00	434	372.00	1423
96.00	368	166.00	946	236.00	359	373.00	328
98.00	4499	167.00	6534	237.00	557	383.00	456
99.00	4042	168.00	3509	239.00	289	384.00	106
100.00	415	169.00	567	240.00	199	390.00	58
101.00	2486	170.00	119	241.00	365	402.00	531
102.00	107	171.00	242	242.00	850	403.00	748
103.00	654	172.00	498	243.00	832	404.00	275
104.00	1280	173.00	688	244.00	12508	421.00	582
105.00	1499	174.00	1277	245.00	1613	422.00	705
106.00	472	175.00	2477	246.00	2455	423.00	5199
107.00	18336	176.00	640	247.00	482	424.00	1121
108.00	2714	177.00	1056	249.00	423	425.00	53
109.00	447	178.00	330	253.00	211	441.00	13398
110.00	33264	179.00	3941	254.00	230	442.00	93944
111.00	5013	180.00	3073	255.00	59936	443.00	18224
112.00	654	181.00	1358	256.00	8955	444.00	1609
113.00	209	182.00	215	257.00	694		
116.00	896	184.00	372	258.00	3582		
117.00	14299	185.00	2108	259.00	559		
118.00	1098	186.00	16952	264.00	201		

Data File: /chem/MSD4.i/s012108,b/s4a2101.d

Page 1

Date : 21-JAN-2008 13:39

Client ID: DFTPP

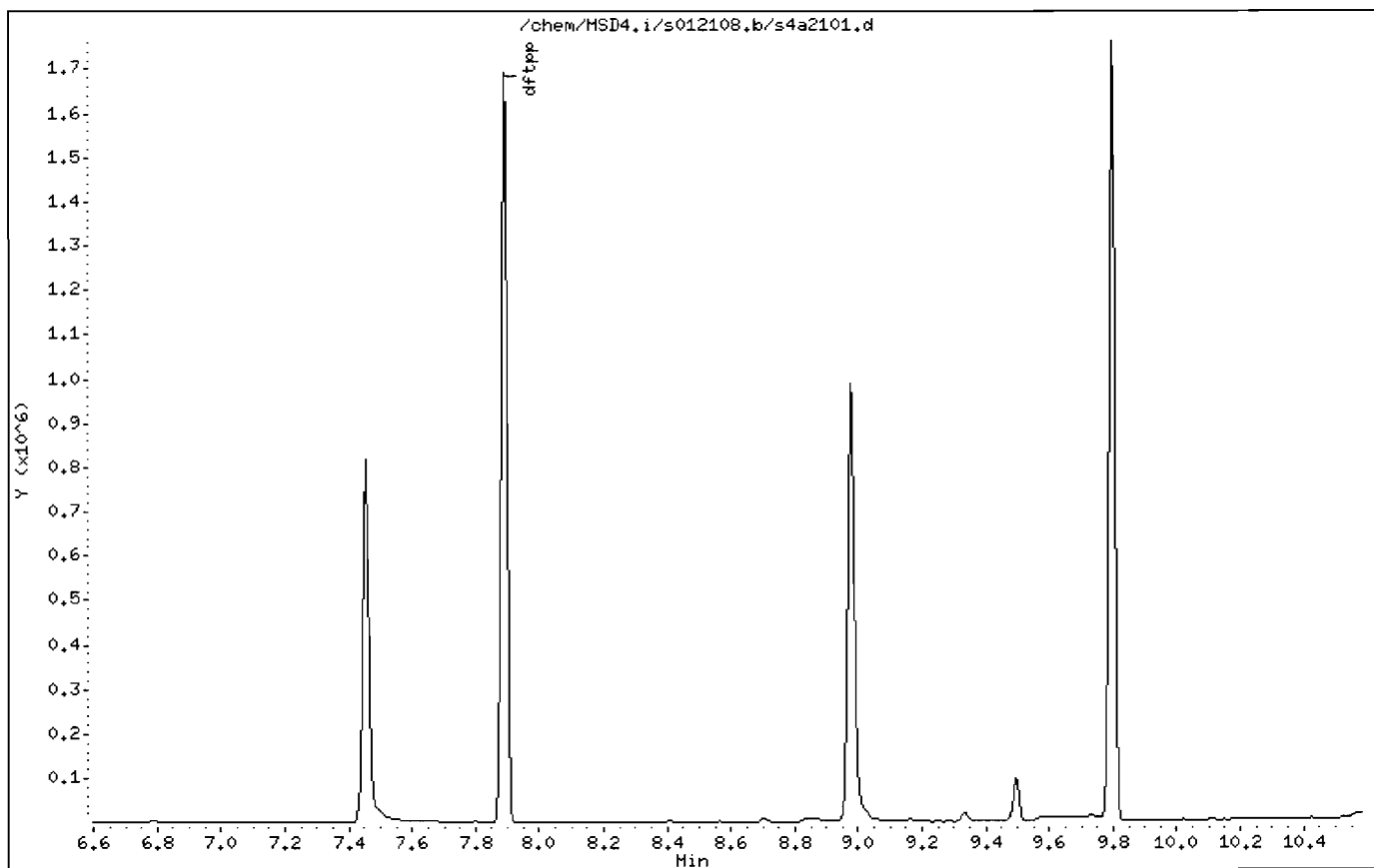
Instrument: MSD4.i

Sample Info: IWBNO80107-01|DFTPP|1|SVMF|1|DFTPP

Operator: JMB3

Column phase: Phenomenex ZB-5MS

Column diameter: 0.20



Data File: /chem/MSD4.i/s012108,b/s4a2101.d

Page 2

Date : 21-JAN-2008 13:39

Client ID: DFTPP

Instrument: MSD4.i

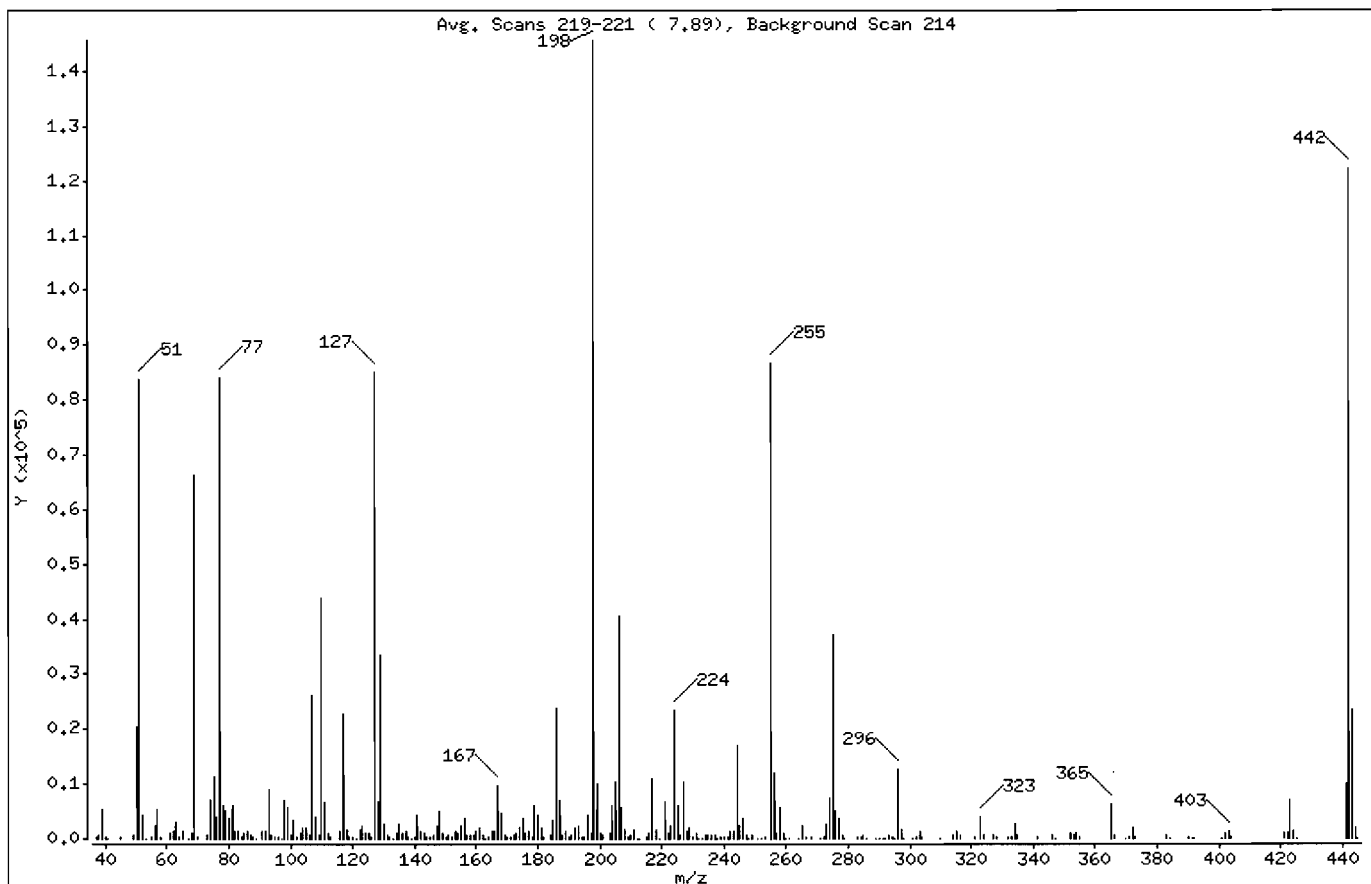
Sample Info: IWBNO80107-01|DFTPP|1|SVMF|1|DFTPP

Operator: JMB3

Column phase: Phenomenex ZB-5MS

Column diameter: 0.20

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	57.38
68	Less than 2.00% of mass 69	0.68 (1.49)
69	Mass 69 relative abundance	45.42
70	Less than 2.00% of mass 69	0.28 (0.61)
127	40.00 - 60.00% of mass 198	58.41
197	Less than 1.00% of mass 198	0.61
199	5.00 - 9.00% of mass 198	6.84
275	10.00 - 30.00% of mass 198	25.51
365	Greater than 1.00% of mass 198	4.41
441	Present, but less than mass 443	6.79
442	Greater than 40.00% of mass 198	83.88
443	17.00 - 23.00% of mass 442	16.05 (19.14)

Date : 21-JAN-2008 13:39

Client ID: DFTPP

Instrument: MSD4.i

Sample Info: IWBNO80107-01|DFTPP|1|SVMF|1|DFTPP

Operator: JMB3

Column phase: Phenomenex ZB-5MS

Column diameter: 0.20

Data File: s4a2101.d

Spectrum: Avg. Scans 219-221 (7.89), Background Scan 214

Location of Maximum: 198.00

Number of points: 280

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	276	123.00	2457	195.00	257	276.00	4998
38.00	714	124.00	996	196.00	4279	277.00	3782
39.00	5237	125.00	1129	197.00	884	278.00	517
40.00	393	126.00	316	198.00	145728	279.00	103
41.00	110	127.00	85136	199.00	9971	283.00	429
45.00	174	128.00	6536	200.00	901	284.00	295
49.00	605	129.00	33576	201.00	620	285.00	693
50.00	20320	130.00	2713	203.00	1165	286.00	107
51.00	83632	131.00	591	204.00	6089	289.00	116
52.00	4208	132.00	331	205.00	10436	290.00	117
53.00	144	133.00	112	206.00	40640	291.00	113
55.00	286	134.00	877	207.00	5528	292.00	147
56.00	2305	135.00	2685	208.00	1539	293.00	806
57.00	5300	136.00	1106	209.00	487	294.00	259
58.00	234	137.00	1363	210.00	642	295.00	99
61.00	972	138.00	290	211.00	1736	296.00	12747
62.00	1175	139.00	135	212.00	163	297.00	1745
63.00	3072	140.00	374	213.00	120	298.00	117
64.00	436	141.00	4252	215.00	479	301.00	120
65.00	1344	142.00	1365	216.00	970	302.00	177
67.00	104	143.00	924	217.00	11134	303.00	1479
68.00	984	144.00	260	218.00	1573	304.00	291
69.00	66208	145.00	214	219.00	119	310.00	134
70.00	405	146.00	763	221.00	6778	314.00	504
73.00	619	147.00	2242	222.00	1022	315.00	1441
74.00	7057	148.00	5081	223.00	2451	316.00	753
75.00	11274	149.00	1144	224.00	23368	321.00	361
76.00	4016	150.00	273	225.00	6036	323.00	4101
77.00	84240	151.00	524	226.00	603	324.00	743
78.00	5923	152.00	328	227.00	10415	327.00	740
79.00	4949	153.00	1310	228.00	1411	328.00	349
80.00	3838	154.00	995	229.00	2104	332.00	286
81.00	5872	155.00	2487	230.00	343	333.00	375
82.00	1376	156.00	3653	231.00	915	334.00	2566
83.00	1433	157.00	715	232.00	123	335.00	717

Data File: /chem/MSD4.i/s012108.b/s4a2101.d

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Date : 21-JAN-2008 13:39

Client ID: DFTPP

Instrument: MSD4.i

Sample Info: IWBNO80107-01|DFTPP|1|SVHF|1|DFTPP

Operator: JMB3

Column phase: Phenomenex ZB-5MS

Column diameter: 0.20

Data File: s4a2101.d

Spectrum: Avg. Scans 219-221 (7.89), Background Scan 214

Location of Maximum: 198.00

Number of points: 280

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	177	158.00	766	233.00	145	341.00	373
85.00	1009	159.00	570	234.00	654	346.00	817
86.00	1493	160.00	1378	235.00	670	347.00	118
87.00	741	161.00	2064	236.00	600	352.00	1118
88.00	257	162.00	512	237.00	801	353.00	756
89.00	113	163.00	130	238.00	109	354.00	1099
91.00	1240	164.00	202	239.00	448	355.00	179
92.00	1398	165.00	1461	240.00	278	365.00	6423
93.00	9192	166.00	1246	241.00	486	366.00	816
94.00	727	167.00	9632	242.00	1247	370.00	57
95.00	267	168.00	4814	243.00	1294	371.00	306
96.00	416	169.00	833	244.00	17240	372.00	1998
97.00	123	170.00	258	245.00	2210	373.00	424
98.00	6983	171.00	357	246.00	3781	383.00	597
99.00	5569	172.00	798	247.00	704	384.00	104
100.00	534	173.00	905	248.00	159	390.00	267
101.00	3242	174.00	1858	249.00	599	391.00	137
102.00	180	175.00	3614	251.00	108	392.00	116
103.00	972	176.00	856	252.00	130	401.00	61
104.00	2036	177.00	1482	253.00	398	402.00	928
105.00	2088	178.00	444	255.00	86616	403.00	1197
106.00	557	179.00	6068	256.00	12041	404.00	359
107.00	26176	180.00	4257	257.00	950	421.00	935
108.00	3930	181.00	1949	258.00	5838	422.00	931
109.00	772	182.00	329	259.00	914	423.00	7021
110.00	43808	184.00	504	260.00	108	424.00	1425
111.00	6859	185.00	3217	261.00	106	425.00	135
112.00	972	186.00	23768	264.00	103	441.00	9904
113.00	275	187.00	6876	265.00	2424	442.00	122264
116.00	1297	188.00	611	266.00	298	443.00	23392
117.00	22680	189.00	1441	268.00	173	444.00	2082
118.00	1624	190.00	246	271.00	141	445.00	117
119.00	265	191.00	713	272.00	293		
120.00	273	192.00	2084	273.00	2687		
121.00	55	193.00	2395	274.00	7219		

Data File: /chem/MSD4.i/s012108.b/s4a2101.d

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Date : 21-JAN-2008 13:39

Client ID: DFTPP

Instrument: MSD4.i

Sample Info: IWBNO80107-01|DFTPP|1|SVHF|1|DFTPP

Operator: JMB3

Column phase: Phenomenex ZB-5MS

Column diameter: 0.20

Data File: s4a2101.d

Spectrum: Avg. Scans 219-221 (7.89), Background Scan 214

Location of Maximum: 198.00

Number of points: 280

m/z	Y	m/z	Y	m/z	Y	m/z	Y
122.00	1647	194.00	369	275.00	37184		

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201226		Matrix: WATER	
Lab Sample ID: 1201499349			
Client Sample: QC for batch 719408	Client: CATL002	Project: QC	
Client ID: MB for batch 719408	Method: SW846 8270C	SOP Ref: GL-OA-E-009	
Batch ID: 719409	Inst: MSD4.I	Dilution: 1	
Run Date: 01/21/2008 18:27	Analyst: JMB3	Inj. Vol: .5 uL	
Prep Date: 01/21/2008 15:22	Aliquot: 1000 mL	Final Volume: 1 mL	
Data File: s4a2116-1.d	Column: J&W DB-5MS	Level: LOW	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
62-75-9	N-Methyl-N-nitrosomethylamine	U	10.0	ug/L	2.00	10.0
108-95-2	Phenol	U	10.0	ug/L	1.00	10.0
95-57-8	2-Chlorophenol	U	10.0	ug/L	2.00	10.0
106-46-7	1,4-Dichlorobenzene	U	10.0	ug/L	2.00	10.0
621-64-7	N-Nitrosodipropylamine	U	10.0	ug/L	2.00	10.0
59-50-7	4-Chloro-3-methylphenol	U	10.0	ug/L	2.00	10.0
83-32-9	Acenaphthene	U	1.00	ug/L	0.310	1.00
121-14-2	2,4-Dinitrotoluene	U	10.0	ug/L	2.00	10.0
100-02-7	4-Nitrophenol	U	10.0	ug/L	2.00	10.0
87-86-5	Pentachlorophenol	U	10.0	ug/L	2.00	10.0
129-00-0	Pyrene	U	1.00	ug/L	0.300	1.00
110-86-1	Pyridine	U	10.0	ug/L	1.00	10.0
62-53-3	Aniline	U	10.0	ug/L	2.50	10.0
111-44-4	bis(2-Chloroethyl) ether	U	10.0	ug/L	2.00	10.0
541-73-1	1,3-Dichlorobenzene	U	10.0	ug/L	2.00	10.0
100-51-6	Benzyl alcohol	U	10.0	ug/L	2.00	10.0
95-50-1	1,2-Dichlorobenzene	U	10.0	ug/L	2.00	10.0
108-60-1	bis(2-Chloroisopropyl)ether	U	10.0	ug/L	2.00	10.0
95-48-7	o-Cresol	U	10.0	ug/L	2.00	10.0
98-86-2	Acetophenone	U	10.0	ug/L	2.00	10.0
65794-96-9	m,p-Cresols	U	10.0	ug/L	3.00	10.0
67-72-1	Hexachloroethane	U	10.0	ug/L	2.00	10.0
98-95-3	Nitrobenzene	U	10.0	ug/L	3.00	10.0
78-59-1	Isophorone	U	10.0	ug/L	2.00	10.0
88-75-5	2-Nitrophenol	U	10.0	ug/L	2.00	10.0
105-67-9	2,4-Dimethylphenol	U	10.0	ug/L	2.00	10.0
111-91-1	bis(2-Chloroethoxy)methane	U	10.0	ug/L	3.00	10.0
120-83-2	2,4-Dichlorophenol	U	10.0	ug/L	2.00	10.0
65-85-0	Benzoic acid	U	20.0	ug/L	6.00	20.0
91-20-3	Naphthalene	U	1.00	ug/L	0.300	1.00
106-47-8	4-Chloroaniline	U	10.0	ug/L	2.00	10.0
87-68-3	Hexachlorobutadiene	U	10.0	ug/L	2.00	10.0
91-57-6	2-Methylnaphthalene	U	1.00	ug/L	0.300	1.00
90-12-0	1-Methylnaphthalene	U	1.00	ug/L	0.300	1.00
77-47-4	Hexachlorocyclopentadiene	U	10.0	ug/L	2.00	10.0
88-06-2	2,4,6-Trichlorophenol	U	10.0	ug/L	2.00	10.0
95-95-4	2,4,5-Trichlorophenol	U	10.0	ug/L	1.00	10.0
91-58-7	2-Chloronaphthalene	U	1.00	ug/L	0.350	1.00

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201226

Matrix: WATER

Lab Sample ID: 1201499349

Client Sample: QC for batch 719408

Client: CATL002

Project: QC

Client ID: MB for batch 719408

Method: SW846 8270C

SOP Ref: GL-OA-E-009

Batch ID: 719409

Inst: MSD4.I

Dilution: 1

Run Date: 01/21/2008 18:27

Analyst: JMB3

Inj. Vol: .5 uL

Prep Date: 01/21/2008 15:22

Aliquot: 1000 mL

Final Volume: 1 mL

Data File: s4a2116-1.d

Column: J&W DB-5MS

Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
88-74-4	o-Nitroaniline	U	10.0	ug/L	2.00	10.0
99-09-2	m-Nitroaniline	U	10.0	ug/L	2.00	10.0
131-11-3	Dimethylphthalate	U	10.0	ug/L	2.00	10.0
606-20-2	2,6-Dinitrotoluene	U	10.0	ug/L	2.00	10.0
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
51-28-5	2,4-Dinitrophenol	U	20.0	ug/L	10.0	20.0
132-64-9	Dibenzofuran	U	10.0	ug/L	2.00	10.0
84-66-2	Diethylphthalate	U	10.0	ug/L	2.00	10.0
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
7005-72-3	4-Chlorophenylphenylether	U	10.0	ug/L	2.00	10.0
534-52-1	2-Methyl-4,6-dinitrophenol	U	10.0	ug/L	3.00	10.0
100-01-6	p-Nitroaniline	U	10.0	ug/L	3.00	10.0
122-39-4	Diphenylamine	U	10.0	ug/L	3.00	10.0
122-66-7	1,2-Diphenylhydrazine	U	10.0	ug/L	2.00	10.0
126-73-8	Tributylphosphate	U	10.0	ug/L	2.00	10.0
101-55-3	4-Bromophenylphenylether	U	10.0	ug/L	2.00	10.0
118-74-1	Hexachlorobenzene	U	10.0	ug/L	2.00	10.0
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
84-74-2	Di-n-butylphthalate	U	10.0	ug/L	2.00	10.0
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
92-87-5	Benzidine	U	10.0	ug/L	2.00	10.0
85-68-7	Butylbenzylphthalate	U	10.0	ug/L	2.00	10.0
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
91-94-1	3,3'-Dichlorobenzidine	U	10.0	ug/L	1.00	10.0
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
117-81-7	bis(2-Ethylhexyl)phthalate	U	10.0	ug/L	2.00	10.0
117-84-0	Di-n-octylphthalate	U	10.0	ug/L	3.00	10.0
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00
86-74-8	Carbazole	U	1.00	ug/L	0.200	1.00
120-82-1	1,2,4-Trichlorobenzene	U	10.0	ug/L	2.00	10.0

Data File: /chem/MSD4.i/s012108.b/s4a2116-1.d
Report Date: 22-Jan-2008 10:13

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GEL Laboratories LLC

GEL Laboratories, LLC

Data file : /chem/MSD4.i/s012108.b/s4a2116-1.d
Lab Smp Id: 1201499349 Client Smp ID: SBLK01
Inj Date : 21-JAN-2008 18:27
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |1201499349|719409|1|SVM|1|MB
Misc Info : |MSD8270_L|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
Meth Date : 21-Jan-2008 15:36 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 16:18 Cal File: s410605.d
Als bottle: 16 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 201226.sub
Target Version: 3.50
Processing Host: hpc1p1

Concentration Formula: Amt * DF * Uf * Vt/(Vo *Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	500.00000	ng unit correction factor
Vt	1.00000	volume of final ext
Vo	1000.00000	volume of sample ext
Vi	0.50000	volume injected

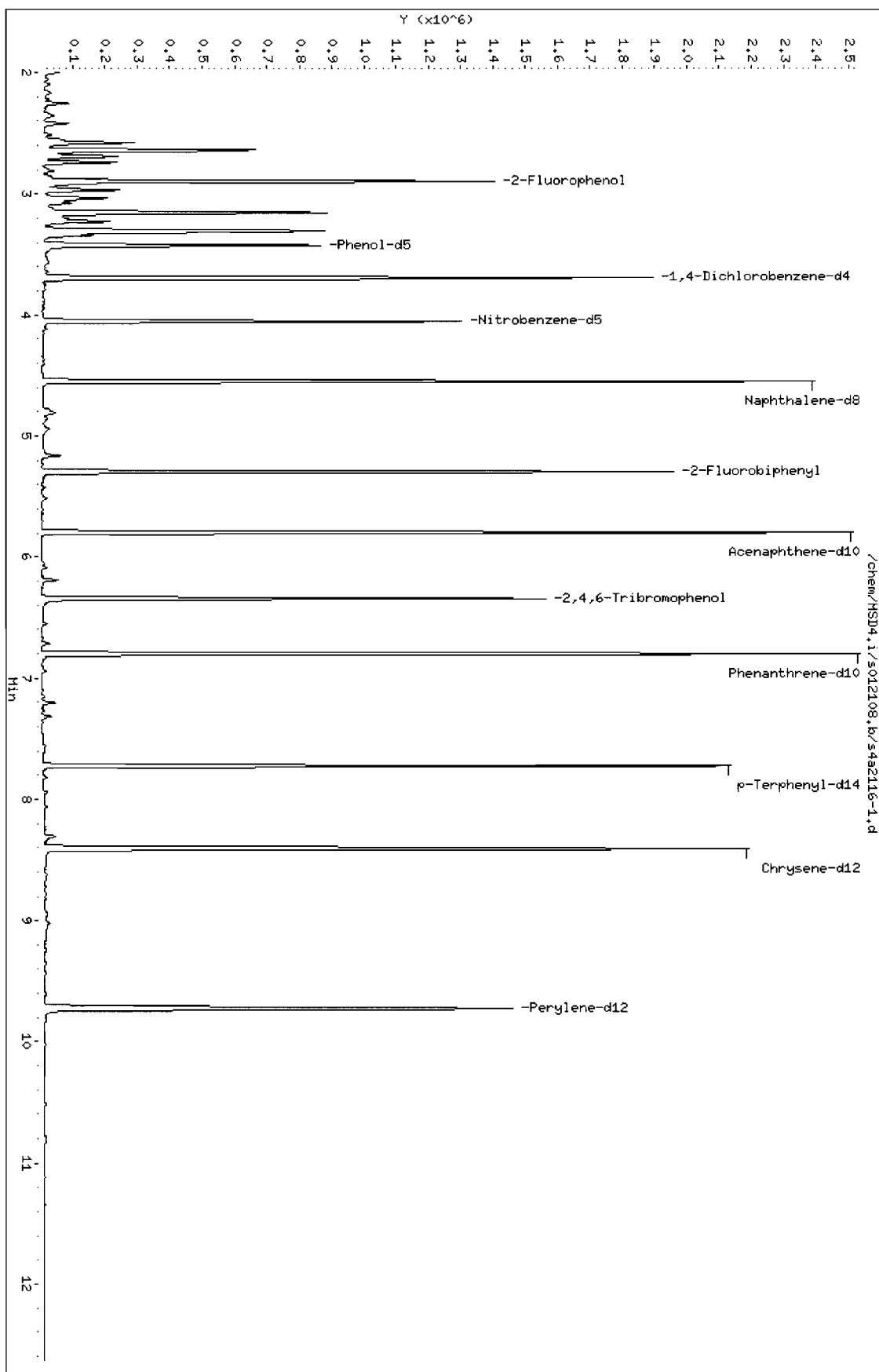
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ng/ul)	(ug/L)
* 10 1,4-Dichlorobenzene-d4	152	3.693	3.693	(1.000)		306255	40.0000	
* 29 Naphthalene-d8	136	4.551	4.557	(1.000)		1243628	40.0000	
* 46 Acenaphthene-d10	164	5.798	5.804	(1.000)		651199	40.0000	
* 67 Phenanthrene-d10	188	6.804	6.804	(1.000)		1173206	40.0000	
* 91 Chrysene-d12	240	8.410	8.416	(1.000)		988210	40.0000	
* 98 Perylene-d12	264	9.722	9.728	(1.000)		750522	40.0000	
\$ 3 2-Fluorophenol	112	2.893	2.899	(0.783)		447252	45.3530	45.4
\$ 5 Phenol-d5	99	3.422	3.428	(0.927)		361950	30.2025	30.2
\$ 20 Nitrobenzene-d5	82	4.051	4.057	(0.890)		475828	37.7342	37.7
\$ 39 2-Fluorobiphenyl	172	5.298	5.298	(0.914)		767122	42.3166	42.3
\$ 60 2,4,6-Tribromophenol	329	6.345	6.351	(1.094)		186785	82.5729	82.6
\$ 81 p-Terphenyl-d14	244	7.722	7.728	(0.918)		769878	35.3154	35.3

Data File: /chem/HSD4.i/s012108.b/s4a2116-1.d
Date : 21-JAN-2008 18:27
Client ID: SRLK01
Sample Info: 1120149349171940911SWH11HB
Volume Injected (uL): 0.5
Column phase: J&W DB-5MS

Instrument: MSD4.1
Operator: JMB3
Column diameter: 0.20

Page 1



**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201226		Matrix: WATER	
Lab Sample ID: 1201499350			
Client Sample: QC for batch 719408	Client: CATL002	Project: QC	
Client ID: LCS for batch 719408	Method: SW846 8270C	SOP Ref: GL-OA-E-009	
Batch ID: 719409	Inst: MSD4.I	Dilution: 1	
Run Date: 01/21/2008 18:46	Analyst: JMB3	Inj. Vol: .5 uL	
Prep Date: 01/21/2008 15:22	Aliquot: 1000 mL	Final Volume: 1 mL	
Data File: s4a2117-1.d	Column: J&W DB-5MS	Level: LOW	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
62-75-9	N-Methyl-N-nitrosomethylamine		20.3	ug/L	2.00	10.0
108-95-2	Phenol		16.9	ug/L	1.00	10.0
95-57-8	2-Chlorophenol		39.8	ug/L	2.00	10.0
106-46-7	1,4-Dichlorobenzene		41.0	ug/L	2.00	10.0
621-64-7	N-Nitrosodipropylamine		40.1	ug/L	2.00	10.0
59-50-7	4-Chloro-3-methylphenol		43.0	ug/L	2.00	10.0
83-32-9	Acenaphthene		41.7	ug/L	0.310	1.00
121-14-2	2,4-Dinitrotoluene		41.8	ug/L	2.00	10.0
100-02-7	4-Nitrophenol		12.4	ug/L	2.00	10.0
87-86-5	Pentachlorophenol		41.4	ug/L	2.00	10.0
129-00-0	Pyrene		36.3	ug/L	0.300	1.00
110-86-1	Pyridine		19.5	ug/L	1.00	10.0
62-53-3	Aniline		45.6	ug/L	2.50	10.0
111-44-4	bis(2-Chloroethyl) ether		40.1	ug/L	2.00	10.0
541-73-1	1,3-Dichlorobenzene		40.0	ug/L	2.00	10.0
100-51-6	Benzyl alcohol		30.2	ug/L	2.00	10.0
95-50-1	1,2-Dichlorobenzene		42.0	ug/L	2.00	10.0
108-60-1	bis(2-Chloroisopropyl)ether		44.1	ug/L	2.00	10.0
95-48-7	o-Cresol		36.4	ug/L	2.00	10.0
98-86-2	Acetophenone		43.8	ug/L	2.00	10.0
65794-96-9	m,p-Cresols		37.5	ug/L	3.00	10.0
67-72-1	Hexachloroethane		38.7	ug/L	2.00	10.0
98-95-3	Nitrobenzene		37.7	ug/L	3.00	10.0
78-59-1	Isophorone		42.2	ug/L	2.00	10.0
88-75-5	2-Nitrophenol		41.3	ug/L	2.00	10.0
105-67-9	2,4-Dimethylphenol		36.9	ug/L	2.00	10.0
111-91-1	bis(2-Chloroethoxy)methane		36.4	ug/L	3.00	10.0
120-83-2	2,4-Dichlorophenol		40.3	ug/L	2.00	10.0
65-85-0	Benzoic acid		31.3	ug/L	6.00	20.0
91-20-3	Naphthalene		31.5	ug/L	0.300	1.00
106-47-8	4-Chloroaniline		42.9	ug/L	2.00	10.0
87-68-3	Hexachlorobutadiene		38.1	ug/L	2.00	10.0
91-57-6	2-Methylnaphthalene		38.8	ug/L	0.300	1.00
90-12-0	1-Methylnaphthalene		35.0	ug/L	0.300	1.00
77-47-4	Hexachlorocyclopentadiene		32.6	ug/L	2.00	10.0
88-06-2	2,4,6-Trichlorophenol		40.4	ug/L	2.00	10.0
95-95-4	2,4,5-Trichlorophenol		45.0	ug/L	1.00	10.0
91-58-7	2-Chloronaphthalene		35.7	ug/L	0.350	1.00

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201226		Matrix: WATER	
Lab Sample ID: 1201499350			
Client Sample: QC for batch 719408	Client: CATL002	Project: QC	
Client ID: LCS for batch 719408	Method: SW846 8270C	SOP Ref: GL-OA-E-009	
Batch ID: 719409	Inst: MSD4.I	Dilution: 1	
Run Date: 01/21/2008 18:46	Analyst: JMB3	Inj. Vol: .5 uL	
Prep Date: 01/21/2008 15:22	Aliquot: 1000 mL	Final Volume: 1 mL	
Data File: s4a2117-1.d	Column: J&W DB-5MS	Level: LOW	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
88-74-4	o-Nitroaniline		44.8	ug/L	2.00	10.0
99-09-2	m-Nitroaniline		46.7	ug/L	2.00	10.0
131-11-3	Dimethylphthalate		41.4	ug/L	2.00	10.0
606-20-2	2,6-Dinitrotoluene		39.5	ug/L	2.00	10.0
208-96-8	Acenaphthylene		36.7	ug/L	0.200	1.00
51-28-5	2,4-Dinitrophenol		31.9	ug/L	10.0	20.0
132-64-9	Dibenzofuran		43.2	ug/L	2.00	10.0
84-66-2	Diethylphthalate		47.3	ug/L	2.00	10.0
86-73-7	Fluorene		44.0	ug/L	0.200	1.00
7005-72-3	4-Chlorophenylphenylether		41.9	ug/L	2.00	10.0
534-52-1	2-Methyl-4,6-dinitrophenol		40.9	ug/L	3.00	10.0
100-01-6	p-Nitroaniline		43.6	ug/L	3.00	10.0
122-39-4	Diphenylamine		42.4	ug/L	3.00	10.0
122-66-7	1,2-Diphenylhydrazine		41.2	ug/L	2.00	10.0
126-73-8	Tributylphosphate		43.7	ug/L	2.00	10.0
101-55-3	4-Bromophenylphenylether		37.0	ug/L	2.00	10.0
118-74-1	Hexachlorobenzene		37.6	ug/L	2.00	10.0
85-01-8	Phenanthrene		42.8	ug/L	0.200	1.00
120-12-7	Anthracene		40.8	ug/L	0.200	1.00
84-74-2	Di-n-butylphthalate		46.3	ug/L	2.00	10.0
206-44-0	Fluoranthene		41.9	ug/L	0.200	1.00
92-87-5	Benzidine		37.2	ug/L	2.00	10.0
85-68-7	Butylbenzylphthalate		41.0	ug/L	2.00	10.0
56-55-3	Benzo(a)anthracene		35.7	ug/L	0.200	1.00
91-94-1	3,3'-Dichlorobenzidine		34.8	ug/L	1.00	10.0
218-01-9	Chrysene		37.7	ug/L	0.200	1.00
117-81-7	bis(2-Ethylhexyl)phthalate		41.1	ug/L	2.00	10.0
117-84-0	Di-n-octylphthalate		42.6	ug/L	3.00	10.0
205-99-2	Benzo(b)fluoranthene		37.3	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene		42.1	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene		40.4	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene		43.7	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene		43.4	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene		44.0	ug/L	0.200	1.00
86-74-8	Carbazole		47.3	ug/L	0.200	1.00
120-82-1	1,2,4-Trichlorobenzene		39.8	ug/L	2.00	10.0

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Data file : /chem/MSD4.i/s012108.b/s4a2117-1.d
Lab Smp Id: 1201499350 Client Smp ID: SBLK01LCS
Inj Date : 21-JAN-2008 18:46
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |1201499350|719409|1|SVM|1|LCS
Misc Info : |MSD8270_L|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
Meth Date : 21-Jan-2008 15:36 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 16:18 Cal File: s410605.d
Als bottle: 17 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 201226.sub
Target Version: 3.50
Processing Host: hpc1p1

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	500.00000	ng unit correction factor
Vt	1.00000	volume of final ext
Vo	1000.00000	volume of sample ext
Vi	0.50000	volume injected

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
=====	=====	==	=====	=====	=====		(ng/ul)	(ug/L)
* 10 1,4-Dichlorobenzene-d4	152	3.693	3.693	(1.000)	295749		40.0000	
* 29 Naphthalene-d8	136	4.557	4.557	(1.000)	1241372		40.0000	
* 46 Acenaphthene-d10	164	5.804	5.804	(1.000)	674432		40.0000	
* 67 Phenanthrene-d10	188	6.804	6.804	(1.000)	1246857		40.0000	
* 91 Chrysene-d12	240	8.410	8.416	(1.000)	1004598		40.0000	
* 98 Perylene-d12	264	9.727	9.728	(1.000)	805328		40.0000	
\$ 3 2-Fluorophenol	112	2.893	2.899	(0.783)	462951		48.6126	48.6
\$ 5 Phenol-d5	99	3.428	3.428	(0.928)	354032		30.5912	30.6
\$ 20 Nitrobenzene-d5	82	4.057	4.057	(0.890)	495647		39.3773	39.4
\$ 39 2-Fluorobiphenyl	172	5.298	5.298	(0.913)	765855		40.3875	40.4
\$ 60 2,4,6-Tribromophenol	329	6.351	6.351	(1.094)	209334		89.3533	89.4
\$ 81 p-Terphenyl-d14	244	7.728	7.728	(0.919)	778561		35.1311	35.1
6 Phenol	94	3.434	3.434	(0.930)	209665		16.9143	16.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng/ul)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
8 2-Chlorophenol	128	3.563	3.563	(0.965)	368315	39.7542	39.8
11 1,4-Dichlorobenzene	146	3.704	3.704	(1.003)	375917	41.0406	41.0
17 N-Nitrosodipropylamine	70	3.934	3.940	(1.065)	317074	40.1190	40.1
28 1,2,4-Trichlorobenzene	180	4.504	4.510	(0.988)	326888	39.8320	39.8
33 4-Chloro-3-methylphenol	107	4.916	4.910	(1.079)	394178	43.0278	43.0
47 Acenaphthene	154	5.828	5.828	(1.004)	673284	41.6805	41.7
50 2,4-Dinitrotoluene	165	5.922	5.922	(1.020)	267853	41.8415	41.8
52 4-Nitrophenol	139	5.892	5.869	(1.015)	41365	12.4112	12.4(Q)
65 Pentachlorophenol	266	6.681	6.675	(0.982)	80443	41.4038	41.4
79 Pyrene	202	7.669	7.675	(0.912)	1250167	36.3355	36.3
2 Pyridine	79	2.228	2.234	(0.603)	192144	19.4510	19.4
4 Aniline	66	3.481	3.481	(0.943)	235480	45.5634	45.6(Q)
7 bis(2-Chloroethyl) ether	63	3.498	3.499	(0.947)	383979	40.1391	40.1(Q)
9 1,3-Dichlorobenzene	146	3.657	3.663	(0.990)	393587	40.0334	40.0
12 Benzyl alcohol	108	3.763	3.769	(1.019)	211921	30.2364	30.2
13 1,2-Dichlorobenzene	146	3.804	3.810	(1.030)	371613	41.9664	42.0
14 bis(2-Chloroisopropyl)ether	45	3.840	3.846	(1.040)	885566	44.1447	44.1
15 o-Cresol	107	3.822	3.822	(1.035)	278258	36.4334	36.4
16 Acetophenone	105	3.945	3.945	(1.068)	566976	43.7765	43.8
18 m,p-Cresols	107	3.922	3.928	(1.062)	390221	37.5125	37.5(Q)
19 Hexachloroethane	117	4.034	4.034	(1.092)	166908	38.6667	38.7
21 Nitrobenzene	77	4.069	4.069	(0.893)	462473	37.6540	37.6
22 Isophorone	82	4.222	4.222	(0.926)	937241	42.1995	42.2
23 2-Nitrophenol	139	4.281	4.281	(0.939)	185745	41.2656	41.3
24 2,4-Dimethylphenol	122	4.281	4.287	(0.939)	328176	36.9101	36.9
25 bis(2-Chloroethoxy)methane	93	4.345	4.351	(0.954)	491953	36.4007	36.4
26 2,4-Dichlorophenol	162	4.451	4.451	(0.977)	305332	40.2989	40.3
27 Benzoic acid	105	4.340	4.351	(0.952)	105741	31.2970	31.3(Q)
30 Naphthalene	128	4.569	4.569	(1.003)	1079838	31.4618	31.5
31 4-Chloroaniline	127	4.593	4.593	(1.008)	596833	42.8781	42.9
32 Hexachlorobutadiene	225	4.640	4.640	(1.018)	184166	38.0746	38.1
34 2-Methylnaphthalene	142	5.051	5.051	(1.108)	720908	38.7933	38.8
35 1-Methylnaphthalene	142	5.122	5.122	(1.124)	672725	35.0314	35.0
36 Hexachlorocyclopentadiene	237	5.151	5.151	(0.888)	78674	32.5708	32.6
37 2,4,6-Trichlorophenol	196	5.245	5.245	(0.904)	195158	40.4365	40.4
38 2,4,5-Trichlorophenol	196	5.275	5.275	(0.909)	257097	45.0164	45.0
40 2-Chloronaphthalene	162	5.404	5.404	(0.931)	685167	35.7041	35.7
42 o-Nitroaniline	65	5.463	5.463	(0.941)	293257	44.7620	44.8
41 m-Nitroaniline	138	5.757	5.757	(0.992)	219356	46.6852	46.7
43 Dimethylphthalate	163	5.575	5.575	(0.960)	865112	41.3638	41.4
44 2,6-Dinitrotoluene	165	5.628	5.628	(0.970)	204220	39.5175	39.5
45 Acenaphthylene	152	5.704	5.704	(0.983)	1188591	36.6961	36.7
48 2,4-Dinitrophenol	184	5.834	5.834	(1.005)	51478	31.9361	31.9(Q)
49 Dibenzofuran	168	5.945	5.945	(1.024)	984860	43.2189	43.2
51 Diethylphthalate	149	6.069	6.069	(1.046)	950709	47.3475	47.3
53 Fluorene	166	6.187	6.187	(1.066)	801066	43.9510	44.0
54 4-Chlorophenylphenylether	204	6.169	6.169	(1.063)	384443	41.8569	41.8

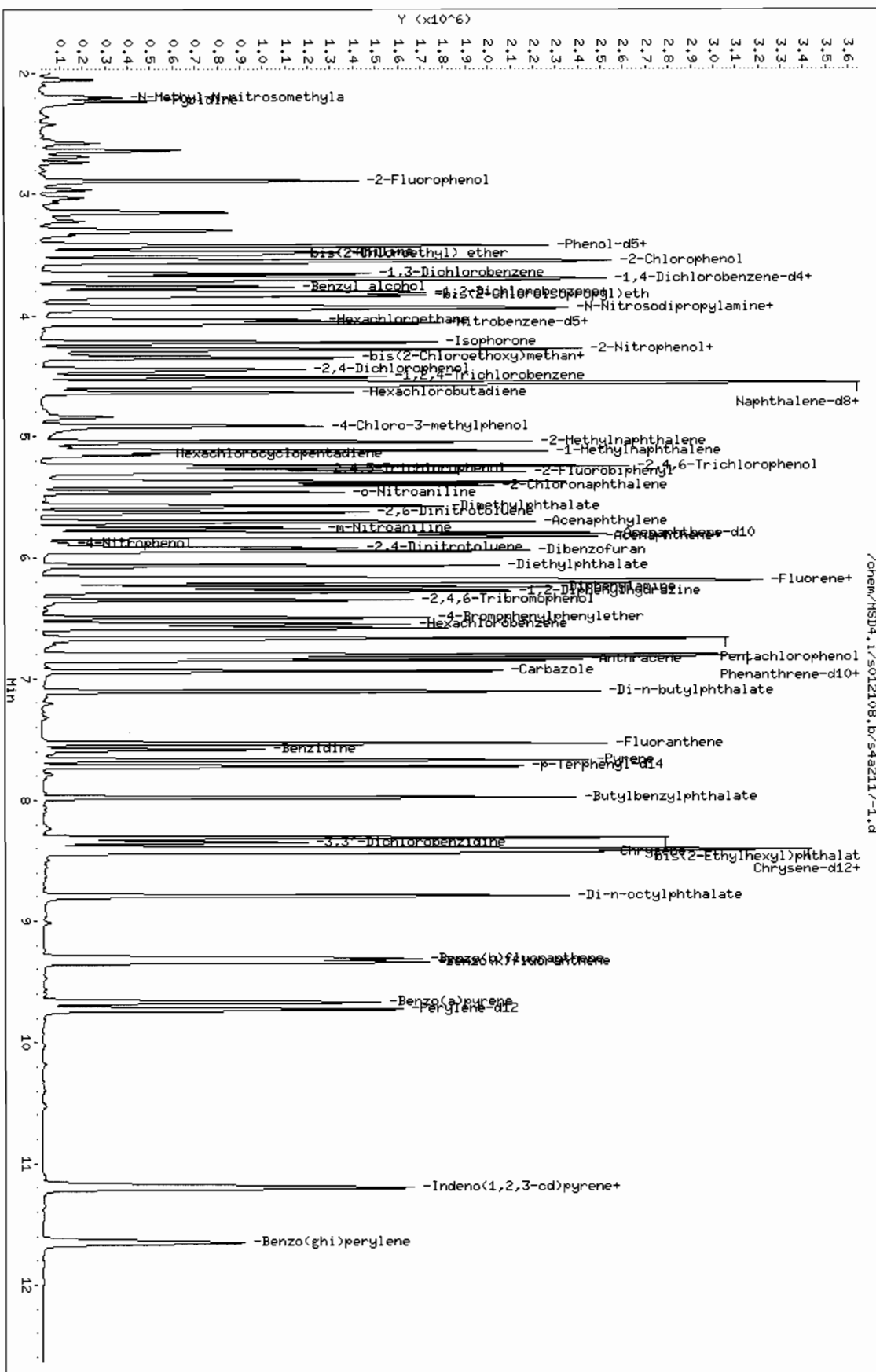
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng/ul)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
55 2-Methyl-4,6-dinitrophenol	198	6.210	6.204	(0.913)	120674	40.9199	40.9
56 p-Nitroaniline	138	6.192	6.187	(1.067)	185631	43.5980	43.6
133 Diphenylamine	169	6.245	6.245	(0.918)	710397	42.4289	42.4
58 1,2-Diphenylhydrazine	77	6.281	6.275	(0.923)	1069220	41.1935	41.2
59 Tributylphosphate	99	6.204	6.192	(1.069)	1073615	43.6745	43.7
61 4-Bromophenylphenylether	248	6.498	6.498	(0.955)	204926	37.0368	37.0
63 Hexachlorobenzene	284	6.551	6.551	(0.963)	228208	37.5559	37.6
68 Phenanthrene	178	6.822	6.822	(1.003)	1161645	42.8137	42.8
69 Anthracene	178	6.851	6.851	(1.007)	1116966	40.8306	40.8
72 Di-n-butylphthalate	149	7.110	7.110	(1.045)	1540773	46.3024	46.3
76 Fluoranthene	202	7.533	7.534	(1.107)	1224462	41.8591	41.8
77 Benzidine	184	7.586	7.586	(0.902)	463930	37.1794	37.2
85 Butylbenzylphthalate	149	7.975	7.981	(0.948)	649621	41.0371	41.0
89 Benzo(a)anthracene	228	8.398	8.404	(0.999)	1076369	35.7227	35.7
90 3,3'-Dichlorobenzidine	252	8.351	8.351	(0.993)	293627	34.7618	34.8
92 Chrysene	228	8.433	8.434	(1.003)	1098116	37.6823	37.7
93 bis(2-Ethylhexyl)phthalate	149	8.310	8.316	(0.988)	901426	41.1452	41.1
94 Di-n-octylphthalate	149	8.792	8.798	(0.904)	1471898	42.5505	42.6
95 Benzo(b)fluoranthene	252	9.310	9.310	(0.957)	1019597	37.2753	37.3
96 Benzo(k)fluoranthene	252	9.339	9.339	(0.960)	1086852	42.1003	42.1
97 Benzo(a)pyrene	252	9.669	9.669	(0.994)	910457	40.4208	40.4
99 Indeno(1,2,3-cd)pyrene	276	11.198	11.192	(1.151)	910793	43.7100	43.7
100 Dibenzo(a,h)anthracene	278	11.204	11.198	(1.152)	748192	43.3911	43.4
101 Benzo(ghi)perylene	276	11.651	11.651	(1.198)	785271	43.9539	44.0
173 Carbazole	167	6.939	6.939	(1.020)	1025044	47.3322	47.3
1 N-Methyl-N-nitrosomethylamine	74	2.199	2.204	(0.595)	152528	20.3118	20.3

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/HSD4.i/s012108.b/s4s2117-1.d
 Date: 21-JAN-2008 18:46
 Client ID: SRLK01LCS
 Sample Info: 1120149350171940911.S/H11.LCS
 Volume Injected (uL): 0.5
 Column phase: J&W DB-5HS

Instrument: HSD4.i
 Operator: JHB3
 Column diameter: 0.20



**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201226		Matrix: WATER
Lab Sample ID: 1201499353		
Client Sample: QC for batch 719408	Client: CATL002	Project: QC
Client ID: LCSD for batch 719408	Method: SW846 8270C	SOP Ref: GL-OA-E-009
Batch ID: 719409	Inst: MSD4.I	Dilution: 1
Run Date: 01/21/2008 19:05	Analyst: JMB3	Inj. Vol: .5 uL
Prep Date: 01/21/2008 15:22	Aliquot: 1000 mL	Final Volume: 1 mL
Data File: s4a2118-1.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
62-75-9	N-Methyl-N-nitrosomethylamine		20.6	ug/L	2.00	10.0
108-95-2	Phenol		16.3	ug/L	1.00	10.0
95-57-8	2-Chlorophenol		38.3	ug/L	2.00	10.0
106-46-7	1,4-Dichlorobenzene		35.5	ug/L	2.00	10.0
621-64-7	N-Nitrosodipropylamine		38.9	ug/L	2.00	10.0
59-50-7	4-Chloro-3-methylphenol		40.9	ug/L	2.00	10.0
83-32-9	Acenaphthene		40.1	ug/L	0.310	1.00
121-14-2	2,4-Dinitrotoluene		39.6	ug/L	2.00	10.0
100-02-7	4-Nitrophenol		11.5	ug/L	2.00	10.0
87-86-5	Pentachlorophenol		37.9	ug/L	2.00	10.0
129-00-0	Pyrene		39.4	ug/L	0.300	1.00
110-86-1	Pyridine		23.8	ug/L	1.00	10.0
62-53-3	Aniline		46.7	ug/L	2.50	10.0
111-44-4	bis(2-Chloroethyl) ether		38.5	ug/L	2.00	10.0
541-73-1	1,3-Dichlorobenzene		35.6	ug/L	2.00	10.0
100-51-6	Benzyl alcohol		29.2	ug/L	2.00	10.0
95-50-1	1,2-Dichlorobenzene		37.7	ug/L	2.00	10.0
108-60-1	bis(2-Chloroisopropyl)ether		41.5	ug/L	2.00	10.0
95-48-7	o-Cresol		35.3	ug/L	2.00	10.0
98-86-2	Acetophenone		42.0	ug/L	2.00	10.0
65794-96-9	m,p-Cresols		35.3	ug/L	3.00	10.0
67-72-1	Hexachloroethane		34.9	ug/L	2.00	10.0
98-95-3	Nitrobenzene		36.5	ug/L	3.00	10.0
78-59-1	Isophorone		40.3	ug/L	2.00	10.0
88-75-5	2-Nitrophenol		40.3	ug/L	2.00	10.0
105-67-9	2,4-Dimethylphenol		35.5	ug/L	2.00	10.0
111-91-1	bis(2-Chloroethoxy)methane		35.1	ug/L	3.00	10.0
120-83-2	2,4-Dichlorophenol		39.6	ug/L	2.00	10.0
65-85-0	Benzoic acid		28.1	ug/L	6.00	20.0
91-20-3	Naphthalene		30.3	ug/L	0.300	1.00
106-47-8	4-Chloroaniline		41.9	ug/L	2.00	10.0
87-68-3	Hexachlorobutadiene		35.6	ug/L	2.00	10.0
91-57-6	2-Methylnaphthalene		37.0	ug/L	0.300	1.00
90-12-0	1-Methylnaphthalene		33.9	ug/L	0.300	1.00
77-47-4	Hexachlorocyclopentadiene		32.0	ug/L	2.00	10.0
88-06-2	2,4,6-Trichlorophenol		39.3	ug/L	2.00	10.0
95-95-4	2,4,5-Trichlorophenol		42.9	ug/L	1.00	10.0
91-58-7	2-Chloronaphthalene		35.2	ug/L	0.350	1.00

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201226		Matrix: WATER
Lab Sample ID: 1201499353		
Client Sample: QC for batch 719408	Client: CATL002	Project: QC
Client ID: LCSD for batch 719408	Method: SW846 8270C	SOP Ref: GL-OA-E-009
Batch ID: 719409	Inst: MSD4.I	Dilution: 1
Run Date: 01/21/2008 19:05	Analyst: JMB3	Inj. Vol: .5 uL
Prep Date: 01/21/2008 15:22	Aliquot: 1000 mL	Final Volume: 1 mL
Data File: s4a2118-1.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
88-74-4	o-Nitroaniline		42.2	ug/L	2.00	10.0
99-09-2	m-Nitroaniline		44.1	ug/L	2.00	10.0
131-11-3	Dimethylphthalate		40.2	ug/L	2.00	10.0
606-20-2	2,6-Dinitrotoluene		37.7	ug/L	2.00	10.0
208-96-8	Acenaphthylene		35.7	ug/L	0.200	1.00
51-28-5	2,4-Dinitrophenol		26.3	ug/L	10.0	20.0
132-64-9	Dibenzofuran		41.6	ug/L	2.00	10.0
84-66-2	Diethylphthalate		44.7	ug/L	2.00	10.0
86-73-7	Fluorene		43.0	ug/L	0.200	1.00
7005-72-3	4-Chlorophenylphenylether		40.4	ug/L	2.00	10.0
534-52-1	2-Methyl-4,6-dinitrophenol		37.0	ug/L	3.00	10.0
100-01-6	p-Nitroaniline		40.3	ug/L	3.00	10.0
122-39-4	Diphenylamine		41.0	ug/L	3.00	10.0
122-66-7	1,2-Diphenylhydrazine		39.9	ug/L	2.00	10.0
126-73-8	Tributylphosphate		41.7	ug/L	2.00	10.0
101-55-3	4-Bromophenylphenylether		37.0	ug/L	2.00	10.0
118-74-1	Hexachlorohenzene		36.9	ug/L	2.00	10.0
85-01-8	Phenanthrene		38.6	ug/L	0.200	1.00
120-12-7	Anthracene		42.1	ug/L	0.200	1.00
84-74-2	Di-n-butylphthalate		43.6	ug/L	2.00	10.0
206-44-0	Fluoranthene		39.0	ug/L	0.200	1.00
92-87-5	Benzidine		51.4	ug/L	2.00	10.0
85-68-7	Butylbenzylphthalate		43.4	ug/L	2.00	10.0
56-55-3	Benzo(a)anthracene		35.3	ug/L	0.200	1.00
91-94-1	3,3'-Dichlorobenzidine		34.2	ug/L	1.00	10.0
218-01-9	Chrysene		36.6	ug/L	0.200	1.00
117-81-7	bis(2-Ethylhexyl)phthalate		40.9	ug/L	2.00	10.0
117-84-0	Di-n-octylphthalate		44.7	ug/L	3.00	10.0
205-99-2	Benzo(b)fluoranthene		39.0	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene		40.5	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene		39.9	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene		36.6	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene		36.2	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene		36.6	ug/L	0.200	1.00
86-74-8	Carbazole		45.1	ug/L	0.200	1.00
120-82-1	1,2,4-Trichlorobenzene		37.6	ug/L	2.00	10.0

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Data file : /chem/MSD4.i/s012108.b/s4a2118-1.d
Lab Smp Id: 1201499353 Client Smp ID: SBLK01LCSD
Inj Date : 21-JAN-2008 19:05
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |1201499353|719409|1|SVM|1|LCSD
Misc Info : |MSD8270_L|WBN080102-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s012108.b/MSD4-M8270C-010808.m
Meth Date : 21-Jan-2008 15:36 jos00786 Quant Type: ISTD
Cal Date : 06-DEC-2007 16:18 Cal File: s410605.d
Als bottle: 18 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 201226.sub
Target Version: 3.50
Processing Host: hpc1p1

Concentration Formula: Amt * DF * Uf * Vt/(Vo *Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	500.00000	ng unit correction factor
Vt	1.00000	volume of final ext
Vo	1000.00000	volume of sample ext
Vi	0.50000	volume injected

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
							(ng/ul)	(ug/L)
* 10 1,4-Dichlorobenzene-d4	152	3.693	3.693	(1.000)	283914		40.0000	
* 29 Naphthalene-d8	136	4.557	4.557	(1.000)	1176056		40.0000	
* 46 Acenaphthene-d10	164	5.798	5.804	(1.000)	621525		40.0000	
* 67 Phenanthrene-d10	188	6.804	6.804	(1.000)	1128839		40.0000	
* 91 Chrysene-d12	240	8.410	8.416	(1.000)	785791		40.0000	
* 98 Perylene-d12	264	9.728	9.728	(1.000)	562492		40.0000	
\$ 3 2-Fluorophenol	112	2.893	2.899	(0.783)	431996		47.2530	47.2
\$ 5 Phenol-d5	99	3.422	3.428	(0.927)	335801		30.2255	30.2
\$ 20 Nitrobenzene-d5	82	4.057	4.057	(0.890)	446832		37.4707	37.5
\$ 39 2-Fluorobiphenyl	172	5.298	5.298	(0.914)	694502		39.5633	39.6
\$ 60 2,4,6-Tribromophenol	329	6.351	6.351	(1.095)	178759		82.7978	82.8
\$ 81 p-Terphenyl-d14	244	7.728	7.728	(0.919)	652369		37.6338	37.6
6 Phenol	94	3.434	3.434	(0.930)	194232		16.3224	16.3

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng/ul)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
8 2-Chlorophenol	128	3.563	3.563	(0.965)	340512	38.2853	38.3
11 1,4-Dichlorobenzene	146	3.704	3.704	(1.003)	322438	35.5367	35.5
17 N-Nitrosodipropylamine	70	3.934	3.940	(1.065)	295031	38.8860	38.9
28 1,2,4-Trichlorobenzene	180	4.504	4.510	(0.988)	292402	37.6086	37.6
33 4-Chloro-3-methylphenol	107	4.916	4.910	(1.079)	354572	40.8540	40.8
47 Acenaphthene	154	5.828	5.828	(1.005)	599688	40.0527	40.0
50 2,4-Dinitrotoluene	165	5.916	5.922	(1.020)	233850	39.6395	39.6
52 4-Nitrophenol	139	5.881	5.869	(1.014)	35170	11.4507	11.4 (Q)
65 Pentachlorophenol	266	6.681	6.675	(0.982)	64926	37.8604	37.9
79 Pyrene	202	7.669	7.675	(0.912)	1061413	39.4397	39.4
2 Pyridine	79	2.228	2.234	(0.603)	225482	23.7774	23.8
4 Aniline	66	3.481	3.481	(0.943)	231475	46.6555	46.6 (Q)
7 bis(2-Chloroethyl) ether	63	3.499	3.499	(0.947)	353228	38.4638	38.5 (Q)
9 1,3-Dichlorobenzene	146	3.657	3.663	(0.990)	336463	35.6497	35.6
12 Benzyl alcohol	108	3.763	3.769	(1.019)	196565	29.2145	29.2
13 1,2-Dichlorobenzene	146	3.804	3.810	(1.030)	327323	37.6546	37.6
14 bis(2-Chloroisopropyl)ether	45	3.840	3.846	(1.040)	799260	41.5033	41.5
15 o-Cresol	107	3.822	3.822	(1.035)	258840	35.3037	35.3
16 Acetophenone	105	3.946	3.945	(1.068)	521797	41.9676	42.0
18 m,p-Cresols	107	3.922	3.928	(1.062)	352171	35.2660	35.3 (Q)
19 Hexachloroethane	117	4.034	4.034	(1.092)	144453	34.8597	34.8
21 Nitrobenzene	77	4.069	4.069	(0.893)	424523	36.4838	36.5
22 Isophorone	82	4.222	4.222	(0.926)	847666	40.2860	40.3
23 2-Nitrophenol	139	4.281	4.281	(0.939)	172653	40.2943	40.3
24 2,4-Dimethylphenol	122	4.281	4.287	(0.939)	299331	35.5356	35.5
25 bis(2-Chloroethoxy)methane	93	4.346	4.351	(0.954)	449690	35.1215	35.1
26 2,4-Dichlorophenol	162	4.446	4.451	(0.975)	283994	39.5643	39.6
27 Benzoic acid	105	4.334	4.351	(0.951)	79164	28.0592	28.0 (Q)
30 Naphthalene	128	4.569	4.569	(1.003)	985014	30.2929	30.3
31 4-Chloroaniline	127	4.593	4.593	(1.008)	552685	41.9116	41.9
32 Hexachlorobutadiene	225	4.634	4.640	(1.017)	163274	35.6301	35.6
34 2-Methylnaphthalene	142	5.051	5.051	(1.108)	651956	37.0313	37.0
35 1-Methylnaphthalene	142	5.122	5.122	(1.124)	616222	33.8713	33.9
36 Hexachlorocyclopentadiene	237	5.151	5.151	(0.888)	71100	31.9507	32.0
37 2,4,6-Trichlorophenol	196	5.240	5.245	(0.904)	174783	39.2976	39.3
38 2,4,5-Trichlorophenol	196	5.275	5.275	(0.910)	225923	42.9254	42.9
40 2-Chloronaphthalene	162	5.404	5.404	(0.932)	623378	35.2495	35.2
42 o-Nitroaniline	65	5.463	5.463	(0.942)	254596	42.1689	42.2
41 m-Nitroaniline	138	5.757	5.757	(0.993)	190912	44.0902	44.1
43 Dimethylphthalate	163	5.575	5.575	(0.961)	775378	40.2291	40.2
44 2,6-Dinitrotoluene	165	5.628	5.628	(0.971)	179635	37.7192	37.7
45 Acenaphthylene	152	5.704	5.704	(0.984)	1065965	35.7116	35.7
48 2,4-Dinitrophenol	184	5.834	5.834	(1.006)	39133	26.3441	26.3 (Q)
49 Dibenzofuran	168	5.945	5.945	(1.025)	881609	41.6336	41.6
51 Diethylphthalate	149	6.069	6.069	(1.047)	836645	44.7386	44.7
53 Fluorene	166	6.187	6.187	(1.067)	723882	42.9719	43.0
54 4-Chlorophenylphenylether	204	6.169	6.169	(1.064)	343984	40.4319	40.4

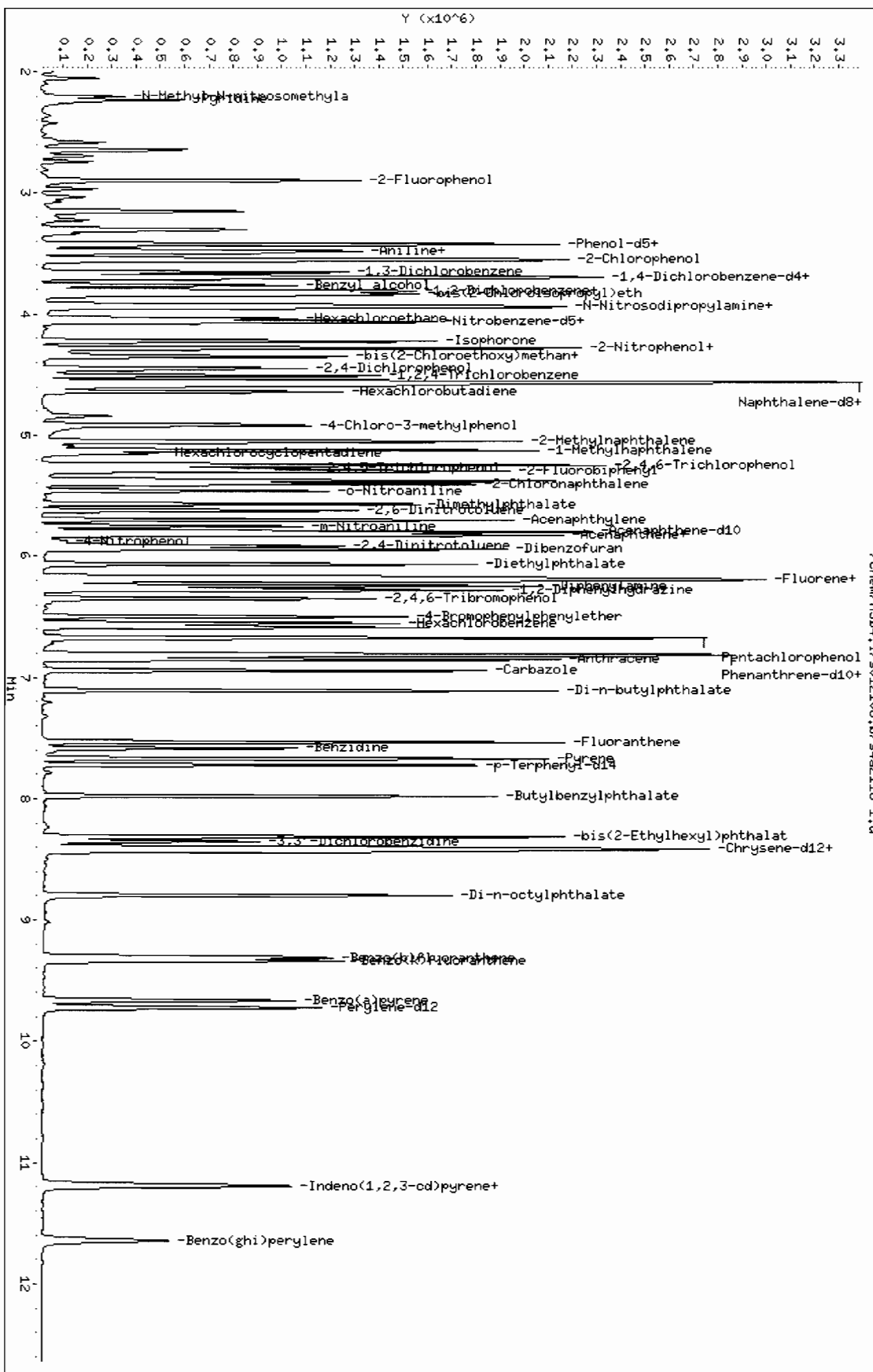
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng/ul)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
55 2-Methyl-4,6-dinitrophenol	198	6.210	6.204	(0.913)	98719	36.9748	37.0
56 p-Nitroaniline	138	6.192	6.187	(1.068)	158258	40.3331	40.3
133 Diphenylamine	169	6.245	6.245	(0.918)	625547	41.0341	41.0
58 1,2-Diphenylhydrazine	77	6.275	6.275	(0.922)	938500	39.9375	39.9
59 Tributylphosphate	99	6.198	6.192	(1.069)	945259	41.7263	41.7
61 4-Bromophenylphenylether	248	6.498	6.498	(0.955)	185302	36.9915	37.0
63 Hexachlorobenzene	284	6.551	6.551	(0.963)	203194	36.9355	36.9
68 Phenanthrene	178	6.822	6.822	(1.003)	958100	38.5711	38.6
69 Anthracene	178	6.851	6.851	(1.007)	1039390	42.1225	42.1
72 Di-n-butylphthalate	149	7.110	7.110	(1.045)	1328149	43.5709	43.6
76 Fluoranthene	202	7.534	7.534	(1.107)	1031783	38.9599	39.0
77 Benzidine	184	7.587	7.586	(0.902)	501384	51.3696	51.4
85 Butylbenzylphthalate	149	7.981	7.981	(0.949)	537837	43.4362	43.4
89 Benzo(a)anthracene	228	8.404	8.404	(0.999)	832484	35.3219	35.3
90 3,3'-Dichlorobenzidine	252	8.351	8.351	(0.993)	225774	34.1716	34.2
92 Chrysene	228	8.434	8.434	(1.003)	834513	36.6107	36.6
93 bis(2-Ethylhexyl)phthalate	149	8.310	8.316	(0.988)	700037	40.8503	40.8
94 Di-n-octylphthalate	149	8.792	8.798	(0.904)	1080553	44.7228	44.7
95 Benzo(b)fluoranthene	252	9.310	9.310	(0.957)	744898	38.9894	39.0
96 Benzo(k)fluoranthene	252	9.333	9.339	(0.959)	731034	40.5424	40.5
97 Benzo(a)pyrene	252	9.663	9.669	(0.993)	627638	39.8944	39.9
99 Indeno(1,2,3-cd)pyrene	276	11.186	11.192	(1.150)	532096	36.5601	36.6
100 Dibenzo(a,h)anthracene	278	11.192	11.198	(1.151)	435726	36.1790	36.2
101 Benzo(ghi)perylene	276	11.645	11.651	(1.197)	457062	36.6277	36.6
173 Carbazole	167	6.940	6.939	(1.020)	888635	45.1362	45.1
1 N-Methyl-N-nitrosomethylamine	74	2.199	2.204	(0.595)	148451	20.5929	20.6

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/HSD4.i/s012108.b/s4a2118-1.d
 Date: 21-JAN-2008 19:05
 Client ID: SBLK01LCSD
 Sample Info: 1120149363171940911.SVH1.LCSD
 Volume Injected (uL): 0.5
 Column Phase: J&W DB-5MS

Instrument: HSD4.i
 Operator: JMB3
 Column diameter: 0.20



MISCELLANEOUS DATA

GEL ORGANIC RUN LOG

INSTRUMENT ID: MSD4

DATE: 01/08/08

METHOD: 8270,625

OPERATOR: JMB3

REVIEWED BY:

DATE: _____

HARDWARE CONFIGURATION & METHOD SUMMARY: No.1 on pg. 1

Multiplier Voltage: 1235 Emv Extr. Injection Volume: 0.5, 1.0 ul SOLVENT REF MAT:713821-D

DFTPP Solution ID: WBN071212-01 Internal Std ID: WBN080102-01 SOP: GL-OA-E-009 Rev. 19

Sequence Number: s010808.b Initial Calibration Date(s): See Calibration History

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
s4a0801.d	WBN071212-01	JMB3	08-JAN-2008 10:31		s010808	1.0	Tune: MEGA	
s4a0802.d	INSTBLANK	JMB3	08-JAN-2008 10:42	-----	s010808	1.0 INSTBLANK		
s4a0803-MDL.d	WBN080107-10	JMB3	08-JAN-2008 11:04	1 PPM	s010808	1.0 MEGA001	MEGA ICAL for new MDL values	
s4a0803.d	WBN080107-10	JMB3	08-JAN-2008 11:04	1 PPM	s010808	1.0 MEGA001		
s4a0804-MDL.d	WBN080107-08	JMB3	08-JAN-2008 11:26	10 PPM	s010808	1.0 MEGA010	MEGA ICAL for new MDL values	
s4a0804.d	WBN080107-08	JMB3	08-JAN-2008 11:26	10 PPM	s010808	1.0 MEGA010		
s4a0805-MDL.d	WBN080107-07	JMB3	08-JAN-2008 11:49	20 PPM	s010808	1.0 MEGA020	MEGA ICAL for new MDL values	
s4a0805.d	WBN080107-07	JMB3	08-JAN-2008 11:49	20 PPM	s010808	1.0 MEGA020		
s4a0806-MDL.d	WBN080107-06.1	JMB3	08-JAN-2008 12:11	40 PPM	s010808	1.0 MEGA040	MEGA ICAL for new MDL values	
s4a0806.d	WBN080107-06.1	JMB3	08-JAN-2008 12:11	40 PPM	s010808	1.0 MEGA040		
s4a0807-MDL.d	WBN080107-05	JMB3	08-JAN-2008 12:33	50 PPM	s010808	1.0 MEGA050	MEGA ICAL for new MDL values	
s4a0807.d	WBN080107-05	JMB3	08-JAN-2008 12:33	50 PPM	s010808	1.0 MEGA050		
s4a0808-MDL.d	WBN080107-04	JMB3	08-JAN-2008 12:55	80 PPM	s010808	1.0 MEGA080	MEGA ICAL for new MDL values	
s4a0808.d	WBN080107-04	JMB3	08-JAN-2008 12:55	80 PPM	s010808	1.0 MEGA080		
s4a0809-MDL.d	WBN080107-03	JMB3	08-JAN-2008 13:17	100 PPM	s010808	1.0 MEGA100	MEGA ICAL for new MDL values	
s4a0809.d	WBN080107-03	JMB3	08-JAN-2008 13:17	100 PPM	s010808	1.0 MEGA100		
s4a0810-MDL.d	WBN080107-02	JMB3	08-JAN-2008 13:39	120 PPM	s010808	1.0 MEGA120	MEGA ICAL for new MDL values	
s4a0810.d	WBN080107-02	JMB3	08-JAN-2008 13:39	120 PPM	s010808	1.0 MEGA120		
s4a0811.d	INSTBLANK	JMB3	08-JAN-2008 14:02	-----	s010808	1.0 INSTBLANK		
s4a0812-BOE.d	WBN080107-11.1	JMB3	08-JAN-2008 14:24	40 PPM	s010808	1.0 MEGA1CV	Boeing MEGA ICV: PASSES	
s4a0812-MDL.d	WBN080107-11.1	JMB3	08-JAN-2008 14:24	40 PPM	s010808	1.0 MEGA1CV	MEGA ICV for new MDL values	

Is4a0812.d	WBNO0107-11.1	JMB3	08-JAN-2008 14:24	140 PPM	Is010808	1.0 MEGAICV	MEGA ICV: PASSES
Is4a0813.d	WBNO71212-01	JMB3	08-JAN-2008 14:44	1.0	Is010808	1.0	Tune: AP - PEST - HEX - CARE
Is4a0814.d	INSTBLANK	JMB3	08-JAN-2008 14:55	1.0 INSTBLANK	Is010808	1.0 INSTBLANK	
Is4a0815.d	WBNO71221-16	JMB3	08-JAN-2008 15:14	110 PPM	Is010808	1.0 AP001	AP 1 ppm level for new MDL values
Is4a0816.d	WBNO71221-15	JMB3	08-JAN-2008 15:33	110 PPM	Is010808	1.0 AP010	
Is4a0817.d	WBNO71221-14	JMB3	08-JAN-2008 15:52	120 PPM	Is010808	1.0 AP020	
Is4a0818.d	WBNO71221-13.1	JMB3	08-JAN-2008 16:11	140 PPM	Is010808	1.0 AP040	
Is4a0819.d	WBNO71221-12	JMB3	08-JAN-2008 16:30	150 PPM	Is010808	1.0 AP050	
Is4a0820.d	WBNO71221-11	JMB3	08-JAN-2008 16:48	180 PPM	Is010808	1.0 AP080	
Is4a0821.d	WBNO71221-10	JMB3	08-JAN-2008 17:07	1100 PPM	Is010808	1.0 AP100	
Is4a0822.d	WBNO71221-09	JMB3	08-JAN-2008 17:26	1120 PPM	Is010808	1.0 AP120	
Is4a0823-MDL.d	WBNO71221-23	JMB3	08-JAN-2008 17:45	110 PPM	Is010808	1.0 PEST010	PEST ICAL for new MDL values
Is4a0823.d	WBNO71221-23	JMB3	08-JAN-2008 17:45	110 PPM	Is010808	1.0 PEST010	
Is4a0824-MDL.d	WBNO71221-22	JMB3	08-JAN-2008 18:04	120 PPM	Is010808	1.0 PEST020	PEST ICAL for new MDL values
Is4a0824.d	WBNO71221-22	JMB3	08-JAN-2008 18:04	120 PPM	Is010808	1.0 PEST020	
Is4a0825-MDL.d	WBNO71221-21.1	JMB3	08-JAN-2008 18:22	140 PPM	Is010808	1.0 PEST040	PEST ICAL for new MDL values
Is4a0825.d	WBNO71221-21.1	JMB3	08-JAN-2008 18:22	140 PPM	Is010808	1.0 PEST040	
Is4a0826-MDL.d	WBNO71221-20	JMB3	08-JAN-2008 18:41	150 PPM	Is010808	1.0 PEST050	PEST ICAL for new MDL values
Is4a0826.d	WBNO71221-20	JMB3	08-JAN-2008 18:41	150 PPM	Is010808	1.0 PEST050	
Is4a0827-MDL.d	WBNO71221-19	JMB3	08-JAN-2008 19:00	150 PPM	Is010808	1.0 PEST080	PEST ICAL for new MDL values
Is4a0827.d	WBNO71221-19	JMB3	08-JAN-2008 19:00	150 PPM	Is010808	1.0 PEST080	
Is4a0828-MDL.d	WBNO71221-18	JMB3	08-JAN-2008 19:19	1100 PPM	Is010808	1.0 PEST100	PEST ICAL for new MDL values
Is4a0828.d	WBNO71221-18	JMB3	08-JAN-2008 19:19	1100 PPM	Is010808	1.0 PEST100	
Is4a0829-MDL.d	WBNO71221-17	JMB3	08-JAN-2008 19:38	1120 PPM	Is010808	1.0 PEST120	PEST ICAL for new MDL values
Is4a0829.d	WBNO71221-17	JMB3	08-JAN-2008 19:38	1120 PPM	Is010808	1.0 PEST120	
Is4a0830.d	WBNO0107-17	JMB3	08-JAN-2008 19:57	1500 PPM	Is010808	1.0 HEX500	
Is4a0831.d	WBNO0107-16	JMB3	08-JAN-2008 20:16	11000 PPM	Is010808	1.0 HEX1000	

s4a0832.d	WBN080107-18.1	JMB3	08-JAN-2008 20:35	1250 PPM s010808		1.0 HEX1250	
s4a0833.d	WBN080107-137	JMB3	08-JAN-2008 20:54	1500 PPM s010808		1.0 HEX1500	
s4a0834.d	WBN080107-12	JMB3	08-JAN-2008 21:14	1750 PPM s010808		1.0 HEX1750	
s4a0835.d	UBN071022-05.1	JMB3	08-JAN-2008 21:33	2000 PPM s010808		1.0 HEX2000	
s4a0836-MDL.d	WBN071221-25.1	JMB3	08-JAN-2008 21:52	40 PPM s010808		1.0 APICV AP ICV for new MDL values	
s4a0836.d	WBN071221-25.1	JMB3	08-JAN-2008 21:52	40 PPM s010808		1.0 APICV AP ICV: PASSES	
s4a0837-MDL.d	WBN071221-26.1	JMB3	08-JAN-2008 22:11	40 PPM s010808		1.0 PESTICV PEST ICV for new MDL values	
s4a0837.d	WBN071221-26.1	JMB3	08-JAN-2008 22:11	40 PPM s010808		1.0 PESTICV PEST ICV: PASSES	
s4a0838.d	WBN080107-18.2	JMB3	08-JAN-2008 22:30	1250 PPM s010808		1.0 HEXICV HEX ICV: PASSES	
s4a0839.d	UBN071204-01	JMB3	08-JAN-2008 22:50	50 PPM s010808		1.0 CARE050	
s4a0840.d	UBN071204-02	JMB3	08-JAN-2008 23:12	75 PPM s010808		1.0 CARE075	
s4a0841.d	UBN071204-03	JMB3	08-JAN-2008 23:34	100 PPM s010808		1.0 CARE100	
s4a0842.d	UBN071204-04	JMB3	08-JAN-2008 23:57	125 PPM s010808		1.0 CARE125	
s4a0843.d	UBN071204-05	JMB3	09-JAN-2008 00:19	150 PPM s010808		1.0 CARE150	
s4a0844.d	UBN071204-06	JMB3	09-JAN-2008 00:41	200 PPM s010808		1.0 CARE200	
s4a0845.d	UBN071204-07	JMB3	09-JAN-2008 01:04	250 PPM s010808		1.0 CARE250	

Instrument Batch: /chem/MSD4.i/s010808.b

GEL ORGANIC RUN LOG

INSTRUMENT ID: MSD4

DATE: 01/21/2008

METHOD: 8270C MSD4-DFTPP.m

OPERATOR: JMB3

REVIEWED BY:

No. 1 on pg. 1
SOLVENT LOT: 724972-D

HARDWARE CONFIGURATION & METHOD SUMMARY:

Multiplier Voltage: 1318 Emv Extr. Injection Volume: 0.5, 1.0 ul

DFTPP Solution ID: WBN080107-01 Internal Std ID: WBN080102-01

CALIBRATION & QC INFORMATION:

Initial Calibration Dates: See Calibration History and Standard Logbook.

Initial Calibration Std ID's: See Calibration History and Standard Logbook.

SOP: GL-OA-E-009 Rev. 19

Sequence Number: /chem/MSD4.i/s012108.b

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
Is4a2101.d	WBN080107-01	JMB3	21-JAN-2008 13:39		Is012108	1.0I	Tune: PASSES	
Is4a2102.d	WBN080115-01.2	JMB3	21-JAN-2008 13:51	140 PPM	Is012108	1.0I	MEGACVS MEGA CVS: PASSES	
Is4a2103.d	WBN071205-08	JMB3	21-JAN-2008 14:14	140 PPM	Is012108	1.0I	NEVCVS NEV CVS: PASSES (c234 high)	
Is4a2104.d	WBN071221-13.5	JMB3	21-JAN-2008 14:33	140 PPM	Is012108	1.0I	APCVS AP CVS: PASSES	
Is4a2105.d	WBN071221-21.4	JMB3	21-JAN-2008 14:55	140 PPM	Is012108	1.0I	PESTCVS PEST CVS: PASSES	
Is4a2106.d	11201496151	JMB3	21-JAN-2008 15:15	1717956	08_MDL_NEVEDA_W	1.0I	MB MSD4 Nevada MDLV's (liquid)	
Is4a2107.d	11201496527	JMB3	21-JAN-2008 15:34	1717956	08_MDL_NEVEDA_W	1.0I	LCS MSD4 Nevada MDLV's (liquid)	
Is4a2108.d	1200459015	JMB3	21-JAN-2008 15:53	1717956	08_MDL_NEVEDA_W	1.0I	QCOA MSD4 Nevada MDLV's (liquid)	
Is4a2109.d	1200459016	JMB3	21-JAN-2008 16:12	1717956	08_MDL_NEVEDA_W	1.0I	QCOA MSD4 Nevada MDLV's (liquid)	
Is4a2110.d	1200459017	JMB3	21-JAN-2008 16:32	1717956	08_MDL_NEVEDA_W	1.0I	QCOA MSD4 Nevada MDLV's (liquid)	
Is4a2111.d	11201496807	JMB3	21-JAN-2008 16:51	1718280	08_MDL_NevadaMix_S	1.0I	MB MSD4 Nevada MDLV's (solid)	
Is4a2112.d	11201496836	JMB3	21-JAN-2008 17:10	1718280	08_MDL_NevadaMix_S	1.0I	LCS MSD4 Nevada MDLV's (solid)	
Is4a2113.d	1200659015	JMB3	21-JAN-2008 17:29	1718280	08_MDL_NevadaMix_S	1.0I	QCOA MSD4 Nevada MDLV's (solid)	
Is4a2114.d	1200659016	JMB3	21-JAN-2008 17:48	1718280	08_MDL_NevadaMix_S	1.0I	QCOA MSD4 Nevada MDLV's (solid)	
Is4a2115.d	1200659017	JMB3	21-JAN-2008 18:08	1718280	08_MDL_NevadaMix_S	1.0I	QCOA MSD4 Nevada MDLV's (solid)	
Is4a2116-1.d	11201499349	JMB3	21-JAN-2008 18:27	1719409	201226	1.0I	MB Report	
Is4a2116.d	11201499349	JMB3	21-JAN-2008 18:27	1719409	200965	1.0I	MB Report	
Is4a2117-1.d	11201499350	JMB3	21-JAN-2008 18:46	1719409	201226	1.0I	LCS Report	
Is4a2117.d	11201499350	JMB3	21-JAN-2008 18:46	1719409	200965	1.0I	LCS Report	

s4a2118-1.d 201499353	JMB3 21-JAN-2008 19:05	719409 201226	1.0 LCSD	Report
s4a2118.d 201499353	JMB3 21-JAN-2008 19:05	719409 200965	1.0 LCSD	Report
s4a2119.d 200965001	JMB3 21-JAN-2008 19:24	719409 200965	1.0 CBRA	Report: rx of s4a1723, passes w/in hold
s4a2120.d 201226001	JMB3 21-JAN-2008 19:44	719409 201226	1.0 CATL	**fails surr, see rx
s4a2121.d 201226002	JMB3 21-JAN-2008 20:03	719409 201226	1.0 CATL	Report
s4a2122.d 201499463	JMB3 21-JAN-2008 20:22	719469 E0370701501EL	1.0 MB	Report
s4a2123.d 201499464	JMB3 21-JAN-2008 20:42	719469 E0370701501EL	1.0 LCS	Report
s4a2124.d 201174001	JMB3 21-JAN-2008 21:01	719469 E0370701501EL	1.0 INEL	Report
s4a2125.d 201174002	JMB3 21-JAN-2008 21:20	719469 E0370701501EL	1.0 INEL	Report
s4a2126.d 201174003	JMB3 21-JAN-2008 21:39	719469 E0370701501EL	1.0 INEL	Report
s4a2127.d 201499465	JMB3 21-JAN-2008 21:58	719469 E0370701501EL	1.0 MS_INEL	Report
s4a2128.d 201499466	JMB3 21-JAN-2008 22:18	719469 E0370701501EL	1.0 MSD_INEL	Report
s4a2129.d 201174004	JMB3 21-JAN-2008 22:37	719469 E0370701501EL	1.0 INEL	Report
s4a2130.d 201174005	JMB3 21-JAN-2008 22:56	719469 E0370701501EL	1.0 INEL	Report
s4a2131.d 201174006	JMB3 21-JAN-2008 23:15	719469 E0370701501EL	1.0 INEL	Report

Instrument Batch: /chem/MSD4.i/s012108.b

GEL ORGANIC RUN LOG

INSTRUMENT ID: MSD4

DATE: 01/23/2008

METHOD:8270C MSD4-DFTPP.m

OPERATOR:JMB3

REVIEWED BY:

DATE:

SOLVENT LOT: 724972-D

HARDWARE CONFIGURATION & METHOD SUMMARY:

No. 1 on pg. 1

Multiplier Voltage: 1294 Emv Extr. Injection Volume: 0.5, 1.0 ul

DFTPP Solution ID: WBN080107-01 Internal Std ID: WBN080102-01

CALIBRATION & QC INFORMATION:

Initial Calibration Dates: See Calibration History and Standard Logbook.

Initial Calibration Std ID's: See Calibration History and Standard Logbook.

SOP: GL-OA-E-009 Rev. 19

Sequence Number: /chem/MSD4.i/s012308.b

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
Is4a2301.d	WBN080107-01	JMB3	123-JAN-2008 09:40		Is012308	1.0	Tune: PASSES	
Is4a2302.d	WBN080115-01.2	JMB3	123-JAN-2008 09:52	140 PPM	Is012308	1.0	MEGACVS MEGA CVS: PASSES	222220
Is4a2303.d	WBN071221-13.5	JMB3	123-JAN-2008 10:14	140 PPM	Is012308	1.0	APCVS AP CVS: fails BENZIDINE (low); see s4a2305	
Is4a2304.d	UBN080122-08.2	JMB3	123-JAN-2008 10:34	1100 PPM	Is012308	1.0	CARECVS CARE CVS: PASSES	
Is4a2305.d	WBN071221-13.5	JMB3	123-JAN-2008 10:56	140 PPM	Is012308	1.0	APCVS AP CVS: PASSES	
Is4a2306.d	WBN071221-21.4	JMB3	123-JAN-2008 11:16	140 PPM	Is012308	1.0	PESTCVS PEST CVS: PASSES	
Is4a2307-1.d	1201500955	JMB3	123-JAN-2008 11:35	1720226	201226	1.0	LCSD	
Is4a2307-2.d	1201500955	JMB3	123-JAN-2008 11:35	1720226	201284	1.0	LCSD	
Is4a2307.d	1201500955	JMB3	123-JAN-2008 11:35	1720226	201222	1.0	LCSD	
Is4a2308-1.d	1201500956	JMB3	123-JAN-2008 11:54	1720226	201226	1.0	LCSD	
Is4a2308-2.d	1201500956	JMB3	123-JAN-2008 11:54	1720226	201284	1.0	LCSD	
Is4a2308.d	1201500956	JMB3	123-JAN-2008 11:54	1720226	201222	1.0	LCSD	
Is4a2309-1.d	1201500959	JMB3	123-JAN-2008 12:13	1720226	201226	1.0	LCSD	
Is4a2309-2.d	1201500959	JMB3	123-JAN-2008 12:13	1720226	201284	1.0	LCSD	
Is4a2309.d	1201500959	JMB3	123-JAN-2008 12:13	1720226	201222	1.0	LCSD	
Is4a2310.d	1201500485	JMB3	123-JAN-2008 12:32	1719995	EUI-5448	2.0	LCSD DUSE not needed	
Is4a2311-1.d	1201500485	JMB3	123-JAN-2008 12:52	1719995	201044	1.0	LCSD	
Is4a2311.d	1201500485	JMB3	123-JAN-2008 12:52	1719995	EUI-5448	1.0	LCSD	
Is4a2312.d	201226001	JMB3	123-JAN-2008 13:11	1720226	201226	1.0	CATL rx DUSE confirms surr failure RX of s4a2120	

s4a2313.d	200968001	JMB3	23-JAN-2008	13:30	719995	EUI-5448		1.0 CARE	
s4a2314.d	1201500774	JMB3	23-JAN-2008	13:49	719995	EUI-5448		1.0 MS_CARE	
s4a2315.d	1201500775	JMB3	23-JAN-2008	14:08	719995	EUI-5448		1.0 MSD_CARE	
s4a2316.d	201044001	JMB3	23-JAN-2008	14:27	719995	201044		1.0 GELC	
s4a2317.d	201222001	JMB3	23-JAN-2008	14:46	720226	201222		1.0 PRDM	
s4a2318.d	201222003	JMB3	23-JAN-2008	15:05	720226	201222		1.0 PRDM	fail surr no more sample
s4a2319.d	201284001	JMB3	23-JAN-2008	15:24	720226	201284		1.0 MECP	
s4a2320-1.d	1201501272	JMB3	23-JAN-2008	16:02	720400	201259		1.0 MB	
s4a2320.d	1201501272	JMB3	23-JAN-2008	16:02	720400	201239		1.0 MB	
s4a2321-1.d	1201501273	JMB3	23-JAN-2008	16:21	720400	201259		1.0 LCS	C 11 low
s4a2321.d	1201501273	JMB3	23-JAN-2008	16:21	720400	201239		1.0 LCS	lcs pass for lmes
s4a2322.d	201259002	JMB3	23-JAN-2008	16:40	720400	201259		1.0 GEEL	report both sets; lcs fails; re of s5a2215
s4a2323.d	201239004	JMB3	23-JAN-2008	16:59	720400	201239		1.0 LMES	
s4a2324.d	1201501274	JMB3	23-JAN-2008	17:18	720400	201239		1.0 MS	
s4a2325.d	1201501275	JMB3	23-JAN-2008	17:37	720400	201239		1.0 MSD	

Prep Logbook

Extraction of Semivolatile and Nonvolatile Organic Compounds from Groundwater, Wastewater and Other Aqueous Samples

Batch ID: 719408
Analyst: Sophia Cox
Method: SW846 3510C

Verified by: _____

Lab SOP: GL-OA-E-013 REV# 17
Instrument: Semi-Volatiles Manual

Sample ID	Run Date	Initial Volume (mL)	Initial pH	Int Ext pH	Sec Ext pH	Final Volume (mL)	Prepped Factor (mL/mL)
1201499349 MB	21-JAN-2008 15:22:56	1000	7	<2	>11	1	0.001
1201499350 LCS	21-JAN-2008 15:22:56	1000	7	<2	>11	1	0.001
1201499353 LCSD	21-JAN-2008 15:22:56	1000	7	<2	>11	1	0.001
200965001 - 2	21-JAN-2008 15:22:56	1060	5	<2	>11	1	0.00094
201226001	21-JAN-2008 15:22:56	1050	5	<2	>11	1	0.00095
201226002	21-JAN-2008 15:22:56	1050	5	<2	>11	1	0.00095
Type	Sample Id	Description	Serial Number	Spike Amt	Units	Comments:	
LCS	1201499350	BNA LCS w/o Benzidine 50ppm	UE071228-12	1	mL	Sample 5001,6001, and 6002 was emulsive on acid and base. Verified By: ZVM Final Solvent: CH2Cl2	
LCS	1201499350	BENZIDINE LCS	UE080110-11	1	mL		
LCSD	1201499353	BNA LCS w/o Benzidine 50ppm	UE071228-12	1	mL		
LCSD	1201499353	BENZIDINE LCS	UE080110-11	1	mL		
SURR	All	BNA for all Surrogate	UE071228-03	1	mL		
REGNT	All	Sulfuric Acid Sol, 1:1	643264-MAR-2005	2	mL		
REGNT	All	Methylene Chloride	733752-D	360	mL		
REGNT	All	10 N sodium hydroxide solution	733793-1-A	10	mL		
SOURC	All	SODIUM SULFATE	653271	30	g		

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Data file : /chem/MSD4.i/s012308.b/s4a2312.d
Lab Smp Id: 201226001 Client Smp ID: IR13-SB02
Inj Date : 23-JAN-2008 13:11
Operator : JMB3 Inst ID: MSD4.i
Smp Info : |201226001|720226|1|SVM|1|CATL_rx
Misc Info : |MSD8270_LF|WBN080121-01|
Comment : Column: J & W Scientific DB-5MS 25m x 0.2mm x 0.33um
Method : /chem/MSD4.i/s012308.b/MSD4-M8270C-010808.m
Meth Date : 23-Jan-2008 15:14 llo00884 Quant Type: ISTD
Cal Date : 06-DEC-2007 16:18 Cal File: s4l0605.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 201226.sub
Target Version: 3.50
Processing Host: hpc1p1

Concentration Formula: Amt * DF * Uf * Vt/(Vo *Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	500.00000	ng unit correction factor
Vt	1.00000	volume of final ext
Vo	1060.00000	volume of sample ext
Vi	0.50000	volume injected

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng/ul)	FINAL (ug/L)
* 10 1,4-Dichlorobenzene-d4	152	3.681	3.681	(1.000)	298955	40.0000	
* 29 Naphthalene-d8	136	4.540	4.546	(1.000)	1191347	40.0000	
* 46 Acenaphthene-d10	164	5.787	5.793	(1.000)	611739	40.0000	
* 67 Phenanthrene-d10	188	6.793	6.793	(1.000)	1086676	40.0000	
* 91 Chrysene-d12	240	8.398	8.416	(1.000)	798695	40.0000	
* 98 Perylene-d12	264	9.710	9.733	(1.000)	649862	40.0000	
\$ 3 2-Fluorophenol	112	2.887	2.887	(0.784)	5633	0.58515	0.55(R)
\$ 5 Phenol-d5	99	3.410	3.416	(0.926)	49259	4.21073	4.0(R)
\$ 20 Nitrobenzene-d5	82	4.040	4.046	(0.890)	307003	25.4144	24.0
\$ 39 2-Fluorobiphenyl	172	5.287	5.287	(0.914)	478099	24.3028	22.9
\$ 60 2,4,6-Tribromophenol	329	6.334	6.340	(1.095)	1641	0.77224	0.73(R)
\$ 81 p-Terphenyl-d14	244	7.716	7.722	(0.919)	363407	20.6255	19.4

Data File: /chem/MSD4.i/s012308.b/s4a2312.d
Report Date: 23-Jan-2008 15:40

Page 2

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

GEL Laboratories LLC

RECOVERY REPORT

Client Name: Client SDG: 201226
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 201226001 Client Smp ID: IR13-SB02
Level: LOW Operator: JMB3
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-S-50ppm.spk Quant Type: ISTD
Sublist File: 201226.sub
Method File: /chem/MSD4.i/s012308.b/MSD4-M8270C-010808.m
Misc Info: |MSD8270_LF|WBN080121-01|

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 3 2-Fluorophenol	94.3	0.55	0.58*	15-67
\$ 5 Phenol-d5	94.3	4.0	4.24*	10-53
\$ 20 Nitrobenzene-d5	47.2	24.0	50.85	38-99
\$ 39 2-Fluorobiphenyl	47.2	22.9	48.52	41-99
\$ 60 2,4,6-Tribromophen	94.3	0.73	0.77*	35-107
\$ 81 p-Terphenyl-d14	47.2	19.4	41.10	41-115

COMPANY – WIDE NONCONFORMANCE REPORT			
Mo.Day Yr. 29-JAN-08	Division: Federal	Quality Criteria: SOP	Type: Process
Instrument Type: SEMIVOA GC/MS	Test / Method: SW 846 EPA 8270C	Matrix Type: Liquid	Client Code: CATL
Batch ID: 719409	Sample Numbers: See Below		
Potentially affected work order(s)(SDG): 200965,201226 Application Issues: Failed Recovery for Surrogate or Tracer			
Specification and Requirements		NRG Disposition:	
Nonconformance Description:			
1. Sample 201226001 (IR13-SB02) displayed multiple failing surrogate recoveries. Please see the surrogate recovery report for the specific failures.		1. The sample was re-extracted (batch 720226), analyzed and confirmed that the surrogate failures were a result of sample matrix interference. The original extraction results have been reported. The re-extracted sample results have been placed in the Miscellaneous Section of the data report.	

Originator's Name:

Daniel Beacham 29-JAN-08

Data Validator/Group Leader:

Herbert Maier 29-JAN-08

Quality Review:

Director:

GC SEMIVOLATILE PESTICIDE ANALYSIS

Pesticide Case Narrative
IR Site 13 - Catlin Engineers and Scientists (CATL)
SDG 201226

Method/Analysis Information

Procedure: Analysis of Organochlorine Pesticides and Chlorinated Hydrocarbons by ECD
Analytical Method: SW846 8081A
Prep Method: SW846 3510C
Analytical Batch Number: 719462
Prep Batch Number: 719458

Sample Analysis

The following samples were analyzed using the analytical protocol as established in SW846 8081A:

Sample ID	Client ID
201226001	IR13-SB02
201226002	IR13-SB03
201226003	IR13-SB03
1201499446	Method Blank (MB)
1201499447	Laboratory Control Sample (LCS)
1201499448	201062002(MW-1A) Matrix Spike (MS)
1201499449	201062002(MW-1A) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Preparation/Analytical Method Verification

SOP Reference

Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-OA-E-041 REV# 7.

Raw data reports are processed and reviewed by the analyst using the Target software package. False positives have been removed from the Target quantitation reports per standard operating procedures (SOP) section 23.0.

Calibration Information

Please note that the 'Cal Date' indicated on each quantitation report reflects the date and time of the most recent calibrated analyte(s) in the Target processing method. Since the laboratory may calibrate with multiple solutions on different days using the same processing method, the Target software will update the 'Cal Date' to the last calibration file, date and time. The correct dates and times for all calibration files are located on the Calibration History report in the Standard Data section in the data package.

Due to software limitations, the Calibration Summary Form 6 may not indicate all the calibration files comprising the initial calibration. A complete list of the initial calibration data files are shown in the Calibration History report located in the Standard Data section of the data package.

Initial Calibration

All initial calibration requirements have been met for this sample delivery group (SDG).

The linear equation used in Target and indicated on the initial calibration summary form is not a conventional linear equation (slope intercept formula) and does not match the equation found in SW-846 method 8000B. The x and y axes are inversed in Target, so that the instrument response is treated as the independent variable (x) and the concentration ratio is treated as the dependent variable (y). The equation used in Target to calculate sample results is adjusted to account for the linear equation inversion and reciprocal slope. The adjusted calculation has been independently verified to produce valid results.

Continuing Calibration Verification (CCV) Requirements

The calibration verification standards (CVS, ICV, or CCV) requirements have been met for this SDG.

Two or more of the five quantified peaks failed to meet the acceptance criteria in Chlordane (tech.) standard analyzed for this SDG; however, the average concentration of the five peaks met the acceptance criteria.

Surrogate recovery did not meet the acceptance criteria in one of the standards analyzed for this SDG; however this had no adverse effects on the data as all other associated standards and the samples in this SDG met surrogate recovery acceptance criteria very well.

Quality Control (QC) Information

Method Blank (MB) Statement

The MB analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries

All surrogate recoveries were within the established acceptance criteria for this SDG.

Laboratory Control Sample (LCS) Recovery

The LCS spike recoveries met the acceptance limits.

QC Sample Designation

A non-CATL sample of similar matrix from another SDG was selected for the matrix spike and matrix spike duplicate analysis.

Matrix Spike (MS) Recovery Statement

The MS recoveries were within the established acceptance limits.

Matrix Spike Duplicate (MSD) Recovery Statement

The MSD recoveries for this SDG were within the established acceptance limits.

MS/MSD Relative Percent Difference (RPD) Statement

The RPD between the MS and MSD met the acceptance limits.

Technical Information:

Holding Time Specifications

GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection of sample receipt. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. Sample 201226003 (IR13-SB03) was received on the last day of holding and was extracted after the holding time exceeded.

Preparation/Analytical Method Verification

All procedures were performed as stated in the SOP.

Sample Dilutions

The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis

Re-extractions or re-analyses were not required in this SDG.

Miscellaneous Information:

Electronic Package Comment

This package was generated using an electronic data processing program referred to as "virtual packaging". In an effort to increase quality and efficiency, the laboratory is developing systems to eventually generate all data packages electronically. The following change from "traditional" packages should be noted:

Analyst/peer reviewer initials and dates are not present on the electronic data files. Presently, all initials and dates are present on the original raw data. These hard copies are temporarily stored in the laboratory. The data validator will always sign and date the case narrative.

Nonconformance (NCR) Documentation

Nonconformance report (NCR) is for documentation of any procedural anomalies that may deviate from referenced SOP or contractual document. NCR # 516391 was generated for this SDG. A copy is included in the Miscellaneous Data section of this package.

Manual Integration

Certain standards and samples may have required manual integration to correctly position the baseline as set in the calibration standard injections. If manual integration was performed, copies of all manual integration peak profiles are included in the raw data section of this pesticide fraction.

Additional Comments

The additional comments field is used to address special issues associated with each analysis, clarify method/contractual issues pertaining to the analysis, and to list any report documents generated as a result of sample analysis or review. The following additional comments were required:

The higher result from either analytical column has been chosen and reported in this package for all client samples, MB and LCS. The data for the MS and MSD are reported from the same analytical column as the parent sample.

The data reported on the form I and III may differ slightly from the data reported on the form X. This is due to software limitations in rounding differences between the forms.

Due to software limitation, the Form VIIs will display the results either in the % difference or % drift depending on the type of the calibration curve. If the curve of all analytes is generated using an average response factor (RF), the Form VII will display results using the difference calculation (RF). If the curve of one or more analytes is generated using a linear curve, the Form VII will display results using the % drift calculation (by concentration) for all analytes.

System Configuration

The Semi-Volatiles-Pesticide analysis was performed on a HP Gas Chromatograph.

Instrument ID	System Configuration	Column ID	Column Description
ECD5A.I_1	HP6890 Series ECD	Rtx-CLP I	30m x 0.25mm, 0.25um (Rtx-CLPesticide)
ECD5A.I_2	HP6890 Series ECD	Rtx-CLP II	30m x 0.25mm, 0.20um (Rtx-CLPesticide II)

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation

GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.

The following data validator verified the information presented in this case narrative:

Reviewer: Jimi Cao

Date: 2/5/08

Roadmap for CATL 201226 PEST

This roadmap was analyzed by Heather Joy on 01-23-2008, 19:50.

This roadmap was reviewed by Jimin Cao on 01-24-2008, 12:08.

This roadmap was packaged by Yvette Lampkin on 02-05-2008, 10:38.

This roadmap was validated by Jimin Cao on 02-05-2008, 14:08.

This roadmap was validated by Jimin Cao on 02-05-2008, 14:29.

Front Sample Column

exclude	manual	datafile	smplid	sampletype	injdte	injtme	sublist	clientid	dilution	prepbachid	comment
☐	N	/chem/ecd5a.i/012108.b/0181801.d	201226001	sample	21-JAN-2008	19:18	201226.sub	IR13-SB02	1.00000	719462	USE, uploaded both columns, reporting higher result
☐	N	/chem/ecd5a.i/012108.b/0191901.d	201226002	sample	21-JAN-2008	19:30	201226.sub	IR13-SB03	1.00000	719462	USE, uploaded both columns, reporting higher result
☐	N	/chem/ecd5a.i/012108.b/0202001.d	201226003	sample	21-JAN-2008	19:41	201226.sub	IR13-SB03	1.00000	719462	USE, uploaded both columns, reporting higher result

Back Sample Column

exclude	manual	datafile	smplid	sampletype	injdte	injtme	sublist	clientid	dilution	prepbachid	comment
☐	N	/chem/ecd5a.i/012108.b/0181801.d	201226001	sample	21-JAN-2008	19:18	201226.sub	IR13-SB02	1.00000	719462	USE, uploaded both columns, reporting higher result
☐	N	/chem/ecd5a.i/012108.b/0191901.d	201226002	sample	21-JAN-2008	19:30	201226.sub	IR13-SB03	1.00000	719462	USE, uploaded both columns, reporting higher result
☐	N	/chem/ecd5a.i/012108.b/0202001.d	201226003	sample	21-JAN-2008	19:41	201226.sub	IR13-SB03	1.00000	719462	USE, uploaded both columns, reporting higher result

Front QC Sample Column

exclude	manual	datafile	smplid	sampletype	injdte	injtme	sublist	clientid	dilution	prepbachid	comment
☐	N	/chem/ecd5a.i/012108.b/008f0801201226.d	1201499446	mb	21-JAN-2008	17:21	201226.sub	PBLK01	1.00000	719462	
☐	N	/chem/ecd5a.i/012108.b/009f0901201226.d	1201499447	lcs	21-JAN-2008	17:33	201226.sub	PBLK01LCS	1.00000	719462	

Back QC Sample Column

exclude	manual	datafile	smplid	sampletype	injdte	injtme	sublist	clientid	dilution	prepbachid	comment
☐	N	/chem/ecd5a.i/012108.b/008f0801201226.d	1201499446	mb	21-JAN-2008	17:21	201226.sub	PBLK01	1.00000	719462	
☐	N	/chem/ecd5a.i/012108.b/009f0901201226.d	1201499447	lcs	21-JAN-2008	17:33	201226.sub	PBLK01LCS	1.00000	719462	

SAMPLE DATA SUMMARY

**Pesticide
Certificate of Analysis
Sample Summary**

SDG Number: 201226	Date Collected: 01/14/2008 14:00	Matrix: GROUND WATER
Lab Sample ID: 201226001	Date Received: 01/18/2008 09:15	
Client ID: IR13-SB02	Client: CATL002	Project: CATL00107
Batch ID: 719462	Method: SW846 8081A	SOP Ref: GL-OA-E-041
Run Date: 01/21/2008 19:18	Inst: ECD5A.I	Dilution: 1
Prep Date: 01/21/2008 16:06	Analyst: HXJ1	Inj. Vol: 1 uL
Data File: 018f1801.d	Aliquot: 1040 mL	Final Volume: 5 mL
018b1801.d	Column: 1 CLP-1	Level: LOW
	2 CLP-2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
319-84-6	alpha-BHC	U	0.0192	ug/L	0.00481	0.0192	1
58-89-9	gamma-BHC (Lindane)	U	0.0192	ug/L	0.00481	0.0192	1
319-85-7	beta-BHC	U	0.0192	ug/L	0.00813	0.0192	1
319-86-8	delta-BHC	U	0.0192	ug/L	0.00481	0.0192	1
76-44-8	Heptachlor	U	0.0192	ug/L	0.0063	0.0192	1
309-00-2	Aldrin	U	0.0192	ug/L	0.00481	0.0192	1
1024-57-3	Heptachlor epoxide	U	0.0192	ug/L	0.00481	0.0192	1
959-98-8	Endosulfan I	U	0.0192	ug/L	0.00481	0.0192	1
72-55-9	4,4'-DDE	U	0.0385	ug/L	0.00481	0.0385	1
60-57-1	Dieldrin	U	0.0385	ug/L	0.00481	0.0385	1
72-20-8	Endrin	U	0.0385	ug/L	0.00481	0.0385	1
72-54-8	4,4'-DDD	U	0.0385	ug/L	0.00481	0.0385	1
33213-65-9	Endosulfan II	U	0.0385	ug/L	0.00481	0.0385	1
7421-93-4	Endrin aldehyde	U	0.0385	ug/L	0.00481	0.0385	1
50-29-3	4,4'-DDT	U	0.0385	ug/L	0.00962	0.0385	1
1031-07-8	Endosulfan sulfate	U	0.0385	ug/L	0.00481	0.0385	1
72-43-5	Methoxychlor	U	0.192	ug/L	0.0481	0.192	1
53494-70-5	Endrin ketone	U	0.0385	ug/L	0.0121	0.0385	1
57-74-9	Chlordane (tech.)	U	0.240	ug/L	0.0736	0.240	1
8001-35-2	Toxaphene	U	0.481	ug/L	0.144	0.481	1

**Pesticide
Certificate of Analysis
Sample Summary**

SDG Number: 201226
Lab Sample ID: 201226002

Date Collected: 01/14/2008 15:00

Matrix: GROUND WATER

Date Received: 01/18/2008 09:15

Client: CATL002

Project: CATL00107

Method: SW846 8081A

SOP Ref: GL-OA-E-041

Inst: ECD5A.1

Dilution: 1

Client ID: IR13-SB03

Batch ID: 719462

Run Date: 01/21/2008 19:30

Analyst: HXJ1

Inj. Vol: 1 uL

Prep Date: 01/21/2008 16:06

Aliquot: 1040 mL

Final Volume: 5 mL

Data File: 019f1901.d

Column: 1 CLP-1

Level: LOW

019b1901.d

2 CLP-2

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
319-84-6	alpha-BHC	U	0.0192	ug/L	0.00481	0.0192	1
58-89-9	gamma-BHC (Lindane)	U	0.0192	ug/L	0.00481	0.0192	1
319-85-7	beta-BHC	U	0.0192	ug/L	0.00813	0.0192	1
319-86-8	delta-BHC	U	0.0192	ug/L	0.00481	0.0192	1
76-44-8	Heptachlor	U	0.0192	ug/L	0.0063	0.0192	1
309-00-2	Aldrin	U	0.0192	ug/L	0.00481	0.0192	1
1024-57-3	Heptachlor epoxide	U	0.0192	ug/L	0.00481	0.0192	1
959-98-8	Endosulfan I	U	0.0192	ug/L	0.00481	0.0192	1
72-55-9	4,4'-DDE	U	0.0385	ug/L	0.00481	0.0385	1
60-57-1	Dieldrin	U	0.0385	ug/L	0.00481	0.0385	1
72-20-8	Endrin	U	0.0385	ug/L	0.00481	0.0385	1
72-54-8	4,4'-DDD	U	0.0385	ug/L	0.00481	0.0385	1
33213-65-9	Endosulfan II	U	0.0385	ug/L	0.00481	0.0385	1
7421-93-4	Endrin aldehyde	U	0.0385	ug/L	0.00481	0.0385	1
50-29-3	4,4'-DDT	U	0.0385	ug/L	0.00962	0.0385	1
1031-07-8	Endosulfan sulfate	U	0.0385	ug/L	0.00481	0.0385	1
72-43-5	Methoxychlor	U	0.192	ug/L	0.0481	0.192	1
53494-70-5	Endrin ketone	U	0.0385	ug/L	0.0121	0.0385	1
57-74-9	Chlordane (tech.)	U	0.240	ug/L	0.0736	0.240	1
8001-35-2	Toxaphene	U	0.481	ug/L	0.144	0.481	1

**Pesticide
Certificate of Analysis
Sample Summary**

SDG Number: 201226	Date Collected: 01/11/2008 14:30	Matrix: GROUND WATER
Lab Sample ID: 201226003	Date Received: 01/18/2008 09:15	
Client ID: IR13-SB03	Client: CATL002	Project: CATL00107
Batch ID: 719462	Method: SW846 8081A	SOP Ref: GL-OA-E-041
Run Date: 01/21/2008 19:41	Inst: ECD5A.I	Dilution: 1
Prep Date: 01/21/2008 16:06	Analyst: HXJ1	Inj. Vol: 1 uL
Data File: 020f2001.d	Aliquot: 950 mL	Final Volume: 5 mL
020b2001.d	Column: 1 CLP-1	Level: LOW
	2 CLP-2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
319-84-6	alpha-BHC	Uh	0.0211	ug/L	0.00526	0.0211	1
58-89-9	gamma-BHC (Lindane)	Uh	0.0211	ug/L	0.00526	0.0211	1
319-85-7	beta-BHC	Uh	0.0211	ug/L	0.00889	0.0211	1
319-86-8	delta-BHC	Uh	0.0211	ug/L	0.00526	0.0211	1
76-44-8	Heptachlor	Uh	0.0211	ug/L	0.00689	0.0211	1
309-00-2	Aldrin	Uh	0.0211	ug/L	0.00526	0.0211	1
1024-57-3	Heptachlor epoxide	Uh	0.0211	ug/L	0.00526	0.0211	1
959-98-8	Endosulfan I	Uh	0.0211	ug/L	0.00526	0.0211	1
72-55-9	4,4'-DDE	Uh	0.0421	ug/L	0.00526	0.0421	1
60-57-1	Dieldrin	Uh	0.0421	ug/L	0.00526	0.0421	1
72-20-8	Endrin	Uh	0.0421	ug/L	0.00526	0.0421	1
72-54-8	4,4'-DDD	Uh	0.0421	ug/L	0.00526	0.0421	1
33213-65-9	Endosulfan II	Uh	0.0421	ug/L	0.00526	0.0421	1
7421-93-4	Endrin aldehyde	Uh	0.0421	ug/L	0.00526	0.0421	1
50-29-3	4,4'-DDT	Uh	0.0421	ug/L	0.0105	0.0421	1
1031-07-8	Endosulfan sulfate	Uh	0.0421	ug/L	0.00526	0.0421	1
72-43-5	Methoxychlor	Uh	0.211	ug/L	0.0526	0.211	1
53494-70-5	Endrin ketone	Uh	0.0421	ug/L	0.0132	0.0421	1
57-74-9	Chlordane (tech.)	Uh	0.263	ug/L	0.0805	0.263	1
8001-35-2	Toxaphene	Uh	0.526	ug/L	0.158	0.526	1

QUALITY CONTROL SUMMARY

Pesticide
Surrogate Recovery Report

Page 1 of 1

SDG Number: 201226

Matrix Type: LIQUID

CAP Column (1) : CLP-1

CAP Column (2) : CLP-2

Sample ID	Client ID	4CMX 1 %REC #	4CMX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #
1201499446	MB for batch 719458	48	46	93	86
1201499447	LCS for batch 719458	66	64	94	81
201226001	IR13-SB02	50	48	75	65
201226002	IR13-SB03	49	47	55	53
201226003	IR13-SB03	54	49	74	72

Surrogate**Acceptance Limits**

4CMX = 4cmx

(42%–107%)

DCB = Decachlorobiphenyl

(37%–115%)

* Recovery outside Acceptance Limits

Column to be used to flag recovery values

D Sample Diluted

Pesticide
Quality Control Summary
Spike Recovery Report

Page 1 of 1

SDG Number: 201226 Client ID: LCS for batch 719458 Lab Sample ID: 1201499447 Instrument: ECD5A.1 Analyst: HXJ1 Inj. Vol: 1 uL	Sample Type: Laboratory Control Sample Matrix: GROUND WATER Analysis Date: 01/21/2008 17:33 Prep Batch ID: 719458 Batch ID: 719462 Dilution: 1

CAS No	Parmname	Amount Added ug/L	Sample Conc. ug/L	Spike Conc. ug/L	Recovery %	Acceptance Limits
319-84-6	LCS alpha-BHC	0.500	0.0	0.462	92	66-122
58-89-9	LCS gamma-BHC (Lindane)	0.500	0.0	0.441	88	51-129
319-85-7	LCS beta-BHC	0.500	0.0	0.444	89	49-138
319-86-8	LCS delta-BHC	0.500	0.0	0.454	91	68-125
76-44-8	LCS Heptachlor	0.500	0.0	0.440	88	58-115
309-00-2	LCS Aldrin	0.500	0.0	0.446	89	51-124
1024-57-3	LCS Heptachlor epoxide	0.500	0.0	0.457	91	59-118
5103-74-2	LCS gamma-Chlordane	0.500	0.0	0.492	98	66-108
5103-71-9	LCS alpha-Chlordane	0.500	0.0	0.467	93	65-105
959-98-8	LCS Endosulfan I	0.500	0.0	0.494	99	62-113
72-55-9	LCS 4,4'-DDE	1.25	0.0	1.20	96	64-113
60-57-1	LCS Dieldrin	1.25	0.0	1.19	95	66-108
72-20-8	LCS Endrin	1.25	0.0	1.14	91	66-108
72-54-8	LCS 4,4'-DDD	1.25	0.0	1.16	92	63-116
33213-65-9	LCS Endosulfan II	1.25	0.0	1.17	93	65-108
7421-93-4	LCS Endrin aldehyde	1.25	0.0	1.17	94	30-150
50-29-3	LCS 4,4'-DDT	1.25	0.0	1.19	95	66-133
1031-07-8	LCS Endosulfan sulfate	1.25	0.0	1.12	89	65-110
72-43-5	LCS Methoxychlor	5.00	0.0	4.29	86	61-126
53494-70-5	LCS Endrin ketone	1.25	0.0	1.10	88	64-113

Method Blank Summary

Page 1 of 1

SDG Number:	201226	Client:	CATL002	Matrix:	GROUND WATER
Client ID:	MB for batch 719458	Instrument ID:	ECD5A.I_2	Data File:	008b0801.d
Lab Sample ID:	1201499446		ECD5A.I_1		008f0801.d
Column:	CLP-2	Prep Date:	01/21/2008 16:06	Analyzed:	01/21/08 17:21
	CLP-1	Level:	LOW		

This method blank applies to the following samples and quality control samples:

Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01 LCS for batch 719458	1201499447	009f0901.d 009b0901.d	01/21/08	1733
02 IR13-SB02	201226001	018f1801.d 018b1801.d	01/21/08	1918
03 IR13-SB03	201226002	019f1901.d 019b1901.d	01/21/08	1930
04 IR13-SB03	201226003	020f2001.d 020b2001.d	01/21/08	1941

SAMPLE DATA

**Pesticide
Certificate of Analysis
Sample Summary**

Page 1 of 1

SDG Number: 201226
Lab Sample ID: 201226001

Date Collected: 01/14/2008 14:00
Date Received: 01/18/2008 09:15

Matrix: GROUND WATER

Client ID: IR13-SB02
Batch ID: 719462
Run Date: 01/21/2008 19:18
Prep Date: 01/21/2008 16:06
Data File: 018f1801.d
018b1801.d

Client: CATL002
Method: SW846 8081A
Inst: ECD5A.I
Analyst: HXJ1
Aliquot: 1040 mL
Column: 1 CLP-1
2 CLP-2

Project: CATL00107
SOP Ref: GL-OA-E-041
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
319-84-6	alpha-BHC	U	0.0192	ug/L	0.00481	0.0192	1
58-89-9	gamma-BHC (Lindane)	U	0.0192	ug/L	0.00481	0.0192	1
319-85-7	beta-BHC	U	0.0192	ug/L	0.00813	0.0192	1
319-86-8	delta-BHC	U	0.0192	ug/L	0.00481	0.0192	1
76-44-8	Heptachlor	U	0.0192	ug/L	0.0063	0.0192	1
309-00-2	Aldrin	U	0.0192	ug/L	0.00481	0.0192	1
1024-57-3	Heptachlor epoxide	U	0.0192	ug/L	0.00481	0.0192	1
959-98-8	Endosulfan I	U	0.0192	ug/L	0.00481	0.0192	1
72-55-9	4,4'-DDE	U	0.0385	ug/L	0.00481	0.0385	1
60-57-1	Dieldrin	U	0.0385	ug/L	0.00481	0.0385	1
72-20-8	Endrin	U	0.0385	ug/L	0.00481	0.0385	1
72-54-8	4,4'-DDD	U	0.0385	ug/L	0.00481	0.0385	1
33213-65-9	Endosulfan II	U	0.0385	ug/L	0.00481	0.0385	1
7421-93-4	Endrin aldehyde	U	0.0385	ug/L	0.00481	0.0385	1
50-29-3	4,4'-DDT	U	0.0385	ug/L	0.00962	0.0385	1
1031-07-8	Endosulfan sulfate	U	0.0385	ug/L	0.00481	0.0385	1
72-43-5	Methoxychlor	U	0.192	ug/L	0.0481	0.192	1
53494-70-5	Endrin ketone	U	0.0385	ug/L	0.0121	0.0385	1
57-74-9	Chlordane (tech.)	U	0.240	ug/L	0.0736	0.240	1
8001-35-2	Toxaphene	U	0.481	ug/L	0.144	0.481	1

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CLP-1

Data file : /chem/ecd5a.i/012108.b/018f1801.d
Lab Smp Id: 201226001 Client Smp ID: IR13-SB02
Inj Date : 21-JAN-2008 19:18
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |201226001|1|
Misc Info : |ECD81A_1L|719462|SVP|CATL|GROUND WATER|IR13-SB02|||
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
Meth Date : 22-Jan-2008 21:14 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010f1001.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * \text{Vt} / (\text{Vo} * \text{Vi}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1040.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

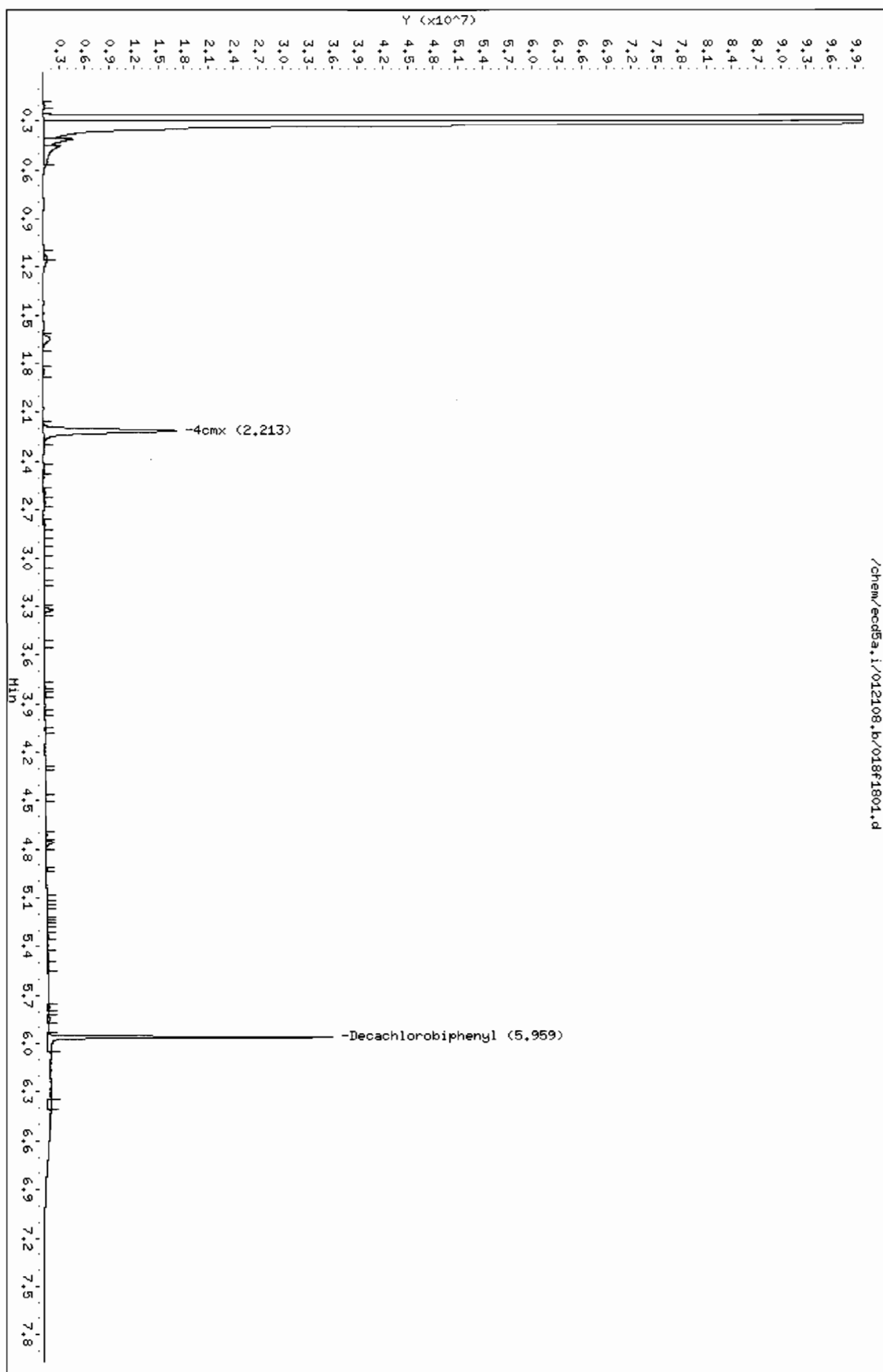
CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 1 4cmx			CAS #: 877-09-8			
2.213	2.212	0.001	28027619 99.4051	0.478	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl			CAS #: 2051-24-3			
5.959	5.958	0.001	28439270 149.512	0.719	80.00- 120.00	100.00

Data File: /chem/ecd5a.i/012108.b/018f1801.d
Date : 21-JAN-2008 19:18
Client ID: IR13-SB02
Sample Info: 120122600111
Volume Injected (uL): 1.0
Column phase: CLP-1

Instrument: ecd5a.i
Operator: HXJL
Column diameter: 0.25

Page 1



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/012108.b/018b1801.d
Lab Smp Id: 201226001 Client Smp ID: IR13-SB02
Inj Date : 21-JAN-2008 19:18
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |201226001|1|
Misc Info : |ECD81A_1L|719462|SVP|CATL|GROUND WATER|IR13-SB02|||
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
Meth Date : 22-Jan-2008 18:32 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010b1001.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1040.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

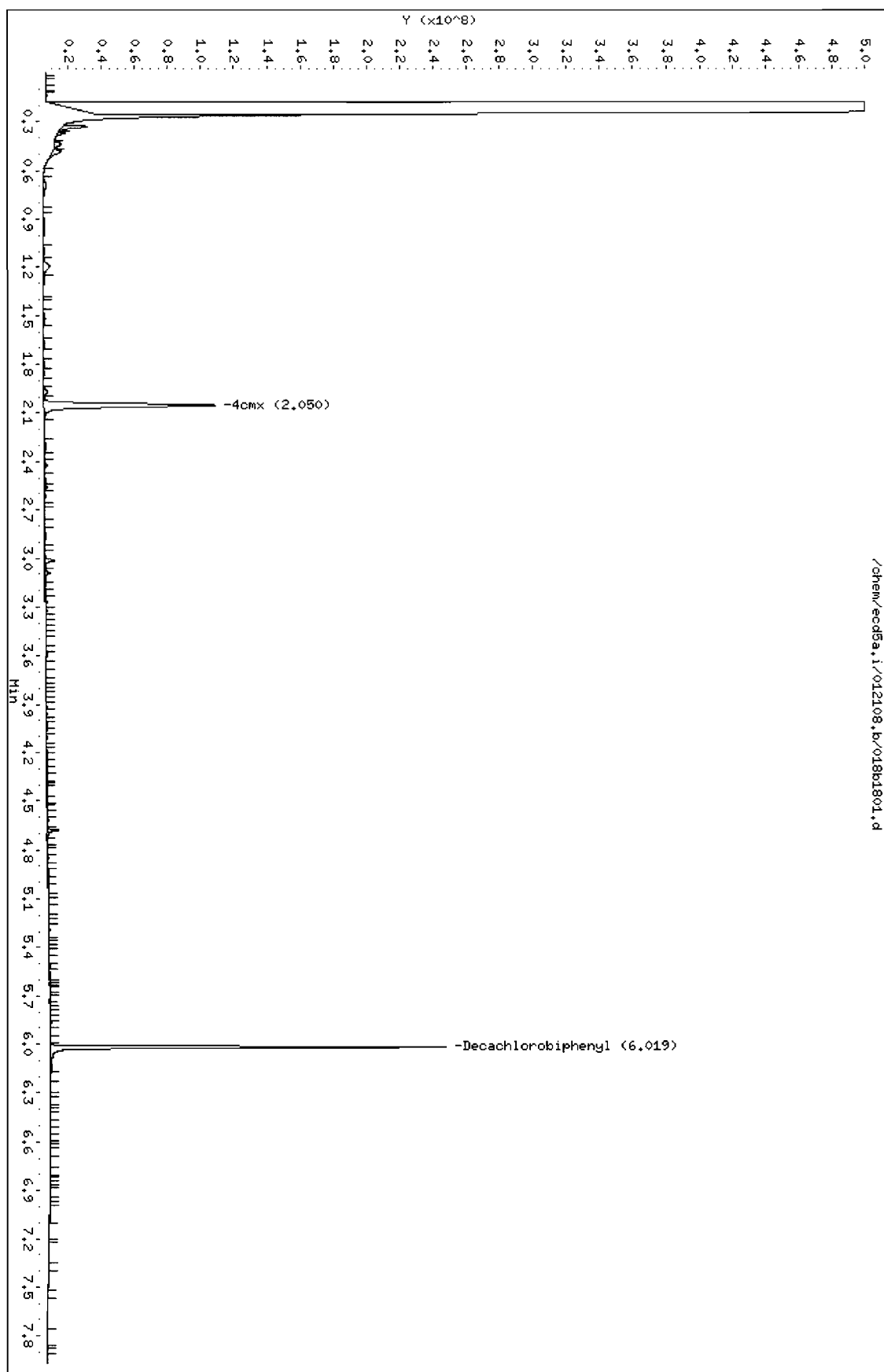
CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 1 4cmx					CAS #: 877-09-8	
2.050	2.048	0.002	164324982	96.2410	0.463 80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3	
6.019	6.018	0.001	198498117	130.014	0.625 80.00- 120.00	100.00

Data File: /chem/ecd5a.i/012108.b/018b1801.d
Date : 21-Jan-2008 19:18
Client ID: IR13-SB02
Sample Info: 120122600111
Volume Injected (uL): 1.0
Column phase: CLP-2

Instrument: ecd5a.1
Operator: HKJ1
Column diameter: 0.25

Page 1



**Pesticide
Certificate of Analysis
Sample Summary**

Page 1 of 1

SDG Number: 201226	Date Collected: 01/14/2008 15:00	Matrix: GROUND WATER
Lab Sample ID: 201226002	Date Received: 01/18/2008 09:15	
Client ID: IR13-SB03	Client: CATL002	Project: CATL00107
Batch ID: 719462	Method: SW846 8081A	SOP Ref: GL-OA-E-041
Run Date: 01/21/2008 19:30	Inst: ECD5A.I	Dilution: 1
Prep Date: 01/21/2008 16:06	Analyst: HXJ1	Inj. Vol: 1 uL
Data File: 019f1901.d	Aliquot: 1040 mL	Final Volume: 5 mL
	Column: 1 CLP-1	Level: LOW
	2 CLP-2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
319-84-6	alpha-BHC	U	0.0192	ug/L	0.00481	0.0192	1
58-89-9	gamma-BHC (Lindane)	U	0.0192	ug/L	0.00481	0.0192	1
319-85-7	beta-BHC	U	0.0192	ug/L	0.00813	0.0192	1
319-86-8	delta-BHC	U	0.0192	ug/L	0.00481	0.0192	1
76-44-8	Heptachlor	U	0.0192	ug/L	0.0063	0.0192	1
309-00-2	Aldrin	U	0.0192	ug/L	0.00481	0.0192	1
1024-57-3	Heptachlor epoxide	U	0.0192	ug/L	0.00481	0.0192	1
959-98-8	Endosulfan I	U	0.0192	ug/L	0.00481	0.0192	1
72-55-9	4,4'-DDE	U	0.0385	ug/L	0.00481	0.0385	1
60-57-1	Dieldrin	U	0.0385	ug/L	0.00481	0.0385	1
72-20-8	Endrin	U	0.0385	ug/L	0.00481	0.0385	1
72-54-8	4,4'-DDD	U	0.0385	ug/L	0.00481	0.0385	1
33213-65-9	Endosulfan II	U	0.0385	ug/L	0.00481	0.0385	1
7421-93-4	Endrin aldehyde	U	0.0385	ug/L	0.00481	0.0385	1
50-29-3	4,4'-DDT	U	0.0385	ug/L	0.00962	0.0385	1
1031-07-8	Endosulfan sulfate	U	0.0385	ug/L	0.00481	0.0385	1
72-43-5	Methoxychlor	U	0.192	ug/L	0.0481	0.192	1
53494-70-5	Endrin ketone	U	0.0385	ug/L	0.0121	0.0385	1
57-74-9	Chlordane (tech.)	U	0.240	ug/L	0.0736	0.240	1
8001-35-2	Toxaphene	U	0.481	ug/L	0.144	0.481	1

Data File: /chem/ecd5a.i/012108.b/019f1901.d
Report Date: 22-Jan-2008 21:17

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GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/012108.b/019f1901.d
Lab Smp Id: 201226002 Client Smp ID: IR13-SB03
Inj Date : 21-JAN-2008 19:30
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |201226002|1|
Misc Info : |ECD81A_1L|719462|SVP|CATL|GROUND WATER|IR13-SB03|||
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
Meth Date : 22-Jan-2008 21:14 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010f1001.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1040.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

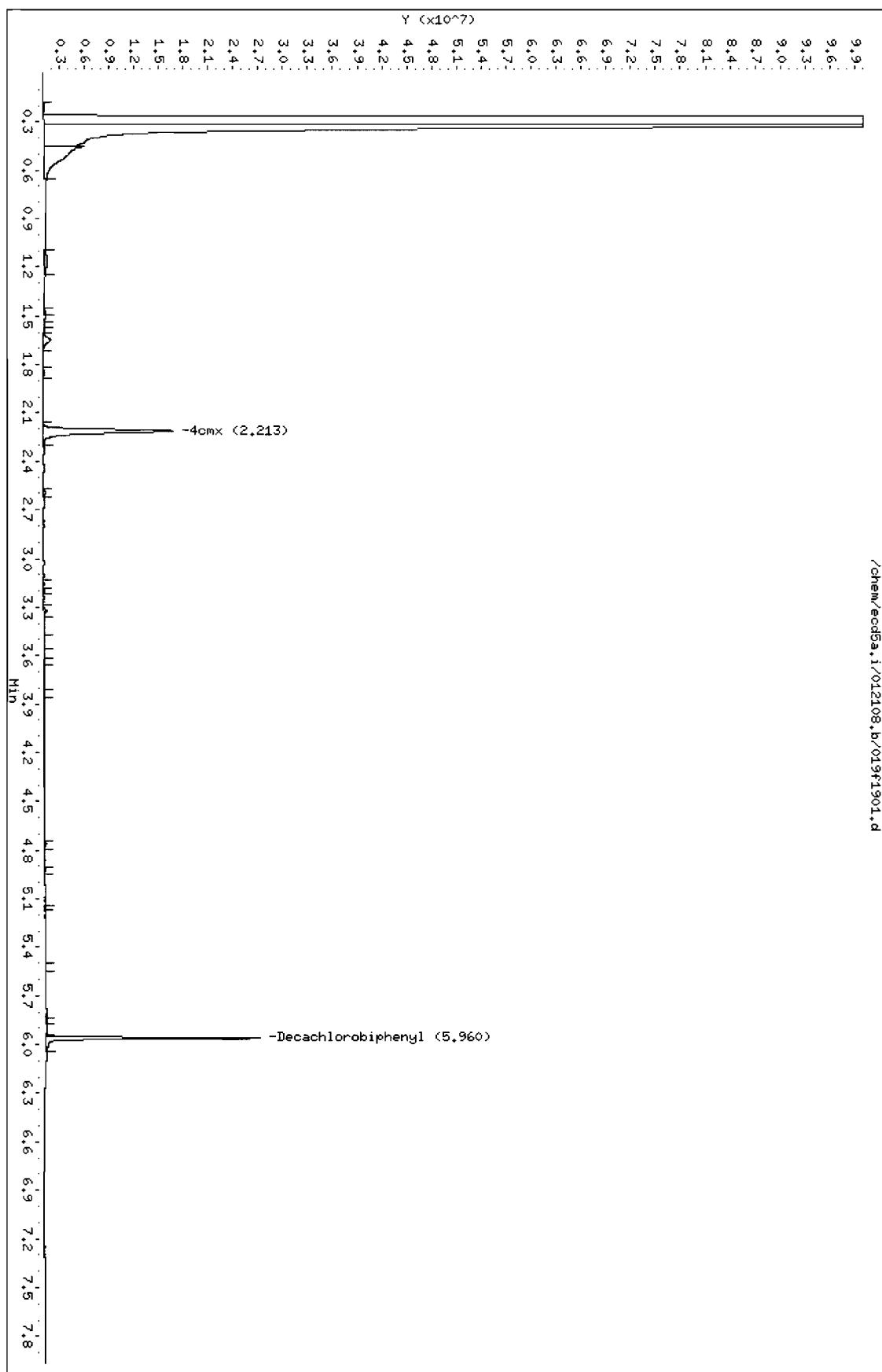
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 1 4cmx					CAS #: 877-09-8	
2.213	2.212	0.001	27563418	97.7587	0.470 80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3	
5.960	5.958	0.002	21106094	109.840	0.528 80.00- 120.00	100.00

Data File: /chem/ecdb5a.i/012108.b/019f1901.d
Date : 21-JAN-2008 19:30
Client ID: IR13-SB03
Sample Info: 1201226002111
Volume Injected (uL): 1.0
Column phase: CLP-1

Instrument: ecdb5a.i
Operator: HXJ1
Column diameter: 0.25

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GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/012108.b/019b1901.d
 Lab Smp Id: 201226002 Client Smp ID: IR13-SB03
 Inj Date : 21-JAN-2008 19:30
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |201226002|1|
 Misc Info : |ECD81A_1L|719462|SVP|CATL|GROUND WATER|IR13-SB03|||
 Comment :
 Method : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
 Meth Date : 22-Jan-2008 18:32 hea01125 Quant Type: ESTD
 Cal Date : 18-JAN-2008 21:19 Cal File: 010b1001.d
 Als bottle: 19
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 201226.sub
 Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1040.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

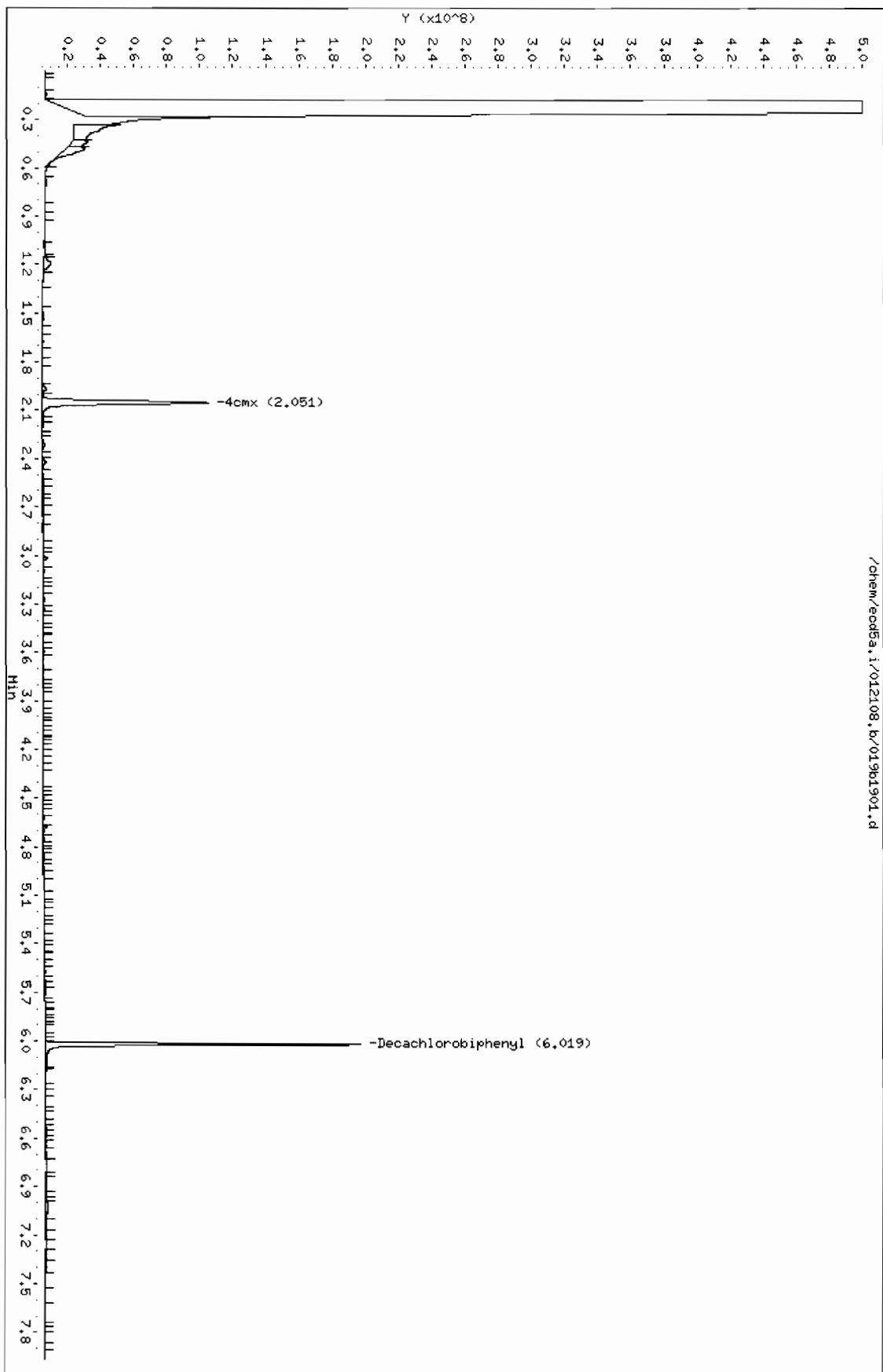
			CONCENTRATIONS				
RT	EXP RT	DLT RT	ON-COL		FINAL	TARGET RANGE	RATIO
==	=====	=====	RESPONSE	(ug/L)	(ug/L)		=====
\$ 1 4cmx					CAS #:	877-09-8	
2.051	2.048	0.003	160709254	94.1233	0.452	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #:	2051-24-3	
6.019	6.018	0.001	160945452	105.418	0.507	80.00- 120.00	100.00

Data File: /chem/ecdf5a.i/012108.b/019b1901.d
Date : 21-JAN-2008 19:30
Client ID: IR13-SB03
Sample Info: 120122600211
Volume Injected (uL): 1.0
Column phase: CLP-2

Instrument: ecdf5a.i
Operator: HXJ1
Column diameter: 0.25

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**Pesticide
Certificate of Analysis
Sample Summary**

SDG Number: 201226
Lab Sample ID: 201226003

Date Collected: 01/11/2008 14:30
Date Received: 01/18/2008 09:15

Matrix: GROUND WATER

Client ID: IR13-SB03
Batch ID: 719462
Run Date: 01/21/2008 19:41
Prep Date: 01/21/2008 16:06
Data File: 020f2001.d
020b2001.d

Client: CATL002
Method: SW846 8081A
Inst: ECD5A.I
Analyst: HXJ1
Aliquot: 950 mL
Column: 1 CLP-1
2 CLP-2

Project: CATL00107
SOP Ref: GL-OA-E-041
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
319-84-6	alpha-BHC	Uh	0.0211	ug/L	0.00526	0.0211	1
58-89-9	gamma-BHC (Lindane)	Uh	0.0211	ug/L	0.00526	0.0211	1
319-85-7	beta-BHC	Uh	0.0211	ug/L	0.00889	0.0211	1
319-86-8	delta-BHC	Uh	0.0211	ug/L	0.00526	0.0211	1
76-44-8	Heptachlor	Uh	0.0211	ug/L	0.00689	0.0211	1
309-00-2	Aldrin	Uh	0.0211	ug/L	0.00526	0.0211	1
1024-57-3	Heptachlor epoxide	Uh	0.0211	ug/L	0.00526	0.0211	1
959-98-8	Endosulfan I	Uh	0.0211	ug/L	0.00526	0.0211	1
72-55-9	4,4'-DDE	Uh	0.0421	ug/L	0.00526	0.0421	1
60-57-1	Dieldrin	Uh	0.0421	ug/L	0.00526	0.0421	1
72-20-8	Endrin	Uh	0.0421	ug/L	0.00526	0.0421	1
72-54-8	4,4'-DDD	Uh	0.0421	ug/L	0.00526	0.0421	1
33213-65-9	Endosulfan II	Uh	0.0421	ug/L	0.00526	0.0421	1
7421-93-4	Endrin aldehyde	Uh	0.0421	ug/L	0.00526	0.0421	1
50-29-3	4,4'-DDT	Uh	0.0421	ug/L	0.0105	0.0421	1
1031-07-8	Endosulfan sulfate	Uh	0.0421	ug/L	0.00526	0.0421	1
72-43-5	Methoxychlor	Uh	0.211	ug/L	0.0526	0.211	1
53494-70-5	Endrin ketone	Uh	0.0421	ug/L	0.0132	0.0421	1
57-74-9	Chlordane (tech.)	Uh	0.263	ug/L	0.0805	0.263	1
8001-35-2	Toxaphene	Uh	0.526	ug/L	0.158	0.526	1

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CLP-1

Data file : /chem/ecd5a.i/012108.b/020f2001.d
Lab Smp Id: 201226003 Client Smp ID: IR13-SB03
Inj Date : 21-JAN-2008 19:41
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |201226003|1|
Misc Info : |ECD81A_1L|719462|SVP|CATL|GROUND WATER|IR13-SB03|||
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
Meth Date : 22-Jan-2008 21:14 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010f1001.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	950.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

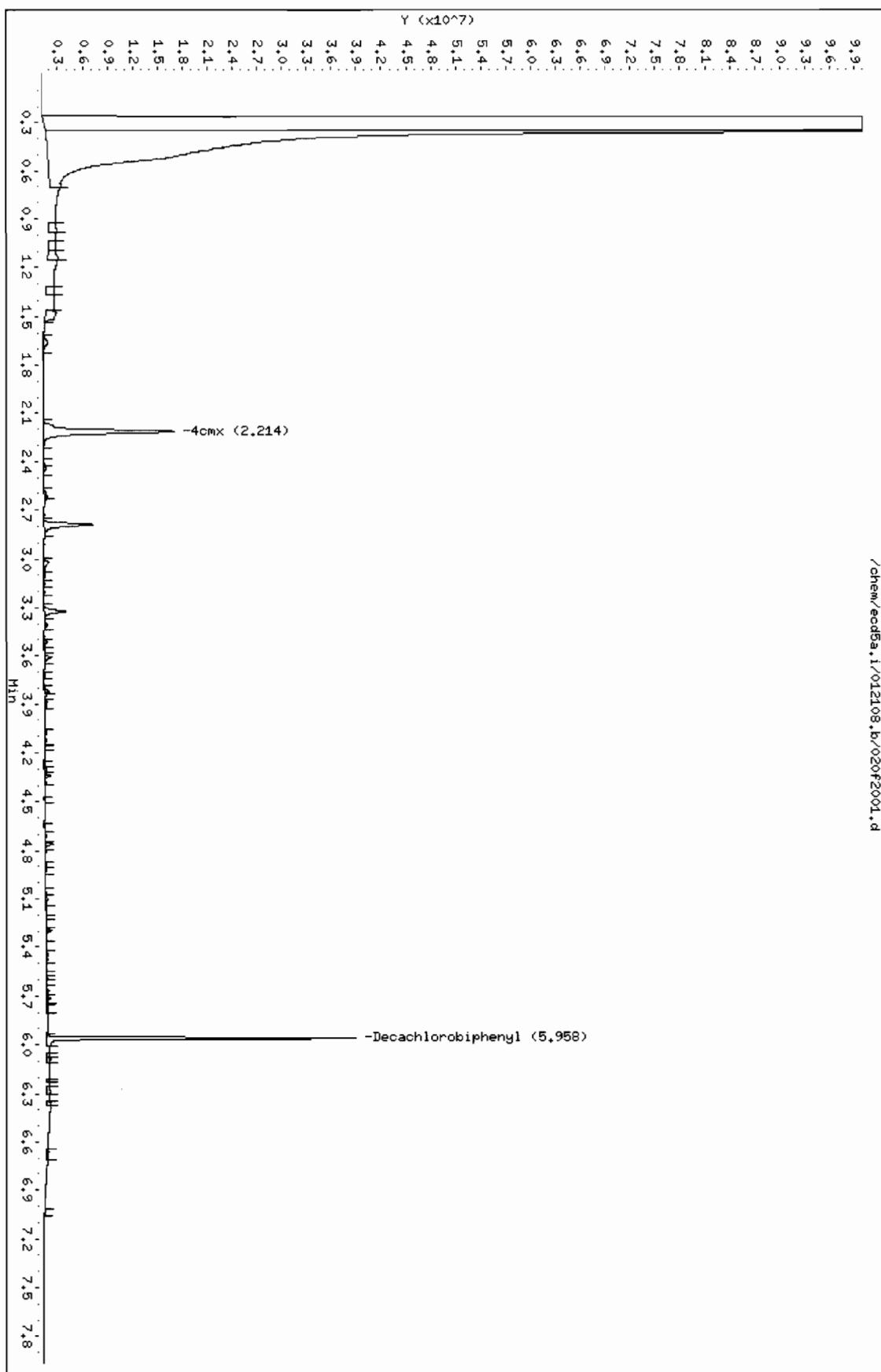
CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 1 4cmx				CAS #: 877-09-8		
2.214	2.212	0.002	30258841 107.319	0.565	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl				CAS #: 2051-24-3		
5.958	5.958	0.000	28144728 147.919	0.778	80.00- 120.00	100.00

Data File: /chem/ecdb5a.i/012108.b/020f2001.d
Date : 21-Jan-2008 19:41
Client ID: IR13-SB03
Sample Info: 12012600311
Volume Injected (uL): 1.0
Column phase: CLP-1

Instrument: ecdb5a.1
Operator: HXJL
Column diameter: 0.25

/chem/ecdb5a.i/012108.b/020f2001.d



Data File: /chem/ecd5a.i/012108.b/020b2001.d
Report Date: 23-Jan-2008 18:25

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GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/012108.b/020b2001.d
Lab Smp Id: 201226003 Client Smp ID: IR13-SB03
Inj Date : 21-JAN-2008 19:41
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |201226003|1|
Misc Info : |ECD81A_1L|719462|SVP|CATL|GROUND WATER|IR13-SB03|||
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
Meth Date : 22-Jan-2008 18:32 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010b1001.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	950.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

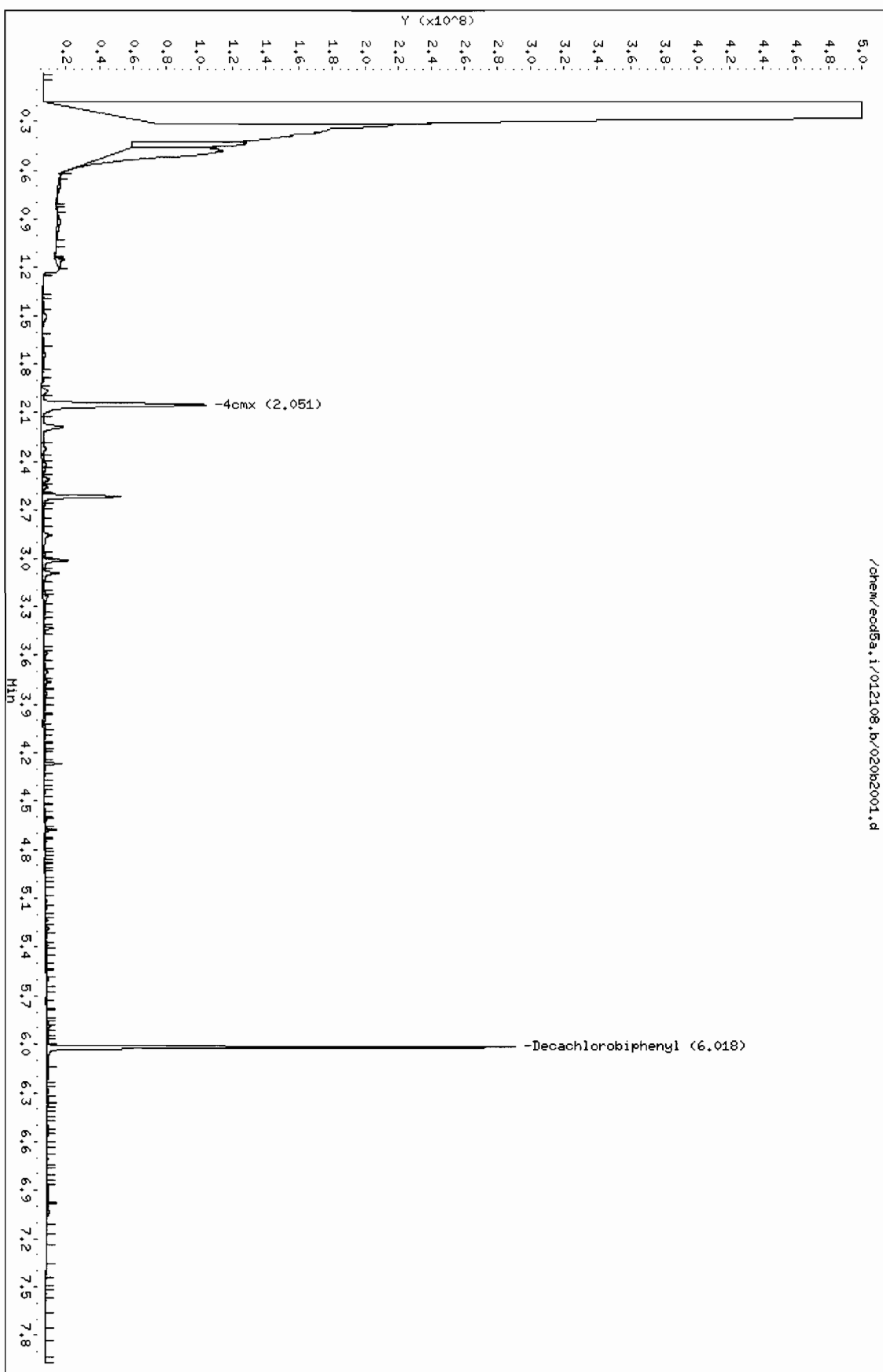
Cpnd Variable Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
**	*****	*****	*****	*****	*****	*****	
\$ 1 4cmx					CAS #: 877-09-8		
2.051	2.048	0.003	167342539 98.0083	0.516	80.00- 120.00	100.00	

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3		
6.018	6.018	0.000	220020252 144.111	0.758	80.00- 120.00	100.00	

Data File: /chem/ecdf5a.i/012108.b/020b2001.d
Date : 21-JAN-2008 19:41
Client ID: IR13-SB03
Sample Info: 1201226003111
Volume Injected (uL): 1.0
Column phase: CLP-2

Instrument: ecdf5a.i
Operator: HXJ1
Column diameter: 0.25



STANDARDS DATA

Report Date: 21-Jan-2008 17:25

Calibration History

Method : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
Start Cal Date: 10-DEC-2006 15:43
End Cal Date : 18-JAN-2008 21:19

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.00000		
18-JAN-2008 20:05	GAPA	/chem/ecd5a.i/011808.b/006f0601.d
11-DEC-2006 12:09	AR1232	/chem/ecd5a.i/121106.b/008f0801.d
20-DEC-2007 01:14	AR1221	/chem/ecd5a.i/121907.b/012f1201.d
10-DEC-2006 22:42	AR1242	/chem/ecd5a.i/121006.b/039f3901.d
10-DEC-2006 21:32	AR1248	/chem/ecd5a.i/121006.b/033f3301.d
10-DEC-2006 20:22	AR1254	/chem/ecd5a.i/121006.b/027f2701.d
20-DEC-2007 06:07	AR1660	/chem/ecd5a.i/121907.b/037f3701.d
20-DEC-2007 02:36	Chlor	/chem/ecd5a.i/121907.b/019f1901.d
20-DEC-2007 01:26	Tox	/chem/ecd5a.i/121907.b/013f1301.d
28-DEC-2007 19:21	INDAB	/chem/ecd5a.i/122807.b/006f0601.d

Cal Level: 2 , Cal Amount: 10.00000		
18-JAN-2008 20:17	GAPA	/chem/ecd5a.i/011808.b/007f0701.d
11-DEC-2006 12:21	AR1232	/chem/ecd5a.i/121106.b/009f0901.d
11-DEC-2006 11:11	AR1221	/chem/ecd5a.i/121106.b/003f0301.d
10-DEC-2006 22:54	AR1242	/chem/ecd5a.i/121006.b/040f4001.d
10-DEC-2006 21:44	AR1248	/chem/ecd5a.i/121006.b/034f3401.d
10-DEC-2006 20:34	AR1254	/chem/ecd5a.i/121006.b/028f2801.d
20-DEC-2007 06:18	AR1660	/chem/ecd5a.i/121907.b/038f3801.d
20-DEC-2007 02:48	Chlor	/chem/ecd5a.i/121907.b/020f2001.d
20-DEC-2007 01:37	Tox	/chem/ecd5a.i/121907.b/014f1401.d
28-DEC-2007 19:33	INDAB	/chem/ecd5a.i/122807.b/007f0701.d

Cal Level: 3 , Cal Amount: 50.00000		
18-JAN-2008 20:28	GAPA	/chem/ecd5a.i/011808.b/008f0801.d
11-DEC-2006 12:33	AR1232	/chem/ecd5a.i/121106.b/010f1001.d
11-DEC-2006 11:23	AR1221	/chem/ecd5a.i/121106.b/004f0401.d
10-DEC-2006 23:05	AR1242	/chem/ecd5a.i/121006.b/041f4101.d
10-DEC-2006 21:55	AR1248	/chem/ecd5a.i/121006.b/035f3501.d
10-DEC-2006 20:46	AR1254	/chem/ecd5a.i/121006.b/029f2901.d
20-DEC-2007 06:30	AR1660	/chem/ecd5a.i/121907.b/039f3901.d
20-DEC-2007 02:59	Chlor	/chem/ecd5a.i/121907.b/021f2101.d
20-DEC-2007 01:49	Tox	/chem/ecd5a.i/121907.b/015f1501.d
28-DEC-2007 19:45	INDAB	/chem/ecd5a.i/122807.b/008f0801.d

Cal Level: 4 , Cal Amount: 100.00000		
20-JUL-2007 09:59	2,4,5-TCP	/chem/ecd5a.i/072007.b/006f0601.d
20-APR-2007 10:11	FLORISIL	/chem/ecd5a.i/042007.b/005f0501.d
18-JAN-2008 21:08	GAPA	/chem/ecd5a.i/011808.b/009f0901.d
17-JAN-2008 18:59	AR1232	/chem/ecd5a.i/011708.b/011f1101.d
17-JAN-2008 19:10	AR1221	/chem/ecd5a.i/011708.b/012f1201.d

17-JAN-2008 18:35	AR1242	/chem/ecd5a.i/011708.b/009f0901.d
17-JAN-2008 18:47	AR1248	/chem/ecd5a.i/011708.b/010f1001.d
17-JAN-2008 18:24	AR1254	/chem/ecd5a.i/011708.b/008f0801.d
20-DEC-2007 06:42	AR1660	/chem/ecd5a.i/121907.b/040f4001.d
20-DEC-2007 03:11	Chlor	/chem/ecd5a.i/121907.b/022f2201.d
20-DEC-2007 02:01	Tox	/chem/ecd5a.i/121907.b/016f1601.d
28-DEC-2007 19:57	INDAB	/chem/ecd5a.i/122807.b/009f0901.d

Cal Level: 5 , Cal Amount: 200.00000		
18-JAN-2008 21:19	GAPA	/chem/ecd5a.i/011808.b/010f1001.d
11-DEC-2006 12:56	AR1232	/chem/ecd5a.i/121106.b/012f1201.d
11-DEC-2006 11:46	AR1221	/chem/ecd5a.i/121106.b/006f0601.d
10-DEC-2006 23:28	AR1242	/chem/ecd5a.i/121006.b/043f4301.d
10-DEC-2006 22:19	AR1248	/chem/ecd5a.i/121006.b/037f3701.d
10-DEC-2006 21:09	AR1254	/chem/ecd5a.i/121006.b/031f3101.d
20-DEC-2007 06:53	AR1660	/chem/ecd5a.i/121907.b/041f4101.d
20-DEC-2007 03:23	Chlor	/chem/ecd5a.i/121907.b/023f2301.d
20-DEC-2007 02:12	Tox	/chem/ecd5a.i/121907.b/017f1701.d
28-DEC-2007 20:08	INDAB	/chem/ecd5a.i/122807.b/010f1001.d

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 4

Ccal Level: 4 , Ccal Amount: 100		
21-JAN-2008 16:46	Chlor	/chem/ecd5a.i/012108.b/005f0501.d
Ccal Level: 4 , Ccal Amount: 100		
21-JAN-2008 16:34	Tox	/chem/ecd5a.i/012108.b/004f0401.d
Ccal Level: 4 , Ccal Amount: 100		
21-JAN-2008 16:58	INDAB	/chem/ecd5a.i/012108.b/006f0601.d
Ccal Level: 4 , Ccal Amount: 100		
21-JAN-2008 16:23	INDAB	/chem/ecd5a.i/012108.b/003f0301.d

Report Date: 21-Jan-2008 17:25

Calibration History

Method : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
Start Cal Date: 10-DEC-2006 15:43
End Cal Date : 18-JAN-2008 21:19

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.00000		
18-JAN-2008 20:05	GAPA	/chem/ecd5a.i/011808.b/006b0601.d
11-DEC-2006 12:09	AR1232	/chem/ecd5a.i/121106.b/008b0801.d
11-DEC-2006 10:59	AR1221	/chem/ecd5a.i/121106.b/002b0201.d
10-DEC-2006 22:42	AR1242	/chem/ecd5a.i/121006.b/039b3901.d
10-DEC-2006 21:32	AR1248	/chem/ecd5a.i/121006.b/033b3301.d
10-DEC-2006 20:22	AR1254	/chem/ecd5a.i/121006.b/027b2701.d
20-DEC-2007 06:07	AR1660	/chem/ecd5a.i/121907.b/037b3701.d
20-DEC-2007 02:36	Chlor	/chem/ecd5a.i/121907.b/019b1901.d
20-DEC-2007 01:26	Tox	/chem/ecd5a.i/121907.b/013b1301.d
28-DEC-2007 19:21	INDAB	/chem/ecd5a.i/122807.b/006b0601.d

Cal Level: 2 , Cal Amount: 10.00000		
18-JAN-2008 20:17	GAPA	/chem/ecd5a.i/011808.b/007b0701.d
11-DEC-2006 12:21	AR1232	/chem/ecd5a.i/121106.b/009b0901.d
11-DEC-2006 11:11	AR1221	/chem/ecd5a.i/121106.b/003b0301.d
10-DEC-2006 22:54	AR1242	/chem/ecd5a.i/121006.b/040b4001.d
10-DEC-2006 21:44	AR1248	/chem/ecd5a.i/121006.b/034b3401.d
10-DEC-2006 20:34	AR1254	/chem/ecd5a.i/121006.b/028b2801.d
20-DEC-2007 06:18	AR1660	/chem/ecd5a.i/121907.b/038b3801.d
20-DEC-2007 02:48	Chlor	/chem/ecd5a.i/121907.b/020b2001.d
20-DEC-2007 01:37	Tox	/chem/ecd5a.i/121907.b/014b1401.d
28-DEC-2007 19:33	INDAB	/chem/ecd5a.i/122807.b/007b0701.d

Cal Level: 3 , Cal Amount: 50.00000		
18-JAN-2008 20:28	GAPA	/chem/ecd5a.i/011808.b/008b0801.d
11-DEC-2006 12:33	AR1232	/chem/ecd5a.i/121106.b/010b1001.d
11-DEC-2006 11:23	AR1221	/chem/ecd5a.i/121106.b/004b0401.d
10-DEC-2006 23:05	AR1242	/chem/ecd5a.i/121006.b/041b4101.d
10-DEC-2006 21:55	AR1248	/chem/ecd5a.i/121006.b/035b3501.d
10-DEC-2006 20:46	AR1254	/chem/ecd5a.i/121006.b/029b2901.d
20-DEC-2007 06:30	AR1660	/chem/ecd5a.i/121907.b/039b3901.d
20-DEC-2007 02:59	Chlor	/chem/ecd5a.i/121907.b/021b2101.d
20-DEC-2007 01:49	Tox	/chem/ecd5a.i/121907.b/015b1501.d
28-DEC-2007 19:45	INDAB	/chem/ecd5a.i/122807.b/008b0801.d

Cal Level: 4 , Cal Amount: 100.00000		
20-JUL-2007 09:59	2,4,5-TCP	/chem/ecd5a.i/072007.b/006b0601.d
20-APR-2007 10:11	FLORISIL	/chem/ecd5a.i/042007.b/005b0501.d
18-JAN-2008 21:08	GAPA	/chem/ecd5a.i/011808.b/009b0901.d
17-JAN-2008 18:59	AR1232	/chem/ecd5a.i/011708.b/011b1101.d
17-JAN-2008 19:11	AR1221	/chem/ecd5a.i/011708.b/012b1201.d
17-JAN-2008 18:35	AR1242	/chem/ecd5a.i/011708.b/009b0901.d
17-JAN-2008 18:47	AR1248	/chem/ecd5a.i/011708.b/010b1001.d
17-JAN-2008 18:24	AR1254	/chem/ecd5a.i/011708.b/008b0801.d
20-DEC-2007 06:42	AR1660	/chem/ecd5a.i/121907.b/040b4001.d
20-DEC-2007 03:11	Chlor	/chem/ecd5a.i/121907.b/022b2201.d

20-DEC-2007 02:01	Tox	/chem/ecd5a.i/121907.b/016b1601.d
28-DEC-2007 19:57	INDAB	/chem/ecd5a.i/122807.b/009b0901.d

Cal Level: 5 , Cal Amount: 200.00000

18-JAN-2008 21:19	GAPA	/chem/ecd5a.i/011808.b/010b1001.d
11-DEC-2006 12:56	AR1232	/chem/ecd5a.i/121106.b/012b1201.d
11-DEC-2006 11:46	AR1221	/chem/ecd5a.i/121106.b/006b0601.d
10-DEC-2006 23:28	AR1242	/chem/ecd5a.i/121006.b/043b4301.d
10-DEC-2006 22:19	AR1248	/chem/ecd5a.i/121006.b/037b3701.d
10-DEC-2006 21:09	AR1254	/chem/ecd5a.i/121006.b/031b3101.d
20-DEC-2007 06:53	AR1660	/chem/ecd5a.i/121907.b/041b4101.d
20-DEC-2007 03:23	Chlor	/chem/ecd5a.i/121907.b/023b2301.d
20-DEC-2007 02:12	Tox	/chem/ecd5a.i/121907.b/017b1701.d
28-DEC-2007 20:08	INDAB	/chem/ecd5a.i/122807.b/010b1001.d

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 4

Ccal Level: 4 , Ccal Amount: 100

21-JAN-2008 16:46	Chlor	/chem/ecd5a.i/012108.b/005b0501.d

Ccal Level: 4 , Ccal Amount: 100

21-JAN-2008 16:34	Tox	/chem/ecd5a.i/012108.b/004b0401.d

Ccal Level: 4 , Ccal Amount: 100

21-JAN-2008 16:58	INDAB	/chem/ecd5a.i/012108.b/006b0601.d

Ccal Level: 4 , Ccal Amount: 100

21-JAN-2008 16:23	INDAB	/chem/ecd5a.i/012108.b/003b0301.d

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
 Quant Method : ESTD Target Version : 3.50
 Last Update : 21-Jan-2008 17:24 Number of Cpnds : 44
 Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events Values

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-----
Initial:Start Threshold 25917.000000
Initial:End Threshold   12958.500000
Initial:Area Threshold  24289.000000
Initial:P-P Resolution   1.000000
Initial:Bunch Factor     5.000000
Initial:Negative Peaks   OFF
Initial:Tension          2.500000
  
```

Compound	RT	RT Window	RF
\$ 1 4cmx	2.212	2.182-2.242	2.820e+05
63 2,4,5-Trichlorophenol	1.180	1.080-1.280	5.350e+04
59 Hexachlorobenzene	2.595	2.495-2.695	2.894e+05
2 Aroclor-1221	2.411	2.381-2.441	3.477e+03
	2.548	2.518-2.578	1.599e+04
	2.587	2.557-2.617	6.918e+04
3 Aroclor-1016	2.893	2.863-2.923	1.151e+04
	3.256	3.226-3.286	2.288e+04
	3.351	3.321-3.381	9.899e+03
	3.396	3.366-3.426	5.503e+03
4 Aroclor-1232	3.638	3.608-3.668	9.761e+03
	2.894	2.864-2.924	5.387e+03
	3.054	3.024-3.084	3.579e+03
	3.257	3.227-3.287	1.058e+04
	3.638	3.608-3.668	4.349e+03
5 alpha-BHC	3.938	3.908-3.968	3.629e+03
6 Aroclor-1242	2.743	2.713-2.773	3.540e+05
	2.895	2.795-2.995	9.141e+03
	3.257	3.157-3.357	1.757e+04
	3.353	3.253-3.453	7.658e+03
	3.639	3.539-3.739	7.614e+03
	3.920	3.820-4.020	5.181e+03
7 gamma-BHC (Lindane)	3.012	2.982-3.042	3.267e+05

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m

Compound	RT	RT Window	RF
8 Chlordane (tech.)	3.319	3.219-3.419	9.385e+03
	3.964	3.864-4.064	5.487e+03
	4.089	3.989-4.189	3.274e+04
	4.172	4.072-4.272	4.918e+04
	4.645	4.545-4.745	8.816e+03
9 Aroclor-1248	3.243	3.143-3.343	1.123e+04
	3.638	3.538-3.738	1.260e+04
	3.937	3.837-4.037	1.063e+04
	4.061	3.962-4.162	8.827e+03
	4.309	4.209-4.409	6.011e+03
10 Heptachlor	3.383	3.353-3.413	3.408e+05
11 Aldrin	3.597	3.567-3.627	3.266e+05
12 beta-BHC	3.089	3.059-3.119	1.475e+05
13 delta-BHC	3.223	3.193-3.253	3.259e+05
14 Heptachlor epoxide	4.006	3.976-4.036	3.044e+05
15 Aroclor-1254	3.891	3.861-3.921	1.100e+04
	4.060	4.030-4.090	1.524e+04
	4.308	4.278-4.338	1.909e+04
	4.591	4.561-4.621	1.495e+04
	4.759	4.729-4.789	2.034e+04
16 Endosulfan I	4.253	4.223-4.283	2.905e+05
17 gamma-Chlordane	4.090	4.060-4.120	3.042e+05
18 alpha-Chlordane	4.175	4.145-4.205	3.016e+05
19 4,4'-DDE	4.239	4.209-4.269	2.915e+05
20 Dieldrin	4.406	4.376-4.436	3.054e+05
21 Aroclor-1260	4.420	4.320-4.520	1.437e+04
	4.590	4.490-4.690	2.150e+04
	4.759	4.659-4.859	2.435e+04
	4.826	4.726-4.926	1.127e+04
	4.973	4.873-5.073	1.257e+04
22 Endrin	4.547	4.517-4.577	2.852e+05
23 Toxaphene	4.465	4.435-4.495	4.832e+03
	4.677	4.647-4.707	1.264e+04
	4.727	4.697-4.757	7.272e+03
	4.955	4.925-4.985	8.010e+03
	5.135	5.105-5.165	9.434e+03
24 Endosulfan II	4.682	4.652-4.712	2.590e+05
25 4,4'-DDD	4.604	4.574-4.634	2.515e+05
26 4,4'-DDT	4.773	4.743-4.803	2.430e+05
27 Endrin aldehyde	4.931	4.901-4.961	1.984e+05

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m

Compound	RT	RT Window	RF
28 Methoxychlor	5.066	5.036-5.096	1.201e+05
29 Endosulfan sulfate	5.185	5.155-5.215	2.390e+05
30 Aroclor-1268	5.039	4.939-5.139	
	5.063	4.963-5.163	
	5.174	5.074-5.274	
	5.383	5.283-5.483	
	5.548	5.448-5.648	
61 Aroclor-1262	4.121	4.021-4.221	
	4.289	4.189-4.389	
	4.525	4.425-4.625	
	4.671	4.571-4.771	
	4.854	4.754-4.954	
31 Endrin ketone	5.353	5.323-5.383	2.772e+05
51 Mirex	5.142	5.112-5.172	2.334e+05
52 C-Nonachlor	4.577	4.547-4.607	3.174e+05
53 O-Chlordane	3.943	3.913-3.973	2.930e+05
54 T-Nonachlor	4.169	4.139-4.199	3.097e+05
55 1,2-Dichlorobenzene	6.525	6.495-6.555	
56 2,4-DDE	4.020	3.990-4.050	2.008e+05
58 2,4-DDD	4.345	4.315-4.375	1.863e+05
57 2,4-DDT	4.501	4.471-4.531	1.927e+05
\$ 32 Decachlorobiphenyl	5.958	5.928-5.988	1.848e+05
M 62 TTO Sum Pesticides	1.000	0.980-1.020	

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
 Quant Method : ESTD Target Version : 3.50
 Last Update : 21-Jan-2008 17:24 Number of Cpnds : 43
 Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events Values

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Initial:Start Threshold 15389.000000
Initial:End Threshold   7694.500000
Initial:Area Threshold  11566.000000
Initial:P-P Resolution  1.000000
Initial:Bunch Factor     5.000000
Initial:Negative Peaks   OFF
Initial:Tension          1.000000
  
```

Compound	RT	RT Window	RF
\$ 1 4cmx	2.048	2.018-2.078	1.707e+06
61 2,4,5-Trichlorophenol	1.796	1.696-1.896	8.784e+05
59 Hexachlorobenzene	2.511	2.481-2.541	1.824e+06
2 Aroclor-1221	2.360	2.330-2.390	1.764e+04
	2.487	2.457-2.517	1.311e+04
	2.538	2.508-2.568	4.826e+04
3 Aroclor-1016	2.873	2.843-2.903	6.441e+04
	3.213	3.183-3.243	1.322e+05
	3.307	3.277-3.337	5.226e+04
	3.377	3.347-3.407	3.043e+04
	3.476	3.446-3.506	3.109e+04
4 Aroclor-1232	2.873	2.843-2.903	3.221e+04
	3.214	3.184-3.244	6.253e+04
	3.625	3.595-3.655	1.691e+04
	3.873	3.843-3.903	1.633e+04
	3.901	3.871-3.931	1.982e+04
5 alpha-BHC	2.649	2.619-2.679	2.140e+06
6 Aroclor-1242	2.873	2.843-2.903	4.976e+04
	3.214	3.184-3.244	1.033e+05
	3.625	3.595-3.655	3.023e+04
	3.873	3.843-3.903	2.989e+04
	3.900	3.870-3.930	3.564e+04
7 gamma-BHC (Lindane)	2.946	2.916-2.976	1.958e+06

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m

Compound	RT	RT Window	RF
8 Chlordane (tech.)	3.164	3.134-3.194	5.960e+04
	3.867	3.837-3.897	3.537e+04
	4.007	3.977-4.037	1.714e+05
	4.068	4.038-4.098	1.409e+05
	4.100	4.070-4.130	1.386e+05
9 Aroclor-1248	3.211	3.181-3.241	6.624e+04
	3.625	3.595-3.655	5.315e+04
	3.704	3.674-3.734	5.981e+04
	3.900	3.870-3.930	7.133e+04
	4.301	4.271-4.331	3.523e+04
10 Heptachlor	3.272	3.242-3.302	1.960e+06
11 Aldrin	3.496	3.466-3.526	1.827e+06
12 beta-BHC	3.030	3.000-3.060	8.560e+05
13 delta-BHC	3.244	3.214-3.274	1.951e+06
14 Heptachlor epoxide	3.885	3.855-3.915	1.672e+06
15 Aroclor-1254	3.895	3.865-3.925	7.234e+04
	4.300	4.270-4.330	1.199e+05
	4.440	4.410-4.470	8.078e+04
	4.647	4.617-4.677	6.471e+04
	4.759	4.729-4.789	1.134e+05
16 Endosulfan I	4.131	4.101-4.161	1.552e+06
17 gamma-Chlordane	4.008	3.978-4.038	1.703e+06
18 alpha-Chlordane	4.101	4.071-4.131	1.650e+06
19 4,4'-DDE	4.219	4.189-4.249	1.660e+06
20 Dieldrin	4.303	4.273-4.333	1.701e+06
21 Aroclor-1260	4.417	4.387-4.447	7.803e+04
	4.545	4.515-4.575	8.963e+04
	4.810	4.780-4.840	5.648e+04
	4.984	4.954-5.014	6.111e+04
	5.132	5.102-5.162	1.337e+05
22 Endrin	4.486	4.456-4.516	1.534e+06
23 Toxaphene	4.289	4.259-4.319	2.861e+04
	4.590	4.560-4.620	2.352e+04
	4.609	4.579-4.639	3.678e+04
	4.668	4.638-4.698	6.725e+04
	4.825	4.795-4.855	4.090e+04
24 Endosulfan II	4.617	4.587-4.647	1.450e+06
25 4,4'-DDD	4.571	4.541-4.601	1.414e+06
26 4,4'-DDT	4.756	4.726-4.786	1.301e+06
27 Endrin aldehyde	4.821	4.791-4.851	1.086e+06

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m

Compound	RT	RT Window	RF
28 Methoxychlor	5.164	5.134-5.194	5.709e+05
29 Endosulfan sulfate	4.986	4.956-5.016	1.341e+06
30 Aroclor-1268	5.243	5.213-5.273	
	5.599	5.569-5.629	
	5.627	5.597-5.657	
	5.778	5.748-5.808	
	6.137	6.107-6.167	
60 Aroclor-1262	4.674	4.574-4.774	
	4.798	4.698-4.898	
	5.066	4.966-5.166	
	5.243	5.143-5.343	
	5.389	5.289-5.489	
31 Endrin ketone	5.295	5.265-5.325	1.509e+06
51 Mirex	5.268	5.238-5.298	1.269e+06
52 C-Nonachlor	4.544	4.514-4.574	1.847e+06
53 O-Chlordane	3.827	3.797-3.857	1.616e+06
54 T-Nonachlor	4.070	4.040-4.100	1.721e+06
55 1,2-Dichlorobenzene	6.619	6.589-6.649	
56 2,4-DDE	4.021	3.991-4.051	1.101e+06
58 2,4-DDD	4.340	4.310-4.370	1.036e+06
57 2,4-DDT	4.522	4.492-4.552	9.976e+05
\$ 32 Decachlorobiphenyl	6.018	5.988-6.048	1.527e+06

GEL Laboratories LLC

INITIAL CALIBRATION DATA

Start Cal Date : 10-DEC-2006 15:43
 End Cal Date : 18-JAN-2008 21:19
 Quant Method : ESTD
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
 Cal Date : 21-Jan-2008 17:24 hea01125

Calibration File Names:

Level 1: /chem/ecd5a.i/011808.b/006f0601.d
 Level 2: /chem/ecd5a.i/011808.b/007f0701.d
 Level 3: /chem/ecd5a.i/011808.b/008f0801.d
 Level 4: /chem/ecd5a.i/072007.b/006f0601.d
 Level 5: /chem/ecd5a.i/011808.b/010f1001.d

Compound	2 Level 1	10 Level 2	50 Level 3	100 Level 4	200 Level 5	Curve	b	Coefficients ml	m2	%RSD or R ²
63 2,4,5-Trichlorophenol	++++	++++	++++	53502	++++	AVRG		53502		0.000e+00
59 Hexachlorobenzene	300611	283905	286291	282191	294159	AVRG		289431		2.67715
2 Aroclor-1221 (1)	++++	++++	++++	3477	++++	AVRG		3477		0.000e+00
(2)	29895	++++	++++	2087	++++	AVRG		15991		123 <=
(3)	129768	++++	++++	8586	++++	AVRG		69177		124 <=
3 Aroclor-1016 (1)	12487	11770	11979	11082	10210	AVRG		11506		7.66953
(2)	25679	24310	22284	21302	20808	AVRG		22877		9.01617
(3)	11021	10442	10092	9479	8462	AVRG		9899		9.88819
(4)	5802	5670	5601	5288	5155	AVRG		5503		4.92274
(5)	10648	10166	9907	9252	8832	AVRG		9761		7.41091
4 Aroclor-1232 (1)	++++	++++	++++	5387	++++	AVRG		5387		0.000e+00
(2)	++++	++++	++++	3579	++++	AVRG		3579		0.000e+00
(3)	++++	++++	++++	10580	++++	AVRG		10580		0.000e+00
(4)	++++	++++	++++	4349	++++	AVRG		4349		0.000e+00
(5)	++++	++++	++++	3629	++++	AVRG		3629		0.000e+00
5 alpha-BHC	319508	327299	360446	381444	381495	AVRG		354038		8.29926
6 Aroclor-1242 (1)	++++	++++	++++	9141	++++	AVRG		9141		0.000e+00
(2)	++++	++++	++++	17570	++++	AVRG		17570		0.000e+00
(3)	++++	++++	++++	7658	++++	AVRG		7658		0.000e+00
(4)	++++	++++	++++	7614	++++	AVRG		7614		0.000e+00
(5)	++++	++++	++++	5181	++++	AVRG		5181		0.000e+00

GEL Laboratories LLC

INITIAL CALIBRATION DATA

Start Cal Date : 10-DEC-2006 15:43
 End Cal Date : 18-JAN-2008 21:19
 Quant Method : ESTD
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
 Cal Date : 21-Jan-2008 17:24 hea01125

Compound	2	10	50	100	200	Curve	b	Coeficients	m1	m2	%RSD or R^2
7 gamma-BHC (Lindane)	315275	307256	323138	345867	341925	AVRG			326692		5.12307
8 Chlordane (tech.) (1)	9264	8878	9348	9510	9926	AVRG			9385		4.06193
(2)	5165	5194	5438	5749	5889	AVRG			5487		5.92014
(3)	30957	30193	33512	34240	34809	AVRG			32742		6.25835
(4)	49556	48613	48754	49759	49200	AVRG			49176		1.00652
(5)	9666	7900	8431	8805	9279	AVRG			8816		7.86555
9 Aroclor-1248 (1)	++++	++++	++++	11225	++++	AVRG			11225		0.000e+00
(2)	++++	++++	++++	12605	++++	AVRG			12605		0.000e+00
(3)	++++	++++	++++	10631	++++	AVRG			10631		0.000e+00
(4)	++++	++++	++++	8827	++++	AVRG			8827		0.000e+00
(5)	++++	++++	++++	6011	++++	AVRG			6011		0.000e+00
10 Heptachlor	336001	326070	340037	354216	347545	AVRG			340774		3.16748
11 Aldrin	312543	310560	331210	340855	338017	AVRG			326637		4.35578
12 beta-BHC	153970	149174	143184	145749	145602	AVRG			147536		2.83440
13 delta-BHC	300281	301788	329170	348507	349878	AVRG			325925		7.41214
14 Heptachlor epoxide	306369	299136	303615	309453	303298	AVRG			304374		1.26118
15 Aroclor-1254 (1)	++++	++++	++++	10998	++++	AVRG			10998		0.000e+00
(2)	++++	++++	++++	15238	++++	AVRG			15238		0.000e+00
(3)	++++	++++	++++	19091	++++	AVRG			19091		0.000e+00
(4)	++++	++++	++++	14947	++++	AVRG			14947		0.000e+00
(5)	++++	++++	++++	20337	++++	AVRG			20337		0.000e+00
16 Endosulfan I	283054	269682	311226	296974	291524	AVRG			290492		5.33691
17 gamma-Chlordane	300701	291052	302943	316094	314043	AVRG			304238		3.14687
18 alpha-Chlordane	309829	295756	299547	300234	302506	AVRG			301574		1.72913

GEL Laboratories LLC

INITIAL CALIBRATION DATA

Start Cal Date : 10-DEC-2006 15:43
 End Cal Date : 18-JAN-2008 21:19
 Quant Method : ESTD
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
 Cal Date : 21-Jan-2008 17:24 head1125

Compound	Level 1	2	10	Level 2	50	Level 3	100	Level 4	200	Curve	b	Coefficients ml	m2	%RSD or R^2
19 4,4'-DDE	279941	289710	291860	302615	293148	AVRG	291455							2.78307
20 Dieldrin	297856	299352	310638	312153	306838	AVRG	305367							2.12607
21 Aroclor-1260 (1)	15782	14872	14545	13757	12902	AVRG	14372							7.62867
(2)	22623	22003	21999	20943	19937	AVRG	21501							4.94222
(3)	26141	24703	24575	23440	22902	AVRG	24352							5.15720
(4)	12547	11536	11337	10682	10264	AVRG	11273							7.76474
(5)	13879	12744	12690	11952	11566	AVRG	12566							7.06147
22 Endrin	282093	281075	287075	290758	284760	AVRG	285152							1.37245
23 Toxaphene (1)	166954	2087247	4427793	9139063	14237447	LINR	75.95577							0.99967
(2)	767541	5801547	12158472	24863037	37388637	LINR	38.85299							0.99999
(3)	410257	3274167	6811213	14195927	21462979	LINR	50.70787							0.99996
(4)	374741	3410442	7251156	15727223	23395806	LINR	67.65383							0.99962
(5)	652641	4262571	8917908	18687915	27838757	LINR	40.38159							0.99984
24 Endosulfan II	265043	256996	257746	258247	256952	AVRG	258997							1.32172
25 4,4'-DDD	246301	246284	253552	256217	255007	AVRG	251472							1.91738
26 4,4'-DDT	228004	223779	243373	264546	255423	AVRG	243025							7.16558
27 Endrin aldehyde	206645	194843	190479	207526	192669	AVRG	198432							4.05919
28 Methoxychlor	125410	122454	117399	117958	117207	AVRG	120084							3.06097
29 Endosulfan sulfate	255517	241446	231882	235703	230545	AVRG	239019							4.24523
30 Aroclor-1268 (1)	++++	++++	++++	++++	++++	AVRG	0.000e+00							0.000e+00
(2)	++++	++++	++++	++++	++++	AVRG	0.000e+00							0.000e+00
(3)	++++	++++	++++	++++	++++	AVRG	0.000e+00							0.000e+00
(4)	++++	++++	++++	++++	++++	AVRG	0.000e+00							0.000e+00
(5)	++++	++++	++++	++++	++++	AVRG	0.000e+00							0.000e+00

GEL Laboratories LLC

INITIAL CALIBRATION DATA

Start Cal Date : 10-DEC-2006 15:43
 End Cal Date : 18-JAN-2008 21:19
 Quant Method : ESTD
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
 Cal Date : 21-Jan-2008 17:24 hea01125

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Curve	b	m1	m2	%RSD or R^2
61 Aroclor-1262 (1)	++++	++++	++++	++++	++++	AVRG		0.000e+00		0.000e+00
(2)	++++	++++	++++	++++	++++	AVRG		0.000e+00		0.000e+00
(3)	++++	++++	++++	++++	++++	AVRG		0.000e+00		0.000e+00
(4)	++++	++++	++++	++++	++++	AVRG		0.000e+00		0.000e+00
(5)	++++	++++	++++	++++	++++	AVRG		0.000e+00		0.000e+00
31 Endrin ketone	300132	277327	266032	268403	274062	AVRG		277191		4.89973
51 Mirex	267456	229808	225642	216529	227741	AVRG		233435		8.43140
52 C-Nonachlor	314545	306225	322720	314717	328803	AVRG		317402		2.72197
53 O-Chlordane	304998	284649	294755	288207	292441	AVRG		293010		2.64394
54 T-Nonachlor	312204	293198	314038	310558	318542	AVRG		309708		3.13182
55 1,2-Dichlorobenzene	++++	++++	++++	++++	++++	AVRG		0.000e+00		0.000e+00
56 2,4-DDE	199569	192693	204605	203380	203574	AVRG		200764		2.44093
58 2,4-DDD	189176	177424	188780	185115	191042	AVRG		186307		2.90397
57 2,4-DDT	179713	175199	199505	199879	209027	AVRG		192665		7.51871
62 TTD Sum Pesticides	++++	++++	++++	++++	++++	AVRG		0.000e+00		0.000e+00
1 4cmx	284368	281517	291494	260482	291906	AVRG		281954		4.54583
32 Decachlorobiphenyl	2789135	5195648	20056700	34639000	75900188	LNLR	-4.34436	184843		0.99650

GEL Laboratories LLC
INITIAL CALIBRATION DATA

Start Cal Date : 10-DEC-2006 15:43
End Cal Date : 18-JAN-2008 21:19
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
Cal Date : 21-Jan-2008 17:24 hea01125

Curve	Formula	Units
Averaged	Ant = Rsp/ml	Response
Linear	Ant = b + Rsp/ml	Response

GEL Laboratories LLC
INITIAL CALIBRATION DATA

Start Cal Date : 10-DEC-2006 15:43
 End Cal Date : 18-JAN-2008 21:19
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
 Cal Date : 21-Jan-2008 17:24 hea01125
 Curve Type : Average

Calibration File Names:

Level 1: /chem/ecd5a.i/011808.b/006b0601.d
 Level 2: /chem/ecd5a.i/011808.b/007b0701.d
 Level 3: /chem/ecd5a.i/011808.b/008b0801.d
 Level 4: /chem/ecd5a.i/072007.b/006b0601.d
 Level 5: /chem/ecd5a.i/011808.b/010b1001.d

Compound	2.000 Level 1	10.000 Level 2	50.000 Level 3	100.000 Level 4	200.000 Level 5	RRF	% RSD
61 2,4,5-Trichlorophenol	+++++	+++++	+++++	878450	+++++	878450	0.000
59 Hexachlorobenzene	1899111	1817150	1789850	1808140	1803468	1823543	2.379
2 Aroclor-1221(1)	+++++	+++++	+++++	17638	+++++	17638	0.000
(2)	+++++	+++++	+++++	13113	+++++	13113	0.000
(3)	+++++	+++++	+++++	48258	+++++	48258	0.000
3 Aroclor-1016(1)	73160	67212	64710	60500	56456	64408	9.913
(2)	139060	132847	133706	127044	128155	132162	3.642
(3)	54915	52230	55234	51615	47303	52259	6.118
(4)	32305	30597	30818	29134	29285	30428	4.249
(5)	34014	32430	31364	29122	28500	31086	7.371
4 Aroclor-1232(1)	+++++	+++++	+++++	32213	+++++	32213	0.000
(2)	+++++	+++++	+++++	62528	+++++	62528	0.000
(3)	+++++	+++++	+++++	16910	+++++	16910	0.000
(4)	+++++	+++++	+++++	16329	+++++	16329	0.000
(5)	+++++	+++++	+++++	19823	+++++	19823	0.000
5 alpha-BHC	1932892	1970017	2156509	2314287	2325229	2139787	8.641
6 Aroclor-1242(1)	+++++	+++++	+++++	49762	+++++	49762	0.000
(2)	+++++	+++++	+++++	103257	+++++	103257	0.000
(3)	+++++	+++++	+++++	30231	+++++	30231	0.000
(4)	+++++	+++++	+++++	29886	+++++	29886	0.000
(5)	+++++	+++++	+++++	35637	+++++	35637	0.000
7 gamma-BHC (Lindane)	1800424	1838482	1955770	2119748	2076082	1958101	7.187
8 Chlordane (tech.)(1)	62462	53371	63778	57450	60953	59603	7.064
(2)	33239	31559	37251	36333	38477	35372	8.143
(3)	163398	156937	176460	175974	184186	171391	6.413
(4)	135623	130369	142898	143466	152160	140903	5.897
(5)	138159	131332	140032	138772	144835	138626	3.496

GEL Laboratories LLC
INITIAL CALIBRATION DATA

Start Cal Date : 10-DEC-2006 15:43
 End Cal Date : 18-JAN-2008 21:19
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
 Cal Date : 21-Jan-2008 17:24 hea01125
 Curve Type : Average

Compound	2.000 Level 1	10.000 Level 2	50.000 Level 3	100.000 Level 4	200.000 Level 5	RRF	% RSD
9 Aroclor-1248(1)	+++++	+++++	+++++	66240	+++++	66240	0.000
(2)	+++++	+++++	+++++	53150	+++++	53150	0.000
(3)	+++++	+++++	+++++	59812	+++++	59812	0.000
(4)	+++++	+++++	+++++	71333	+++++	71333	0.000
(5)	+++++	+++++	+++++	35230	+++++	35230	0.000
10 Heptachlor	1919132	1955387	1936519	2030721	1958263	1960004	2.172
11 Aldrin	1765531	1729439	1829324	1912793	1896682	1826754	4.372
12 beta-BHC	852232	882720	837251	857805	849828	855967	1.956
13 delta-BHC	1800550	1867091	1945136	2074946	2067596	1951064	6.207
14 Heptachlor epoxide	1711747	1680406	1649272	1688725	1628804	1671791	1.964
15 Aroclor-1254(1)	+++++	+++++	+++++	72336	+++++	72336	0.000
(2)	+++++	+++++	+++++	119936	+++++	119936	0.000
(3)	+++++	+++++	+++++	80783	+++++	80783	0.000
(4)	+++++	+++++	+++++	64710	+++++	64710	0.000
(5)	+++++	+++++	+++++	113369	+++++	113369	0.000
16 Endosulfan I	1552654	1551349	1539026	1591916	1524107	1551810	1.624
17 gamma-Chlordane	1672520	1662728	1666951	1771026	1742649	1703175	2.943
18 alpha-Chlordane	1637965	1605285	1637989	1668071	1702040	1650270	2.211
19 4,4'-DDE	1573646	1625053	1686536	1714234	1699110	1659716	3.546
20 Dieldrin	1705957	1715517	1717220	1715463	1650172	1700866	1.686
21 Aroclor-1260(1)	80625	80180	79547	74983	74828	78033	3.692
(2)	96010	91538	90458	85536	84630	89635	5.197
(3)	62140	57845	56286	53185	52939	56479	6.703
(4)	71372	59723	60190	56949	57341	61115	9.666
(5)	146078	132347	132383	127566	130276	133730	5.368
22 Endrin	1518870	1572095	1555988	1562377	1462446	1534355	2.931
23 Toxaphene(1)	28781	28761	29052	28898	27542	28607	2.120
(2)	21768	23393	23959	24884	23617	23524	4.823
(3)	33719	36709	36717	39285	37455	36777	5.456
(4)	60948	66427	68297	72140	68453	67253	6.079
(5)	35548	39903	41825	44541	42704	40904	8.380
24 Endosulfan II	1494702	1497493	1462325	1436533	1359297	1450070	3.903
25 4,4'-DDD	1401117	1388272	1424983	1437546	1417896	1413963	1.378

GEL Laboratories LLC
INITIAL CALIBRATION DATA

Start Cal Date : 10-DEC-2006 15:43
 End Cal Date : 18-JAN-2008 21:19
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
 Cal Date : 21-Jan-2008 17:24 hea01125
 Curve Type : Average

Compound	2.000	10.000	50.000	100.000	200.000	RRF	% RSD
Level 1	Level 2	Level 3	Level 4	Level 5			
26 4,4'-DDT	1134321	1223563	1305346	1440244	1399541	1300603	9.641
27 Endrin aldehyde	1094222	1099052	1064713	1147804	1023263	1085811	4.232
28 Methoxychlor	619440	611259	562360	539478	522036	570915	7.551
29 Endosulfan sulfate	1368777	1368059	1331812	1352310	1284936	1341179	2.599
30 Aroclor-1268(1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
60 Aroclor-1262(1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
31 Endrin ketone	1731372	1554633	1453599	1443590	1361312	1508901	9.413
51 Mirex	1390481	1262938	1228491	1181866	1281768	1269109	6.128
52 C-Nonachlor	1803431	1815727	1874535	1804858	1936509	1847012	3.136
53 O-Chlordane	1698732	1578704	1611781	1558583	1630524	1615665	3.356
54 T-Nonachlor	1731027	1657392	1740494	1674238	1800896	1720809	3.325
55 1,2-Dichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++
56 2,4-DDE	1085926	1106004	1117119	1090777	1106876	1101340	1.158
58 2,4-DDD	1050282	1062044	1059639	988054	1021380	1036280	3.034
57 2,4-DDT	825965	956541	1071130	1025188	1109068	997578	11.178
\$ 1 4cmx	1794162	1729954	1731075	1569915	1712057	1707433	4.858
\$ 32 Decachlorobiphenyl	1649782	1573287	1531070	1352289	1527274	1526741	7.157

Data File: /chem/ecd5a.i/121907.b/013f1301.d
Report Date: 20-Dec-2007 20:23

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GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/121907.b/013f1301.d
Lab Smp Id: WPE071023-12TX Client Smp ID: TOXAPH01
Inj Date : 20-DEC-2007 01:26
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071023-12TX
Misc Info :
Comment :
Method : /chem/ecd5a.i/121907.b/ECD5-F-8081-121907.B.m
Meth Date : 20-Dec-2007 20:09 hea01125 Quant Type: ESTD
Cal Date : 14-DEC-2007 01:59 Cal File: 019f1901.d
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
23 Toxaphene					CAS #: 8001-35-2			
4.484	4.485	-0.001	166954	100.000	38.6	80.00-	120.00	100.00
4.697	4.697	0.000	767541	100.000	61.2	250.83-	290.83	459.73
4.746	4.747	-0.001	410257	100.000	58.2	136.42-	176.42	245.73
4.973	4.975	-0.002	374741	100.000	49.2	147.48-	187.48	224.46
5.156	5.155	0.001	652641	100.000	68.8	185.85-	225.85	390.91
Average of Peak Amounts =					55.2			

\$ 1 4cmx					CAS #: 877-09-8			
2.231	2.230	0.001	3132352	8.00000	10.4	80.00-	120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3			
5.976	5.975	0.001	2345835	8.00000	10.9	80.00-	120.00	100.00

Data File: /chem/ecdf5a.i/121907.b/013f1301.d

Date: 20-DEC-2007 01:26

Client ID: TOXAPH01

Sample Info: IMPE071023-121X

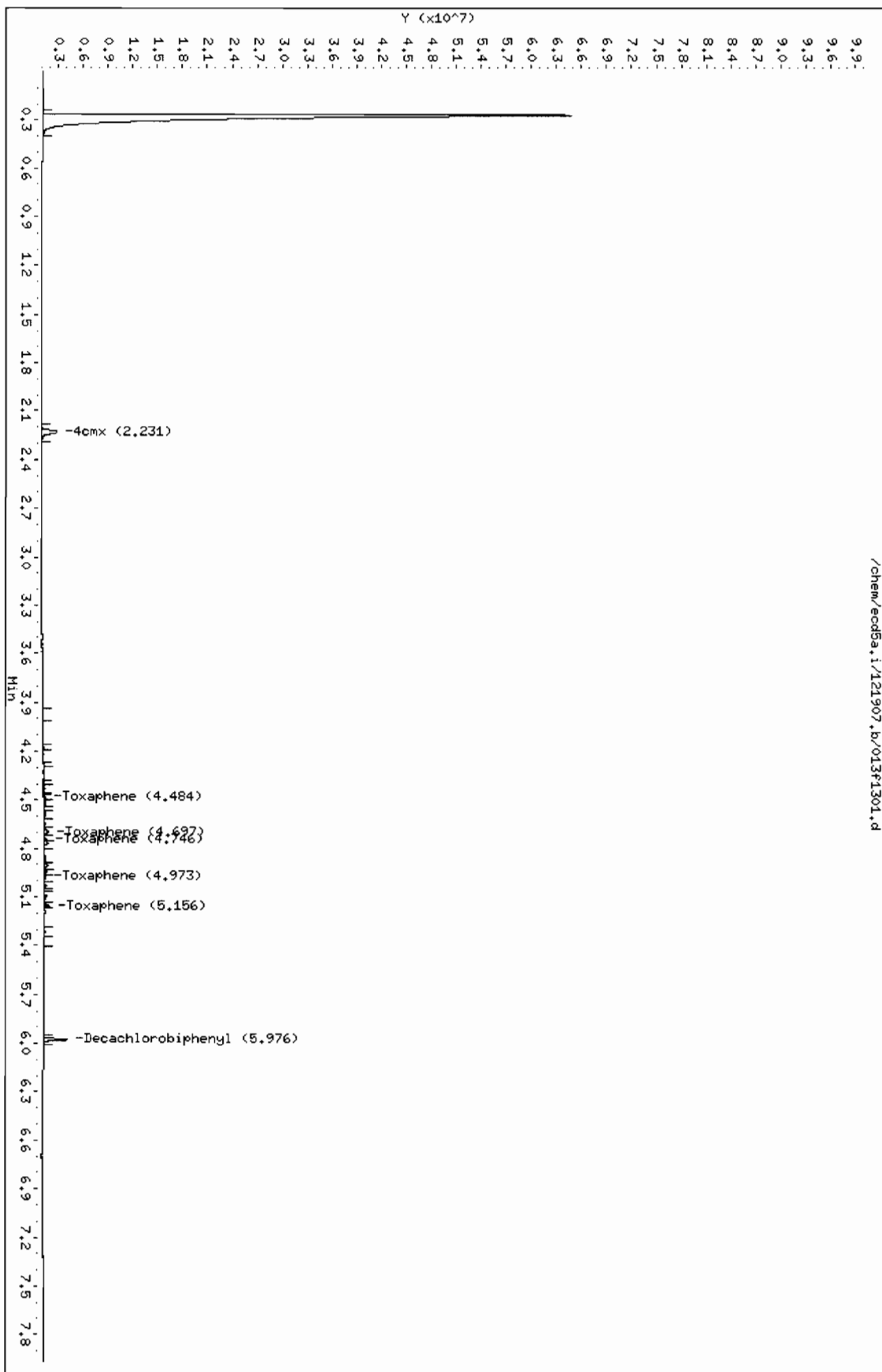
Column phase: CLP-1

Instrument: ecdf5a.i

Operator: HKJ1

Column diameter: 0.25

Page 1



Data File: /chem/ecd5a.i/121907.b/013b1301.d
Report Date: 20-Dec-2007 20:23

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GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/121907.b/013b1301.d
Lab Smp Id: WPE071023-12TX Client Smp ID: TOXAPH01
Inj Date : 20-DEC-2007 01:26
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071023-12TX
Misc Info :
Comment :
Method : /chem/ecd5a.i/121907.b/ECD5-B-8081-121907.B.m
Meth Date : 20-Dec-2007 20:12 hea01125 Quant Type: ESTD
Cal Date : 14-DEC-2007 01:59 Cal File: 019b1901.d
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
23 Toxaphene					CAS #: 8001-35-2		
4.306	4.305	0.001	2878098	100.000	100	80.00- 120.00	100.00
4.606	4.606	0.000	2176798	100.000	100	63.28- 103.28	75.63
4.624	4.624	0.000	3371929	100.000	100	111.76- 151.76	117.16
4.683	4.683	0.000	6094753	100.000	100	223.93- 263.93	211.76
4.841	4.840	0.001	3554827	100.000	100	131.21- 171.21	123.51
Average of Peak Amounts =					100		

S 1 4cmx					CAS #: 877-09-8		
2.066	2.065	0.001	19413368	8.00000	10.2	80.00- 120.00	100.00

S 32 Decachlorobiphenyl					CAS #: 2051-24-3		
6.032	6.030	0.002	14999515	8.00000	9.09	80.00- 120.00	100.00

Data File: /chem/ecob5a.i/121907.b/013b1301.d

Date: 20-DEC-2007 01:26

Client ID: TOXAPH01

Sample Info: IMPE071023-12TX

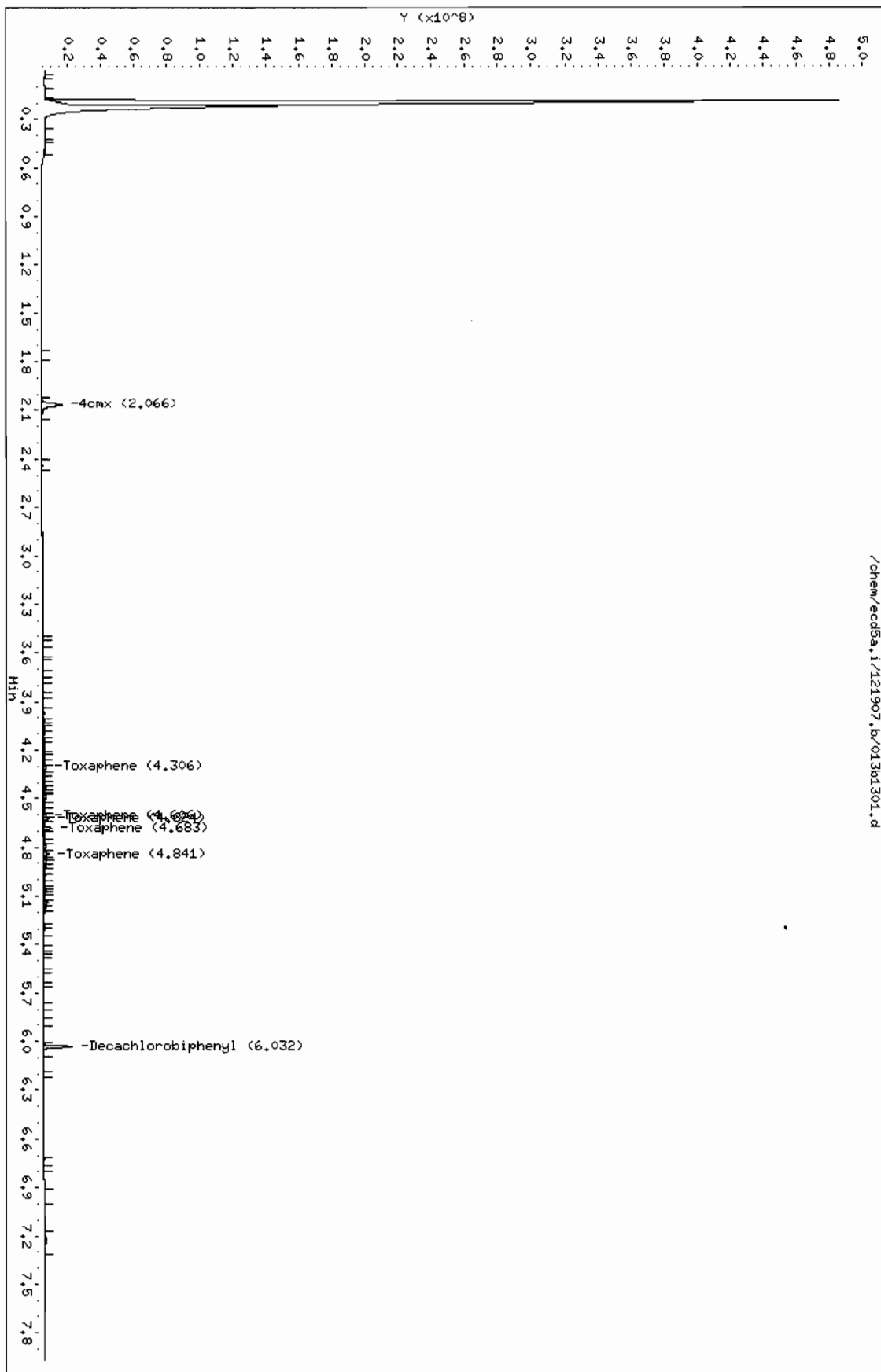
Column phase: CLP-2

Instrument: ecob5a.i

Operator: HKJ1

Column diameter: 0.25

Page 1



Data File: /chem/ecd5a.i/121907.b/014f1401.d
Report Date: 20-Dec-2007 20:23

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GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/121907.b/014f1401.d
Lab Smp Id: WPE071023-13TX Client Smp ID: TOXAPH02
Inj Date : 20-DEC-2007 01:37
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071023-13TX
Misc Info :
Comment :
Method : /chem/ecd5a.i/121907.b/ECD5-F-8081-121907.B.m
Meth Date : 20-Dec-2007 20:09 hea01125 Quant Type: ESTD
Cal Date : 14-DEC-2007 02:11 Cal File: 020f2001.d
Als bottle: 14 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
23 Toxaphene			CAS #: 8001-35-2			
4.485	4.485	0.000	2087247 500.000	507	80.00- 120.00	100.00
4.698	4.697	0.001	5801547 500.000	482	250.83- 290.83	277.95
4.747	4.747	0.000	3274167 500.000	486	136.42- 176.42	156.87
4.975	4.975	0.000	3410442 500.000	471	147.48- 187.48	163.39
5.156	5.155	0.001	4262571 500.000	466	185.85- 225.85	204.22
Average of Peak Amounts =			482			

\$ 1 4cmx			CAS #: 877-09-8			
2.232	2.230	0.002	16362136 20.0000	54.4	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl			CAS #: 2051-24-3			
5.976	5.975	0.001	10280376 20.0000	47.9	80.00- 120.00	100.00

Data File: /chem/ecdb5a.i/121907.b/014f1401.d

Date: 20-DEC-2007 01:37

Client ID: TOXAPH02

Sample Info: IMPE071023-13TX

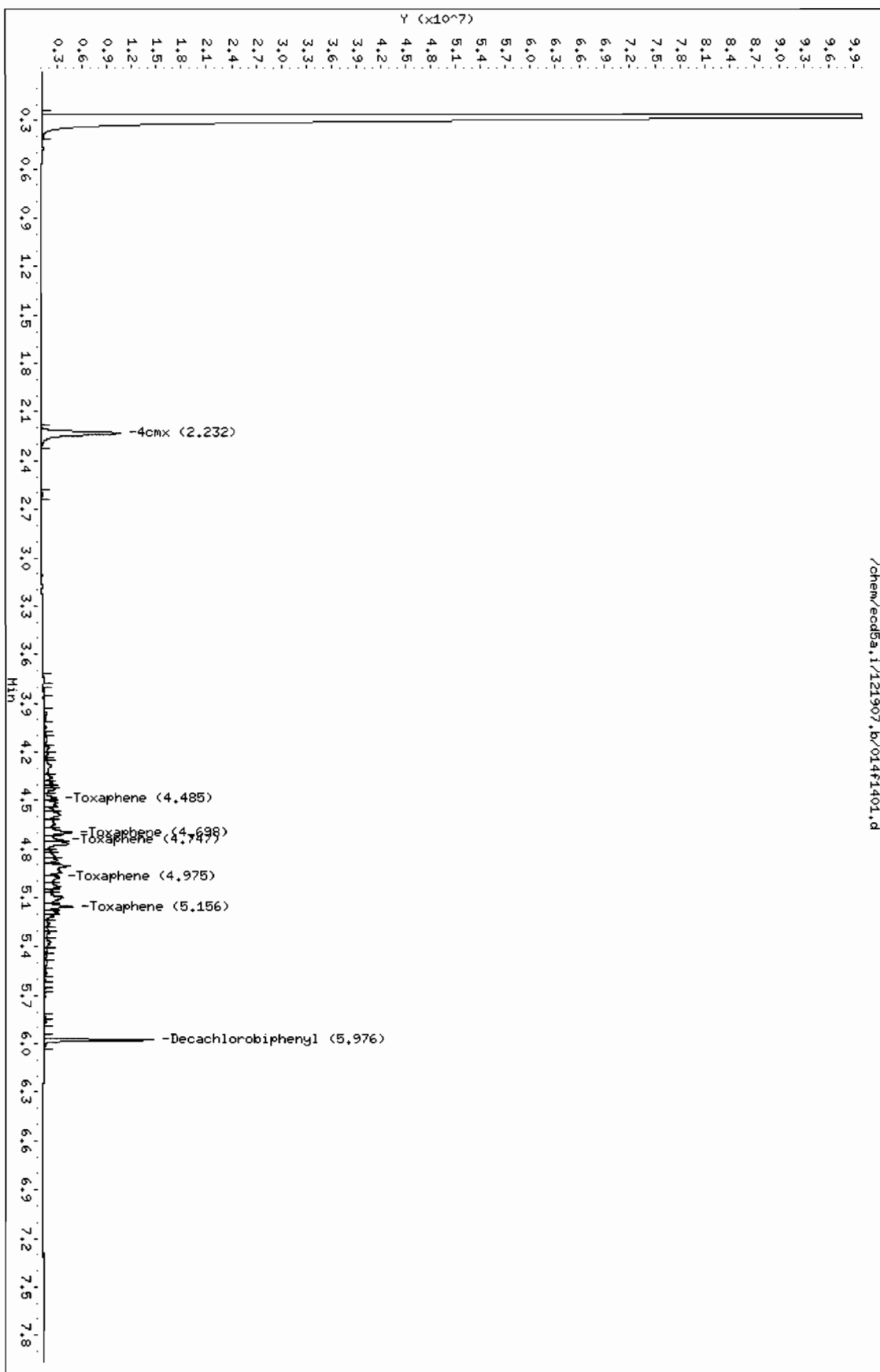
Column Phase: CLP-1

Instrument: ecdb5a.i

Operator: HXJ1

Column diameter: 0.25

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GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/121907.b/014b1401.d
 Lab Smp Id: WPE071023-13TX Client Smp ID: TOXAPH02
 Inj Date : 20-DEC-2007 01:37
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |WPE071023-13TX
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/121907.b/ECD5-B-8081-121907.B.m
 Meth Date : 20-Dec-2007 20:12 hea01125 Quant Type: ESTD
 Cal Date : 14-DEC-2007 02:11 Cal File: 020b2001.d
 Als bottle: 14 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Tox.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
23 Toxaphene					CAS #: 8001-35-2			
4.305	4.305	0.000	14380525	500.000	500	80.00-	120.00	100.00
4.606	4.606	0.000	11696743	500.000	518	63.28-	103.28	81.34
4.624	4.624	0.000	18354520	500.000	521	111.76-	151.76	127.63
4.684	4.683	0.001	33213663	500.000	522	223.93-	263.93	230.96
4.841	4.840	0.001	19951735	500.000	529	131.21-	171.21	138.74
Average of Peak Amounts =					518			

\$ 1 4cmx					CAS #: 877-09-8			
2.067	2.065	0.002	98850331	20.0000	51.9	80.00-	120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3			
6.032	6.030	0.002	73179542	20.0000	44.3	80.00-	120.00	100.00

Data File: /chem/ecdf5a.i/121907.b/014b1401.d

Date : 20-DEC-2007 01:37

Client ID: TOXAPH02

Sample Info: IMPE071023-13TX

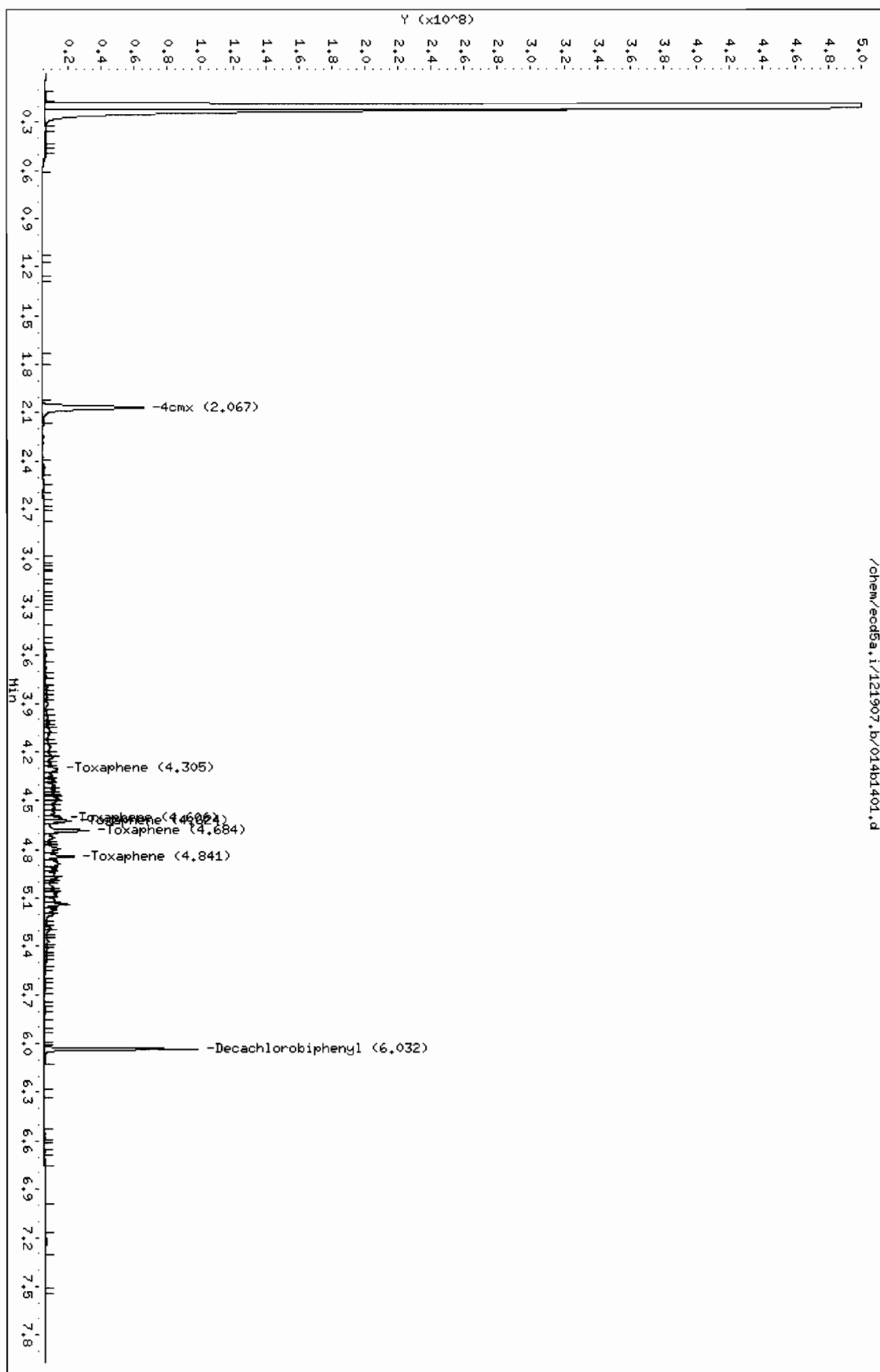
Column phase: CLP-2

Instrument: ecdf5a.i

Operator: HXJ1

Column diameter: 0.25

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GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/121907.b/015f1501.d
 Lab Smp Id: WPE071023-14TX Client Smp ID: TOXAPH03
 Inj Date : 20-DEC-2007 01:49
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |WPE071023-14TX
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/121907.b/ECD5-F-8081-121907.B.m
 Meth Date : 20-Dec-2007 20:09 hea01125 Quant Type: ESTD
 Cal Date : 14-DEC-2007 02:22 Cal File: 021f2101.d
 Als bottle: 15 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Tox.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
23 Toxaphene					CAS #: 8001-35-2			
4.485	4.485	0.000	4427793	1000.00	1100	80.00-	120.00	100.00
4.698	4.697	0.001	12158472	1000.00	1030	250.83-	290.83	274.59
4.747	4.747	0.000	6811213	1000.00	1040	136.42-	176.42	153.83
4.975	4.975	0.000	7251156	1000.00	1040	147.48-	187.48	163.76
5.156	5.155	0.001	8917908	1000.00	1000	185.85-	225.85	201.41
Average of Peak Amounts =					1.04e+03			

\$ 1 4cmx					CAS #: 877-09-8			
2.232	2.230	0.002	33505932	100.000	111	80.00-	120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3			
5.976	5.975	0.001	20046043	100.000	93.4	80.00-	120.00	100.00

Data File: /chem/eod5a.i/121907.b/015F1501.d

Date: 20-DEC-2007 01:49

Client ID: TOXAPH03

Sample Info: 1MPE071023-14TX

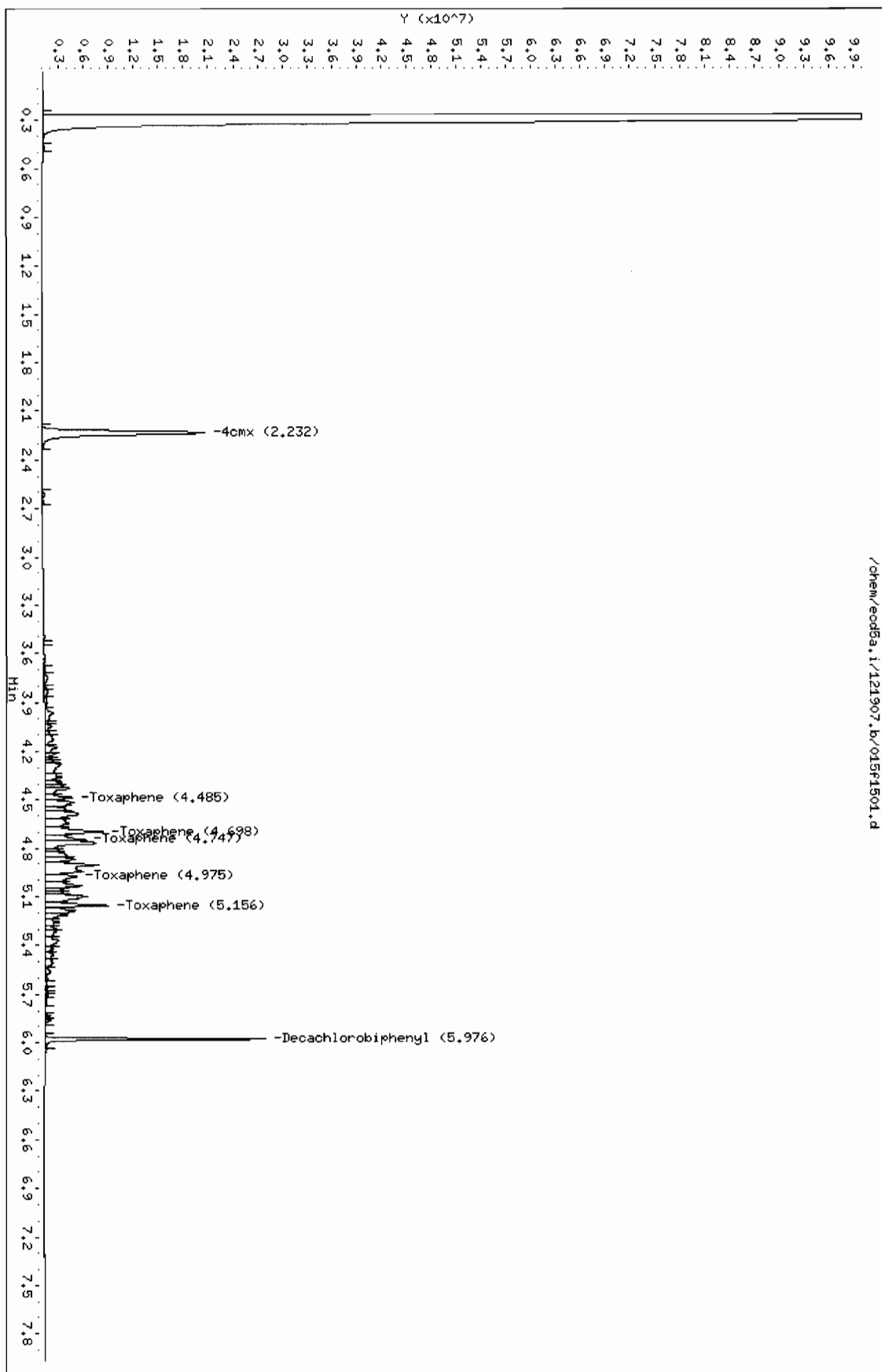
Column phase: CLP-1

Instrument: eod5a.i

Operator: HXJ1

Column diameter: 0.25

Page 1



Data File: /chem/ecd5a.i/121907.b/015b1501.d
 Report Date: 20-Dec-2007 20:23

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GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/121907.b/015b1501.d
 Lab Smp Id: WPE071023-14TX Client Smp ID: TOXAPH03
 Inj Date : 20-DEC-2007 01:49
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : WPE071023-14TX
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/121907.b/ECD5-B-8081-121907.B.m
 Meth Date : 20-Dec-2007 20:12 hea01125 Quant Type: ESTD
 Cal Date : 14-DEC-2007 02:22 Cal File: 021b2101.d
 Als bottle: 15 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Tox.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
---	-----	-----	-----	-----	-----	-----	-----	-----
23 Toxaphene					CAS #: 8001-35-2			
4.306	4.305	0.001	29052001	1000.00	1010	80.00-	120.00	100.00
4.607	4.606	0.001	23958902	1000.00	1040	63.28-	103.28	82.47
4.624	4.624	0.000	36717463	1000.00	1030	111.76-	151.76	126.39
4.684	4.683	0.001	68297334	1000.00	1050	223.93-	263.93	235.09
4.842	4.840	0.002	41824930	1000.00	1070	131.21-	171.21	143.97
Average of Peak Amounts =					1.04e+03			

\$ 1 4cmx					CAS #: 877-09-8			
2.067	2.065	0.002	203498937	100.000	107	80.00-	120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3			
6.032	6.030	0.002	151989385	100.000	92.1	80.00-	120.00	100.00

Data File: /chem/ecdf5a.i/121907.b/015b1501.d

Date : 20-DEC-2007 01:49

Client ID: TOXAPH03

Sample Info: 1MPE071023-14TX

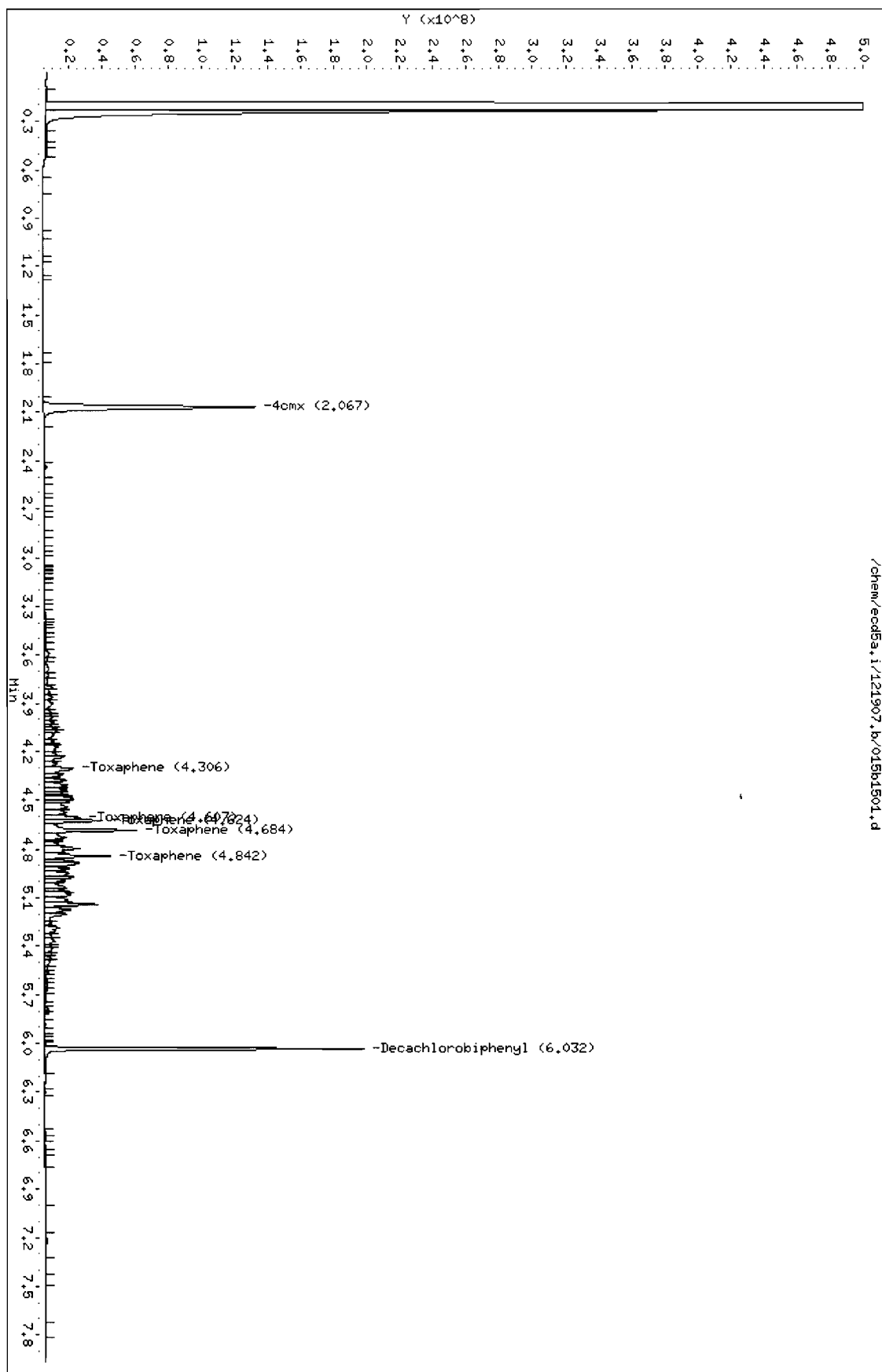
Page 1

Column phase: CLP-2

Instrument: ecdf5a.i

Operator: HKJ1

Column diameter: 0.25



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/121907.b/016f1601.d
 Lab Smp Id: WPE071023-15TX Client Smp ID: TOXAPH04
 Inj Date : 20-DEC-2007 02:01
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |WPE071023-15TX
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/121907.b/ECD5-F-8081-121907.B.m
 Meth Date : 20-Dec-2007 20:09 hea01125 Quant Type: ESTD
 Cal Date : 20-JUL-2007 09:59 Cal File: 006f0601.d
 Als bottle: 16 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Tox.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
23 Toxaphene					CAS #: 8001-35-2			
4.485	4.485	0.000	9139063	2000.00	2310	80.00-	120.00	100.00
4.697	4.697	0.000	24863037	2000.00	2150	250.83-	290.83	272.05
4.747	4.747	0.000	14195927	2000.00	2190	136.42-	176.42	155.33
4.976	4.975	0.001	15727223	2000.00	2290	147.48-	187.48	172.09
5.156	5.155	0.001	18687915	2000.00	2130	185.85-	225.85	204.48
Average of Peak Amounts =					2.21e+03			

\$ 1 4cmx					CAS #: 877-09-8			
2.232	2.230	0.002	68468367	200.000	228	80.00-	120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3			
5.976	5.975	0.001	39945656	200.000	186	80.00-	120.00	100.00

Data File: /chem/eod5a.i/121907.b/016f1601.d

Date: 20-DEC-2007 02:01

Client ID: TOXAPH04

Sample Info: 1MPE071023-15TX

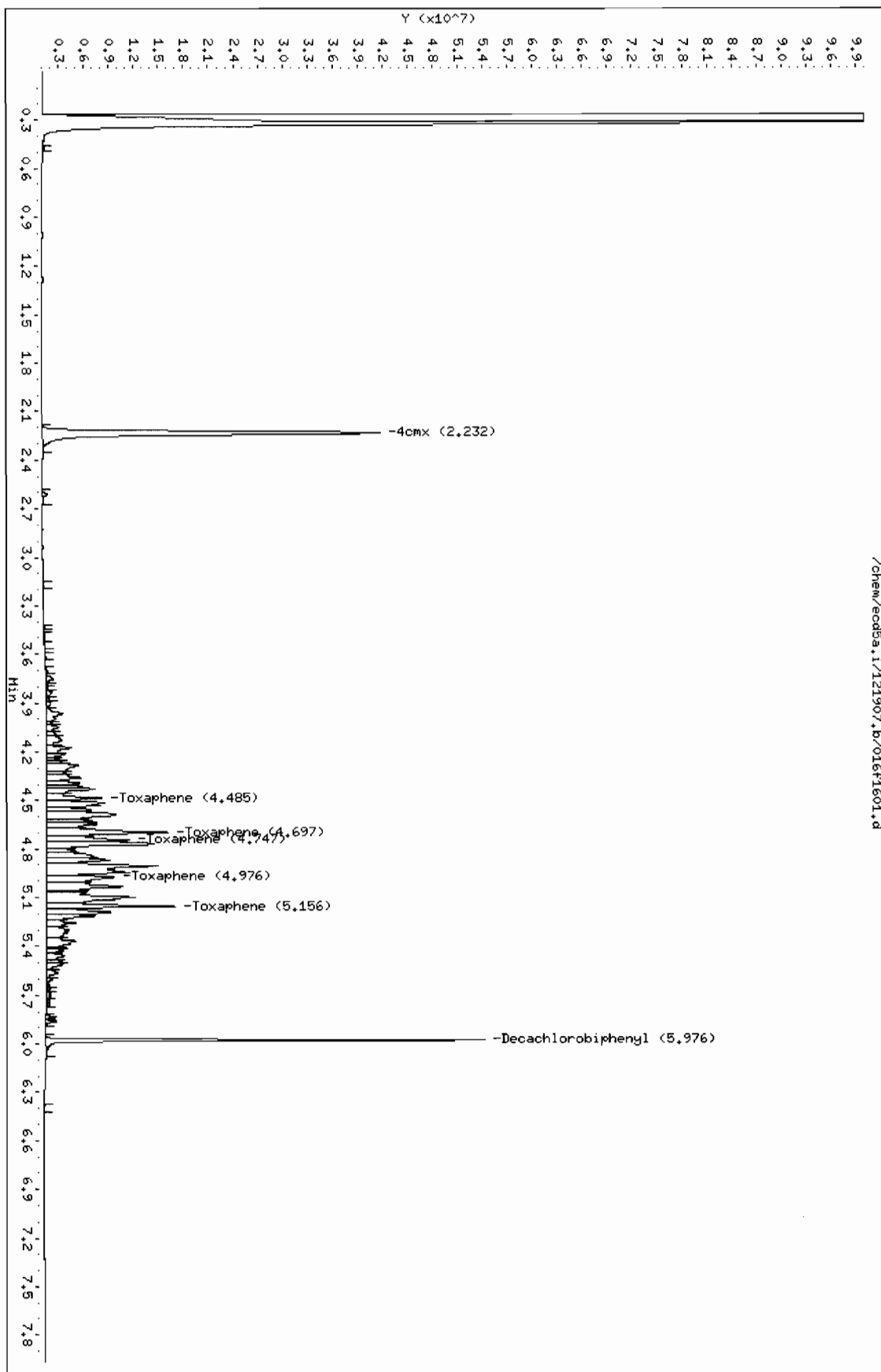
Column phase: CLP-1

Instrument: eod5a.i

Operator: HKJ1

Column diameter: 0.25

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Data File: /chem/ecd5a.i/121907.b/016b1601.d
Report Date: 20-Dec-2007 20:24

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GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/121907.b/016b1601.d
Lab Smp Id: WPE071023-15TX Client Smp ID: TOXAPH04
Inj Date : 20-DEC-2007 02:01
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071023-15TX
Misc Info :
Comment :
Method : /chem/ecd5a.i/121907.b/ECD5-B-8081-121907.B.m
Meth Date : 20-Dec-2007 20:12 hea01125 Quant Type: ESTD
Cal Date : 20-JUL-2007 09:59 Cal File: 006b0601.d
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO

23 Toxaphene			CAS #: 8001-35-2			
4.305	4.305	0.000	57796008 2000.00	2000	80.00- 120.00	100.00
4.606	4.606	0.000	49768771 2000.00	2120	63.28- 103.28	86.11
4.624	4.624	0.000	78569108 2000.00	2150	111.76- 151.76	135.94
4.684	4.683	0.001	144280511 2000.00	2150	223.93- 263.93	249.64
4.841	4.840	0.001	89082067 2000.00	2200	131.21- 171.21	154.13
Average of Peak Amounts =			2.12e+03			

\$ 1 4cmx			CAS #: 877-09-8			
2.066	2.065	0.001	419754108 200.000	220	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl			CAS #: 2051-24-3			
6.032	6.030	0.002	311925293 200.000	189	80.00- 120.00	100.00

Data File: /chem/ecd5a.i/121907.b/016b1601.d

Date: 20-DEC-2007 02:01

Client ID: TOXAPH04

Sample Info: IMPE071023-15TX

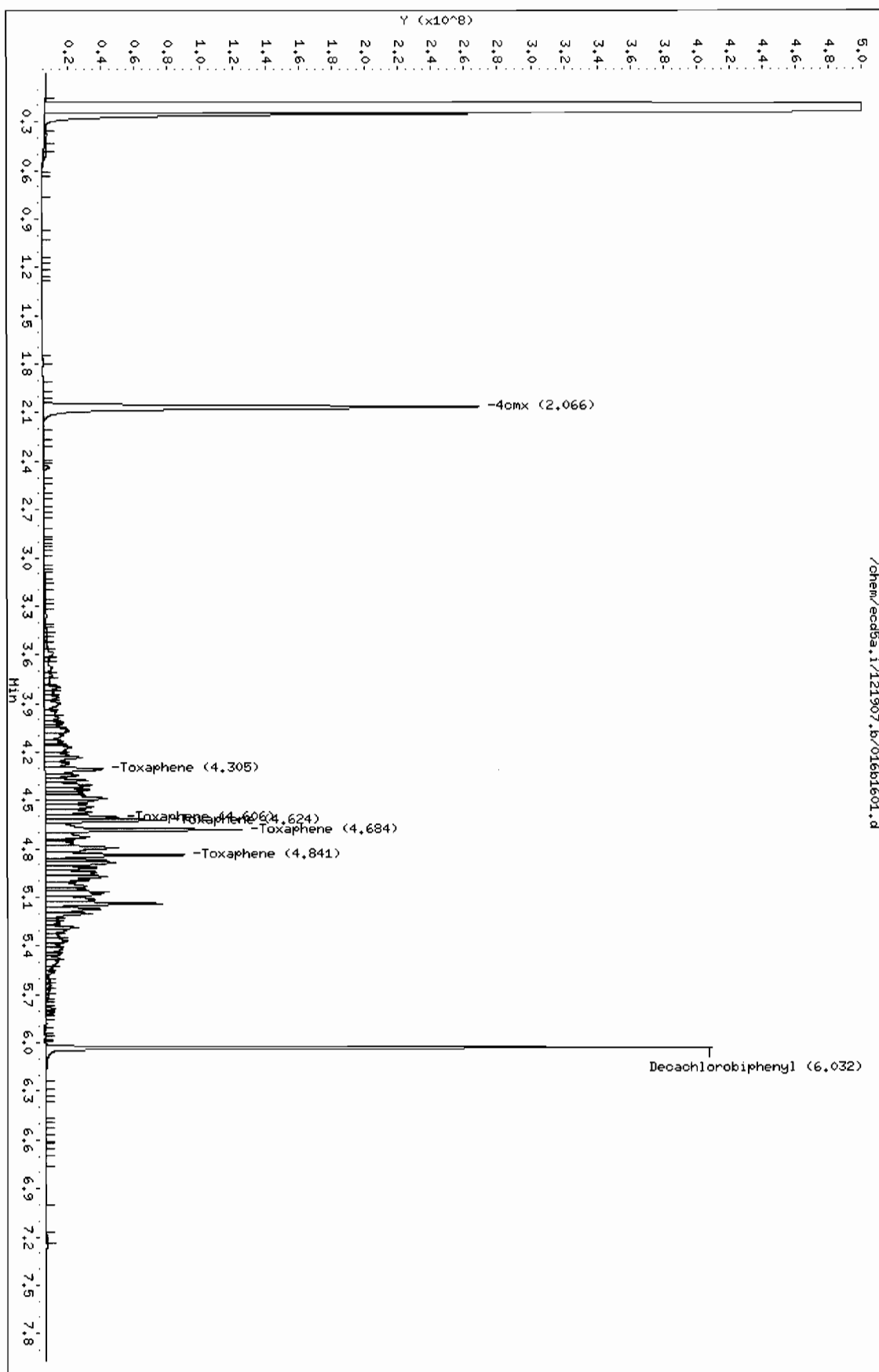
Column phase: CLP-2

Instrument: ecd5a.i

Operator: HKJ1

Column diameter: 0.25

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GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/121907.b/017f1701.d
 Lab Smp Id: IPE071018-19 TX Client Smp ID: TOXAPH05
 Inj Date : 20-DEC-2007 02:12
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |IPE071018-19 TX
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/121907.b/ECD5-F-8081-121907.B.m
 Meth Date : 20-Dec-2007 20:09 hea01125 Quant Type: ESTD
 Cal Date : 14-DEC-2007 02:46 Cal File: 023f2301.d
 Als bottle: 17 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Tox.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
23 Toxaphene					CAS #: 8001-35-2			
4.485	4.485	0.000	14237447	3000.00	3630	80.00-	120.00	100.00 (A)
4.698	4.697	0.001	37388637	3000.00	3320	250.83-	290.83	262.61
4.746	4.747	-0.001	21462979	3000.00	3380	136.42-	176.42	150.75
4.976	4.975	0.001	23395806	3000.00	3490	147.48-	187.48	164.33
5.156	5.155	0.001	27838757	3000.00	3270	185.85-	225.85	195.53
Average of Peak Amounts =					3.42e+03			

\$ 1 4cmx					CAS #: 877-09-8			
2.232	2.230	0.002	100488527	400.000	334	80.00-	120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3			
5.976	5.975	0.001	58819150	400.000	274	80.00-	120.00	100.00

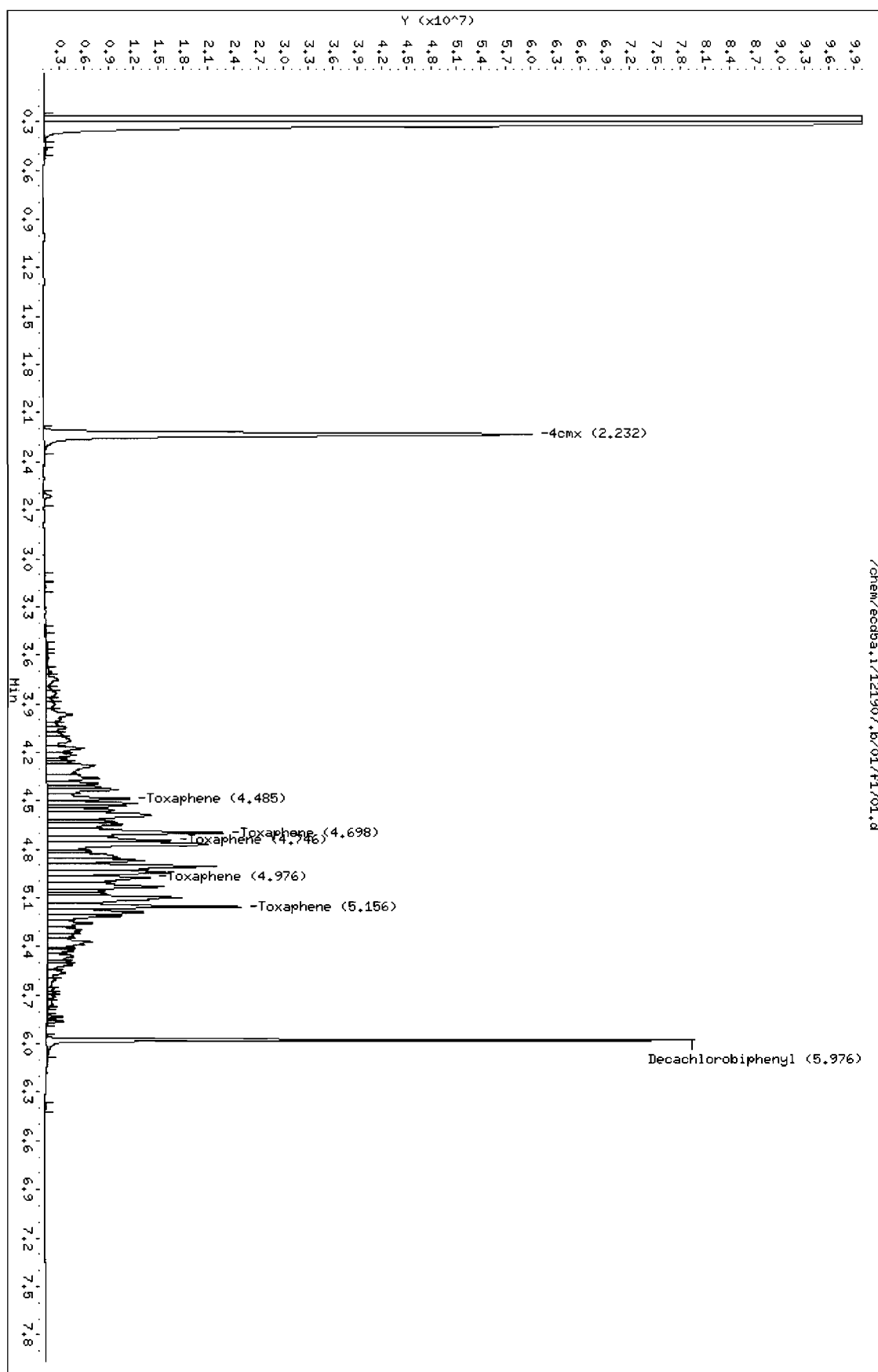
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/ecd5a.i/121907.b/017f1701.d
Date: 20-DEC-2007 02:12
Client ID: TOXAPH05
Sample Info: IPE071018-19 TX
Column phase: CLP-1

Instrument: ecd5a.i
Operator: HKJ1
Column diameter: 0.25

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GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/121907.b/017b1701.d
 Lab Smp Id: IPE071018-19 TX Client Smp ID: TOXAPH05
 Inj Date : 20-DEC-2007 02:12
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |IPE071018-19 TX
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/121907.b/ECD5-B-8081-121907.B.m
 Meth Date : 20-Dec-2007 20:12 hea01125 Quant Type: ESTD
 Cal Date : 14-DEC-2007 02:46 Cal File: 023b2301.d
 Als bottle: 17 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Tox.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
23 Toxaphene					CAS #: 8001-35-2		
4.306	4.305	0.001	82625316	3000.00	2890	80.00- 120.00	100.00 (A)
4.606	4.606	0.000	70849568	3000.00	3010	63.28- 103.28	85.75
4.624	4.624	0.000	112363510	3000.00	3060	111.76- 151.76	135.99
4.683	4.683	0.000	205359541	3000.00	3050	223.93- 263.93	248.54
4.841	4.840	0.001	128112831	3000.00	3130	131.21- 171.21	155.05
Average of Peak Amounts =					3.03e+03		

\$ 1 4cmx					CAS #: 877-09-8		
2.067	2.065	0.002	623003088	400.000	327	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3		
6.032	6.030	0.002	446477729	400.000	270	80.00- 120.00	100.00

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/ecdf5a.i/121907.b/017b1701.d

Date: 20-DEC-2007 02:12

Client ID: TOXAPH05

Sample Info: 11PE071018-19 TX

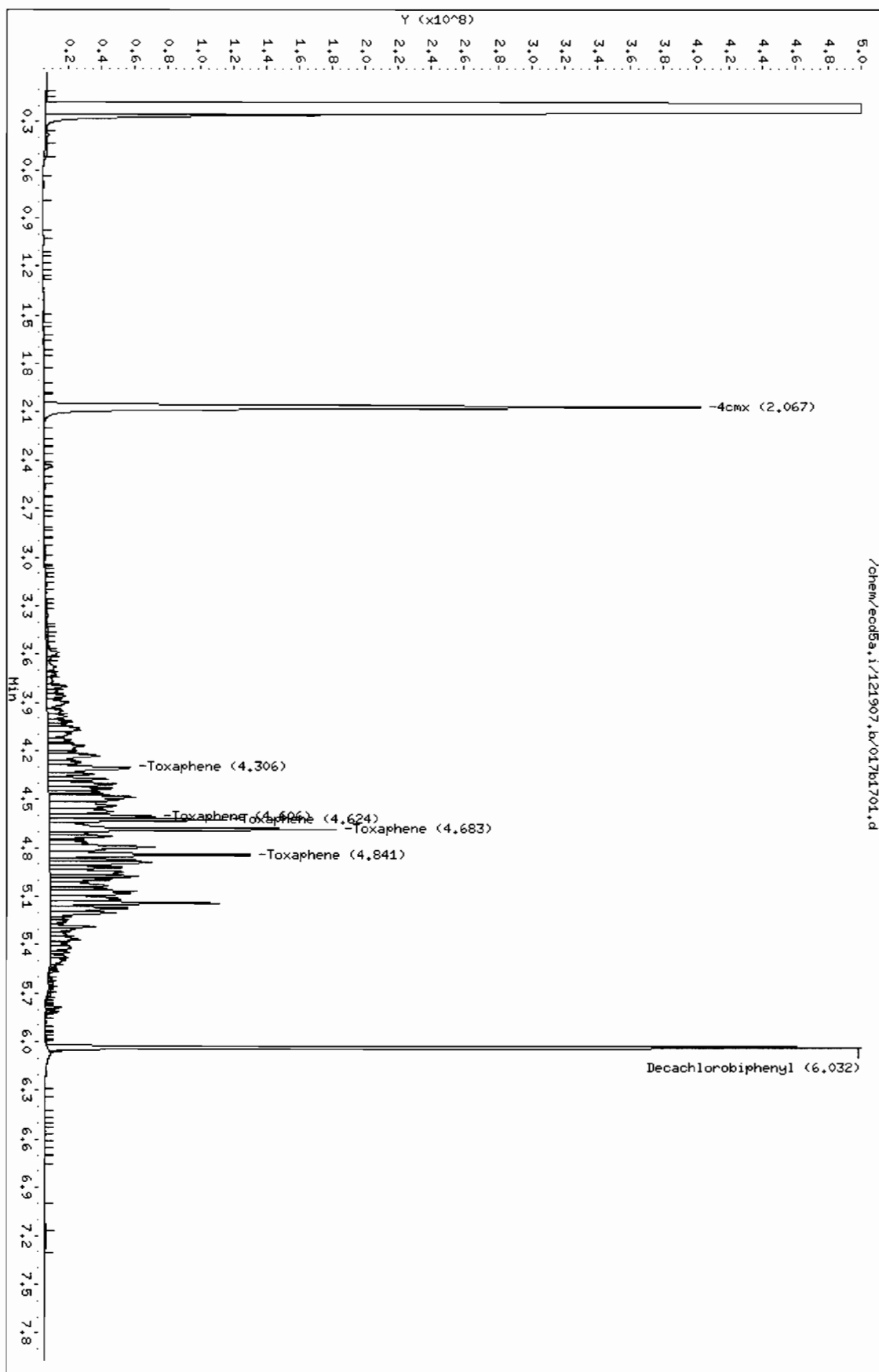
Column phase: CLP-2

Instrument: ecdf5a.i

Operator: HKJ1

Column diameter: 0.25

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GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/121907.b/019f1901.d
 Lab Smp Id: WPE071023-05 CL Client Smp ID: CHLOR01
 Inj Date : 20-DEC-2007 02:36
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |WPE071023-05 CL
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/121907.b/ECD5-F-8081-121907.B.m
 Meth Date : 20-Dec-2007 20:09 hea01125 Quant Type: ESTD
 Cal Date : 14-DEC-2007 01:59 Cal File: 019f1901.d
 Als bottle: 19 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Chlor.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
8 Chlordane (tech.)					CAS #: 57-74-9		
3.340	3.340	0.000	463221	50.0000	49.4	80.00- 120.00	100.00
3.984	3.985	-0.001	258260	50.0000	47.1	39.47- 79.47	55.75
4.108	4.109	-0.001	1547826	50.0000	47.3	335.59- 375.59	334.14
4.190	4.192	-0.002	2477776	50.0000	50.4	460.83- 500.83	534.90
4.665	4.665	0.000	483302	50.0000	54.8	79.01- 119.01	104.34
Average of Peak Amounts =					49.8		

\$ 1 4cmx					CAS #: 877-09-8		
2.232	2.230	0.002	2216158	8.00000	7.37	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3		
5.976	5.975	0.001	2223897	8.00000	10.4	80.00- 120.00	100.00

Data File: /chem/eod5a.i/121907.b/019f1901.d

Date : 20-DEC-2007 02:36

Client ID: CHLDR01

Sample Info: IMPE071023-05 CL

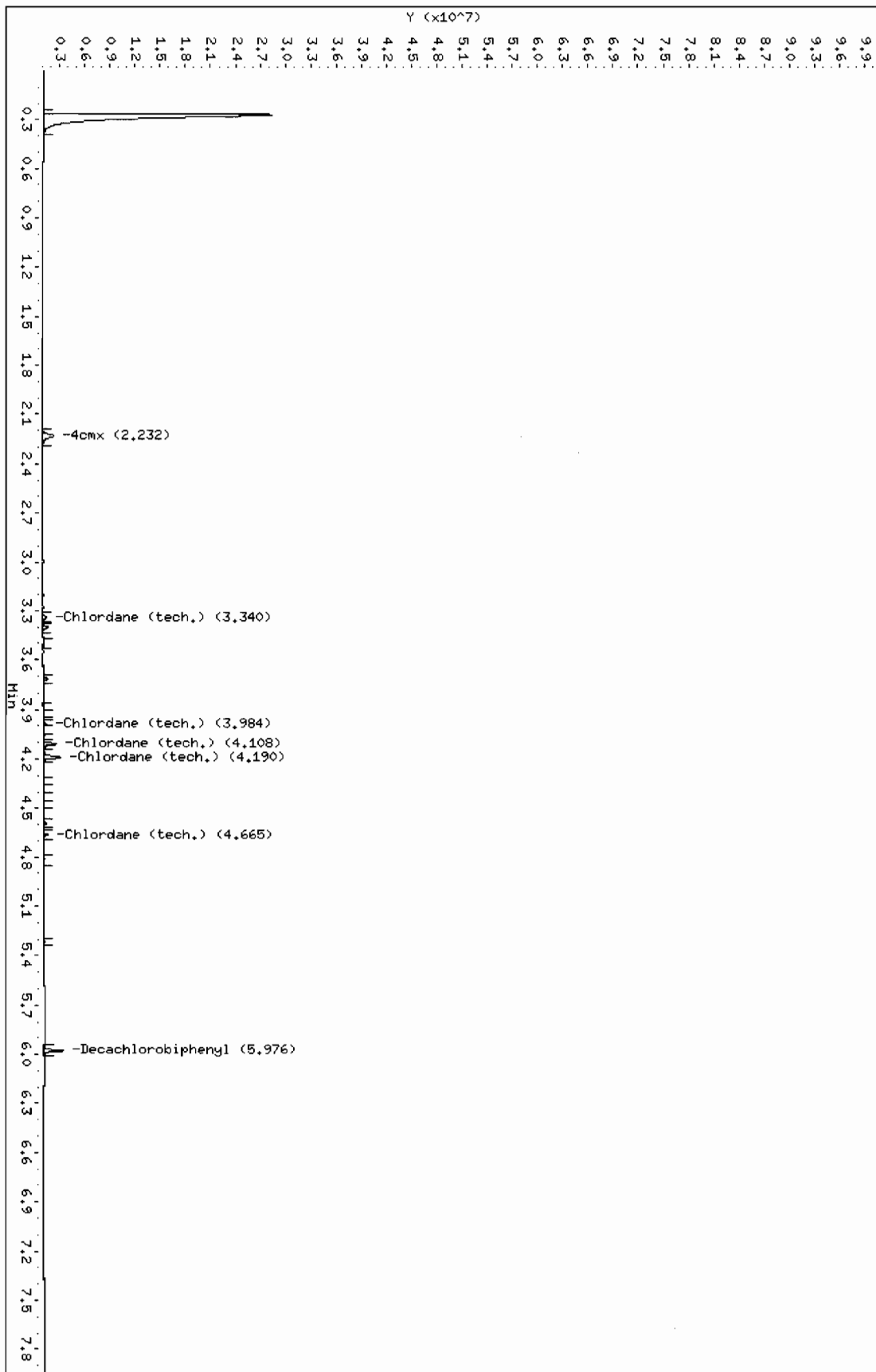
Column phase: CLP-1

Instrument: eod5a.i

Operator: HKJ1

Column diameter: 0.25

/chem/eod5a.i/121907.b/019f1901.d



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/121907.b/019b1901.d
 Lab Smp Id: WPE071023-05 CL Client Smp ID: CHLOR01
 Inj Date : 20-DEC-2007 02:36
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |WPE071023-05 CL
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/121907.b/ECD5-B-8081-121907.B.m
 Meth Date : 20-Dec-2007 20:12 hea01125 Quant Type: ESTD
 Cal Date : 14-DEC-2007 01:59 Cal File: 019b1901.d
 Als bottle: 19 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Chlor.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====
8 Chlordane (tech.)				CAS #: 57-74-9			
3.181	3.180	0.001	3123096 50.0000	47.9	80.00- 120.00	100.00	
3.882	3.883	-0.001	1661948 50.0000	41.5	43.10- 83.10	53.21	
4.022	4.023	-0.001	8169921 50.0000	42.0	283.52- 323.52	261.60	
4.083	4.083	0.000	6781160 50.0000	42.5	194.45- 234.45	217.13	
4.116	4.115	0.001	6907955 50.0000	44.3	223.54- 263.54	221.19	
Average of Peak Amounts =				43.7			

\$ 1 4cmx				CAS #: 877-09-8			
2.066	2.065	0.001	14390280 8.00000	7.56	80.00- 120.00	100.00	

\$ 32 Decachlorobiphenyl				CAS #: 2051-24-3			
6.032	6.030	0.002	10933762 8.00000	6.62	80.00- 120.00	100.00	

Data File: /chem/ecd5a.i/121907.b/019b1901.d

Date : 20-DEC-2007 02:36

Client ID: CHLOR01

Sample Info: IMPE071023-05 CL

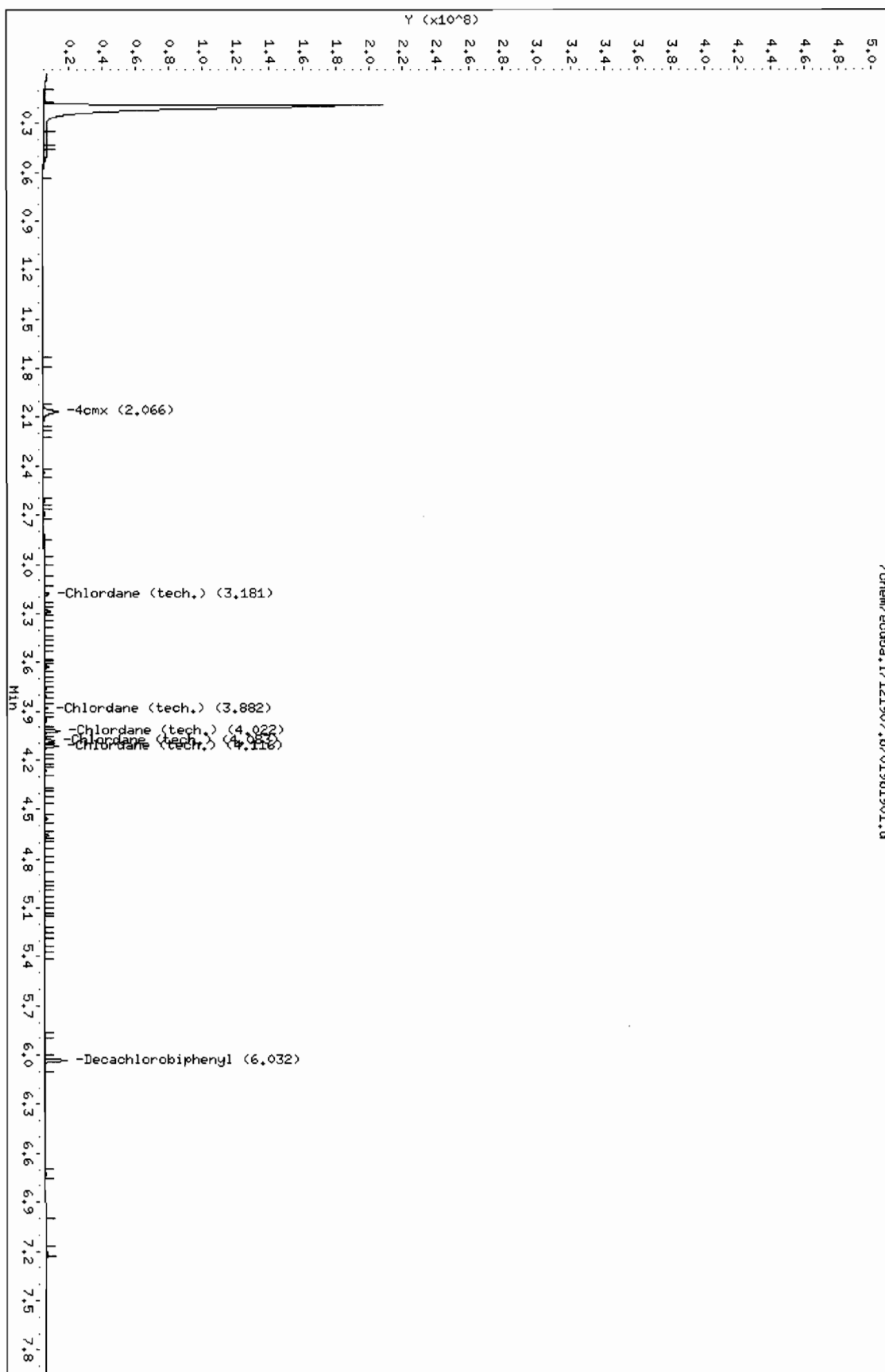
Column phase: CLP-2

Instrument: ecd5a.i

Operator: HXJ1

Column diameter: 0.25

/chem/ecd5a.i/121907.b/019b1901.d



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/121907.b/020f2001.d
Lab Smp Id: WPE071023-06 CL Client Smp ID: CHLOR02
Inj Date : 20-DEC-2007 02:48
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071023-06 CL
Misc Info :
Comment :
Method : /chem/ecd5a.i/121907.b/ECD5-F-8081-121907.B.m
Meth Date : 20-Dec-2007 20:09 hea01125 Quant Type: ESTD
Cal Date : 14-DEC-2007 02:11 Cal File: 020f2001.d
Als bottle: 20 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Chlor.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
8 Chlordane (tech.)				CAS #: 57-74-9		
3.340	3.340	0.000	887825 100.000	94.6	80.00- 120.00	100.00
3.985	3.985	0.000	519398 100.000	94.6	39.47- 79.47	58.50
4.108	4.109	-0.001	3019316 100.000	92.2	335.59- 375.59	340.08
4.191	4.192	-0.001	4861260 100.000	98.8	460.83- 500.83	547.55
4.665	4.665	0.000	790035 100.000	89.6	79.01- 119.01	88.99
Average of Peak Amounts =				94		

\$ 1 4cmx				CAS #: 877-09-8		
2.232	2.230	0.002	4264031 20.0000	14.2	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl				CAS #: 2051-24-3		
5.976	5.975	0.001	3652344 20.0000	17.0	80.00- 120.00	100.00

Data File: /chem/ecdf5a.i/121907.b/020f2001.d

Date: 20-DEC-2007 02:48

Client ID: CHLDR02

Sample Info: IMPE071023-06 CL

Column phase: CLP-1

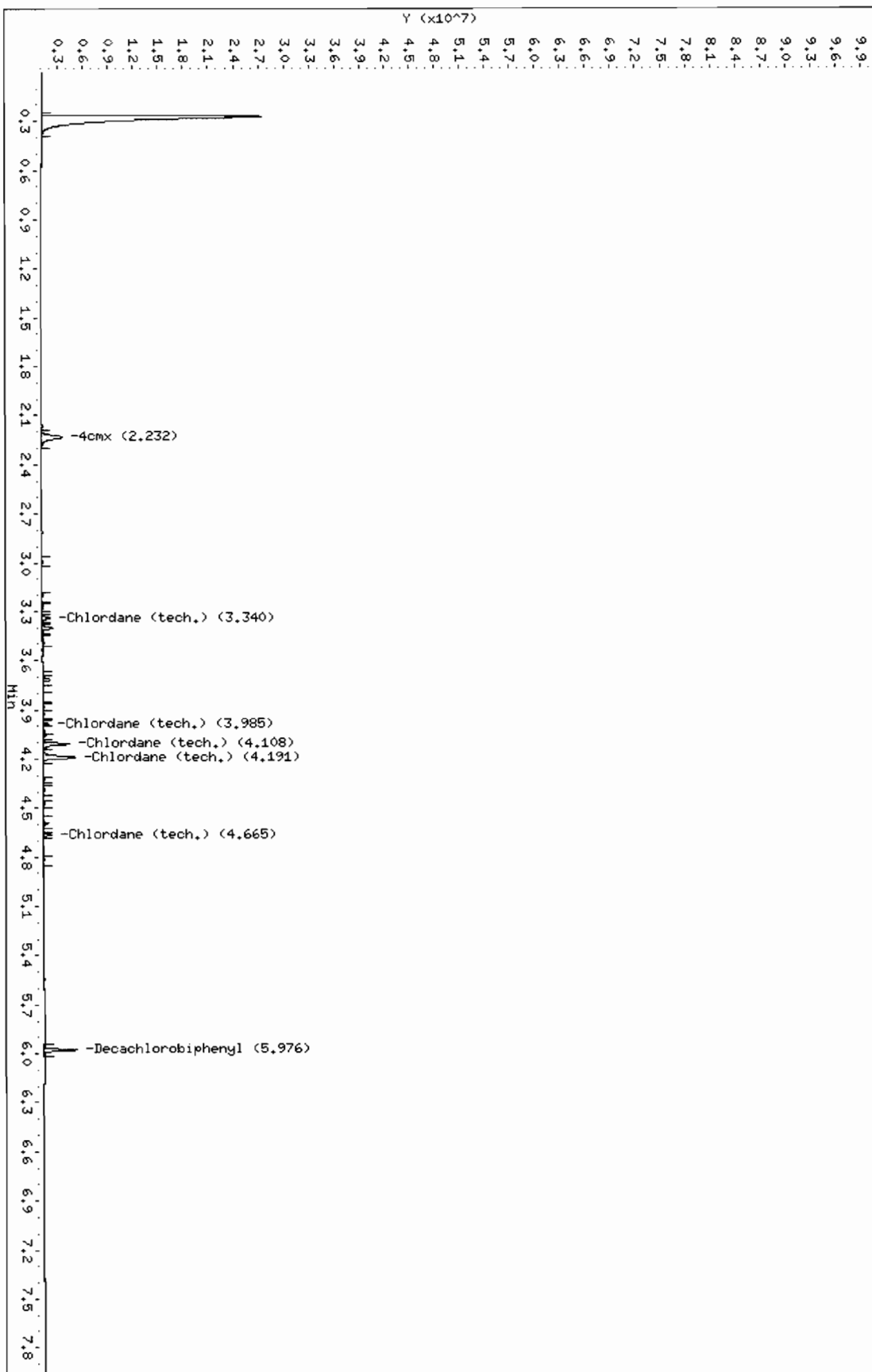
Instrument: ecdf5a.i

Operator: HXJL

Column diameter: 0.25

Page 1

/chem/ecdf5a.i/121907.b/020f2001.d



Data File: /chem/ecd5a.i/121907.b/020b2001.d
Report Date: 20-Dec-2007 20:24

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GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/121907.b/020b2001.d
Lab Smp Id: WPE071023-06 CL Client Smp ID: CHLOR02
Inj Date : 20-DEC-2007 02:48
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071023-06 CL
Misc Info :
Comment :
Method : /chem/ecd5a.i/121907.b/ECD5-B-8081-121907.B.m
Meth Date : 20-Dec-2007 20:12 hea01125 Quant Type: ESTD
Cal Date : 14-DEC-2007 02:11 Cal File: 020b2001.d
Als bottle: 20 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Chlor.sub
Target Version: 3.50 Sample Matrix: None

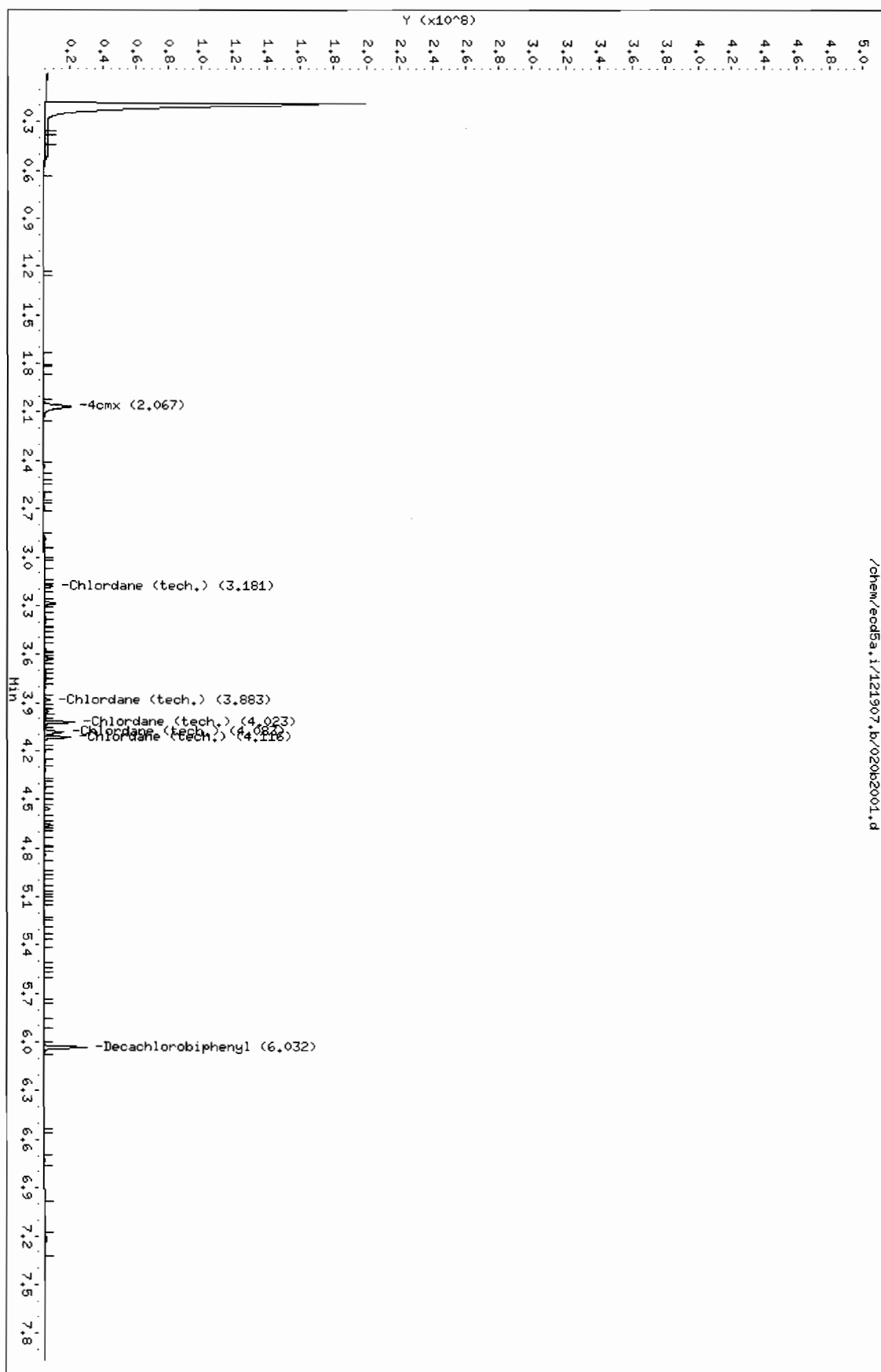
AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====
8 Chlordane (tech.)					CAS #: 57-74-9			
3.181	3.180	0.001	5337098	100.000	83.8	80.00- 120.00	100.00	
3.883	3.883	0.000	3155949	100.000	81.9	43.10- 83.10	59.13	
4.023	4.023	0.000	15693707	100.000	83.4	283.52- 323.52	294.05	
4.083	4.083	0.000	13036860	100.000	84.4	194.45- 234.45	244.27	
4.116	4.115	0.001	13133245	100.000	86.4	223.54- 263.54	246.07	
Average of Peak Amounts =					84			

\$ 1 4cmx					CAS #: 877-09-8			
2.067	2.065	0.002	27366162	20.0000	14.4	80.00- 120.00	100.00	

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3			
6.032	6.030	0.002	20123528	20.0000	12.2	80.00- 120.00	100.00	

Data File: /chem/ecdb5.i/121907.b/020b2001.d
Date : 20-DEC-2007 02:48
Client ID: CHLDR02
Sample Info: IMPE071023-06 CL
Column phase: CLP-2

Instrument: ecdb5.i
Operator: HXJ1
Column diameter: 0.25



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/121907.b/021f2101.d
 Lab Smp Id: WPE071023-07 CL Client Smp ID: CHLOR03
 Inj Date : 20-DEC-2007 02:59
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |WPE071023-07 CL
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/121907.b/ECD5-F-8081-121907.B.m
 Meth Date : 20-Dec-2007 20:09 hea01125 Quant Type: ESTD
 Cal Date : 14-DEC-2007 02:22 Cal File: 021f2101.d
 Als bottle: 21 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Chlor.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====		=====	=====	=====	=====
8 Chlordane (tech.)					CAS #: 57-74-9		
3.340	3.340	0.000		4673888 500.000	498	80.00- 120.00	100.00
3.985	3.985	0.000		2719172 500.000	496	39.47- 79.47	58.18
4.109	4.109	0.000		16755977 500.000	512	335.59- 375.59	358.50
4.191	4.192	-0.001		24376803 500.000	496	460.83- 500.83	521.55
4.665	4.665	0.000		4215360 500.000	478	79.01- 119.01	90.19
Average of Peak Amounts =					496		

\$ 1 4cmx					CAS #: 877-09-8		
2.232	2.230	0.002		23038393 100.000	76.6	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3		
5.977	5.975	0.002		14749754 100.000	68.7	80.00- 120.00	100.00

Data File: /chem/ecdf5a.i/121907.b/021f2101.d

Date : 20-DEC-2007 02:59

Client ID: CHLDR03

Sample Info: 1MPE071023-07 CL

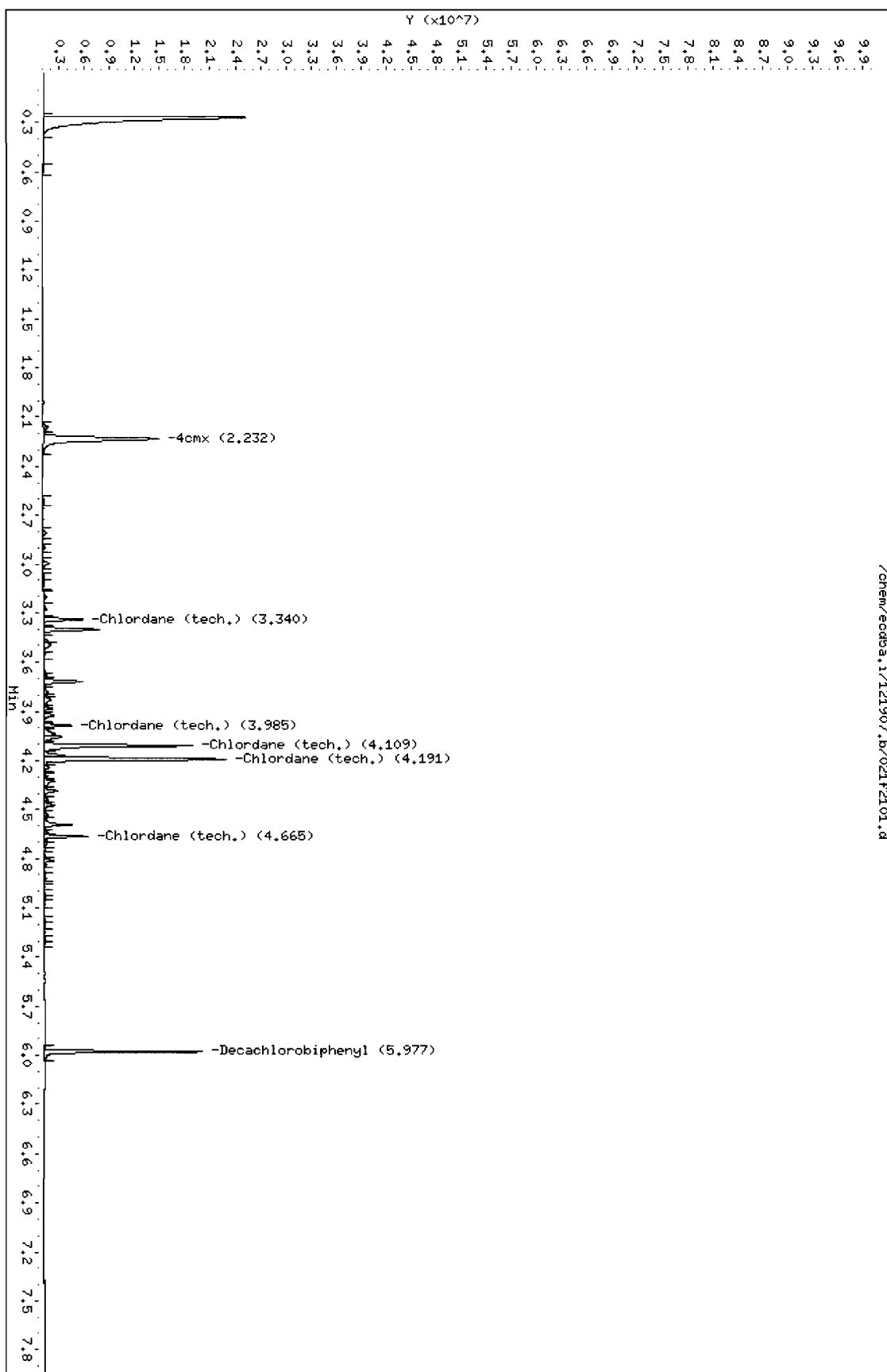
Column phase: CLP-1

Instrument: ecdf5a.i

Operator: HKJ1

Column diameter: 0.25

/chem/ecdf5a.i/121907.b/021f2101.d



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/121907.b/021b2101.d
Lab Smp Id: WPE071023-07 CL Client Smp ID: CHLOR03
Inj Date : 20-DEC-2007 02:59
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071023-07 CL
Misc Info :
Comment :
Method : /chem/ecd5a.i/121907.b/ECD5-B-8081-121907.B.m
Meth Date : 20-Dec-2007 20:12 hea01125 Quant Type: ESTD
Cal Date : 14-DEC-2007 02:22 Cal File: 021b2101.d
Als bottle: 21 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Chlor.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS

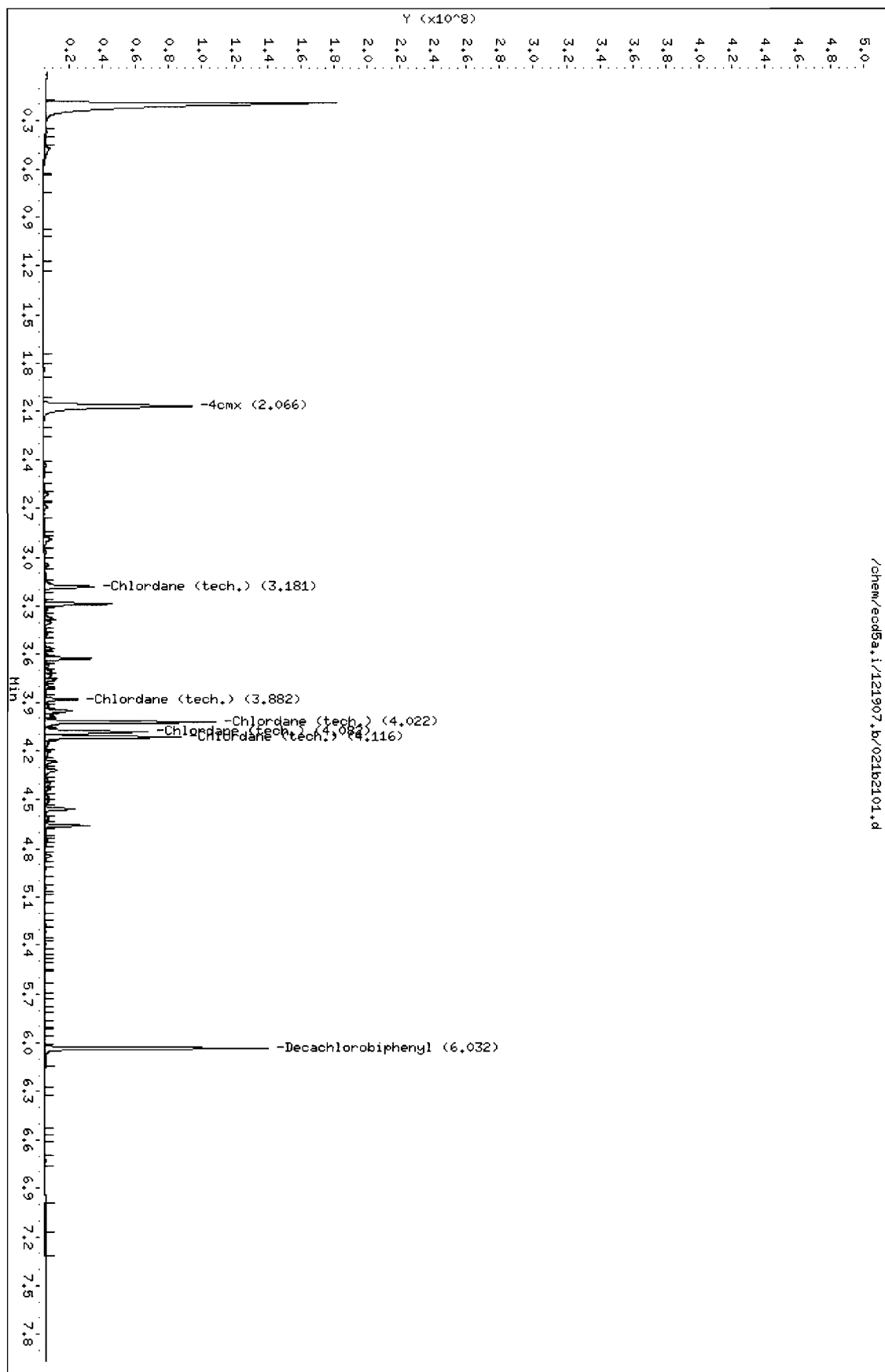
			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
8 Chlordane (tech.)					CAS #: 57-74-9		
3.181	3.180	0.001	31889130	500.000	509	80.00- 120.00	100.00
3.882	3.883	-0.001	18625616	500.000	495	43.10- 83.10	58.41
4.022	4.023	-0.001	88229895	500.000	482	283.52- 323.52	276.68
4.082	4.083	-0.001	71448917	500.000	475	194.45- 234.45	224.05
4.116	4.115	0.001	70016228	500.000	473	223.54- 263.54	219.56
Average of Peak Amounts =					487		

\$ 1 4cmx					CAS #: 877-09-8		
2.066	2.065	0.001	148500165	100.000	78.0	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3		
6.032	6.030	0.002	106583667	100.000	64.6	80.00- 120.00	100.00

Data File: /chem/eod5a.i/121907.b/021b2101.d
Date: 20-DEC-2007 02:59
Client ID: CHLOR03
Sample Info: IMPE071023-07 CL
Column phase: CLP-2

Instrument: eod5a.i
Operator: HXJL
Column diameter: 0.25



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/121907.b/022f2201.d
Lab Smp Id: WPE071023-08 CL Client Smp ID: CHLOR04
Inj Date : 20-DEC-2007 03:11
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071023-08 CL
Misc Info :
Comment :
Method : /chem/ecd5a.i/121907.b/ECD5-F-8081-121907.B.m
Meth Date : 20-Dec-2007 20:09 hea01125 Quant Type: ESTD
Cal Date : 20-JUL-2007 09:59 Cal File: 006f0601.d
Als bottle: 22 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Chlor.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
8 Chlordane (tech.)					CAS #: 57-74-9			
3.340	3.340	0.000	9510038	1000.00	1010	80.00-	120.00	100.00
3.985	3.985	0.000	5748768	1000.00	1050	39.47-	79.47	60.45
4.108	4.109	-0.001	34240498	1000.00	1040	335.59-	375.59	360.05
4.191	4.192	-0.001	49758679	1000.00	1010	460.83-	500.83	523.22
4.665	4.665	0.000	8805357	1000.00	999	79.01-	119.01	92.59
Average of Peak Amounts =					1.02e+03			

\$ 1 4cmx					CAS #: 877-09-8			
2.233	2.230	0.003	47192999	200.000	157	80.00-	120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3			
5.976	5.975	0.001	28694922	200.000	134	80.00-	120.00	100.00

Data File: /chem/ecd5a.i/121907.b/022f2201.d

Date: 20-DEC-2007 03:11

Client ID: CHLOR04

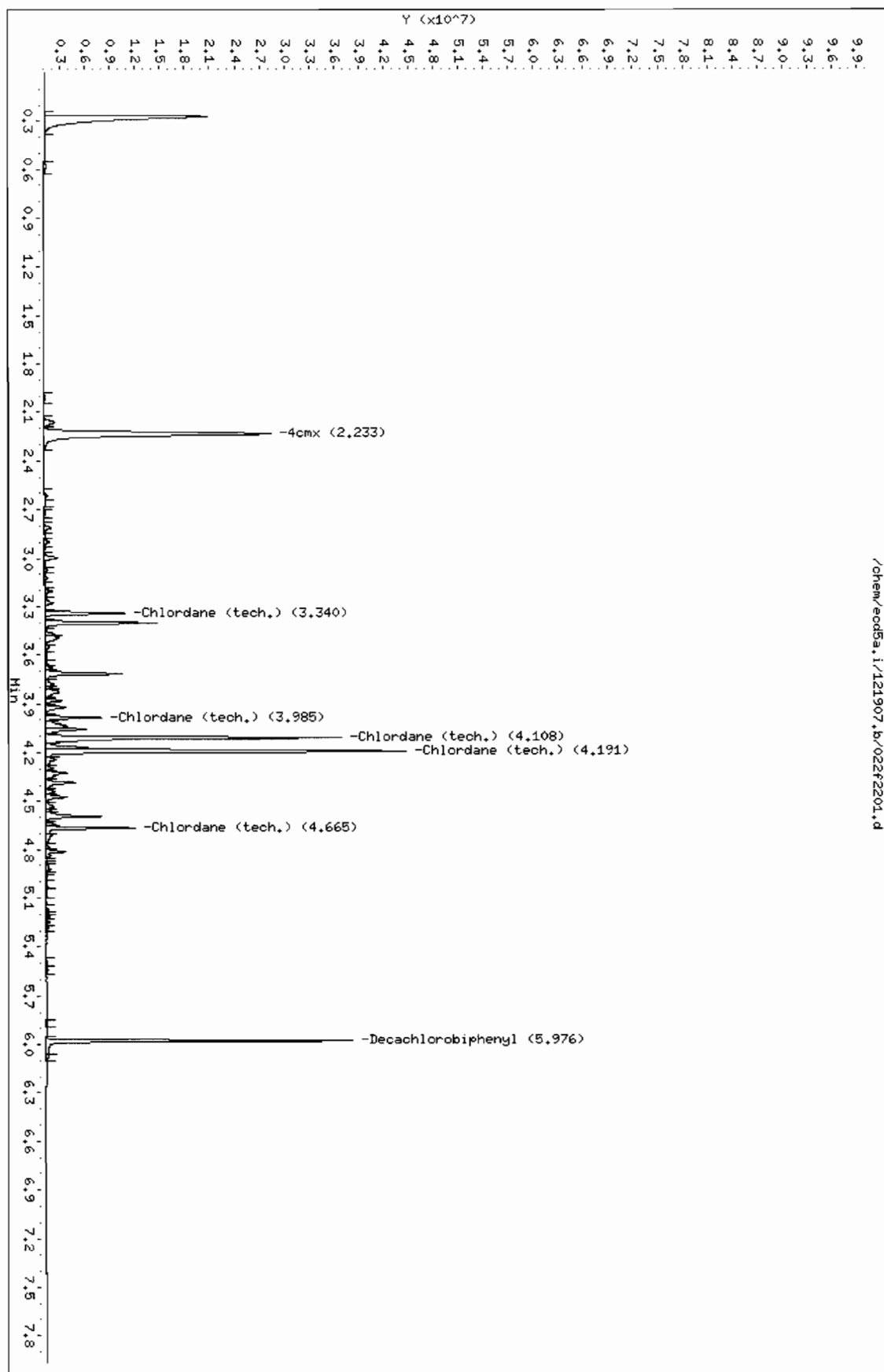
Sample Info: 1WPE071023-08 CL

Column phase: CLP-1

Instrument: ecd5a.i

Operator: HKJL

Column diameter: 0.25



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/121907.b/022b2201.d
 Lab Smp Id: WPE071023-08 CL Client Smp ID: CHLOR04
 Inj Date : 20-DEC-2007 03:11
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |WPE071023-08 CL
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/121907.b/ECD5-B-8081-121907.B.m
 Meth Date : 20-Dec-2007 20:12 hea01125 Quant Type: ESTD
 Cal Date : 20-JUL-2007 09:59 Cal File: 006b0601.d
 Als bottle: 22 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Chlor.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	
8 Chlordane (tech.)				CAS #: 57-74-9			
3.181	3.180	0.001	57449958 1000.00	943	80.00- 120.00	100.00	
3.883	3.883	0.000	36333134 1000.00	1000	43.10- 83.10	63.24	
4.023	4.023	0.000	175973820 1000.00	998	283.52- 323.52	306.31	
4.083	4.083	0.000	143466355 1000.00	987	194.45- 234.45	249.72	
4.115	4.115	0.000	138771742 1000.00	971	223.54- 263.54	241.55	
Average of Peak Amounts =				980			

\$ 1 4cmx				CAS #: 877-09-8			
2.066	2.065	0.001	304026334 200.000	160	80.00- 120.00	100.00	

\$ 32 Decachlorobiphenyl				CAS #: 2051-24-3			
6.033	6.030	0.003	219885542 200.000	133	80.00- 120.00	100.00	

Data File: /chem/ecdb5a.i/121907.b/022b2201.d

Date : 20-DEC-2007 03:11

Client ID: CHLORO4

Sample Info: IMPE071023-08 CL

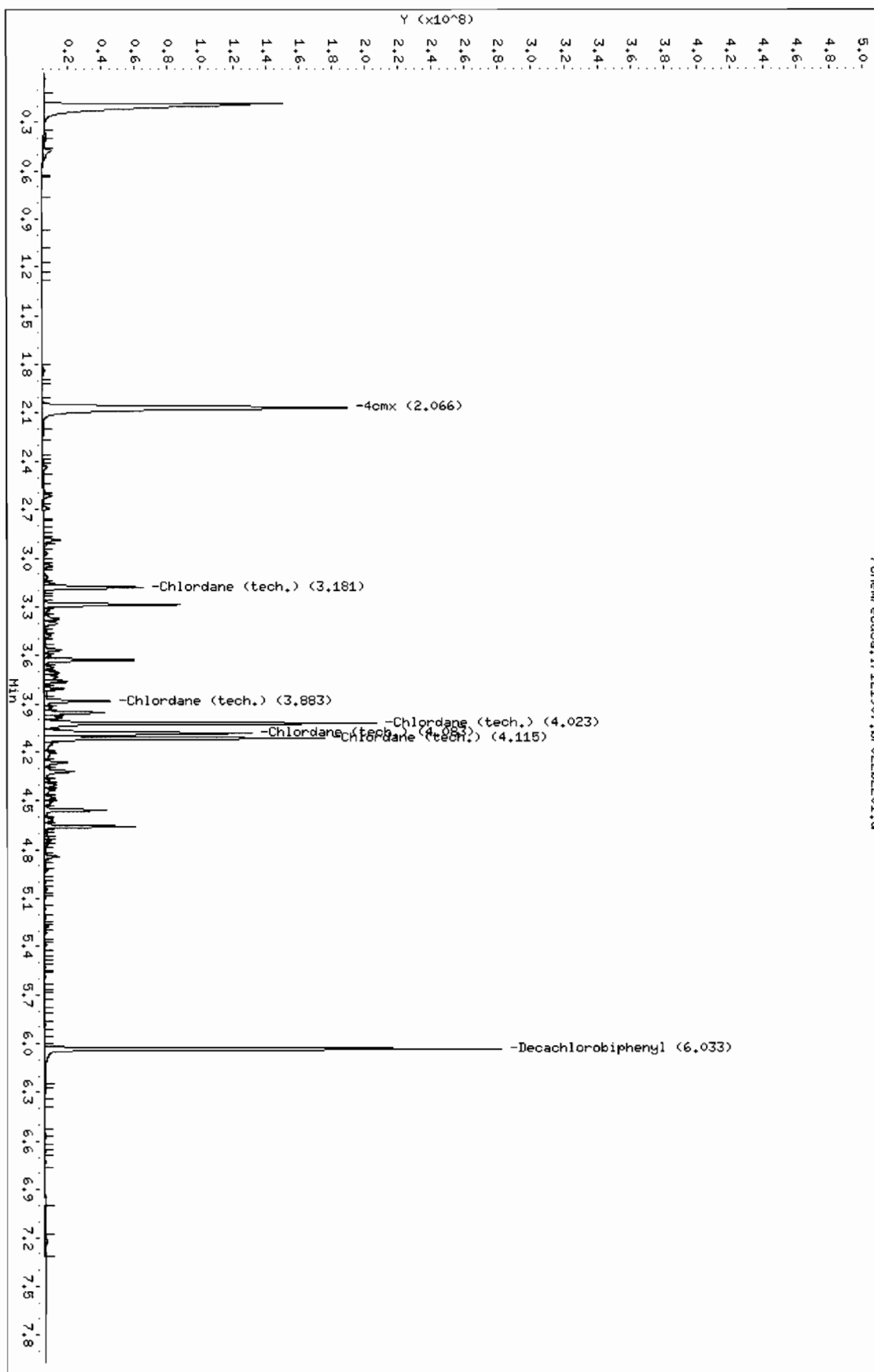
Column phase: CLP-2

Instrument: ecdb5a.i

Operator: HXJ1

Column diameter: 0.25

/chem/ecdb5a.i/121907.b/022b2201.d



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CLP-1

Data file : /chem/ecd5a.i/121907.b/023f2301.d
Lab Smp Id: IPE071011-01 CL Client Smp ID: CHLOR05
Inj Date : 20-DEC-2007 03:23
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |IPE071011-01 CL
Misc Info :
Comment :
Method : /chem/ecd5a.i/121907.b/ECD5-F-8081-121907.B.m
Meth Date : 20-Dec-2007 20:09 hea01125 Quant Type: ESTD
Cal Date : 14-DEC-2007 02:46 Cal File: 023f2301.d
Als bottle: 23 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Chlor.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====		=====
8 Chlordane (tech.)					CAS #: 57-74-9			
3.339	3.340	-0.001	29778831	3000.00	3170	80.00-	120.00	100.00 (A)
3.984	3.985	-0.001	17667693	3000.00	3220	39.47-	79.47	59.33
4.109	4.109	0.000	104427198	3000.00	3190	335.59-	375.59	350.68
4.190	4.192	-0.002	147600657	3000.00	3000	460.83-	500.83	495.66
4.665	4.665	0.000	27835518	3000.00	3160	79.01-	119.01	93.47
Average of Peak Amounts =					3.15e+03			

\$ 1 4cmx					CAS #: 877-09-8			
2.232	2.230	0.002	141449406	400.000	470	80.00-	120.00	100.00 (A)

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3			
5.976	5.975	0.001	82378180	400.000	384	80.00-	120.00	100.00

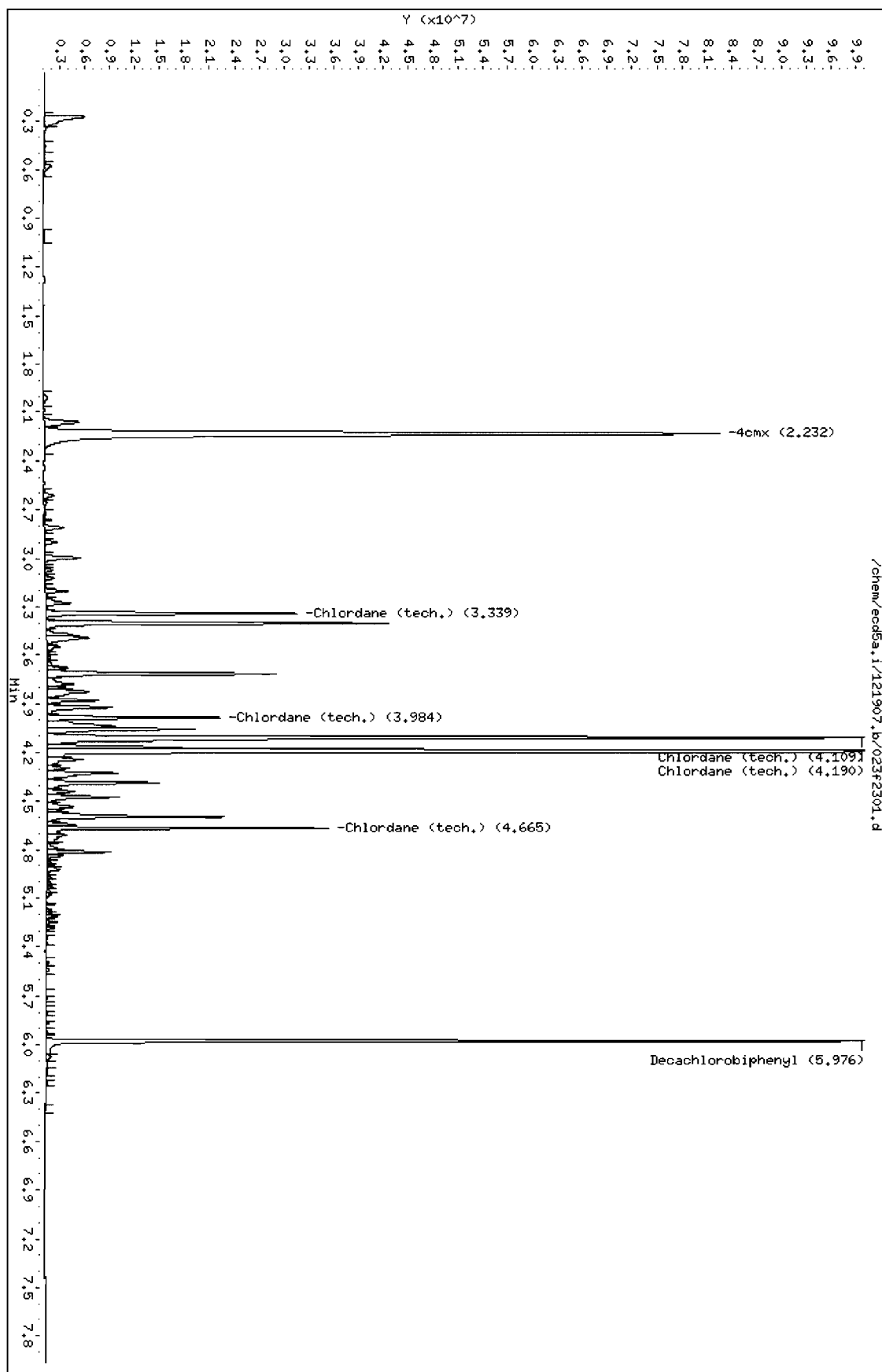
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/ecd5a.i/121907.b/023f2301.d
Date : 20-DEC-2007 03:23
Client ID: CHLOR05
Sample Info: 11PE071011-01 CL
Column phase: CLP-1

Instrument: ecd5a.i
Operator: HXJ1
Column diameter: 0.25

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GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/121907.b/023b2301.d
Lab Smp Id: IPE071011-01 CL Client Smp ID: CHLOR05
Inj Date : 20-DEC-2007 03:23
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |IPE071011-01 CL
Misc Info :
Comment :
Method : /chem/ecd5a.i/121907.b/ECD5-B-8081-121907.B.m
Meth Date : 20-Dec-2007 20:12 hea01125 Quant Type: ESTD
Cal Date : 14-DEC-2007 02:46 Cal File: 023b2301.d
Als bottle: 23 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Chlor.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----	-----
8 Chlordane (tech.)					CAS #: 57-74-9		
3.180	3.180	0.000	182859379	3000.00	3070	80.00- 120.00	100.00(A)
3.883	3.883	0.000	115432420	3000.00	3260	43.10- 83.10	63.13
4.023	4.023	0.000	552558819	3000.00	3220	283.52- 323.52	302.18
4.083	4.083	0.000	456479606	3000.00	3240	194.45- 234.45	249.63
4.116	4.115	0.001	434503908	3000.00	3130	223.54- 263.54	237.62
Average of Peak Amounts =					3.19e+03		

\$ 1 4cmx					CAS #: 877-09-8		
2.075	2.065	0.010	299686714	400.000	157	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3		
6.032	6.030	0.002	661116113	400.000	400	80.00- 120.00	100.00

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

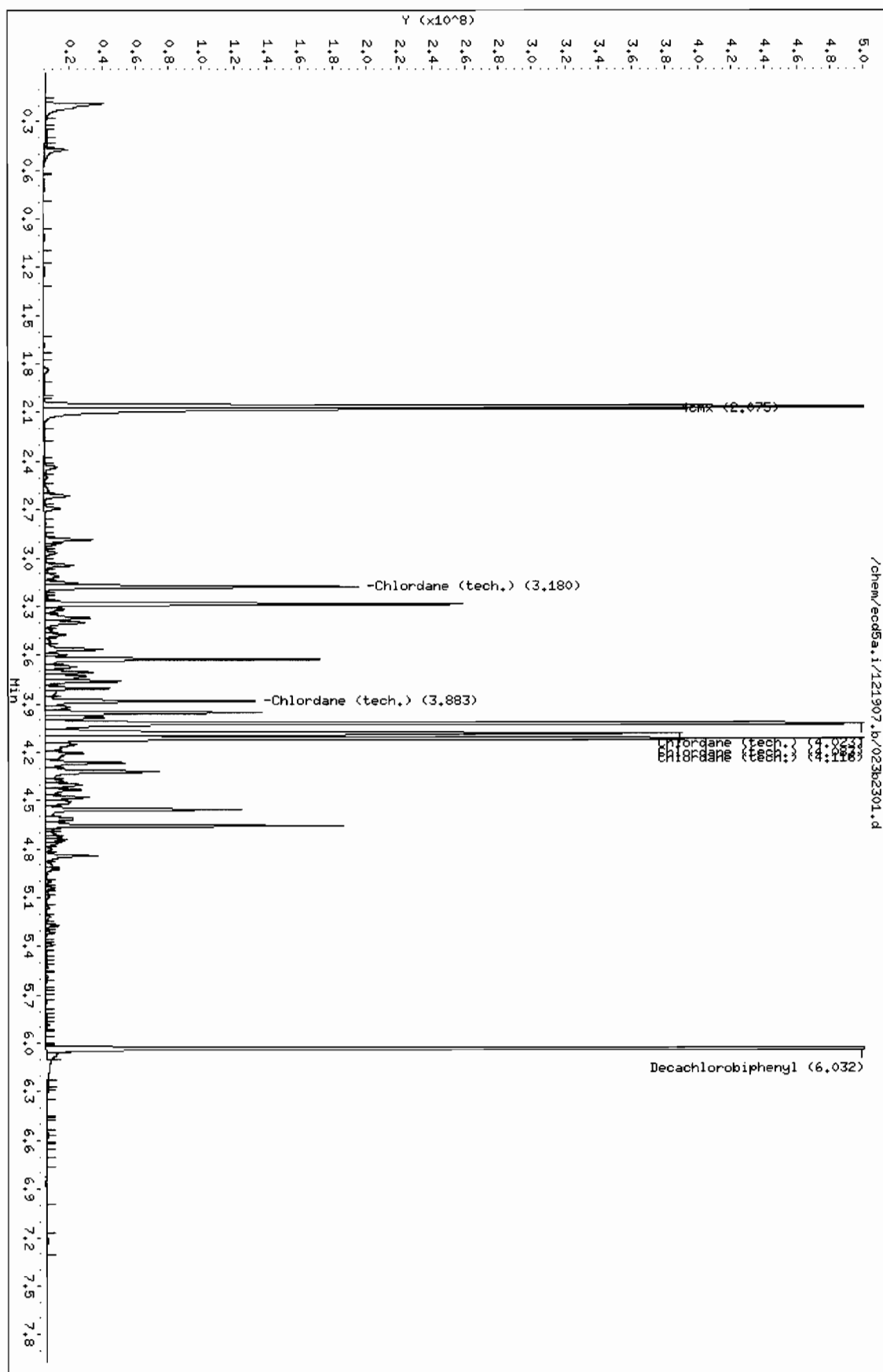
Page 1

Instrument: ecd5a.i

Sample Info: IPE071011-01 CL

Sample Info: IPE071011-01 CL

Operator: HXJ1
Column diameter: 0.25



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/122807.b/006f0601.d
Lab Smp Id: WPE071204-14AB Client Smp ID: INDAB01
Inj Date : 28-DEC-2007 19:21
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071204-14AB
Misc Info :
Comment :
Method : /chem/ecd5a.i/122807.b/ECD5-F-8081-121907.B.m
Meth Date : 28-Dec-2007 22:58 hea01125 Quant Type: ESTD
Cal Date : 20-DEC-2007 03:46 Cal File: 025f2501.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDAB.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		RATIO
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	
---	-----	-----	-----	-----	-----	-----	-----
5 alpha-BHC							
			CAS #: 319-84-6				
2.751	2.752	-0.001	1278032	4.00000	3.61	80.00- 120.00	100.00

7 gamma-BHC (Lindane)							
			CAS #: 58-89-9				
3.019	3.020	-0.001	1261099	4.00000	3.86	80.00- 120.00	100.00

12 beta-BHC							
			CAS #: 319-85-7				
3.097	3.098	-0.001	615880	4.00000	4.17	80.00- 120.00	100.00

10 Heptachlor							
			CAS #: 76-44-8				
3.389	3.390	-0.001	1344005	4.00000	3.94	80.00- 120.00	100.00

13 delta-BHC							
			CAS #: 319-86-8				
3.232	3.232	0.000	1201124	4.00000	3.68	80.00- 120.00	100.00

11 Aldrin							
			CAS #: 309-00-2				
3.603	3.604	-0.001	1250171	4.00000	3.83	80.00- 120.00	100.00

14 Heptachlor epoxide							
			CAS #: 1024-57-3				
4.012	4.013	-0.001	1225475	4.00000	4.03	80.00- 120.00	100.00

17 gamma-Chlordane							
			CAS #: 5103-74-2				
4.097	4.097	0.000	1202803	4.00000	3.95	80.00- 120.00	100.00

18 alpha-Chlordane							
			CAS #: 5103-71-9				
4.182	4.183	-0.001	1239315	4.00000	4.11	80.00- 120.00	100.00

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	RESPONSE (ug/L)	(ug/L)	=====	=====
16 Endosulfan I						
4.262	4.262	0.000	1132214 4.00000	CAS #: 959-98-8 3.94	80.00- 120.00	100.00 (M)

19 4,4'-DDE						
4.246	4.246	0.000	2239530 8.00000	CAS #: 72-55-9 5.98	80.00- 120.00	100.00 (M)

20 Dieldrin						
4.412	4.414	-0.002	2382844 8.00000	CAS #: 60-57-1 7.80	80.00- 120.00	100.00

22 Endrin						
4.554	4.555	-0.001	2256741 8.00000	CAS #: 72-20-8 7.91	80.00- 120.00	100.00

25 4,4'-DDD						
4.610	4.610	0.000	1970406 8.00000	CAS #: 72-54-8 7.84	80.00- 120.00	100.00

24 Endosulfan II						
4.689	4.690	-0.001	2120347 8.00000	CAS #: 33213-65-9 8.19	80.00- 120.00	100.00

27 Endrin aldehyde						
4.939	4.939	0.000	1653162 8.00000	CAS #: 7421-93-4 8.33	80.00- 120.00	100.00

26 4,4'-DDT						
4.779	4.780	-0.001	1824036 8.00000	CAS #: 50-29-3 7.50	80.00- 120.00	100.00

29 Endosulfan sulfate						
5.194	5.194	0.000	2044139 8.00000	CAS #: 1031-07-8 8.55	80.00- 120.00	100.00

28 Methoxychlor						
5.072	5.073	-0.001	5016391 40.0000	CAS #: 72-43-5 41.8	80.00- 120.00	100.00

31 Endrin ketone						
5.362	5.361	0.001	2401053 8.00000	CAS #: 53494-70-5 8.66	80.00- 120.00	100.00

\$ 1 4cmx						
2.219	2.220	-0.001	2274948 8.00000	CAS #: 877-09-8 8.07	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl						
5.965	5.965	0.000	2789135 8.00000	CAS #: 2051-24-3 10.7	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecdb5a.i/122807.b/006f0601.d

Date: 28-DEC-2007 19:21

Client ID: INDAB01

Sample Info: IMPE071204-14AB

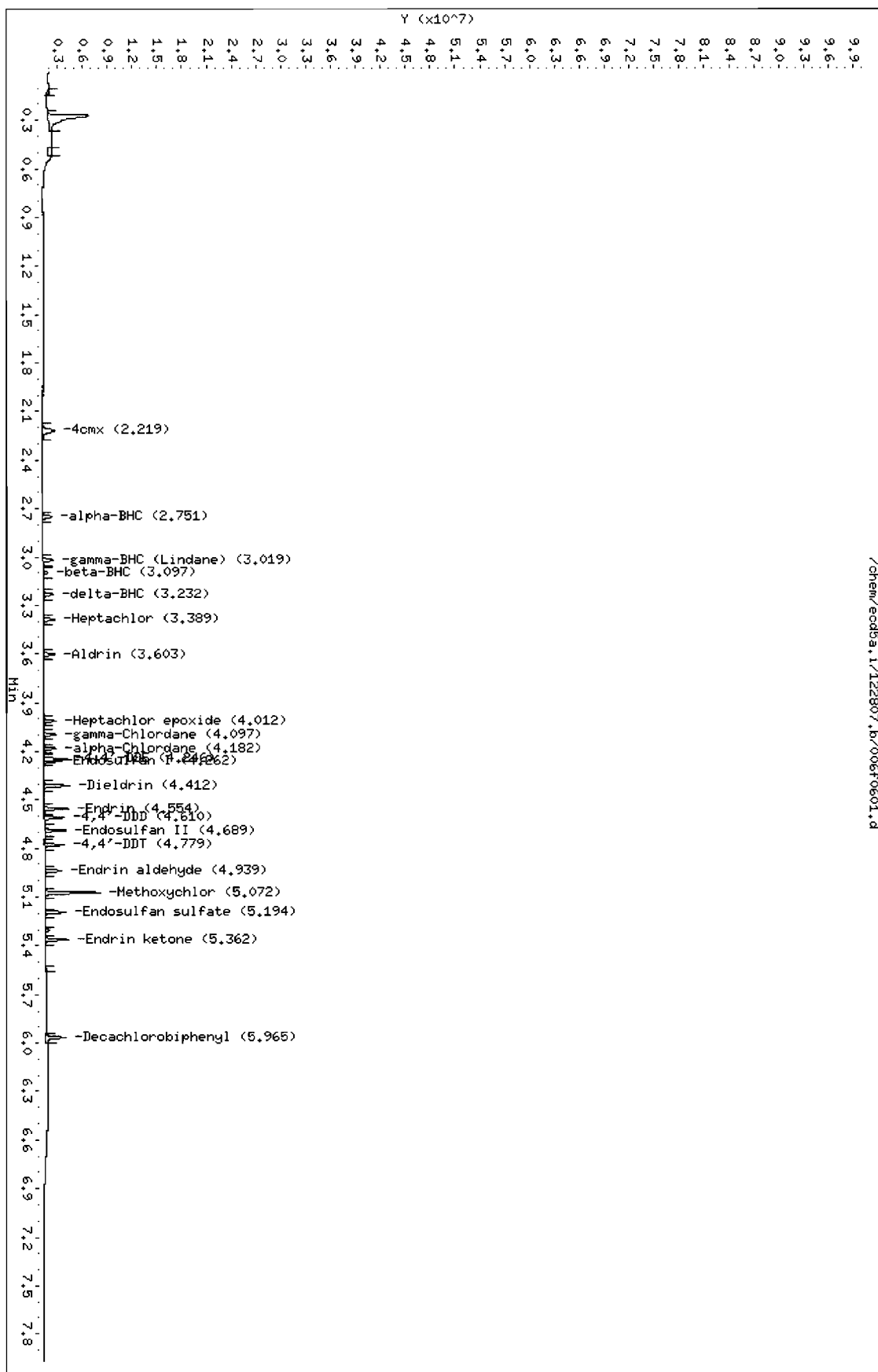
Column phase: CLP-1

Instrument: ecdb5a.i

Operator: HXJL

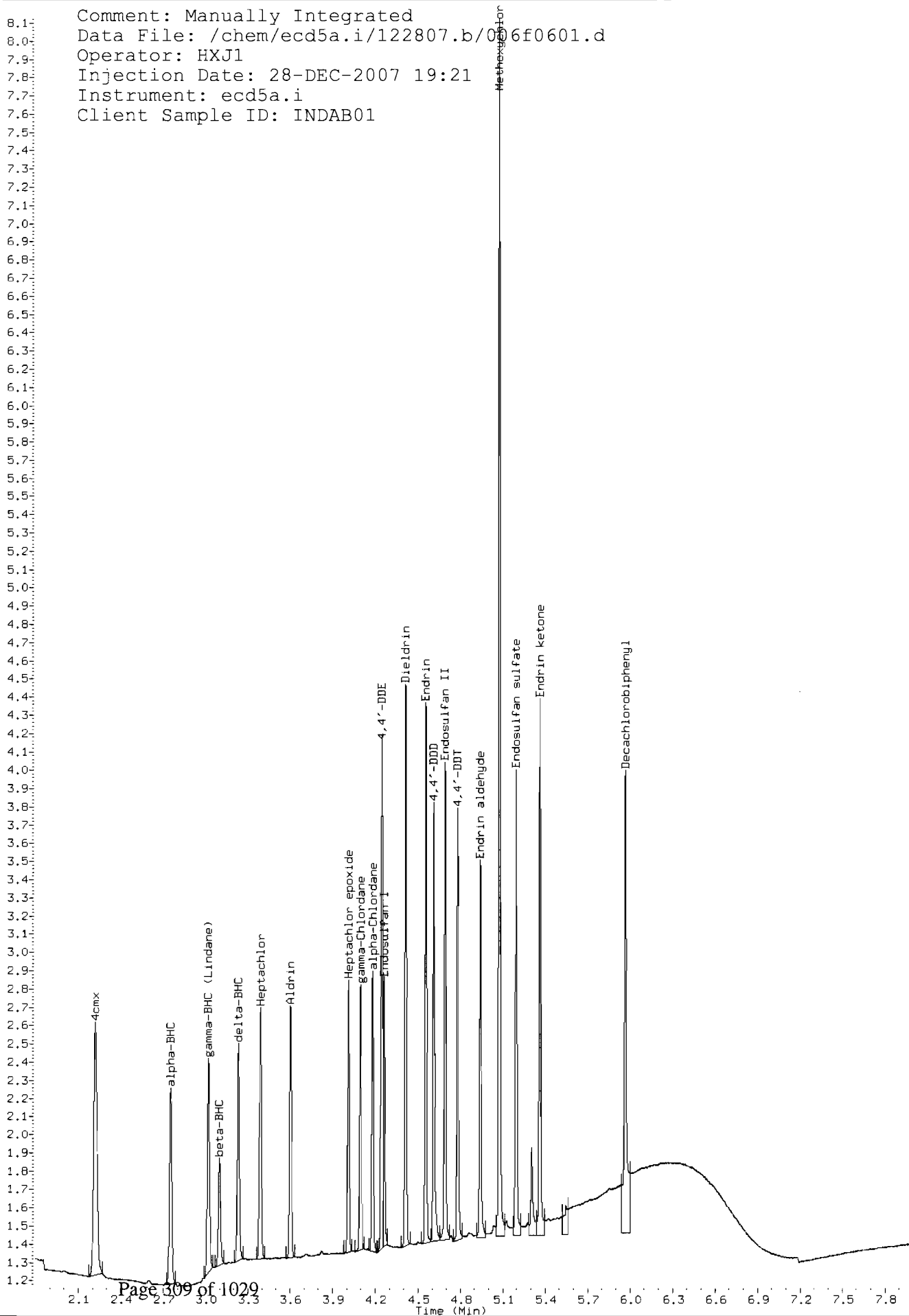
Column diameter: 0.25

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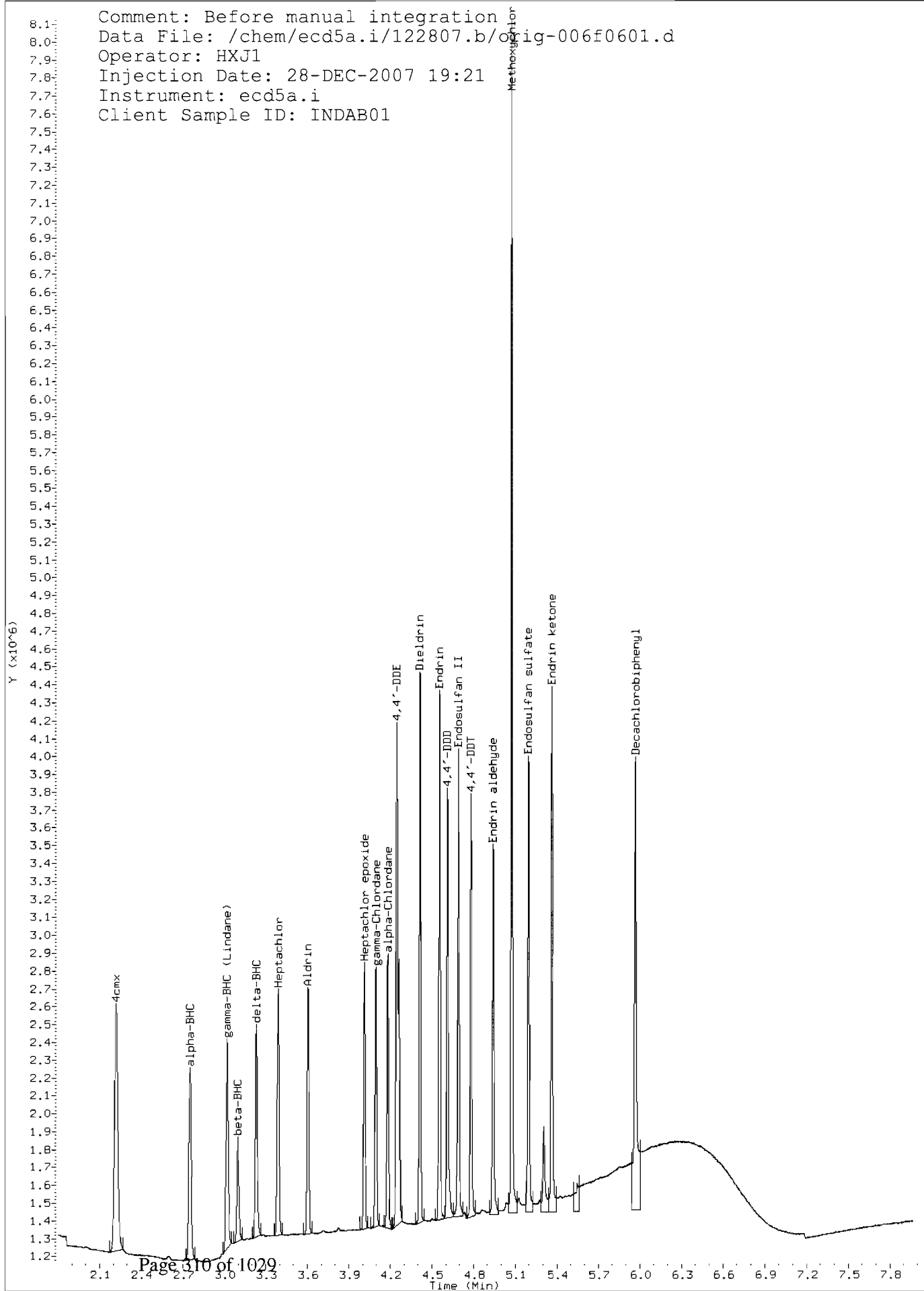


Comment: Manually Integrated
Data File: /chem/ecd5a.i/122807.b/006f0601.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:21
Instrument: ecd5a.i
Client Sample ID: INDAB01

Y (x10⁶)



Comment: Before manual integration
Data File: /chem/ecd5a.i/122807.b/orig-006f0601.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:21
Instrument: ecd5a.i
Client Sample ID: INDAB01



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/122807.b/006b0601.d
Lab Smp Id: WPE071207-14AB Client Smp ID: INDAB01
Inj Date : 28-DEC-2007 19:21
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071207-14AB
Misc Info :
Comment :
Method : /chem/ecd5a.i/122807.b/ECD5-B-8081-121907.B.m
Meth Date : 28-Dec-2007 22:47 hea01125 Quant Type: ESTD
Cal Date : 20-DEC-2007 03:46 Cal File: 025b2501.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDAB.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		RATIO
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE		
==	=====	=====	=====	=====	=====		=====
5 alpha-BHC							
			CAS #: 319-84-6				
2.656	2.657	-0.001	7731567	4.00000	3.61 80.00- 120.00		100.00

7 gamma-BHC (Lindane)							
			CAS #: 58-89-9				
2.952	2.953	-0.001	7201696	4.00000	3.68 80.00- 120.00		100.00 (M)

12 beta-BHC							
			CAS #: 319-85-7				
3.037	3.037	0.000	3408926	4.00000	3.98 80.00- 120.00		100.00 (M)

10 Heptachlor							
			CAS #: 76-44-8				
3.277	3.278	-0.001	7676526	4.00000	3.92 80.00- 120.00		100.00 (M)

13 delta-BHC							
			CAS #: 319-86-8				
3.251	3.252	-0.001	7202202	4.00000	3.69 80.00- 120.00		100.00 (M)

11 Aldrin							
			CAS #: 309-00-2				
3.501	3.502	-0.001	7062124	4.00000	3.86 80.00- 120.00		100.00

14 Heptachlor epoxide							
			CAS #: 1024-57-3				
3.891	3.892	-0.001	6846988	4.00000	4.10 80.00- 120.00		100.00

17 gamma-Chlordane							
			CAS #: 5103-74-2				
4.013	4.015	-0.002	6690082	4.00000	3.92 80.00- 120.00		100.00

18 alpha-Chlordane							
			CAS #: 5103-71-9				
4.107	4.107	0.000	6551860	4.00000	3.97 80.00- 120.00		100.00

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE RATIO
==	=====	=====	=====	=====	=====	=====
16 Endosulfan I						
					CAS #: 959-98-8	
4.137	4.138	-0.001	6210614	4.00000	4.00	80.00- 120.00 100.00

19 4,4'-DDE						
					CAS #: 72-55-9	
4.225	4.225	0.000	12589166	8.00000	7.60	80.00- 120.00 100.00

20 Dieldrin						
					CAS #: 60-57-1	
4.308	4.309	-0.001	13647659	8.00000	8.02	80.00- 120.00 100.00

22 Endrin						
					CAS #: 72-20-8	
4.492	4.492	0.000	12150960	8.00000	7.92	80.00- 120.00 100.00

25 4,4'-DDD						
					CAS #: 72-54-8	
4.577	4.577	0.000	11208938	8.00000	7.93	80.00- 120.00 100.00

24 Endosulfan II						
					CAS #: 33213-65-9	
4.623	4.624	-0.001	11957613	8.00000	8.25	80.00- 120.00 100.00

27 Endrin aldehyde						
					CAS #: 7421-93-4	
4.827	4.828	-0.001	8753780	8.00000	8.06	80.00- 120.00 100.00

26 4,4'-DDT						
					CAS #: 50-29-3	
4.761	4.762	-0.001	9074571	8.00000	6.98	80.00- 120.00 100.00(M)

29 Endosulfan sulfate						
					CAS #: 1031-07-8	
4.993	4.994	-0.001	10950216	8.00000	8.16	80.00- 120.00 100.00

28 Methoxychlor						
					CAS #: 72-43-5	
5.170	5.169	0.001	24777584	40.0000	43.4	80.00- 120.00 100.00

31 Endrin ketone						
					CAS #: 53494-70-5	
5.302	5.303	-0.001	13850979	8.00000	9.18	80.00- 120.00 100.00

\$ 1 4cmx						
					CAS #: 877-09-8	
2.055	2.055	0.000	14353298	8.00000	8.41	80.00- 120.00 100.00

\$ 32 Decachlorobiphenyl						
					CAS #: 2051-24-3	
6.024	6.025	-0.001	13198258	8.00000	8.64	80.00- 120.00 100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecod5a.i/122807.b/0060601.d

Date: 28-DEC-2007 19:21

Client ID: INDRB01

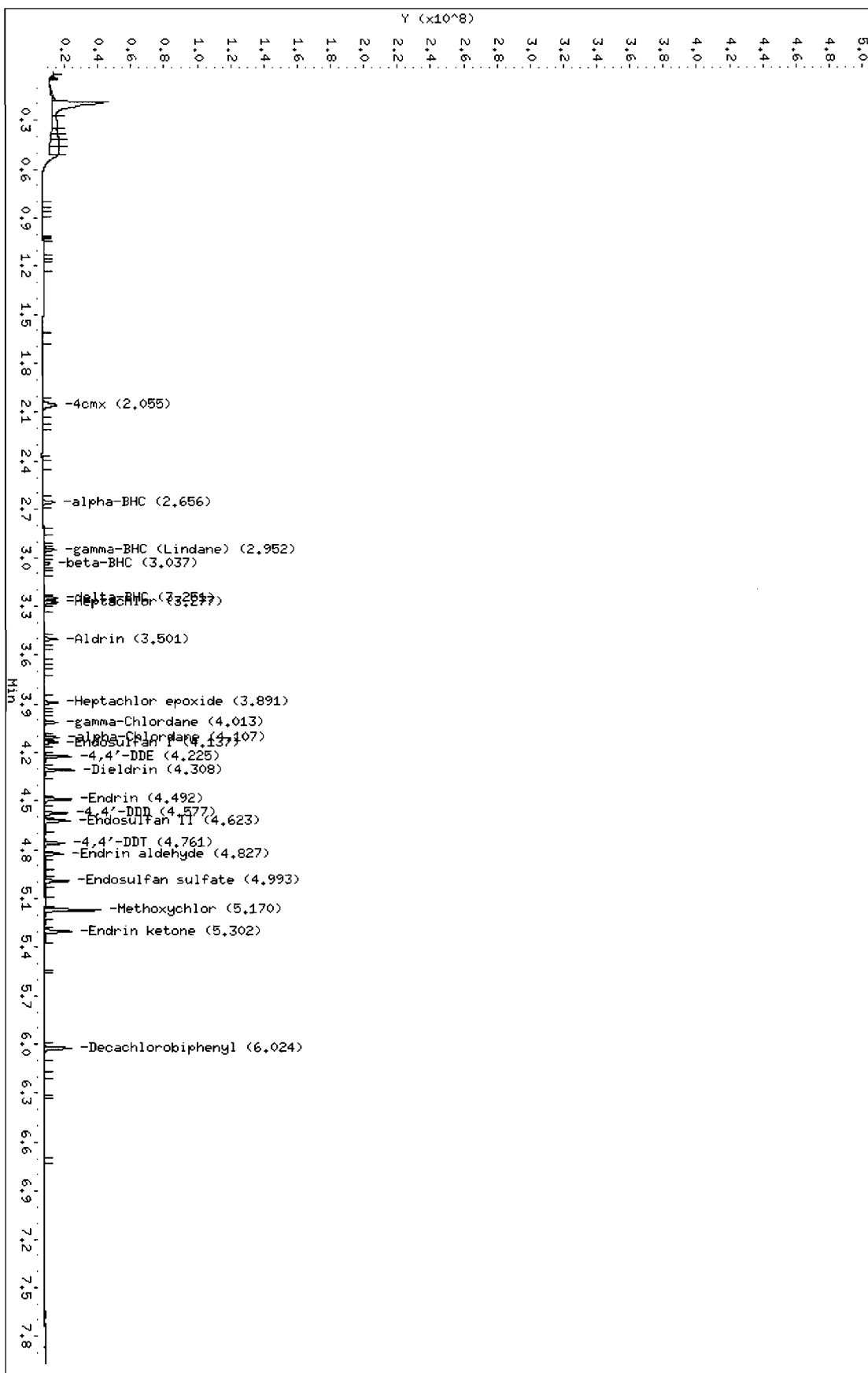
Sample Info: WPE071207-14AB

Page 1

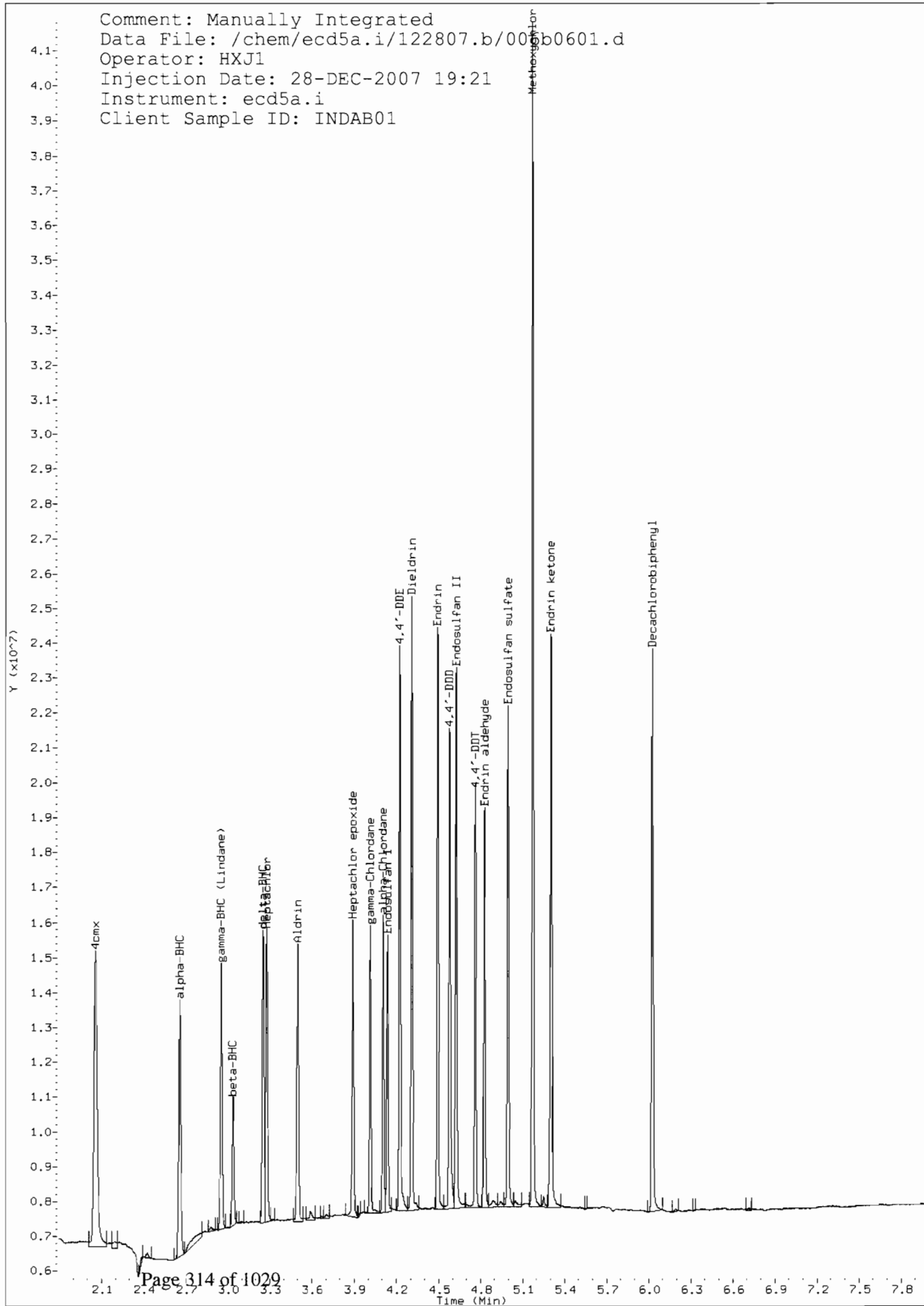
Column phase: CLP-2

Instrument: ecod5a.i
Operator: HXJL
Column diameter: 0.25

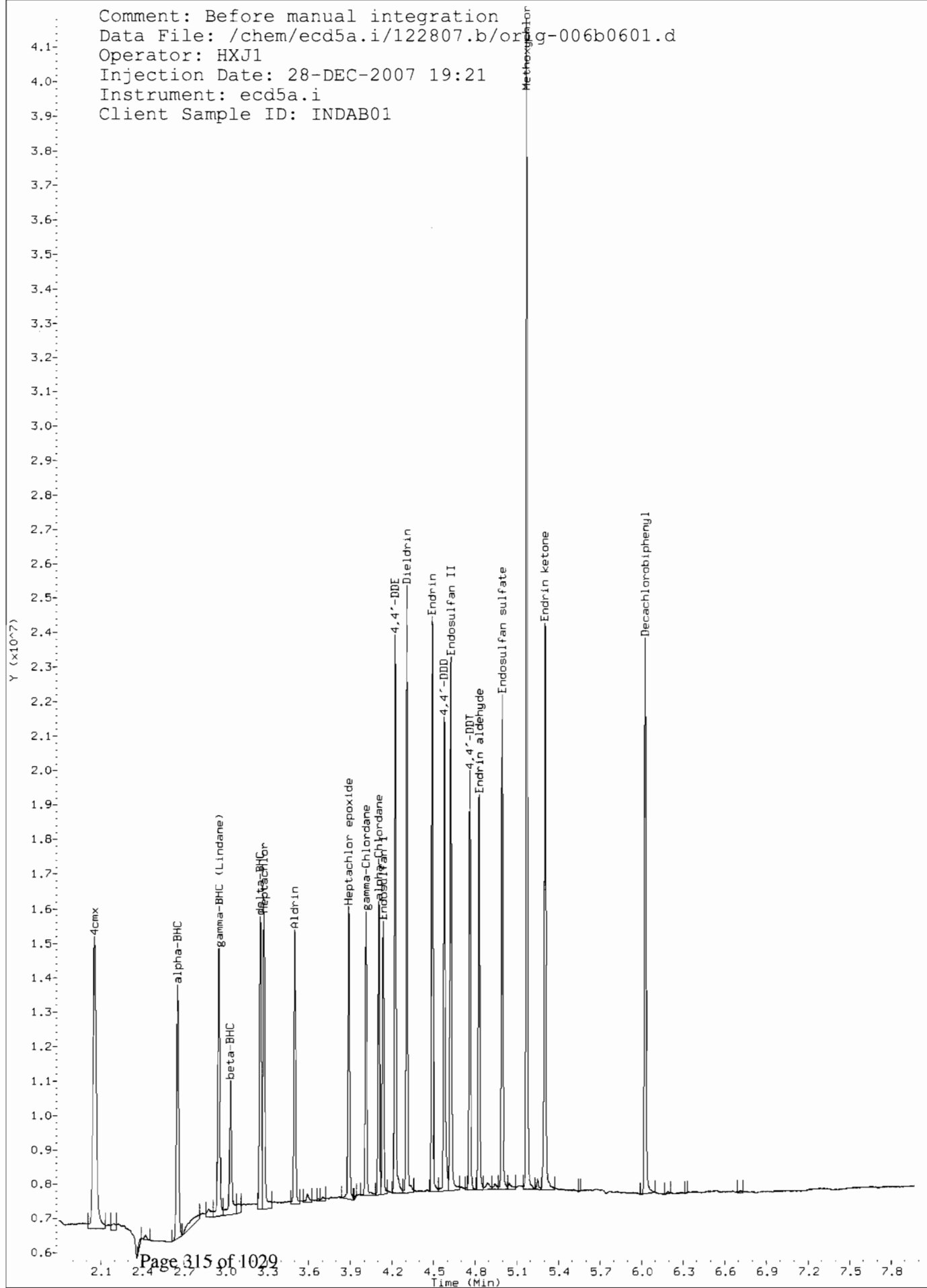
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Comment: Manually Integrated
Data File: /chem/ecd5a.i/122807.b/000b0601.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:21
Instrument: ecd5a.i
Client Sample ID: INDAB01



Comment: Before manual integration
Data File: /chem/ecd5a.i/122807.b/oriong-006b0601.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:21
Instrument: ecd5a.i
Client Sample ID: INDAB01



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/122807.b/007f0701.d
Lab Smp Id: WPE071207-15AB Client Smp ID: INDAB02
Inj Date : 28-DEC-2007 19:33
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071207-15AB
Misc Info :
Comment :
Method : /chem/ecd5a.i/122807.b/ECD5-F-8081-121907.B.m
Meth Date : 28-Dec-2007 22:58 hea01125 Quant Type: ESTD
Cal Date : 20-DEC-2007 03:58 Cal File: 026f2601.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDAB.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
---	-----	-----	RESPONSE (ug/L)	(ug/L)	-----	-----	-----
5 alpha-BHC							
2.751	2.752	-0.001	3272987 10.0000	9.24	80.00- 120.00	100.00	CAS #: 319-84-6

7 gamma-BHC (Lindane)							
3.020	3.020	0.000	3072564 10.0000	9.40	80.00- 120.00	100.00	CAS #: 58-89-9

12 beta-BHC							
3.099	3.098	0.001	1491740 10.0000	10.1	80.00- 120.00	100.00	CAS #: 319-85-7

10 Heptachlor							
3.390	3.390	0.000	3260705 10.0000	9.57	80.00- 120.00	100.00	CAS #: 76-44-8

13 delta-BHC							
3.233	3.232	0.001	3017878 10.0000	9.26	80.00- 120.00	100.00	CAS #: 319-86-8

11 Aldrin							
3.604	3.604	0.000	3105595 10.0000	9.51	80.00- 120.00	100.00	CAS #: 309-00-2

14 Heptachlor epoxide							
4.013	4.013	0.000	2991364 10.0000	9.83	80.00- 120.00	100.00	CAS #: 1024-57-3

17 gamma-Chlordane							
4.097	4.097	0.000	2910515 10.0000	9.57	80.00- 120.00	100.00	CAS #: 5103-74-2

18 alpha-Chlordane							
4.183	4.183	0.000	2957556 10.0000	9.81	80.00- 120.00	100.00	CAS #: 5103-71-9

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
16	Endosulfan I			CAS #:	959-98-8		
4.262	4.262	0.000	2696815	10.0000	9.58	80.00- 120.00	100.00 (M)
19	4,4'-DDE			CAS #:	72-55-9		
4.246	4.246	0.000	5794209	20.0000	16.6	80.00- 120.00	100.00 (M)
20	Dieldrin			CAS #:	60-57-1		
4.414	4.414	0.000	5987044	20.0000	19.6	80.00- 120.00	100.00
22	Endrin			CAS #:	72-20-8		
4.554	4.555	-0.001	5621502	20.0000	19.7	80.00- 120.00	100.00
25	4,4'-DDD			CAS #:	72-54-8		
4.610	4.610	0.000	4925677	20.0000	19.6	80.00- 120.00	100.00
24	Endosulfan II			CAS #:	33213-65-9		
4.689	4.690	-0.001	5139922	20.0000	19.8	80.00- 120.00	100.00
27	Endrin aldehyde			CAS #:	7421-93-4		
4.939	4.939	0.000	3896852	20.0000	19.6	80.00- 120.00	100.00
26	4,4'-DDT			CAS #:	50-29-3		
4.779	4.780	-0.001	4475578	20.0000	18.4	80.00- 120.00	100.00
29	Endosulfan sulfate			CAS #:	1031-07-8		
5.193	5.194	-0.001	4828929	20.0000	20.2	80.00- 120.00	100.00
28	Methoxychlor			CAS #:	72-43-5		
5.072	5.073	-0.001	12245420	100.000	102	80.00- 120.00	100.00
31	Endrin ketone			CAS #:	53494-70-5		
5.361	5.361	0.000	5546542	20.0000	20.0	80.00- 120.00	100.00
\$ 1	4cmx			CAS #:	877-09-8		
2.220	2.220	0.000	5630347	20.0000	20.0	80.00- 120.00	100.00
\$ 32	Decachlorobiphenyl			CAS #:	2051-24-3		
5.965	5.965	0.000	5195648	20.0000	23.8	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecd5a.i/122807.b/0070701.d

Date : 28-DEC-2007 19:33

Client ID: INDA802

Sample Info: IMPE071207-15AB

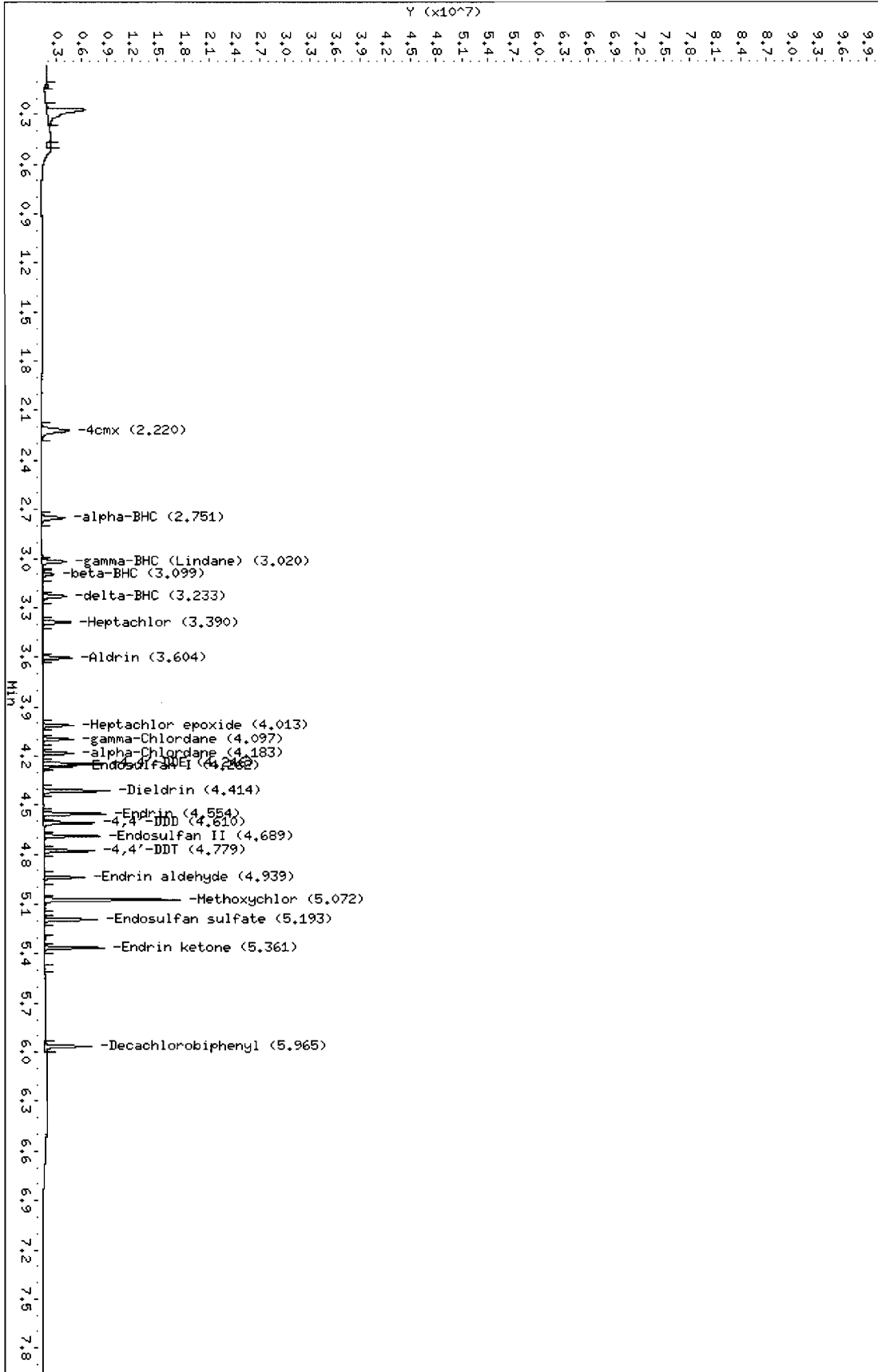
Column phase: CLP-1

Instrument: ecd5a.i

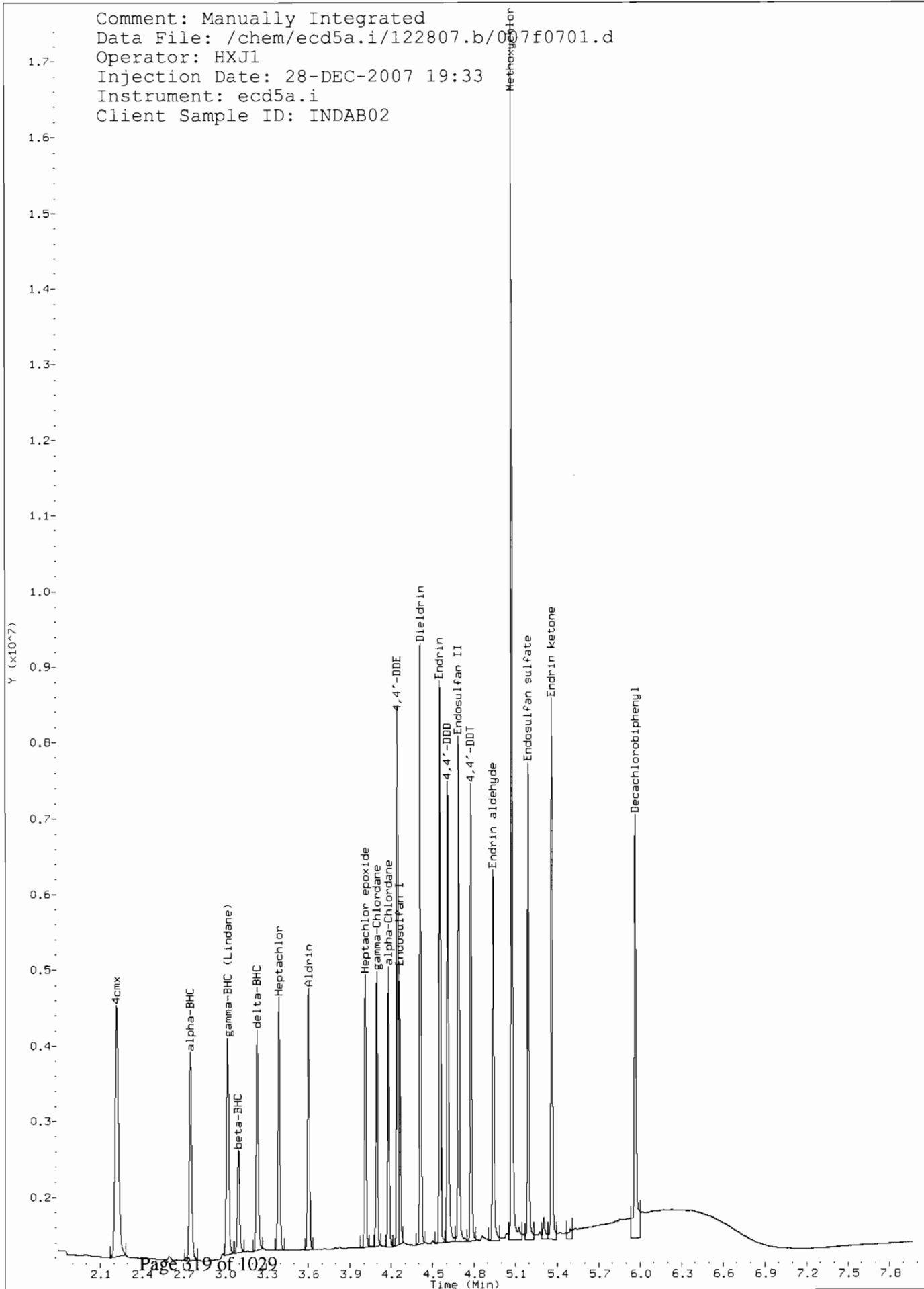
Operator: HXJL

Column diameter: 0.25

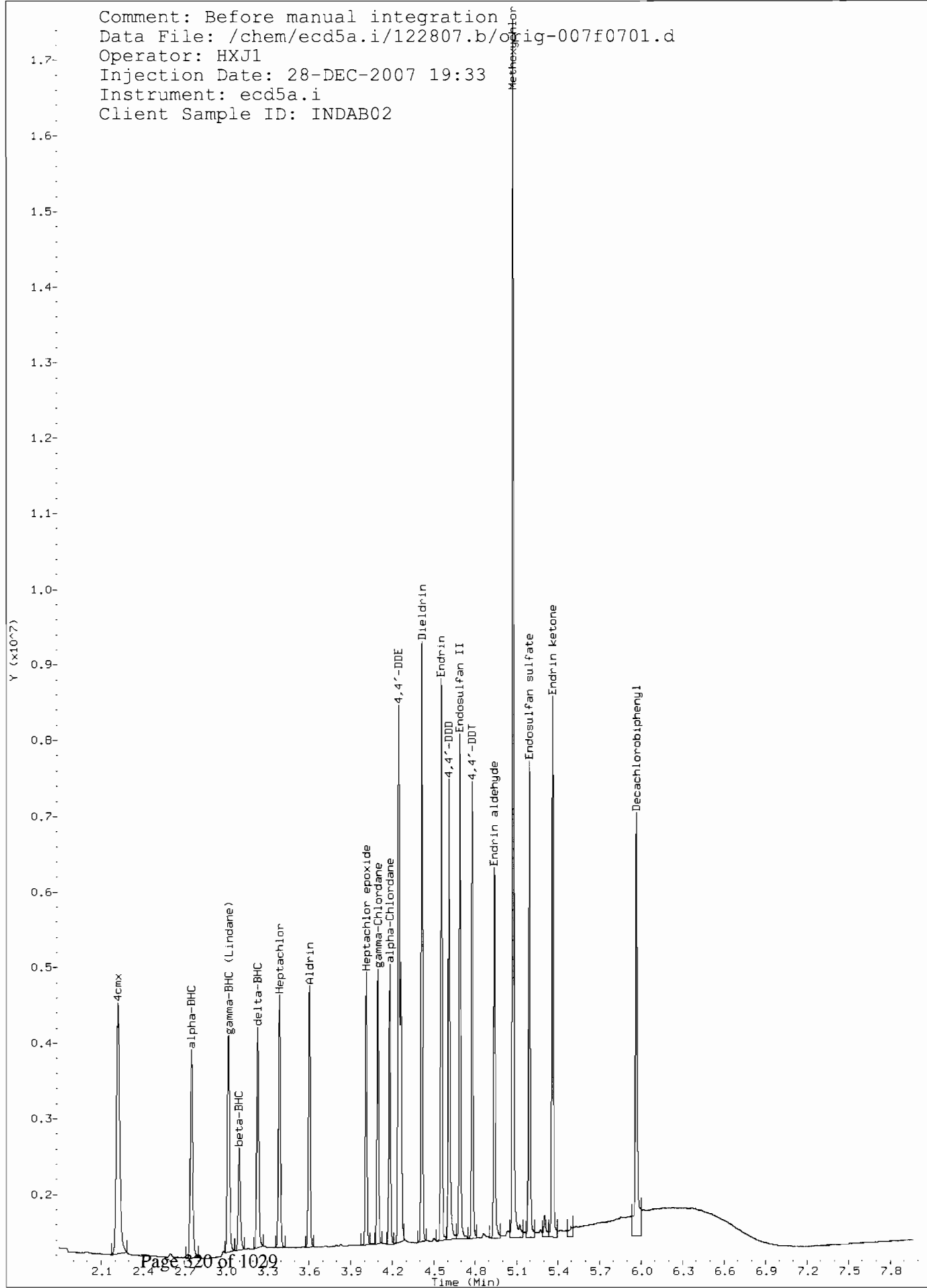
/chem/ecd5a.i/122807.b/0070701.d



Comment: Manually Integrated
Data File: /chem/ecd5a.i/122807.b/007f0701.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:33
Instrument: ecd5a.i
Client Sample ID: INDAB02



Comment: Before manual integration
Data File: /chem/ecd5a.i/122807.b/orig-007f0701.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:33
Instrument: ecd5a.i
Client Sample ID: INDAB02



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/122807.b/007b0701.d
Lab Smp Id: WPE071207-15AB Client Smp ID: INDAB02
Inj Date : 28-DEC-2007 19:33
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071207-15AB
Misc Info :
Comment :
Method : /chem/ecd5a.i/122807.b/ECD5-B-8081-121907.B.m
Meth Date : 28-Dec-2007 22:47 hea01125 Quant Type: ESTD
Cal Date : 20-DEC-2007 03:58 Cal File: 026b2601.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDAB.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
5 alpha-BHC					CAS #: 319-84-6			
2.657	2.657	0.000	19700169	10.0000	9.21	80.00- 120.00	100.00	

7 gamma-BHC (Lindane)					CAS #: 58-89-9			
2.954	2.953	0.001	18384819	10.0000	9.39	80.00- 120.00	100.00 (M)	

12 beta-BHC					CAS #: 319-85-7			
3.038	3.037	0.001	8827203	10.0000	10.3	80.00- 120.00	100.00 (M)	

10 Heptachlor					CAS #: 76-44-8			
3.279	3.278	0.001	19553868	10.0000	9.98	80.00- 120.00	100.00 (M)	

13 delta-BHC					CAS #: 319-86-8			
3.252	3.252	0.000	18670913	10.0000	9.57	80.00- 120.00	100.00 (M)	

11 Aldrin					CAS #: 309-00-2			
3.502	3.502	0.000	17294391	10.0000	9.47	80.00- 120.00	100.00 (M)	

14 Heptachlor epoxide					CAS #: 1024-57-3			
3.892	3.892	0.000	16804064	10.0000	10.0	80.00- 120.00	100.00 (M)	

17 gamma-Chlordane					CAS #: 5103-74-2			
4.014	4.015	-0.001	16627285	10.0000	9.76	80.00- 120.00	100.00 (M)	

18 alpha-Chlordane					CAS #: 5103-71-9			
4.107	4.107	0.000	16052848	10.0000	9.73	80.00- 120.00	100.00 (M)	

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
16 Endosulfan I						
4.138	4.138	0.000	15513487 10.0000	CAS #: 959-98-8 9.99	80.00- 120.00	100.00 (M)
19 4,4'-DDE						
4.225	4.225	0.000	32501052 20.0000	CAS #: 72-55-9 19.6	80.00- 120.00	100.00 (M)
20 Dieldrin						
4.309	4.309	0.000	34310349 20.0000	CAS #: 60-57-1 20.2	80.00- 120.00	100.00 (M)
22 Endrin						
4.492	4.492	0.000	31441905 20.0000	CAS #: 72-20-8 20.5	80.00- 120.00	100.00 (M)
25 4,4'-DDD						
4.577	4.577	0.000	27765438 20.0000	CAS #: 72-54-8 19.7	80.00- 120.00	100.00 (M)
24 Endosulfan II						
4.624	4.624	0.000	29949864 20.0000	CAS #: 33213-65-9 20.8	80.00- 120.00	100.00 (M)
27 Endrin aldehyde						
4.827	4.828	-0.001	21981040 20.0000	CAS #: 7421-93-4 20.2	80.00- 120.00	100.00 (M)
26 4,4'-DDT						
4.761	4.762	-0.001	24471256 20.0000	CAS #: 50-29-3 18.9	80.00- 120.00	100.00 (M)
29 Endosulfan sulfate						
4.994	4.994	0.000	27361189 20.0000	CAS #: 1031-07-8 20.4	80.00- 120.00	100.00 (M)
28 Methoxychlor						
5.170	5.169	0.001	61125851 100.000	CAS #: 72-43-5 107	80.00- 120.00	100.00 (M)
31 Endrin ketone						
5.302	5.303	-0.001	31092658 20.0000	CAS #: 53494-70-5 20.6	80.00- 120.00	100.00 (M)
\$ 1 4cmx						
2.056	2.055	0.001	34599081 20.0000	CAS #: 877-09-8 20.3	80.00- 120.00	100.00
\$ 32 Decachlorobiphenyl						
6.024	6.025	-0.001	31465745 20.0000	CAS #: 2051-24-3 20.6	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecd5a.i/122807.b/007b0701.d

Date : 28-DEC-2007 19:33

Client ID: IND0802

Sample Info: IMPE071207-15AB

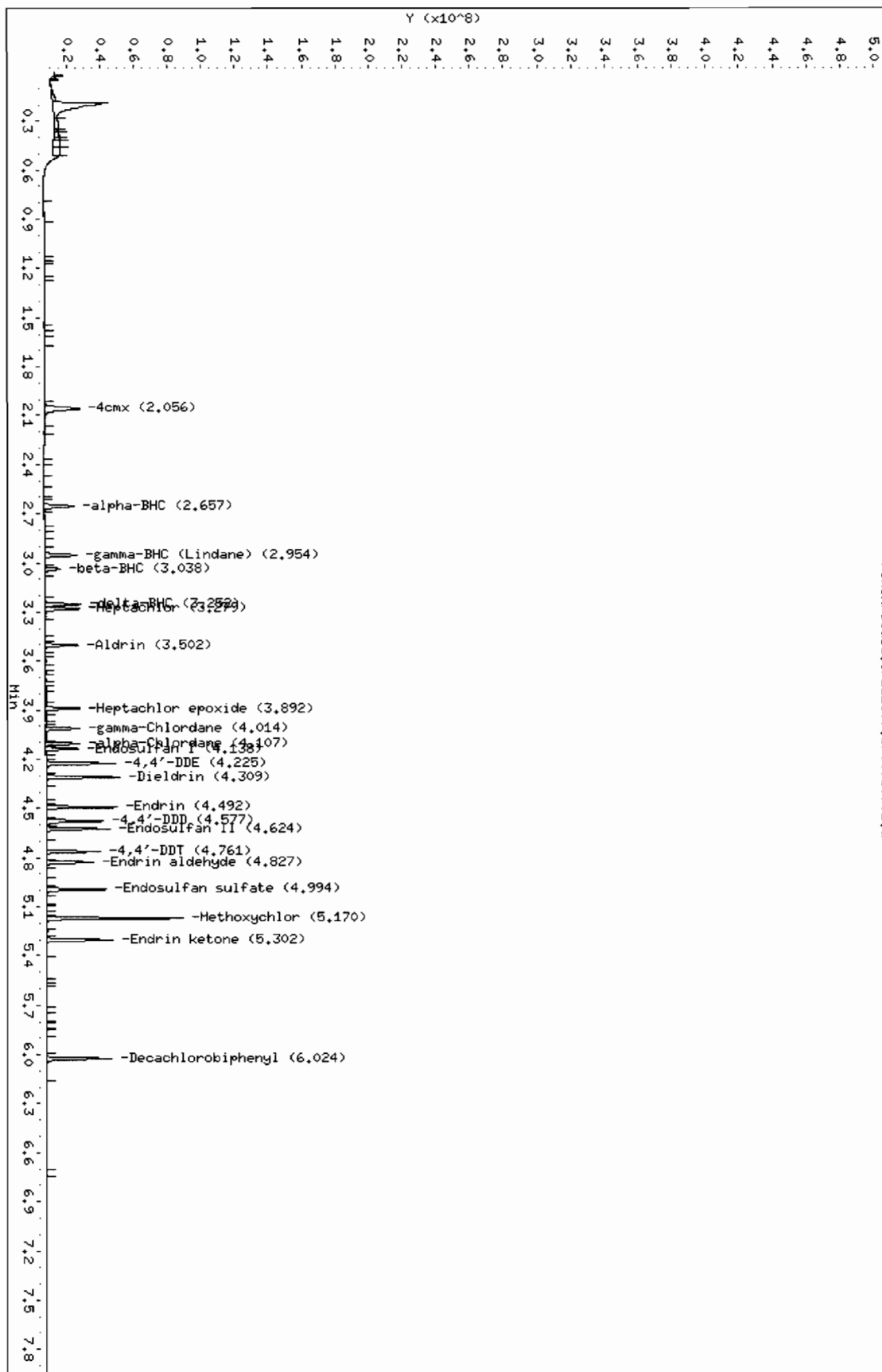
Column phase: CLP-2

Instrument: ecd5a.i

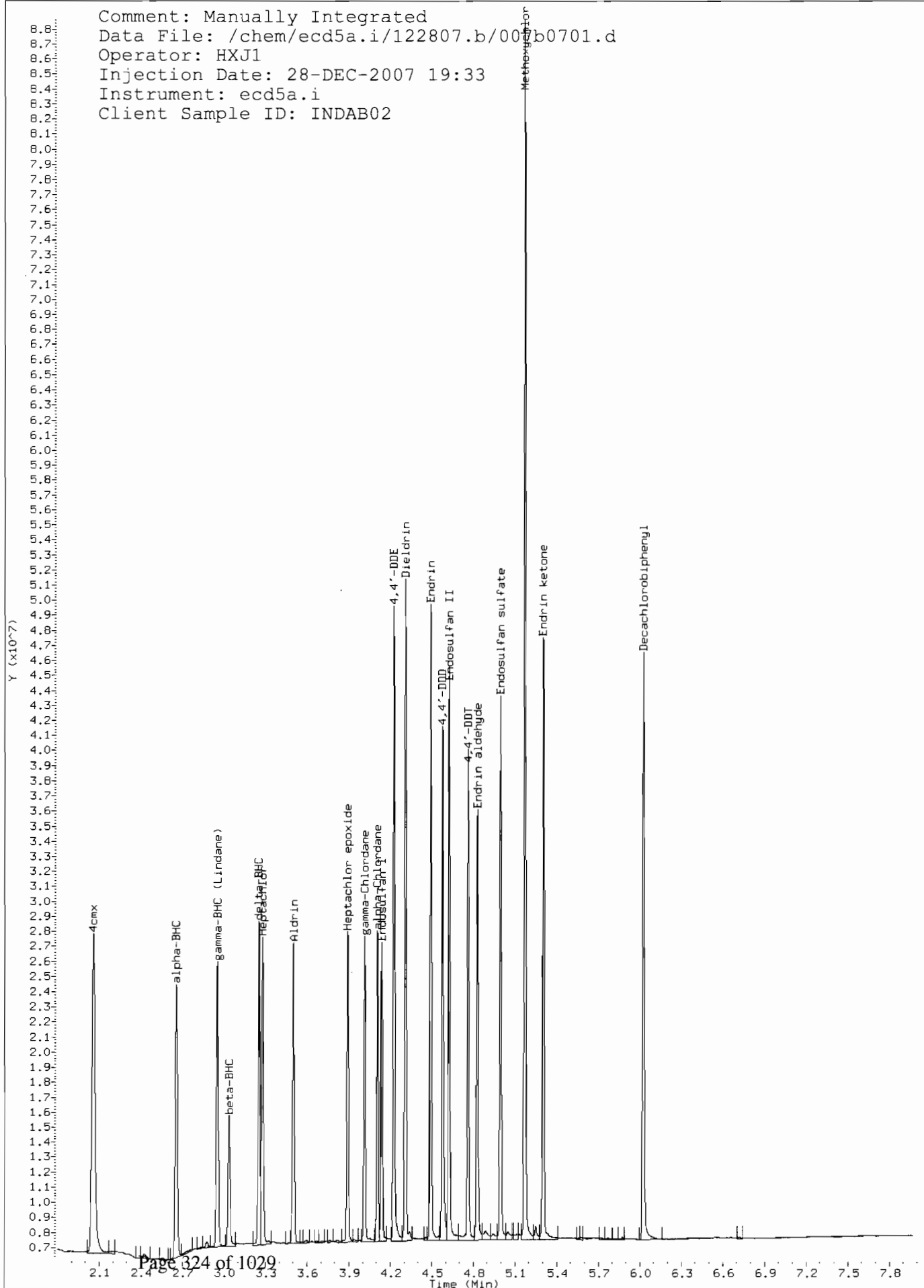
Operator: HXJ1

Column diameter: 0.25

/chem/ecd5a.i/122807.b/007b0701.d

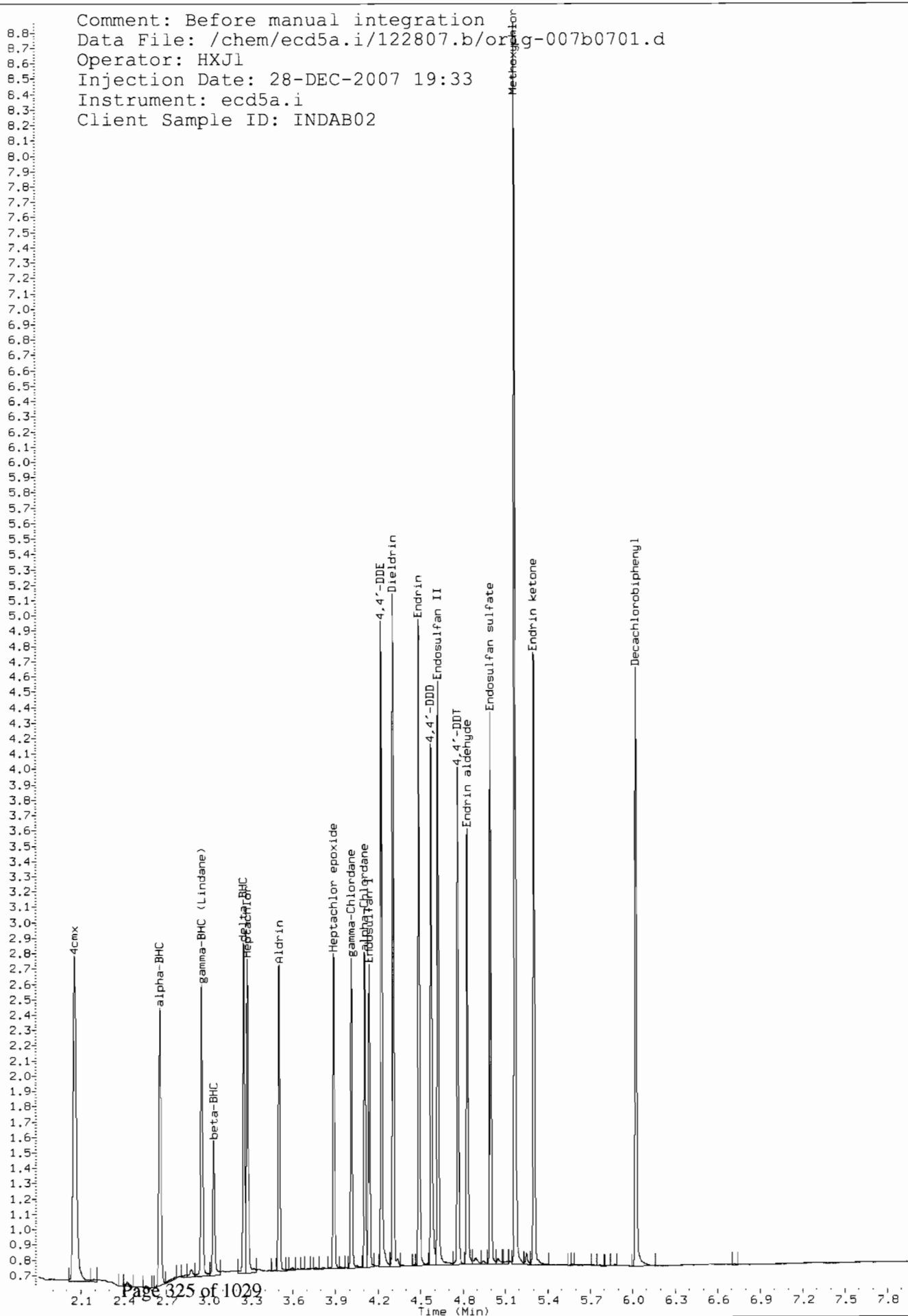


Comment: Manually Integrated
Data File: /chem/ecd5a.i/122807.b/00b0701.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:33
Instrument: ecd5a.i
Client Sample ID: INDAB02



Comment: Before manual integration
Data File: /chem/ecd5a.i/122807.b/orion-g-007b0701.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:33
Instrument: ecd5a.i
Client Sample ID: INDAB02

Y (x10⁷)



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/122807.b/008f0801.d
Lab Smp Id: WPE071207-16AB Client Smp ID: INDAB03
Inj Date : 28-DEC-2007 19:45
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071207-16AB
Misc Info :
Comment :
Method : /chem/ecd5a.i/122807.b/ECD5-F-8081-121907.B.m
Meth Date : 28-Dec-2007 22:58 hea01125 Quant Type: ESTD
Cal Date : 20-DEC-2007 04:10 Cal File: 027f2701.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDAB.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
5 alpha-BHC					CAS #: 319-84-6		
2.750	2.752	-0.002	18022290	50.0000	50.9	80.00- 120.00	100.00

7 gamma-BHC (Lindane)					CAS #: 58-89-9		
3.020	3.020	0.000	16156878	50.0000	49.4	80.00- 120.00	100.00

12 beta-BHC					CAS #: 319-85-7		
3.098	3.098	0.000	7159220	50.0000	48.5	80.00- 120.00	100.00

10 Heptachlor					CAS #: 76-44-8		
3.390	3.390	0.000	17001866	50.0000	49.9	80.00- 120.00	100.00

13 delta-BHC					CAS #: 319-86-8		
3.232	3.232	0.000	16458490	50.0000	50.5	80.00- 120.00	100.00

11 Aldrin					CAS #: 309-00-2		
3.604	3.604	0.000	16560510	50.0000	50.7	80.00- 120.00	100.00

14 Heptachlor epoxide					CAS #: 1024-57-3		
4.014	4.013	0.001	15180747	50.0000	49.9	80.00- 120.00	100.00

17 gamma-Chlordane					CAS #: 5103-74-2		
4.097	4.097	0.000	15147149	50.0000	49.8	80.00- 120.00	100.00

18 alpha-Chlordane					CAS #: 5103-71-9		
4.183	4.183	0.000	14977340	50.0000	49.7	80.00- 120.00	100.00

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	RESPONSE (ug/L)	(ug/L)	=====	=====	=====
16 Endosulfan I				CAS #: 959-98-8			
4.262	4.262	0.000	15561321 50.0000	53.9	80.00- 120.00	100.00 (M)	

19 4,4'-DDE				CAS #: 72-55-9			
4.246	4.246	0.000	29185985 100.000	91.3	80.00- 120.00	100.00 (M)	

20 Dieldrin				CAS #: 60-57-1			
4.414	4.414	0.000	31063822 100.000	102	80.00- 120.00	100.00	

22 Endrin				CAS #: 72-20-8			
4.555	4.555	0.000	28707523 100.000	101	80.00- 120.00	100.00	

25 4,4'-DDD				CAS #: 72-54-8			
4.610	4.610	0.000	25355164 100.000	101	80.00- 120.00	100.00	

24 Endosulfan II				CAS #: 33213-65-9			
4.690	4.690	0.000	25774598 100.000	99.5	80.00- 120.00	100.00	

27 Endrin aldehyde				CAS #: 7421-93-4			
4.939	4.939	0.000	19047870 100.000	96.0	80.00- 120.00	100.00	

26 4,4'-DDT				CAS #: 50-29-3			
4.780	4.780	0.000	24337306 100.000	100	80.00- 120.00	100.00	

29 Endosulfan sulfate				CAS #: 1031-07-8			
5.194	5.194	0.000	23188176 100.000	97.0	80.00- 120.00	100.00	

28 Methoxychlor				CAS #: 72-43-5			
5.072	5.073	-0.001	58694529 500.000	489	80.00- 120.00	100.00	

31 Endrin ketone				CAS #: 53494-70-5			
5.361	5.361	0.000	26603169 100.000	96.0	80.00- 120.00	100.00	

\$ 1 4cmx				CAS #: 877-09-8			
2.220	2.220	0.000	29149372 100.000	103	80.00- 120.00	100.00	

\$ 32 Decachlorobiphenyl				CAS #: 2051-24-3			
5.965	5.965	0.000	20056700 100.000	104	80.00- 120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecd5a.i/122807.b/008f0801.d

Date: 28-DEC-2007 19:45

Client ID: INDAB03

Sample Info: IMPE071207-16AB

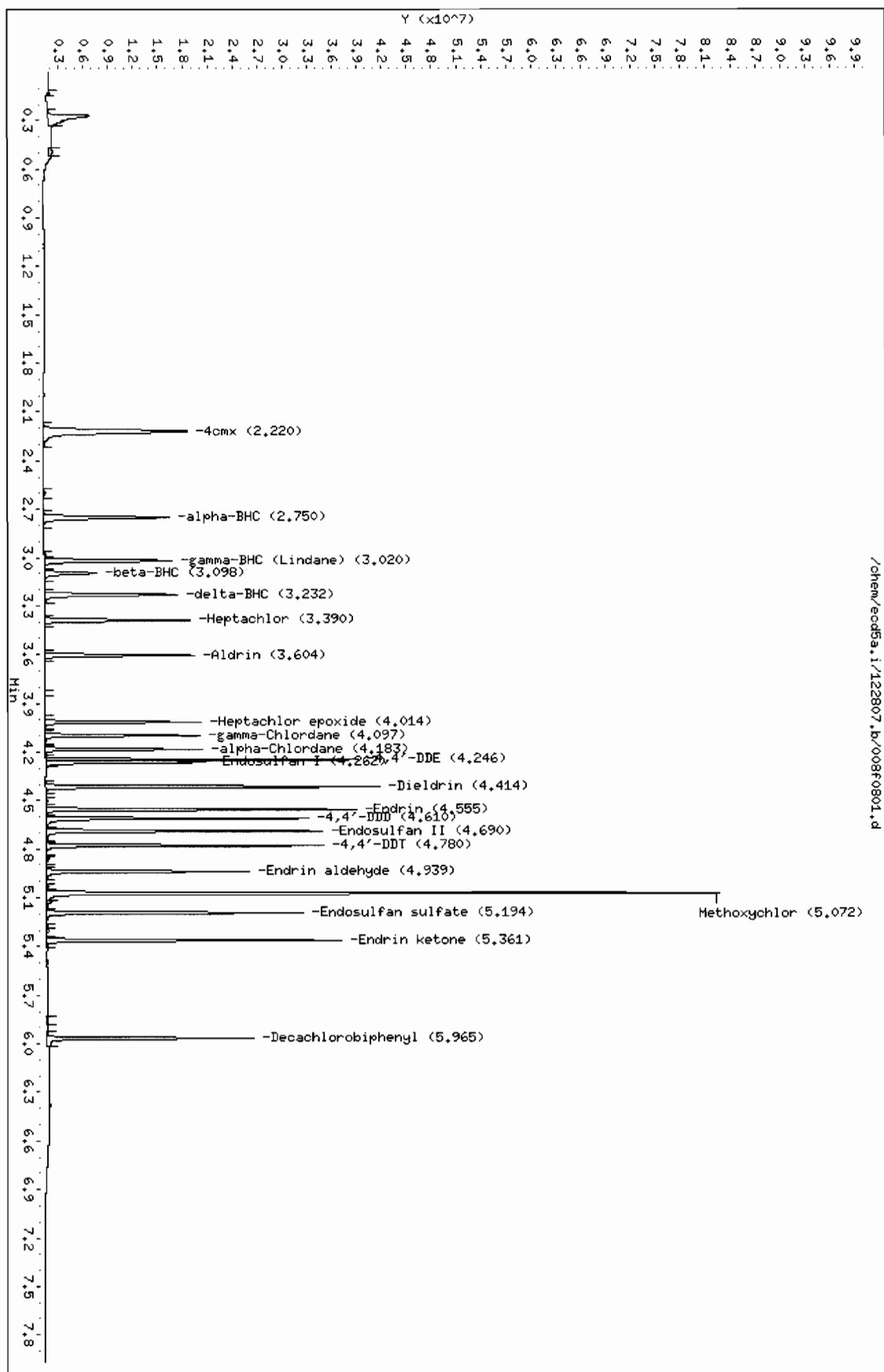
Page 1

Column phase: CLP-1

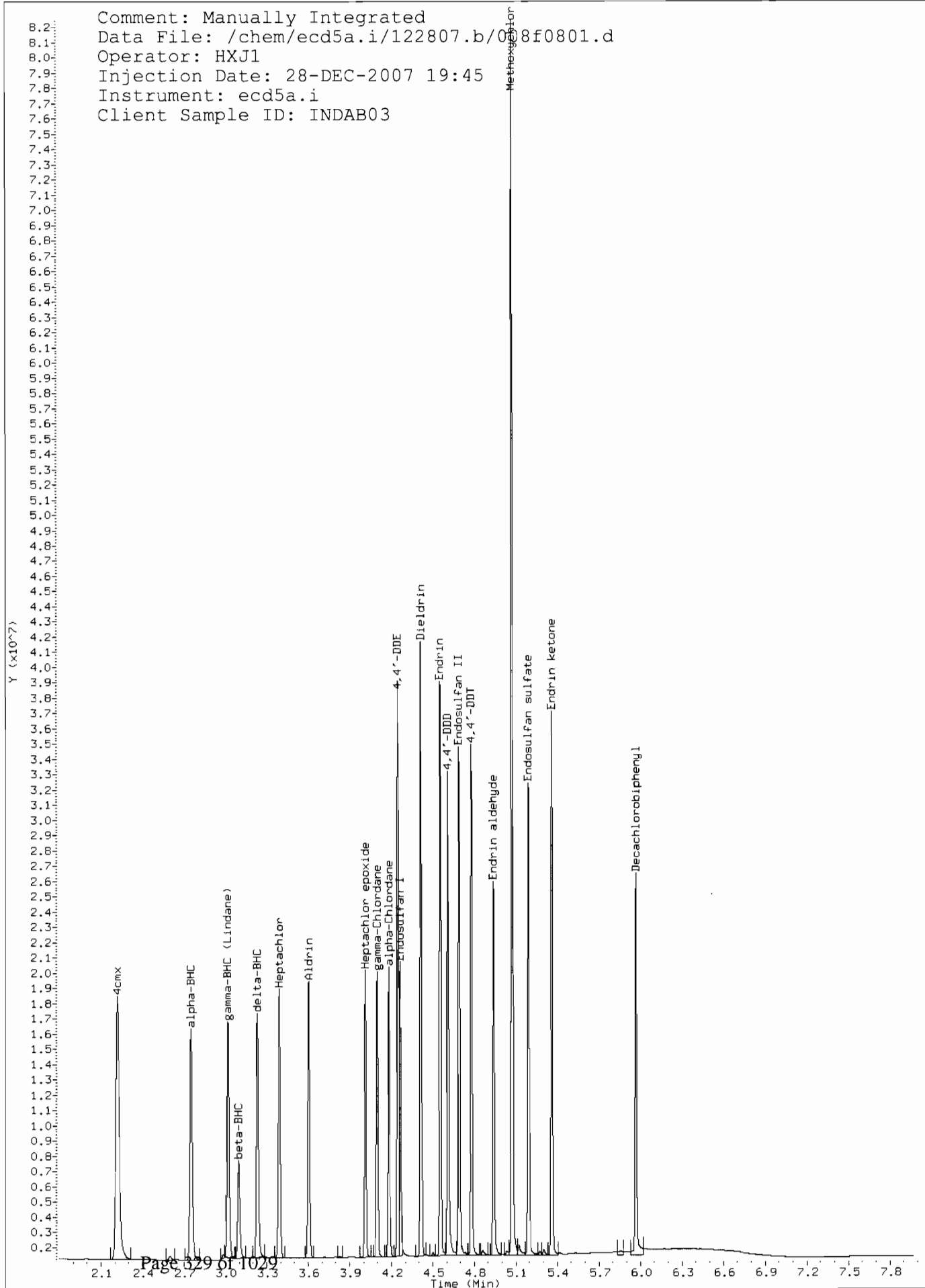
Instrument: ecd5a.i

Operator: HXJL

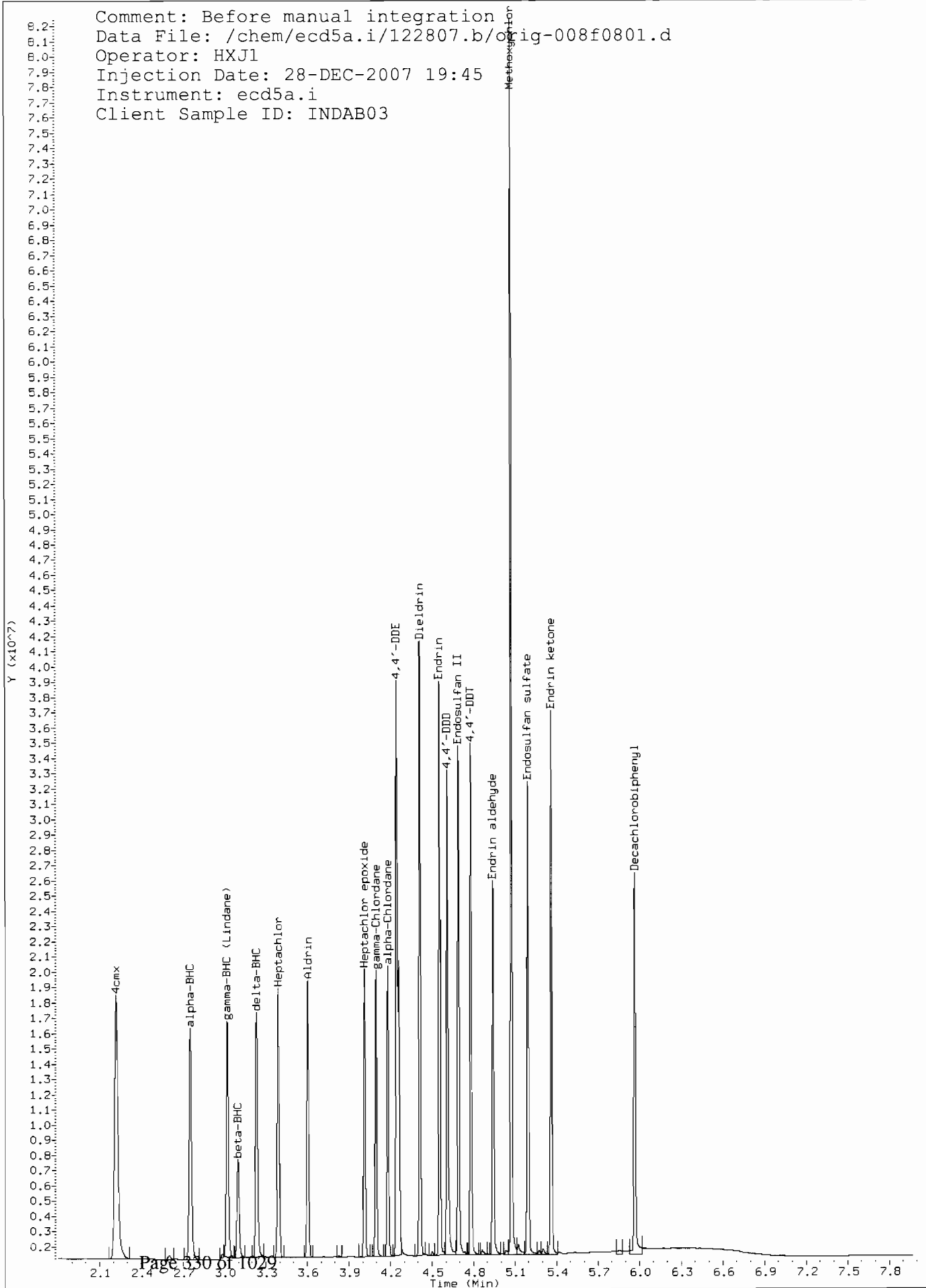
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd5a.i/122807.b/008f0801.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:45
Instrument: ecd5a.i
Client Sample ID: INDAB03



Comment: Before manual integration
Data File: /chem/ecd5a.i/122807.b/orig-008f0801.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:45
Instrument: ecd5a.i
Client Sample ID: INDAB03



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/122807.b/008b0801.d
Lab Smp Id: WPE071207-16AB Client Smp ID: INDAB03
Inj Date : 28-DEC-2007 19:45
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071207-16AB
Misc Info :
Comment :
Method : /chem/ecd5a.i/122807.b/ECD5-B-8081-121907.B.m
Meth Date : 28-Dec-2007 22:47 hea01125 Quant Type: ESTD
Cal Date : 20-DEC-2007 04:10 Cal File: 027b2701.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDAB.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----	-----
5 alpha-BHC					CAS #: 319-84-6		
2.656	2.657	-0.001	107825431	50.0000	51.6	80.00- 120.00	100.00

7 gamma-BHC (Lindane)					CAS #: 58-89-9		
2.952	2.953	-0.001	97788522	50.0000	50.3	80.00- 120.00	100.00

12 beta-BHC					CAS #: 319-85-7		
3.037	3.037	0.000	41862542	50.0000	46.6	80.00- 120.00	100.00

10 Heptachlor					CAS #: 76-44-8		
3.278	3.278	0.000	96825956	50.0000	50.5	80.00- 120.00	100.00

13 delta-BHC					CAS #: 319-86-8		
3.251	3.252	-0.001	97256793	50.0000	51.2	80.00- 120.00	100.00

11 Aldrin					CAS #: 309-00-2		
3.501	3.502	-0.001	91466185	50.0000	51.5	80.00- 120.00	100.00

14 Heptachlor epoxide					CAS #: 1024-57-3		
3.891	3.892	-0.001	82463602	50.0000	51.4	80.00- 120.00	100.00

17 gamma-Chlordane					CAS #: 5103-74-2		
4.015	4.015	0.000	83347559	50.0000	51.3	80.00- 120.00	100.00

18 alpha-Chlordane					CAS #: 5103-71-9		
4.106	4.107	-0.001	81899451	50.0000	51.6	80.00- 120.00	100.00

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
16 Endosulfan I						
4.138	4.138	0.000	76951318 50.0000	CAS #: 959-98-8 51.9	80.00- 120.00	100.00

19 4,4'-DDE						
4.225	4.225	0.000	168653599 100.000	CAS #: 72-55-9 106	80.00- 120.00	100.00

20 Dieldrin						
4.309	4.309	0.000	171721954 100.000	CAS #: 60-57-1 106	80.00- 120.00	100.00

22 Endrin						
4.492	4.492	0.000	155598837 100.000	CAS #: 72-20-8 107	80.00- 120.00	100.00

25 4,4'-DDD						
4.577	4.577	0.000	142498284 100.000	CAS #: 72-54-8 105	80.00- 120.00	100.00

24 Endosulfan II						
4.624	4.624	0.000	146232530 100.000	CAS #: 33213-65-9 106	80.00- 120.00	100.00

27 Endrin aldehyde						
4.827	4.828	-0.001	106471258 100.000	CAS #: 7421-93-4 104	80.00- 120.00	100.00

26 4,4'-DDT						
4.761	4.762	-0.001	130534570 100.000	CAS #: 50-29-3 109	80.00- 120.00	100.00

29 Endosulfan sulfate						
4.993	4.994	-0.001	133181175 100.000	CAS #: 1031-07-8 105	80.00- 120.00	100.00

28 Methoxychlor						
5.170	5.169	0.001	281180157 500.000	CAS #: 72-43-5 516	80.00- 120.00	100.00

31 Endrin ketone						
5.302	5.303	-0.001	145359945 100.000	CAS #: 53494-70-5 101	80.00- 120.00	100.00

\$ 1 4cmx						
2.055	2.055	0.000	173107486 100.000	CAS #: 877-09-8 101	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl						
6.024	6.025	-0.001	153107037 100.000	CAS #: 2051-24-3 104	80.00- 120.00	100.00

Data File: /chem/ecdf5a.i/122807.b/008b0801.d

Date : 28-DEC-2007 19:45

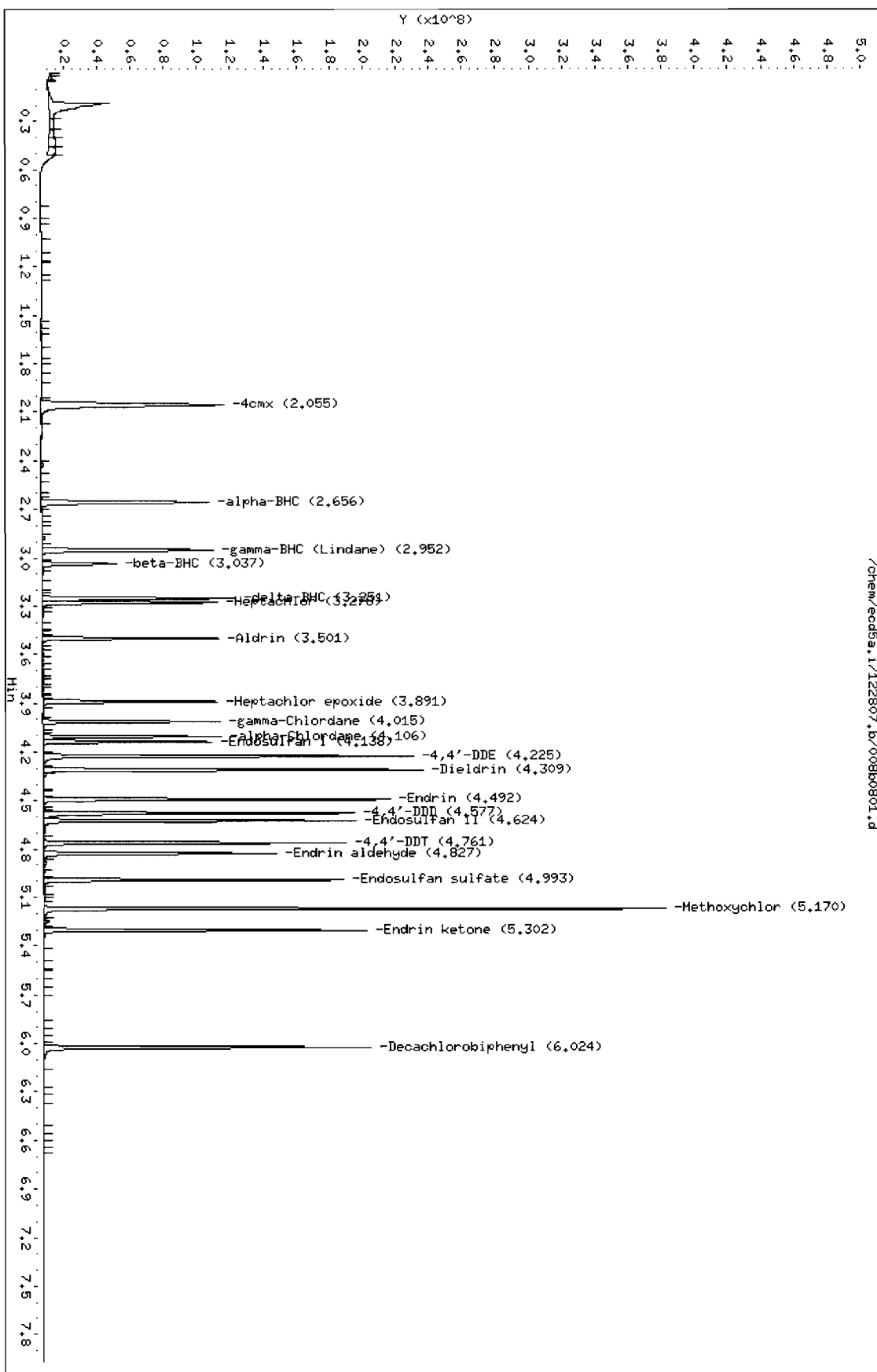
Client ID: INDAB03

Sample Info: IMPE071207-16AB

Page 1

Column phase: CLP-2

Instrument: ecdf5a.i
Operator: HXJL
Column diameter: 0.25



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/122807.b/009f0901.d
Lab Smp Id: WPE071207-17AB Client Smp ID: INDAB04
Inj Date : 28-DEC-2007 19:57
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071207-17AB
Misc Info :
Comment :
Method : /chem/ecd5a.i/122807.b/ECD5-F-8081-121907.B.m
Meth Date : 28-Dec-2007 22:58 hea01125 Quant Type: ESTD
Cal Date : 20-JUL-2007 09:59 Cal File: 006f0601.d
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDAB.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
5 alpha-BHC							
2.752	2.752	0.000	38144371	100.000	108	80.00- 120.00	100.00

7 gamma-BHC (Lindane)							
3.020	3.020	0.000	34586741	100.000	106	80.00- 120.00	100.00

12 beta-BHC							
3.097	3.098	-0.001	14574896	100.000	98.8	80.00- 120.00	100.00

10 Heptachlor							
3.390	3.390	0.000	35421580	100.000	104	80.00- 120.00	100.00

13 delta-BHC							
3.232	3.232	0.000	34850732	100.000	107	80.00- 120.00	100.00

11 Aldrin							
3.604	3.604	0.000	34085474	100.000	104	80.00- 120.00	100.00

14 Heptachlor epoxide							
4.013	4.013	0.000	30945300	100.000	102	80.00- 120.00	100.00

17 gamma-Chlordane							
4.097	4.097	0.000	31609387	100.000	104	80.00- 120.00	100.00

18 alpha-Chlordane							
4.182	4.183	-0.001	30023386	100.000	99.6	80.00- 120.00	100.00

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	RESPONSE (ug/L)	(ug/L)	=====	=====
16 Endosulfan I						
4.262	4.262	0.000	29697425 100.000	CAS #: 959-98-8 102	80.00- 120.00	100.00(M)

19 4,4'-DDE						
4.247	4.246	0.001	60522934 200.000	CAS #: 72-55-9 208	80.00- 120.00	100.00(M)

20 Dieldrin						
4.413	4.414	-0.001	62430605 200.000	CAS #: 60-57-1 204	80.00- 120.00	100.00

22 Endrin						
4.555	4.555	0.000	58151676 200.000	CAS #: 72-20-8 204	80.00- 120.00	100.00

25 4,4'-DDD						
4.611	4.610	0.001	51243335 200.000	CAS #: 72-54-8 204	80.00- 120.00	100.00

24 Endosulfan II						
4.690	4.690	0.000	51649366 200.000	CAS #: 33213-65-9 199	80.00- 120.00	100.00

27 Endrin aldehyde						
4.939	4.939	0.000	41505275 200.000	CAS #: 7421-93-4 209	80.00- 120.00	100.00

26 4,4'-DDT						
4.779	4.780	-0.001	52909169 200.000	CAS #: 50-29-3 218	80.00- 120.00	100.00

29 Endosulfan sulfate						
5.193	5.194	-0.001	47140655 200.000	CAS #: 1031-07-8 197	80.00- 120.00	100.00

28 Methoxychlor						
5.072	5.073	-0.001	117958166 1000.00	CAS #: 72-43-5 982	80.00- 120.00	100.00

31 Endrin ketone						
5.361	5.361	0.000	53680571 200.000	CAS #: 53494-70-5 194	80.00- 120.00	100.00

\$ 1 4cmx						
2.219	2.220	-0.001	52096407 200.000	CAS #: 877-09-8 185	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl						
5.965	5.965	0.000	34639000 200.000	CAS #: 2051-24-3 183	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecdf5a.i/122807.b/009f0901.d

Date: 28-DEC-2007 19:57

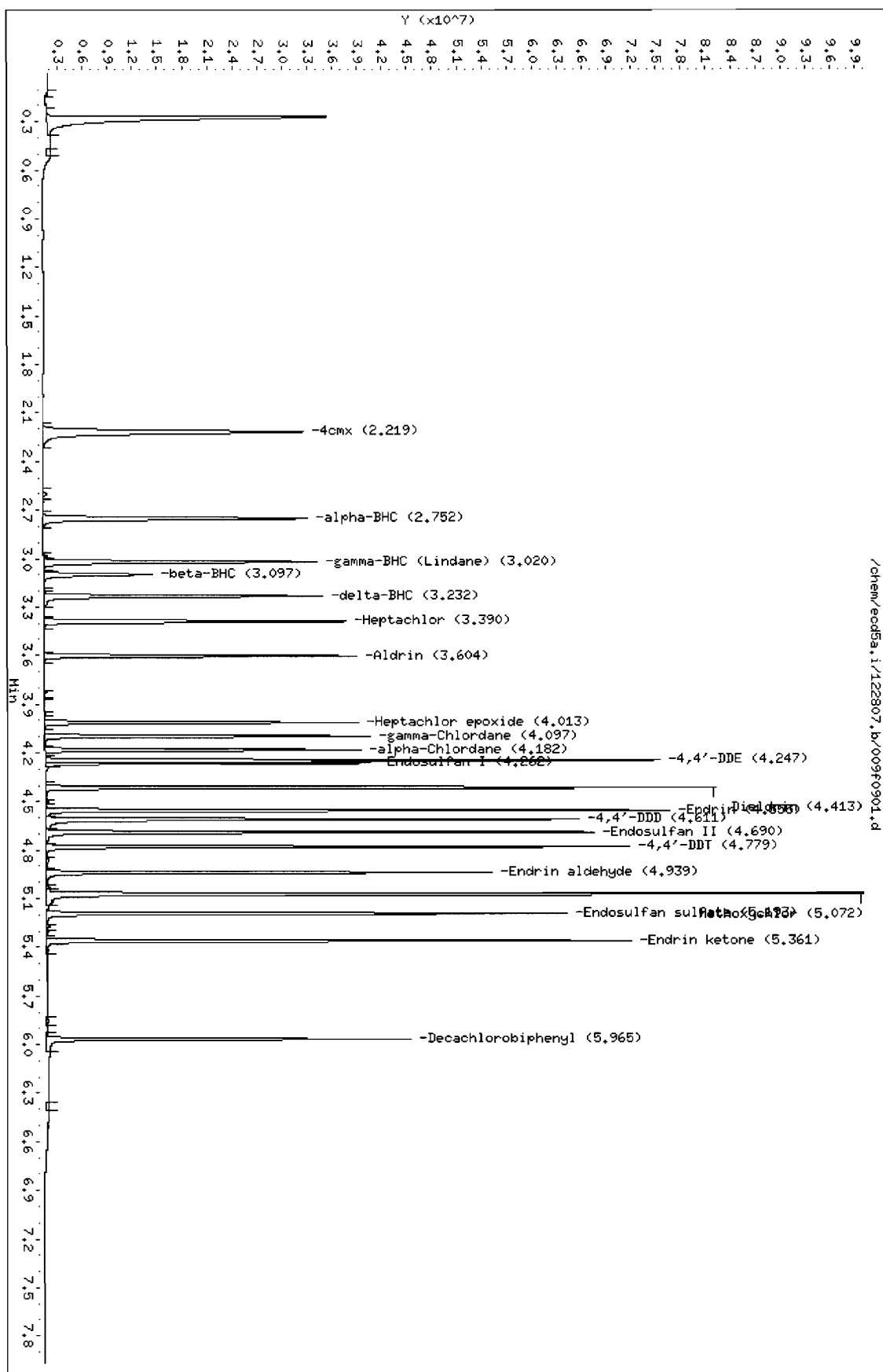
Client ID: INDA804

Sample Info: IMPE071207-17AB

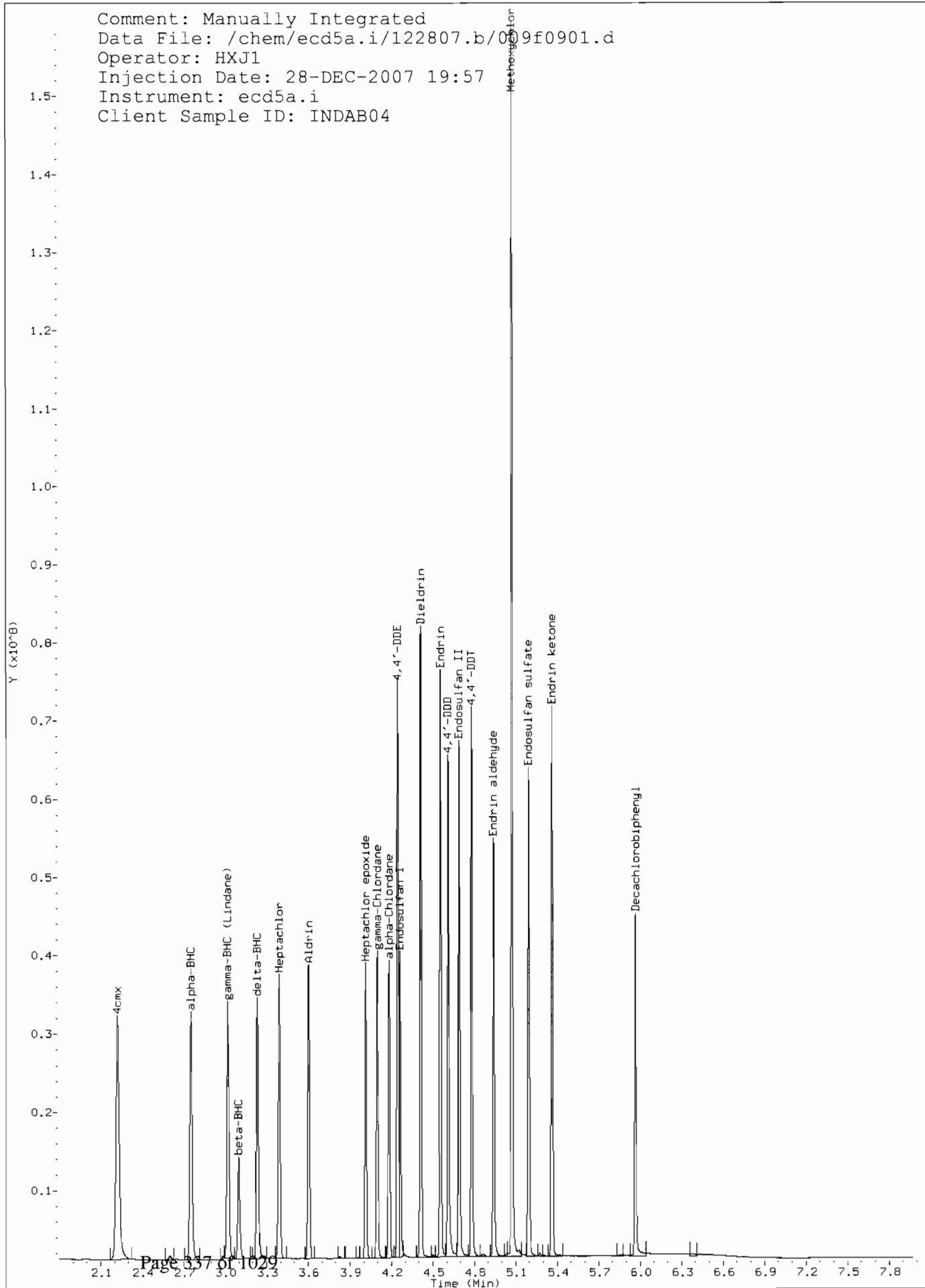
Page 1

Column phase: CLP-1

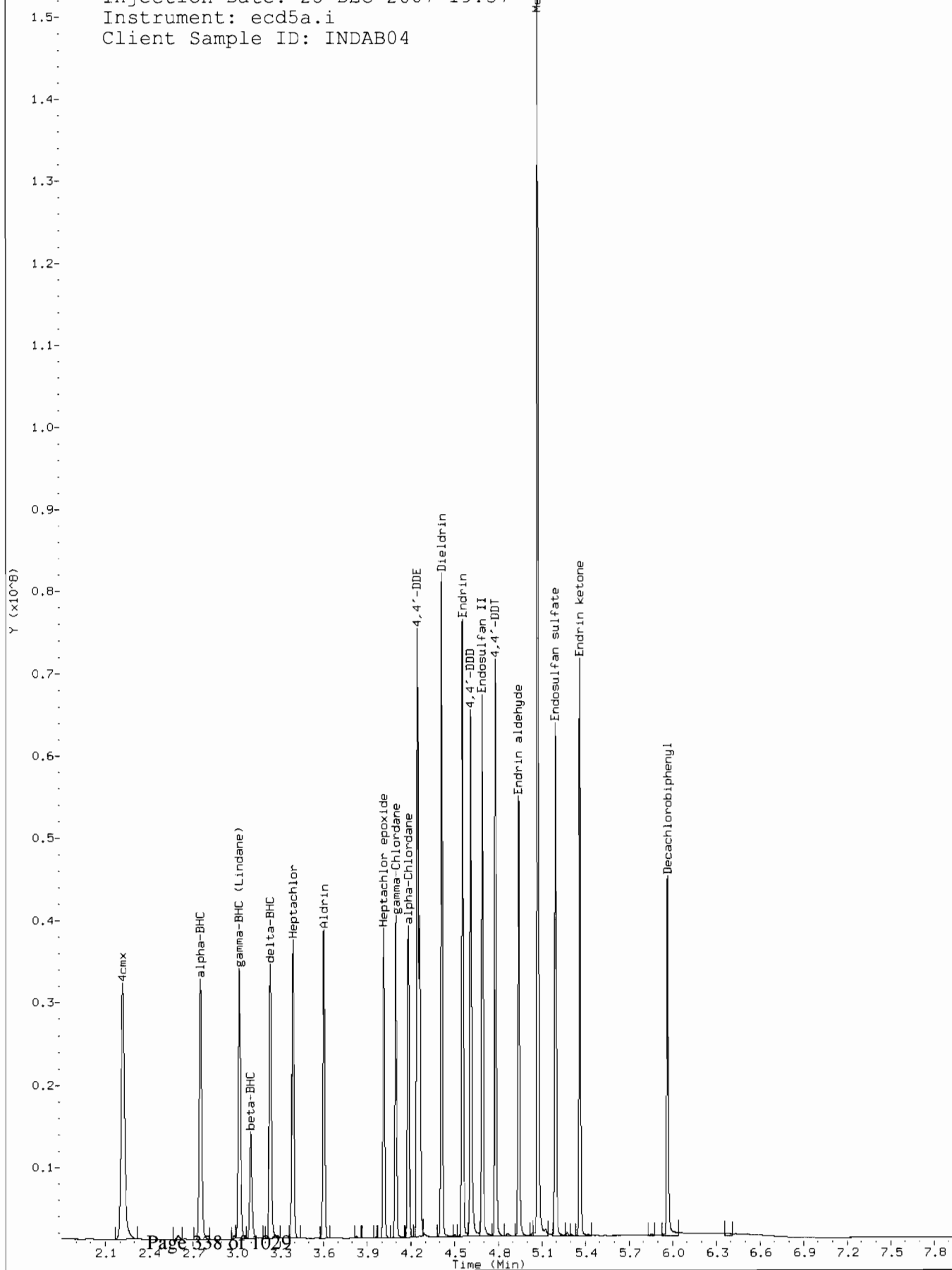
Operator: HXJ1
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd5a.i/122807.b/009f0901.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:57
Instrument: ecd5a.i
Client Sample ID: INDAB04



Comment: Before manual integration
Data File: /chem/ecd5a.i/122807.b/orig-009f0901.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:57
Instrument: ecd5a.i
Client Sample ID: INDAB04



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/122807.b/009b0901.d
 Lab Smp Id: WPE071207-17AB Client Smp ID: INDAB04
 Inj Date : 28-DEC-2007 19:57
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |WPE071207-17AB
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/122807.b/ECD5-B-8081-121907.B.m
 Meth Date : 28-Dec-2007 22:47 hea01125 Quant Type: ESTD
 Cal Date : 20-JUL-2007 09:59 Cal File: 006b0601.d
 Als bottle: 9 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: INDAB.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----
5 alpha-BHC						
2.657	2.657	0.000	231428664 100.000	108	80.00- 120.00	100.00

7 gamma-BHC (Lindane)						
2.952	2.953	-0.001	211974766 100.000	108	80.00- 120.00	100.00

12 beta-BHC						
3.037	3.037	0.000	85780535 100.000	100	80.00- 120.00	100.00

10 Heptachlor						
3.277	3.278	-0.001	203072076 100.000	104	80.00- 120.00	100.00

13 delta-BHC						
3.252	3.252	0.000	207494587 100.000	106	80.00- 120.00	100.00

11 Aldrin						
3.502	3.502	0.000	191279261 100.000	105	80.00- 120.00	100.00

14 Heptachlor epoxide						
3.892	3.892	0.000	168872499 100.000	101	80.00- 120.00	100.00

17 gamma-Chlordane						
4.014	4.015	-0.001	177102557 100.000	104	80.00- 120.00	100.00(M)

18 alpha-Chlordane						
4.107	4.107	0.000	166807149 100.000	101	80.00- 120.00	100.00

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	RESPONSE (ug/L)	(ug/L)	=====	=====
16 Endosulfan I						
4.137	4.138	-0.001	159191611	100.000	CAS #: 959-98-8 102 80.00- 120.00	100.00 (M)

19 4,4'-DDE						
4.225	4.225	0.000	342846817	200.000	CAS #: 72-55-9 206 80.00- 120.00	100.00 (M)

20 Dieldrin						
4.309	4.309	0.000	343092551	200.000	CAS #: 60-57-1 202 80.00- 120.00	100.00

22 Endrin						
4.492	4.492	0.000	312475434	200.000	CAS #: 72-20-8 204 80.00- 120.00	100.00

25 4,4'-DDD						
4.577	4.577	0.000	287509172	200.000	CAS #: 72-54-8 203 80.00- 120.00	100.00 (M)

24 Endosulfan II						
4.623	4.624	-0.001	287306515	200.000	CAS #: 33213-65-9 198 80.00- 120.00	100.00 (M)

27 Endrin aldehyde						
4.827	4.828	-0.001	229560746	200.000	CAS #: 7421-93-4 211 80.00- 120.00	100.00 (M)

26 4,4'-DDT						
4.762	4.762	0.000	288048863	200.000	CAS #: 50-29-3 221 80.00- 120.00	100.00 (M)

29 Endosulfan sulfate						
4.992	4.994	-0.002	270462080	200.000	CAS #: 1031-07-8 202 80.00- 120.00	100.00 (M)

28 Methoxychlor						
5.167	5.169	-0.002	539478058	1000.00	CAS #: 72-43-5 945 80.00- 120.00	100.00

31 Endrin ketone						
5.302	5.303	-0.001	288717922	200.000	CAS #: 53494-70-5 191 80.00- 120.00	100.00

\$ 1 4cmx						
2.056	2.055	0.001	313982991	200.000	CAS #: 877-09-8 184 80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl						
6.024	6.025	-0.001	270457876	200.000	CAS #: 2051-24-3 177 80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

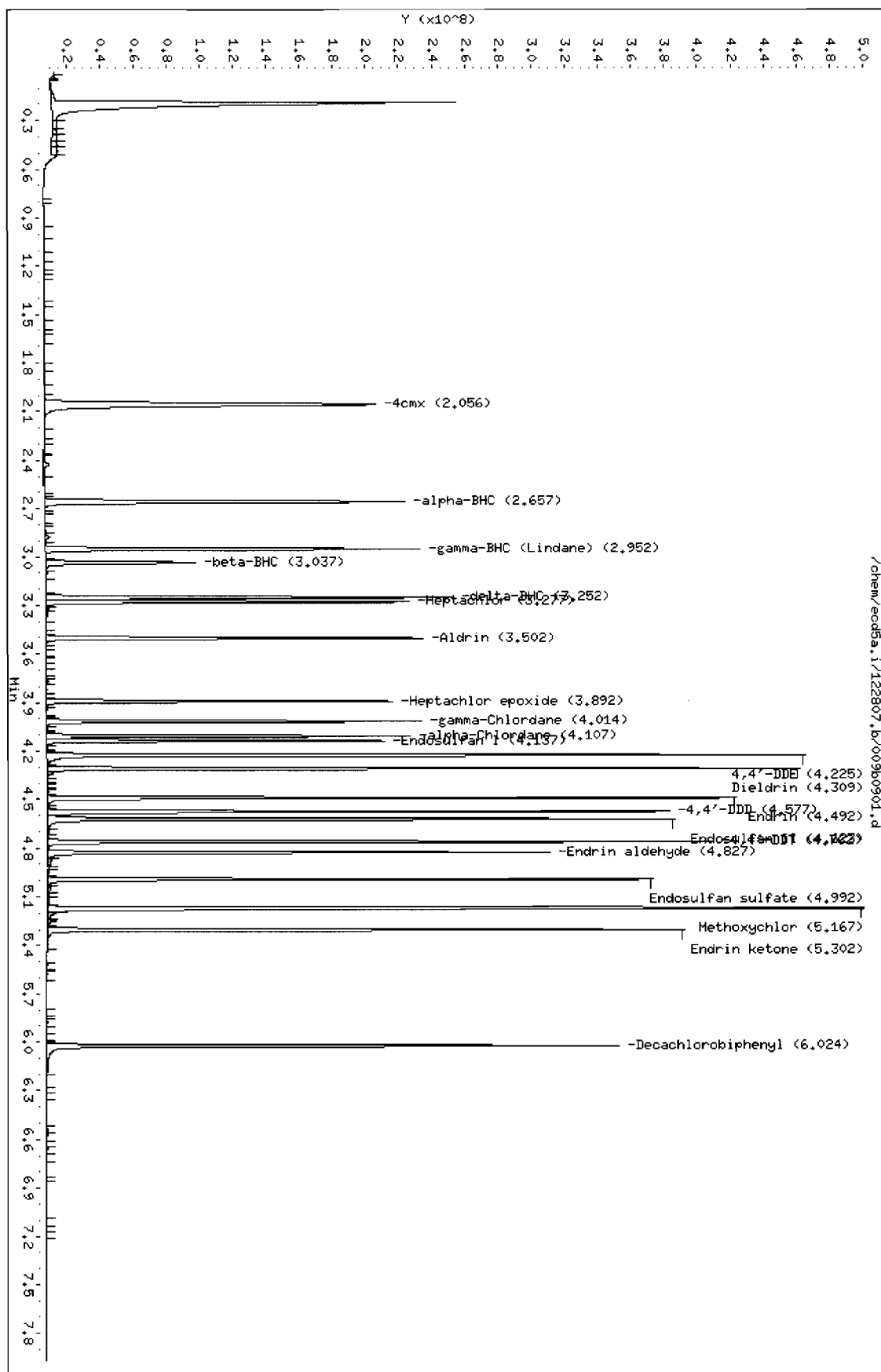
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Date: 28-DEC-2007 19:57
Client ID: INDB04
Sample Info: WPE071207-17AB

Instrument: ecd5a.i

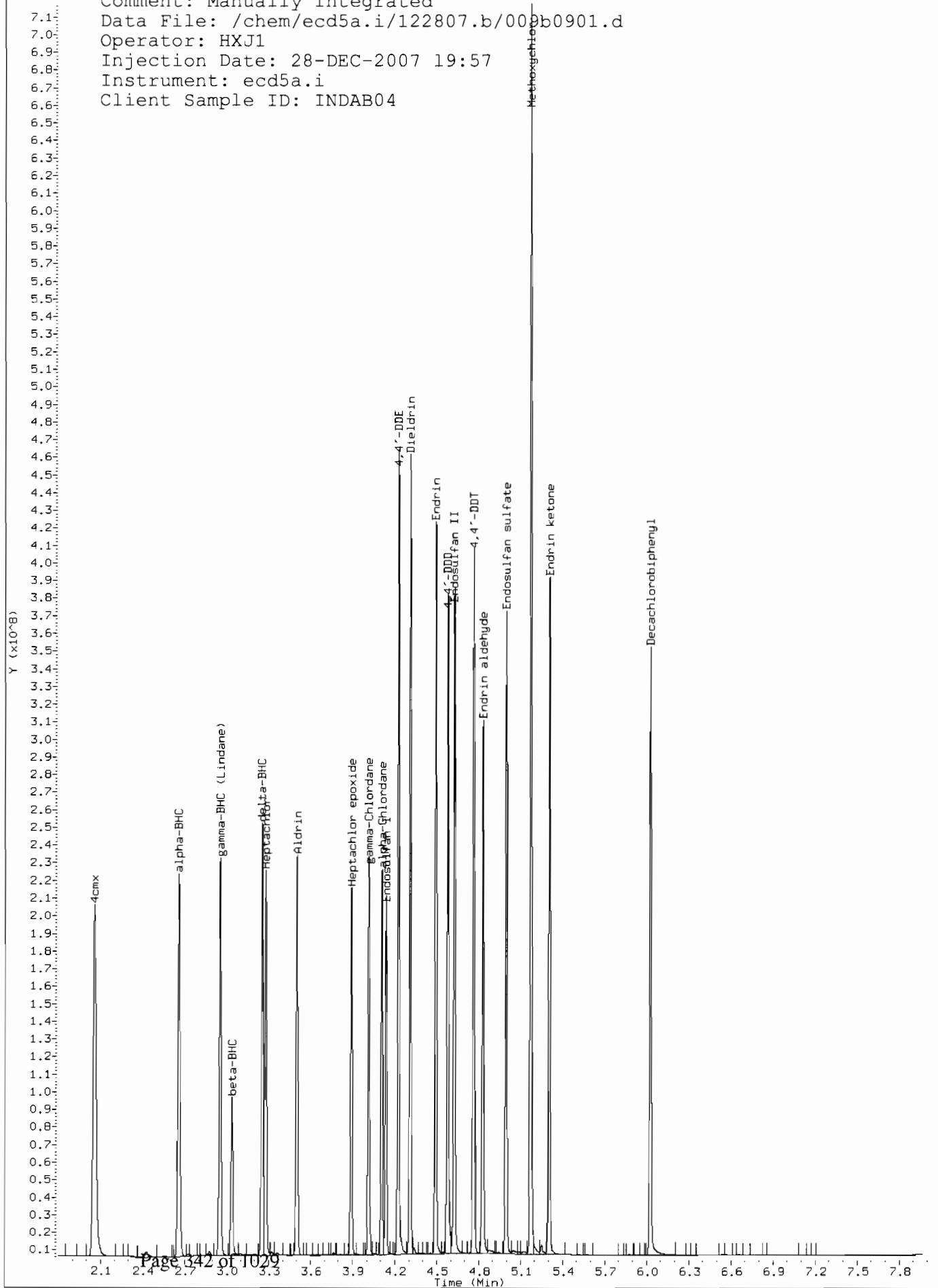
Page 1

Column phase: CLP-2

Operator: HXJ1
Column diameter: 0.25

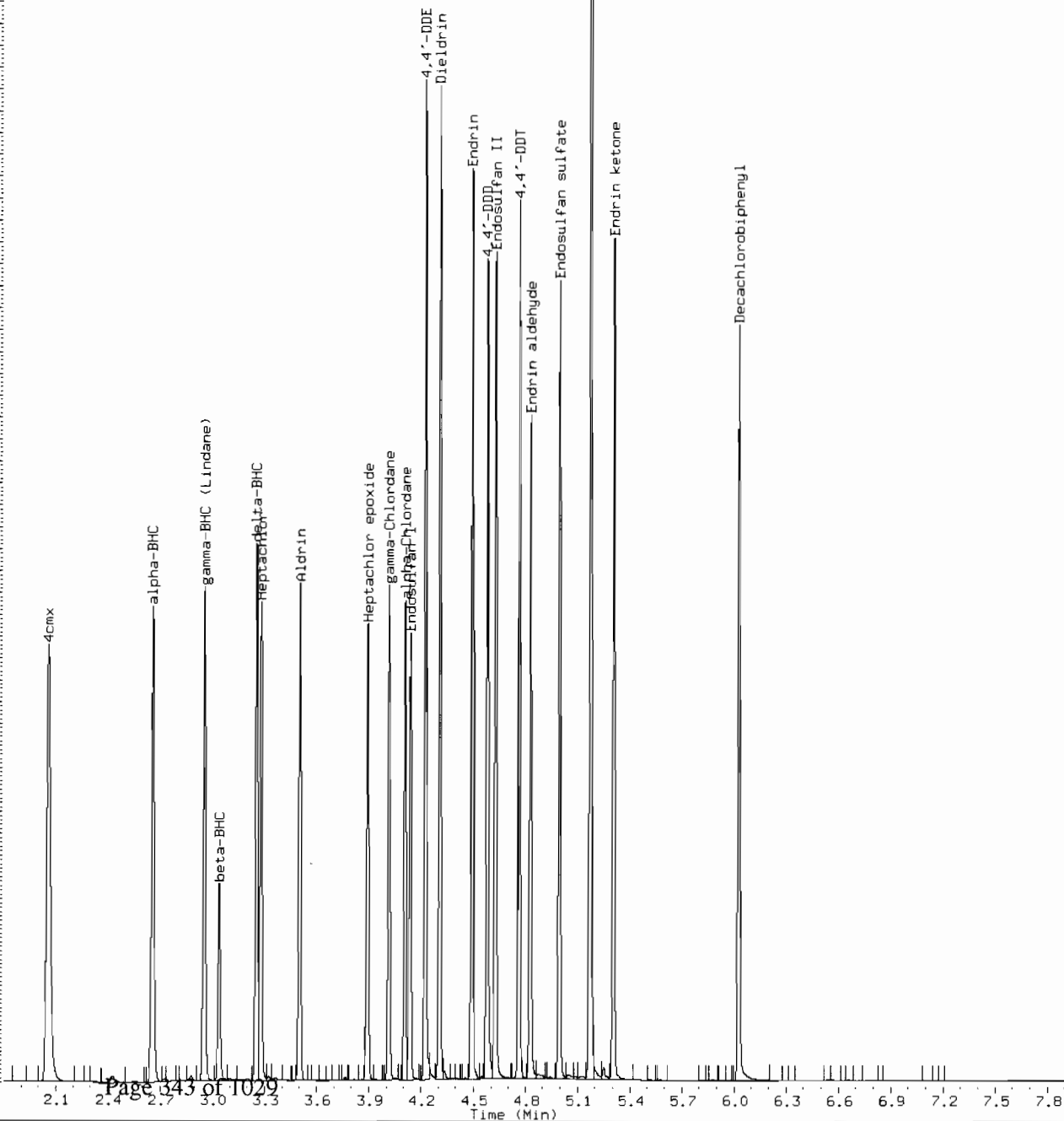


Comment: Manually Integrated
Data File: /chem/ecd5a.i/122807.b/000b0901.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:57
Instrument: ecd5a.i
Client Sample ID: INDAB04



Comment: Before manual integration
Data File: /chem/ecd5a.i/122807.b/or g-009b0901.d
Operator: HXJ1
Injection Date: 28-DEC-2007 19:57
Instrument: ecd5a.i
Client Sample ID: INDAB04

Y (x10⁶B)



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/122807.b/010f1001.d
Lab Smp Id: IPE071207-01AB Client Smp ID: INDAB05
Inj Date : 28-DEC-2007 20:08
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |IPE071207-01AB
Misc Info :
Comment :
Method : /chem/ecd5a.i/122807.b/ECD5-F-8081-121907.B.m
Meth Date : 28-Dec-2007 22:58 hea01125 Quant Type: ESTD
Cal Date : 20-DEC-2007 04:33 Cal File: 029f2901.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDAB.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS						
			CAL-AMT		ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)		TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----
5 alpha-BHC						
					CAS #: 319-84-6	
2.751	2.752	-0.001	76299026	200.000	216 80.00- 120.00	100.00(A)

7 gamma-BHC (Lindane)						
					CAS #: 58-89-9	
3.020	3.020	0.000	68384952	200.000	209 80.00- 120.00	100.00(A)

12 beta-BHC						
					CAS #: 319-85-7	
3.098	3.098	0.000	29120472	200.000	197 80.00- 120.00	100.00

10 Heptachlor						
					CAS #: 76-44-8	
3.390	3.390	0.000	69508917	200.000	204 80.00- 120.00	100.00(A)

13 delta-BHC						
					CAS #: 319-86-8	
3.232	3.232	0.000	69975507	200.000	215 80.00- 120.00	100.00(A)

11 Aldrin						
					CAS #: 309-00-2	
3.605	3.604	0.001	67603403	200.000	207 80.00- 120.00	100.00(A)

14 Heptachlor epoxide						
					CAS #: 1024-57-3	
4.014	4.013	0.001	60659534	200.000	199 80.00- 120.00	100.00

17 gamma-Chlordane						
					CAS #: 5103-74-2	
4.097	4.097	0.000	62080646	200.000	204 80.00- 120.00	100.00(A)

18 alpha-Chlordane						
					CAS #: 5103-71-9	
4.183	4.183	0.000	60501107	200.000	201 80.00- 120.00	100.00(A)

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
16 Endosulfan I						
4.262	4.262	0.000	58304768 200.000	CAS #: 959-98-8 200	80.00- 120.00	100.00

19 4,4'-DDE						
4.246	4.246	0.000	117259167 400.000	CAS #: 72-55-9 292	80.00- 120.00	100.00

20 Dieldrin						
4.414	4.414	0.000	122735268 400.000	CAS #: 60-57-1 402	80.00- 120.00	100.00 (A)

22 Endrin						
4.555	4.555	0.000	113904193 400.000	CAS #: 72-20-8 399	80.00- 120.00	100.00

25 4,4'-DDD						
4.611	4.610	0.001	102002923 400.000	CAS #: 72-54-8 406	80.00- 120.00	100.00 (A)

24 Endosulfan II						
4.690	4.690	0.000	102780642 400.000	CAS #: 33213-65-9 397	80.00- 120.00	100.00

27 Endrin aldehyde						
4.939	4.939	0.000	77067620 400.000	CAS #: 7421-93-4 388	80.00- 120.00	100.00

26 4,4'-DDT						
4.779	4.780	-0.001	102169261 400.000	CAS #: 50-29-3 420	80.00- 120.00	100.00 (A)

29 Endosulfan sulfate						
5.194	5.194	0.000	92217843 400.000	CAS #: 1031-07-8 386	80.00- 120.00	100.00

28 Methoxychlor						
5.073	5.073	0.000	234413005 2000.00	CAS #: 72-43-5 1950	80.00- 120.00	100.00

31 Endrin ketone						
5.361	5.361	0.000	109624980 400.000	CAS #: 53494-70-5 395	80.00- 120.00	100.00

\$ 1 4cmx						
2.219	2.220	-0.001	116762432 400.000	CAS #: 877-09-8 414	80.00- 120.00	100.00 (A)

\$ 32 Decachlorobiphenyl						
5.966	5.965	0.001	75900188 400.000	CAS #: 2051-24-3 406	80.00- 120.00	100.00 (A)

QC Flag Legend

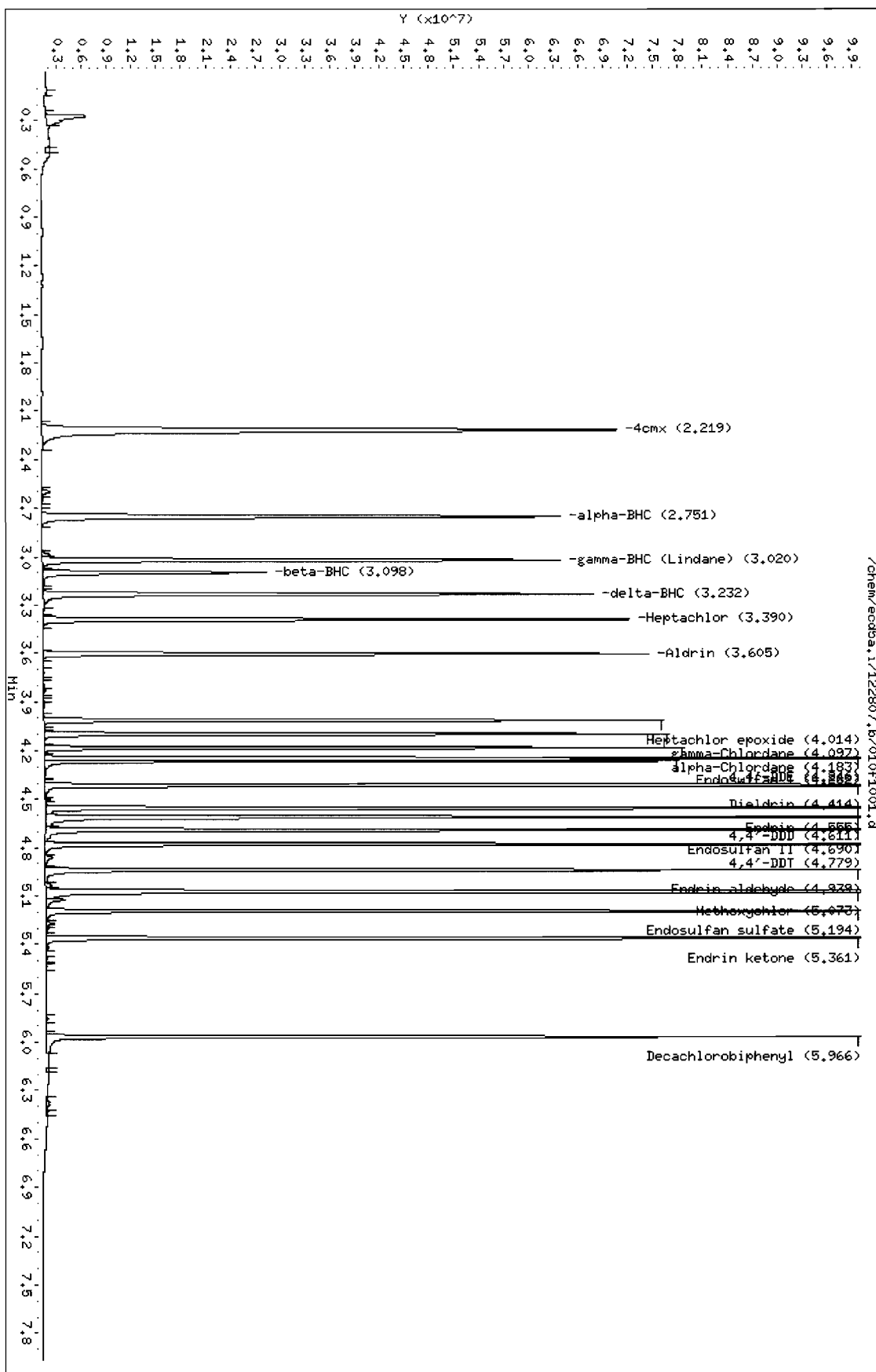
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/ecdf5a.i/122807.b/010f1001.d
Date: 28-DEC-2007 20:08
Client ID: INDAB05
Sample Info: 11PE071207-01AB

Column phase: CLP-1

Instrument: ecdf5a.i
Operator: HXJL
Column diameter: 0.25

Page 1



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/122807.b/010b1001.d
Lab Smp Id: IPE071207-01AB Client Smp ID: INDAB05
Inj Date : 28-DEC-2007 20:08
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : IPE071207-01AB
Misc Info :
Comment :
Method : /chem/ecd5a.i/122807.b/ECD5-B-8081-121907.B.m
Meth Date : 28-Dec-2007 22:47 hea01125 Quant Type: ESTD
Cal Date : 20-DEC-2007 04:33 Cal File: 029b2901.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDAB.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
		CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
--	-----	-----		-----	-----	-----	-----
5 alpha-BHC				CAS #: 319-84-6			
2.656	2.657	-0.001		465045799	200.000	217 80.00- 120.00	100.00 (A)

7 gamma-BHC (Lindane)				CAS #: 58-89-9			
2.953	2.953	0.000		415216447	200.000	210 80.00- 120.00	100.00 (A)

12 beta-BHC				CAS #: 319-85-7			
3.037	3.037	0.000		169965673	200.000	196 80.00- 120.00	100.00

10 Heptachlor				CAS #: 76-44-8			
3.278	3.278	0.000		391652575	200.000	200 80.00- 120.00	100.00

13 delta-BHC				CAS #: 319-86-8			
3.251	3.252	-0.001		413519139	200.000	212 80.00- 120.00	100.00 (A)

11 Aldrin				CAS #: 309-00-2			
3.502	3.502	0.000		379336369	200.000	208 80.00- 120.00	100.00 (A)

14 Heptachlor epoxide				CAS #: 1024-57-3			
3.892	3.892	0.000		325760720	200.000	196 80.00- 120.00	100.00

17 gamma-Chlordane				CAS #: 5103-74-2			
4.015	4.015	0.000		348529784	200.000	206 80.00- 120.00	100.00 (A)

18 alpha-Chlordane				CAS #: 5103-71-9			
4.107	4.107	0.000		340408019	200.000	207 80.00- 120.00	100.00 (A)

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
16	Endosulfan I			CAS #:	959-98-8		
4.138	4.138	0.000	304821471	200.000	197	80.00- 120.00	100.00
19	4,4'-DDE			CAS #:	72-55-9		
4.221	4.225	-0.004	679644190	400.000	412	80.00- 120.00	100.00(A)
20	Dieldrin			CAS #:	60-57-1		
4.308	4.309	-0.001	660068929	400.000	389	80.00- 120.00	100.00
22	Endrin			CAS #:	72-20-8		
4.492	4.492	0.000	584978562	400.000	383	80.00- 120.00	100.00
25	4,4'-DDD			CAS #:	72-54-8		
4.575	4.577	-0.002	567158494	400.000	402	80.00- 120.00	100.00(A)
24	Endosulfan II			CAS #:	33213-65-9		
4.624	4.624	0.000	543718765	400.000	376	80.00- 120.00	100.00
27	Endrin aldehyde			CAS #:	7421-93-4		
4.826	4.828	-0.002	409305141	400.000	379	80.00- 120.00	100.00
26	4,4'-DDT			CAS #:	50-29-3		
4.761	4.762	-0.001	559816411	400.000	436	80.00- 120.00	100.00(A)
29	Endosulfan sulfate			CAS #:	1031-07-8		
4.992	4.994	-0.002	513974437	400.000	385	80.00- 120.00	100.00
28	Methoxychlor			CAS #:	72-43-5		
5.166	5.169	-0.003	1044072221	2000.00	1830	80.00- 120.00	100.00
31	Endrin ketone			CAS #:	53494-70-5		
5.303	5.303	0.000	544524677	400.000	363	80.00- 120.00	100.00
\$ 1	4cmx			CAS #:	877-09-8		
2.056	2.055	0.001	684822621	400.000	401	80.00- 120.00	100.00(A)
\$ 32	Decachlorobiphenyl			CAS #:	2051-24-3		
6.025	6.025	0.000	610909536	400.000	400	80.00- 120.00	100.00

QC Flag Legend

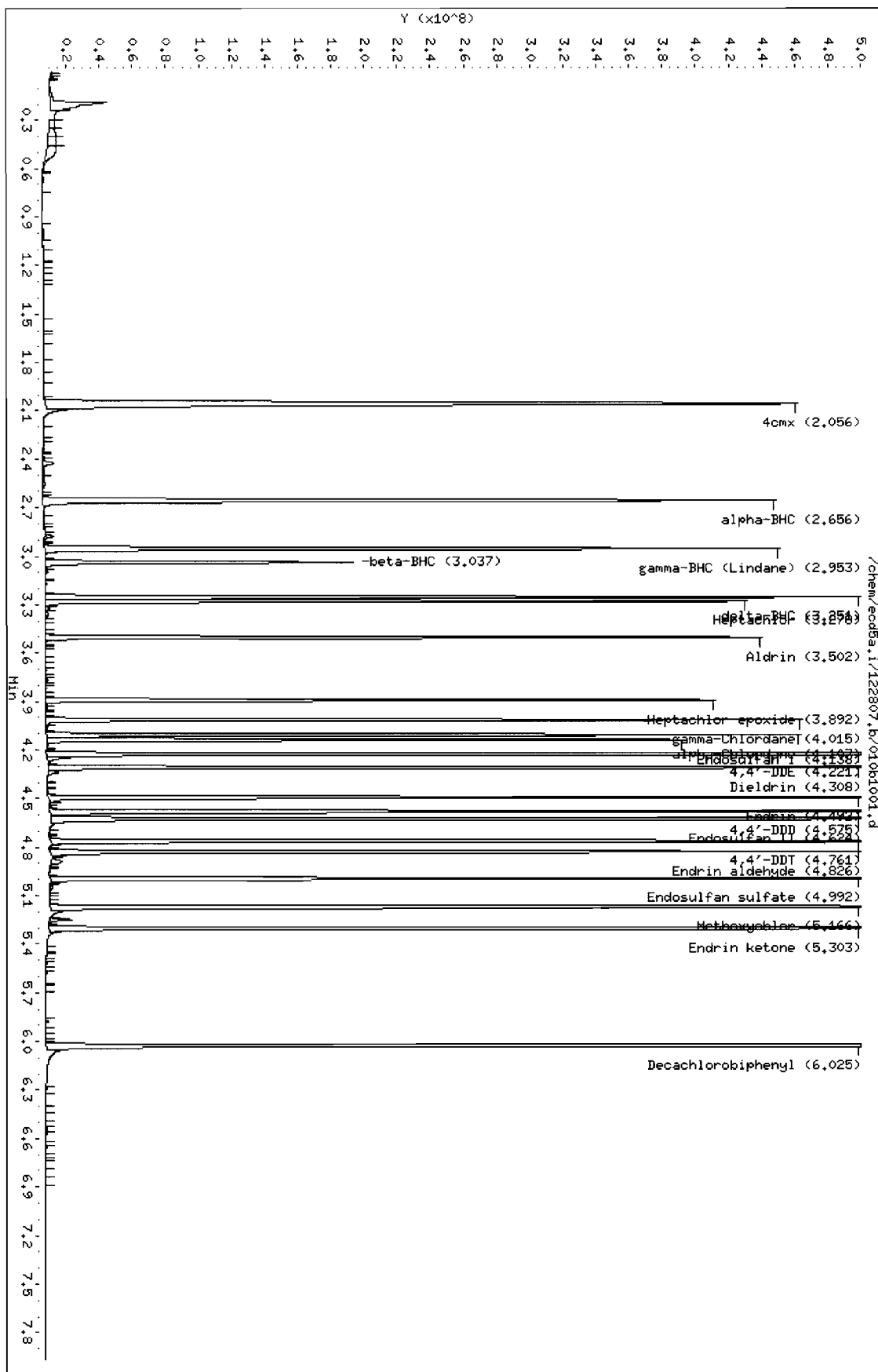
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/ecd5a.i/122807.b/010b1001.d
Date: 28-DEC-2007 20:08
Client ID: INDA305
Sample Info: 11PE071207-01AB

Column phase: CLP-2

Instrument: ecd5a.i

Operator: HXJ1
Column diameter: 0.25



7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP-1 ID: 0.25 (mm) Init. Calib. Date(s): 12/20/07 12/28/07

EPA Sample No. (PIBLK): _____ Date Analyzed : _____

Lab Sample ID (PIBLK): _____ Time Analyzed : _____

EPA Sample No. (PEM): PEM01 Date Analyzed : 01/21/08

Lab Sample ID (PEM): WPE071119-07 Time Analyzed : 1611

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
=====	=====	=====	=====	=====	=====	=====
Aldrin	3.59	3.57	3.63	124	100	24.0
4,4'-DDE						
Endrin	4.54	4.52	4.58	113	100	13.0
4,4'-DDD						
4,4'-DDT	4.77	4.74	4.80	99.5	100	-0.5
Endrin ketone						
Endrin aldehyde						

4,4'-DDT % breakdown (1): 3.80 Endrin % breakdown (1): 2.90

Combined % breakdown (1): 6.70

FORM VII PEST-1

OLM03.0

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP-2 ID: 0.25 (mm) Init. Calib. Date(s): 12/20/07 12/28/07

EPA Sample No. (PIBLK): _____ Date Analyzed : _____

Lab Sample ID (PIBLK): _____ Time Analyzed : _____

EPA Sample No. (PEM): PEM01 Date Analyzed : 01/21/08

Lab Sample ID (PEM): WPE071119-07 Time Analyzed : 1611

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
=====	=====	=====	=====	=====	=====	=====
Aldrin	3.49	3.47	3.53	126	100	26.0
4,4'-DDE						
Endrin	4.48	4.46	4.52	113	100	13.0
4,4'-DDD						
4,4'-DDT	4.75	4.73	4.79	98.4	100	-1.6
Endrin ketone						
Endrin aldehyde						

4,4'-DDT % breakdown (1): 5.00 Endrin % breakdown (1): 5.20

Combined % breakdown (1): 10.20

FORM VII PEST-1

OLM03.0

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A
 Lab Code: Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD5A Calibration Date: 01/21/08 Time: 1634
 Lab File ID: 004F0401 Init. Calib. Date(s): 12/20/07 12/20/07
 Heated Purge: (Y/N) N Init. Calib. Times: 0126 0212
 GC Column: CLP-1 ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d
=====	=====	=====	=====	=====	=====
Toxaphene	1770	2000	LINR	-11.5	15.0
(2)	1890	2000	LINR	-5.5	15.0
(3)	1840	2000	LINR	-8.0	15.0
(4)	1780	2000	LINR	-11.0	15.0
(5)	1820	2000	LINR	-9.0	15.0
=====	=====	=====	=====	=====	=====
4cmx	197	200	AVRG	-1.5	15.0
Decachlorobiphenyl	194	200	LINR	-3.0	15.0

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A
 Lab Code: Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD5A Calibration Date: 01/21/08 Time: 1634
 Lab File ID: 004B0401 Init. Calib. Date(s): 12/20/07 12/20/07
 Heated Purge: (Y/N) N Init. Calib. Times: 0126 0212
 GC Column: CLP-2 ID: 0.25 (mm)

COMPOUND	RRF	RRF100	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Toxaphene	28606.761	29893.544	0.01	4.5	15.0
(2)	23524.255	26084.376	0.01	10.9	15.0
(3)	36776.970	40261.690	0.01	9.5	15.0
(4)	67253.125	74770.090	0.01	11.2	15.0
(5)	40904.396	46187.090	0.01	12.9	15.0
=====	=====	=====	=====	=====	=====
4cmx	1707432.6	1685445.6	0.01	-1.3	15.0
Decachlorobiphenyl	1526740.6	1329239.1	0.01	-12.9	15.0
=====	=====	=====	=====	=====	=====

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A
 Lab Code: Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD5A Calibration Date: 01/21/08 Time: 1646
 Lab File ID: 005F0501 Init. Calib. Date(s): 12/20/07 12/20/07
 Heated Purge: (Y/N) N Init. Calib. Times: 0236 0323
 GC Column: CLP-1 ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d	
Chlordane (tech.)	1170	1000	AVRG	17.0	15.0	<-
(2)	1160	1000	AVRG	16.0	15.0	<-
(3)	1100	1000	AVRG	10.0	15.0	
(4)	1050	1000	AVRG	5.0	15.0	
(5)	1160	1000	AVRG	16.0	15.0	<-
4cmx	197	200	AVRG	-1.5	15.0	
Decachlorobiphenyl	222	200	LINR	11.0	15.0	

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A
 Lab Code: Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD5A Calibration Date: 01/21/08 Time: 1646
 Lab File ID: 005B0501 Init. Calib. Date(s): 12/20/07 12/20/07
 Heated Purge: (Y/N) N Init. Calib. Times: 0236 0323
 GC Column: CLP-2 ID: 0.25 (mm)

COMPOUND	RRF	RRF100	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Chlordane (tech.)	59602.849	64862.558	0.01	8.8	15.0
(2)	35372.058	39401.596	0.01	11.4	15.0
(3)	171391.07	199426.00	0.01	16.4	15.0
(4)	140903.17	144887.81	0.01	2.8	15.0
(5)	138626.08	167429.62	0.01	20.8	15.0
=====	=====	=====	=====	=====	=====
4cmx	1707432.6	1746469.4	0.01	2.3	15.0
Decachlorobiphenyl	1526740.6	1375765.9	0.01	-9.9	15.0
=====	=====	=====	=====	=====	=====

<-
<-

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: Case No.: N/A SAS No.: N/A SDG No.: 201226

Instrument ID: ECD5A Calibration Date: 01/21/08 Time: 1658

Lab File ID: 006F0601 Init. Calib. Date(s): 12/28/07 12/28/07

Heated Purge: (Y/N) N Init. Calib. Times: 1921 2008

GC Column: CLP-1 ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d
alpha-BHC	105	100	AVRG	5.0	15.0
beta-BHC	95.3	100	AVRG	-4.7	15.0
delta-BHC	104	100	AVRG	4.0	15.0
gamma-BHC (Lindane)	103	100	AVRG	3.0	15.0
Heptachlor	97.3	100	AVRG	-2.7	15.0
Aldrin	102	100	AVRG	2.0	15.0
Heptachlor epoxide	99.6	100	AVRG	-0.4	15.0
Endosulfan I	114	100	AVRG	14.0	15.0
Dieldrin	199	200	AVRG	-0.5	15.0
4,4'-DDE	193	200	AVRG	-3.5	15.0
Endrin	190	200	AVRG	-5.0	15.0
Endosulfan II	195	200	AVRG	-2.5	15.0
4,4'-DDD	196	200	AVRG	-2.0	15.0
Endosulfan sulfate	186	200	AVRG	-7.0	15.0
4,4'-DDT	197	200	AVRG	-1.5	15.0
Methoxychlor	851	1000	AVRG	-14.9	15.0
Endrin ketone	183	200	AVRG	-8.5	15.0
Endrin aldehyde	204	200	AVRG	2.0	15.0
gamma-Chlordane	104	100	AVRG	4.0	15.0
alpha-Chlordane	99.0	100	AVRG	-1.0	15.0
4cmx	180	200	AVRG	-10.0	15.0
Decachlorobiphenyl	180	200	LINR	-10.0	15.0

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: Case No.: N/A SAS No.: N/A SDG No.: 201226

Instrument ID: ECD5A Calibration Date: 01/21/08 Time: 1658

Lab File ID: 006B0601 Init. Calib. Date(s): 12/28/07 12/28/07

Heated Purge: (Y/N) N Init. Calib. Times: 1921 2008

GC Column: CLP-2 ID: 0.25 (mm)

COMPOUND	RRF	RRF100	MIN RRF	%D	MAX %D
alpha-BHC	2139786.6	2262316.3	0.01	5.7	15.0
beta-BHC	855967.27	837972.51	0.01	-2.1	15.0
delta-BHC	1951063.9	1988970.7	0.01	1.9	15.0
gamma-BHC (Lindane)	1958101.2	2039789.7	0.01	4.2	15.0
Heptachlor	1960004.2	1909475.1	0.01	-2.6	15.0
Aldrin	1826753.6	1873572.4	0.01	2.6	15.0
Heptachlor epoxide	1671790.8	1625715.0	0.01	-2.8	15.0
Endosulfan I	1551810.4	1541687.3	0.01	-0.6	15.0
Dieldrin	1700865.9	1631657.0	0.01	-4.1	15.0
4,4'-DDE	1659715.8	1638461.0	0.01	-1.3	15.0
Endrin	1534355.4	1414298.2	0.01	-7.8	15.0
Endosulfan II	1450069.9	1397308.0	0.01	-3.6	15.0
4,4'-DDD	1413962.8	1345687.2	0.01	-4.8	15.0
Endosulfan sulfate	1341178.9	1272530.0	0.01	-5.1	15.0
4,4'-DDT	1300603.0	1307875.0	0.01	0.6	15.0
Methoxychlor	570914.52	489609.90	0.01	-14.2	15.0
Endrin ketone	1508901.2	1387334.1	0.01	-8.0	15.0
Endrin aldehyde	1085810.7	1122818.6	0.01	3.4	15.0
gamma-Chlordane	1703174.9	1715031.1	0.01	0.7	15.0
alpha-Chlordane	1650270.1	1617877.1	0.01	-2.0	15.0
4cmx	1707432.6	1561062.9	0.01	-8.6	15.0
Decachlorobiphenyl	1526740.6	1309144.1	0.01	-14.2	15.0

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: Case No.: N/A SAS No.: N/A SDG No.: 201226

Instrument ID: ECD5A Calibration Date: 01/21/08 Time: 1855

Lab File ID: 016F1601 Init. Calib. Date(s): 12/28/07 12/28/07

Heated Purge: (Y/N) N Init. Calib. Times: 1921 2008

GC Column: CLP-1 ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d
alpha-BHC	108	100	AVRG	8.0	15.0
beta-BHC	97.3	100	AVRG	-2.7	15.0
delta-BHC	106	100	AVRG	6.0	15.0
gamma-BHC (Lindane)	105	100	AVRG	5.0	15.0
Heptachlor	98.7	100	AVRG	-1.3	15.0
Aldrin	104	100	AVRG	4.0	15.0
Heptachlor epoxide	99.8	100	AVRG	-0.2	15.0
Endosulfan I	108	100	AVRG	8.0	15.0
Dieldrin	200	200	AVRG	0.0	15.0
4,4'-DDE	199	200	AVRG	-0.5	15.0
Endrin	192	200	AVRG	-4.0	15.0
Endosulfan II	197	200	AVRG	-1.5	15.0
4,4'-DDD	198	200	AVRG	-1.0	15.0
Endosulfan sulfate	190	200	AVRG	-5.0	15.0
4,4'-DDT	200	200	AVRG	0.0	15.0
Methoxychlor	862	1000	AVRG	-13.8	15.0
Endrin ketone	189	200	AVRG	-5.5	15.0
Endrin aldehyde	206	200	AVRG	3.0	15.0
gamma-Chlordane	103	100	AVRG	3.0	15.0
alpha-Chlordane	99.3	100	AVRG	-0.7	15.0
4cmx	186	200	AVRG	-7.0	15.0
Decachlorobiphenyl	194	200	LINR	-3.0	15.0

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: Case No.: N/A SAS No.: N/A SDG No.: 201226

Instrument ID: ECD5A Calibration Date: 01/21/08 Time: 1855

Lab File ID: 016B1601 Init. Calib. Date(s): 12/28/07 12/28/07

Heated Purge: (Y/N) N Init. Calib. Times: 1921 2008

GC Column: CLP-2 ID: 0.25 (mm)

COMPOUND	RRF	RRF100	MIN RRF	%D	MAX %D
alpha-BHC	2139786.6	2231772.2	0.01	4.3	15.0
beta-BHC	855967.27	812027.37	0.01	-5.1	15.0
delta-BHC	1951063.9	1956844.5	0.01	0.3	15.0
gamma-BHC (Lindane)	1958101.2	2013470.8	0.01	2.8	15.0
Heptachlor	1960004.2	1880710.4	0.01	-4.0	15.0
Aldrin	1826753.6	1854657.4	0.01	1.5	15.0
Heptachlor epoxide	1671790.8	1607181.3	0.01	-3.9	15.0
Endosulfan I	1551810.4	1521906.8	0.01	-1.9	15.0
Dieldrin	1700865.9	1610124.9	0.01	-5.3	15.0
4,4'-DDE	1659715.8	1628207.1	0.01	-1.9	15.0
Endrin	1534355.4	1348504.5	0.01	-12.1	15.0
Endosulfan II	1450069.9	1357405.0	0.01	-6.4	15.0
4,4'-DDD	1413962.8	1341709.1	0.01	-5.1	15.0
Endosulfan sulfate	1341178.9	1251326.1	0.01	-6.7	15.0
4,4'-DDT	1300603.0	1315208.4	0.01	1.1	15.0
Methoxychlor	570914.52	489552.40	0.01	-14.2	15.0
Endrin ketone	1508901.2	1366504.3	0.01	-9.4	15.0
Endrin aldehyde	1085810.7	1091171.4	0.01	0.5	15.0
gamma-Chlordane	1703174.9	1691729.6	0.01	-0.7	15.0
alpha-Chlordane	1650270.1	1595177.9	0.01	-3.3	15.0
4cmx	1707432.6	1540358.9	0.01	-9.8	15.0
Decachlorobiphenyl	1526740.6	1261374.5	0.01	-17.4	15.0

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FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: Case No.: N/A SAS No.: N/A SDG No.: 201226

Instrument ID: ECD5A Calibration Date: 01/21/08 Time: 1953

Lab File ID: 021F2101 Init. Calib. Date(s): 12/28/07 12/28/07

Heated Purge: (Y/N) N Init. Calib. Times: 1921 2008

GC Column: CLP-1 ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d
alpha-BHC	110	100	AVRG	10.0	15.0
beta-BHC	99.9	100	AVRG	-0.1	15.0
delta-BHC	108	100	AVRG	8.0	15.0
gamma-BHC (Lindane)	108	100	AVRG	8.0	15.0
Heptachlor	102	100	AVRG	2.0	15.0
Aldrin	106	100	AVRG	6.0	15.0
Heptachlor epoxide	102	100	AVRG	2.0	15.0
Endosulfan I	108	100	AVRG	8.0	15.0
Dieldrin	206	200	AVRG	3.0	15.0
4,4'-DDE	205	200	AVRG	2.5	15.0
Endrin	199	200	AVRG	-0.5	15.0
Endosulfan II	202	200	AVRG	1.0	15.0
4,4'-DDD	206	200	AVRG	3.0	15.0
Endosulfan sulfate	197	200	AVRG	-1.5	15.0
4,4'-DDT	212	200	AVRG	6.0	15.0
Methoxychlor	915	1000	AVRG	-8.5	15.0
Endrin ketone	196	200	AVRG	-2.0	15.0
Endrin aldehyde	212	200	AVRG	6.0	15.0
gamma-Chlordane	106	100	AVRG	6.0	15.0
alpha-Chlordane	102	100	AVRG	2.0	15.0
4cmx	189	200	AVRG	-5.5	15.0
Decachlorobiphenyl	174	200	LINR	-13.0	15.0

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A
 Lab Code: Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD5A Calibration Date: 01/21/08 Time: 1953
 Lab File ID: 021B2101 Init. Calib. Date(s): 12/28/07 12/28/07
 Heated Purge: (Y/N) N Init. Calib. Times: 1921 2008
 GC Column: CLP-2 ID: 0.25 (mm)

COMPOUND	RRF	RRF100	MIN RRF	%D	MAX %D
alpha-BHC	2139786.6	2342274.5	0.01	9.5	15.0
beta-BHC	855967.27	872564.11	0.01	1.9	15.0
delta-BHC	1951063.9	2063527.0	0.01	5.8	15.0
gamma-BHC (Lindane)	1958101.2	2128057.6	0.01	8.7	15.0
Heptachlor	1960004.2	1993008.4	0.01	1.7	15.0
Aldrin	1826753.6	1950788.6	0.01	6.8	15.0
Heptachlor epoxide	1671790.8	1722431.7	0.01	3.0	15.0
Endosulfan I	1551810.4	1597290.0	0.01	2.9	15.0
Dieldrin	1700865.9	1672722.1	0.01	-1.6	15.0
4,4'-DDE	1659715.8	1700901.1	0.01	2.5	15.0
Endrin	1534355.4	1333123.0	0.01	-13.1	15.0
Endosulfan II	1450069.9	1401495.0	0.01	-3.3	15.0
4,4'-DDD	1413962.8	1413531.2	0.01	-0.0	15.0
Endosulfan sulfate	1341178.9	1311368.4	0.01	-2.2	15.0
4,4'-DDT	1300603.0	1396284.7	0.01	7.4	15.0
Methoxychlor	570914.52	513792.16	0.01	-10.0	15.0
Endrin ketone	1508901.2	1442733.9	0.01	-4.4	15.0
Endrin aldehyde	1085810.7	1129849.4	0.01	4.0	15.0
gamma-Chlordane	1703174.9	1782647.9	0.01	4.7	15.0
alpha-Chlordane	1650270.1	1674109.4	0.01	1.4	15.0
4cmx	1707432.6	1596681.9	0.01	-6.5	15.0
Decachlorobiphenyl	1526740.6	1300038.7	0.01	-14.8	15.0

FORM VII PEST

GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/012108.b/002f0201.d
Lab Smp Id: WPE071119-07DG Client Smp ID: PEM01
Inj Date : 21-JAN-2008 16:11
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071119-07DG
Misc Info :
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
Meth Date : 22-Jan-2008 21:14 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010f1001.d
Als bottle: 2 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: None

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====		=====	=====	=====	=====
11 Aldrin							
				CAS #: 309-00-2			
3.594	3.597	-0.003		40444958 123.822	124	80.00- 120.00	100.00

19 4,4'-DDE							
				CAS #: 72-55-9			
4.237	4.239	-0.002		128974 0.44252	0.442	80.00- 120.00	100.00 (M)

22 Endrin							
				CAS #: 72-20-8			
4.545	4.547	-0.002		32255889 113.118	113	80.00- 120.00	100.00

25 4,4'-DDD							
				CAS #: 72-54-8			
4.604	4.604	0.000		816236 3.24583	3.24	80.00- 120.00	100.00

27 Endrin aldehyde							
				CAS #: 7421-93-4			
4.930	4.931	-0.001		313024 1.57749	1.58	80.00- 120.00	100.00 (M)

26 4,4'-DDT							
				CAS #: 50-29-3			
4.771	4.773	-0.002		24191236 99.5421	99.5	80.00- 120.00	100.00

31 Endrin ketone							
				CAS #: 53494-70-5			
5.351	5.353	-0.002		673864 2.43104	2.43	80.00- 120.00	100.00

\$ 1 4cmx							
				CAS #: 877-09-8			
2.206	2.212	-0.006		62310799 220.997	221	80.00- 120.00	100.00 (R)

\$ 32 Decachlorobiphenyl							
				CAS #: 2051-24-3			
5.959	5.958	0.001		37691716 199.568	200	80.00- 120.00	100.00 (R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: /chem/ecdf5a.i/012108.b/002f0201.d

Date : 21-JAN-2008 16:11

Client ID: PEM01

Sample Info: 1WPE071119-07DG

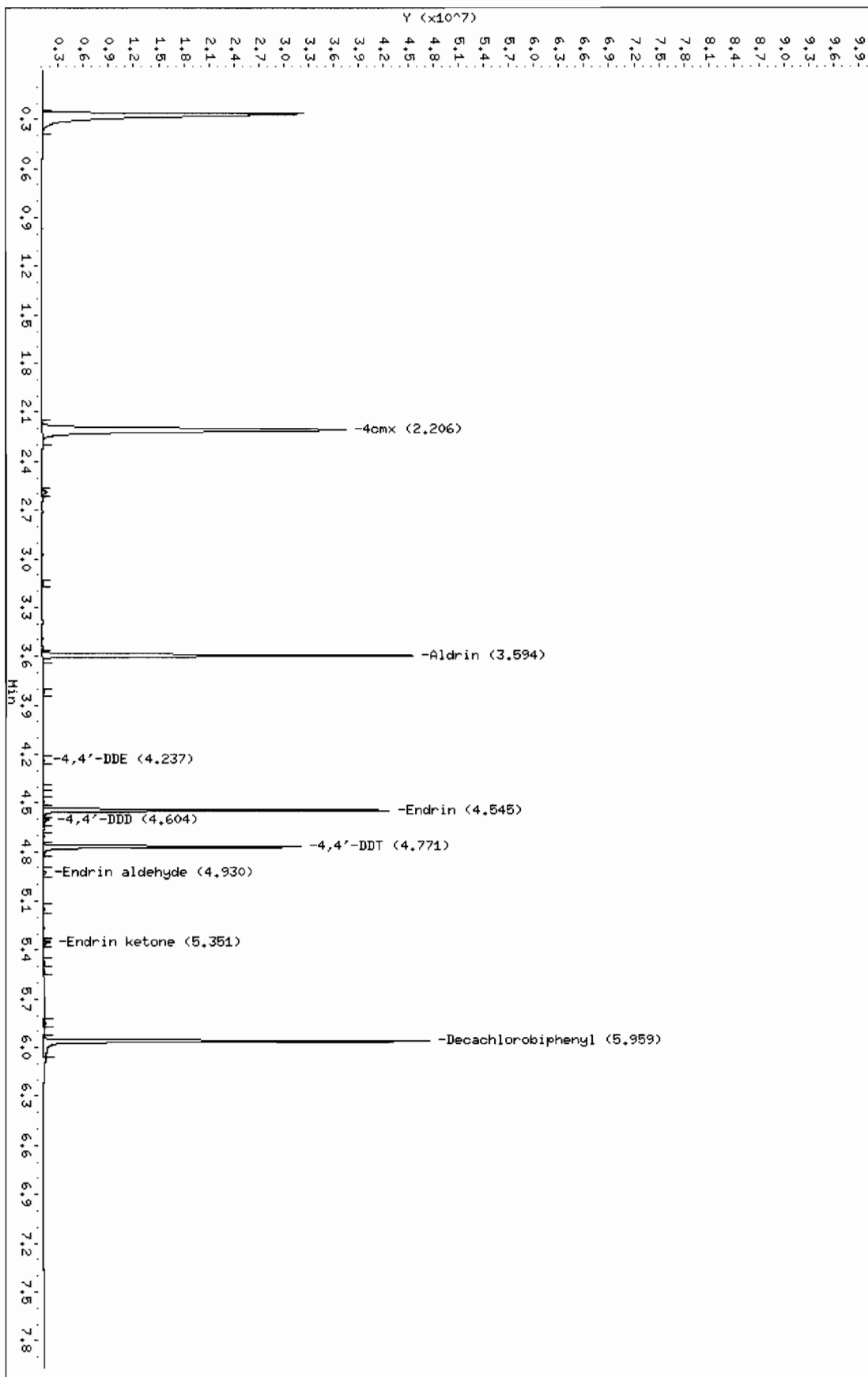
Column phase: CLP-1

Instrument: ecdf5a.i

Operator: HXJ1

Column diameter: 0.25

/chem/ecdf5a.i/012108.b/002f0201.d



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/012108.b/002b0201.d
Lab Smp Id: WPE071119-07DG Client Smp ID: PEM01
Inj Date : 21-JAN-2008 16:11
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071119-07DG
Misc Info :
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
Meth Date : 22-Jan-2008 18:32 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010b1001.d
Als bottle: 2 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: None

CONCENTRATIONS

RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====
11 Aldrin				CAS #: 309-00-2		
3.491	3.496	-0.005	229683983	125.733	126 80.00- 120.00	100.00

19 4,4'-DDE				CAS #: 72-55-9		
4.217	4.219	-0.002	831615	0.50106	0.501 80.00- 120.00	100.00(M)

22 Endrin				CAS #: 72-20-8		
4.483	4.486	-0.003	173871743	113.319	113 80.00- 120.00	100.00

25 4,4'-DDD				CAS #: 72-54-8		
4.570	4.571	-0.001	5889483	4.16523	4.16 80.00- 120.00	100.00(M)

27 Endrin aldehyde				CAS #: 7421-93-4		
4.819	4.821	-0.002	2354506	2.16843	2.17 80.00- 120.00	100.00(M)

26 4,4'-DDT				CAS #: 50-29-3		
4.753	4.756	-0.003	128056035	98.4590	98.4 80.00- 120.00	100.00

31 Endrin ketone				CAS #: 53494-70-5		
5.293	5.295	-0.002	3468270	2.29854	2.30 80.00- 120.00	100.00(M)

\$ 1 4cmx				CAS #: 877-09-8		
2.043	2.048	-0.005	380474034	222.834	223 80.00- 120.00	100.00(R)

\$ 32 Decachlorobiphenyl				CAS #: 2051-24-3		
6.019	6.018	0.001	290412991	190.218	190 80.00- 120.00	100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: /chem/ecdb5a.i/012108.b/002b0201.d
Date : 21-JAN-2008 16:11
Client ID: PEM01
Sample Info: IMPE071119-07DG

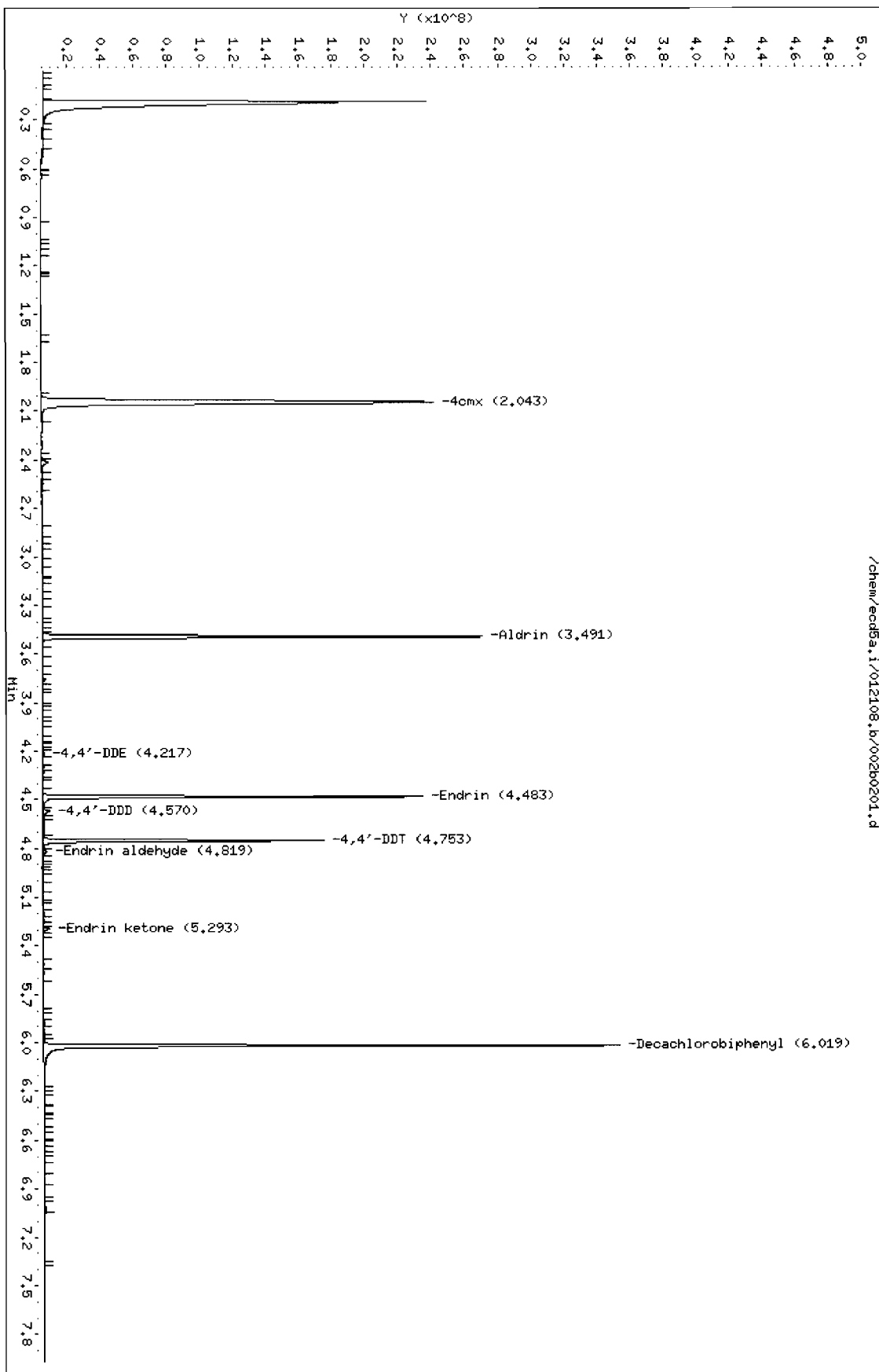
Column phase: CLP-2

Instrument: ecdb5a.i

Operator: HXJ1

Column diameter: 0.25

/chem/ecdb5a.i/012108.b/002b0201.d



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/012108.b/004f0401.d
 Lab Smp Id: WPE071211-19TX Client Smp ID: TOXAPH01
 Inj Date : 21-JAN-2008 16:34
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |WPE071211-19TX
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
 Meth Date : 22-Jan-2008 21:14 hea01125 Quant Type: ESTD
 Cal Date : 18-JAN-2008 21:19 Cal File: 010f1001.d
 Als bottle: 4 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Tox.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	
23 Toxaphene				CAS #: 8001-35-2			
4.465	4.465	0.000	8186230 2000.00	1770	80.00- 120.00	100.00	
4.677	4.677	0.000	23406779 2000.00	1890	265.93- 305.93	285.93	
4.727	4.727	0.000	13019926 2000.00	1840	139.05- 179.05	159.05	
4.955	4.955	0.000	13715299 2000.00	1780	147.54- 187.54	167.54	
5.135	5.135	0.000	16755140 2000.00	1820	184.67- 224.67	204.67	
Average of Peak Amounts =				1.82e+03			

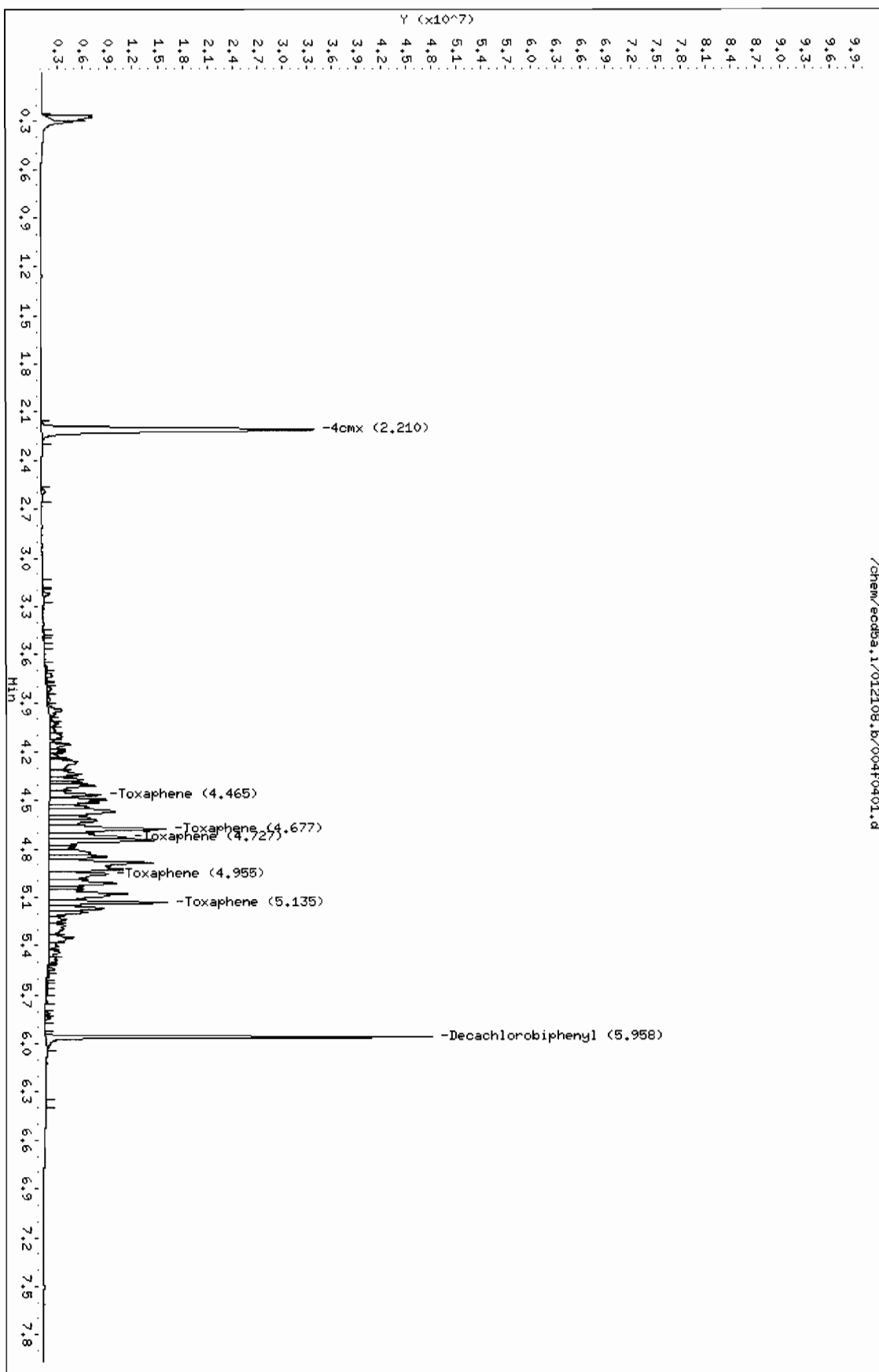
\$ 1 4cmx				CAS #: 877-09-8			
2.210	2.212	-0.002	55596097 200.000	197	80.00- 120.00	100.00	

\$ 32 Decachlorobiphenyl				CAS #: 2051-24-3			
5.958	5.958	0.000	36586641 200.000	194	80.00- 120.00	100.00	

Data File: /chem/ecod5a.i/012108.b/004f0401.d
Date : 21-JAN-2008 16:34
Client ID: TOXAPH01
Sample Info: IMPE071211-19TX
Column phase: CLP-1

Instrument: ecod5a.i
Operator: HXJ1
Column diameter: 0.25

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GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/012108.b/004b0401.d
 Lab Smp Id: WPE071211-19TX Client Smp ID: TOXAPH01
 Inj Date : 21-JAN-2008 16:34
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |WPE071211-19TX
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
 Meth Date : 22-Jan-2008 18:32 hea01125 Quant Type: ESTD
 Cal Date : 18-JAN-2008 21:19 Cal File: 010b1001.d
 Als bottle: 4 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Tox.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
***	*****	*****	*****	*****	*****	*****	*****
23 Toxaphene					CAS #: 8001-35-2		
4.289	4.289	0.000	59787088	2000.00	2090	80.00- 120.00	100.00(M)
4.590	4.590	0.000	52168753	2000.00	2220	67.26- 107.26	87.26
4.609	4.609	0.000	80523379	2000.00	2190	114.68- 154.68	134.68
4.668	4.668	0.000	149540179	2000.00	2220	230.12- 270.12	250.12
4.825	4.825	0.000	92374179	2000.00	2260	134.51- 174.51	154.51
Average of Peak Amounts =				2.2e+03			

\$ 1 4cmx					CAS #: 877-09-8		
2.048	2.048	0.000	337089113	200.000	197	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3		
6.017	6.018	-0.001	265847830	200.000	174	80.00- 120.00	100.00

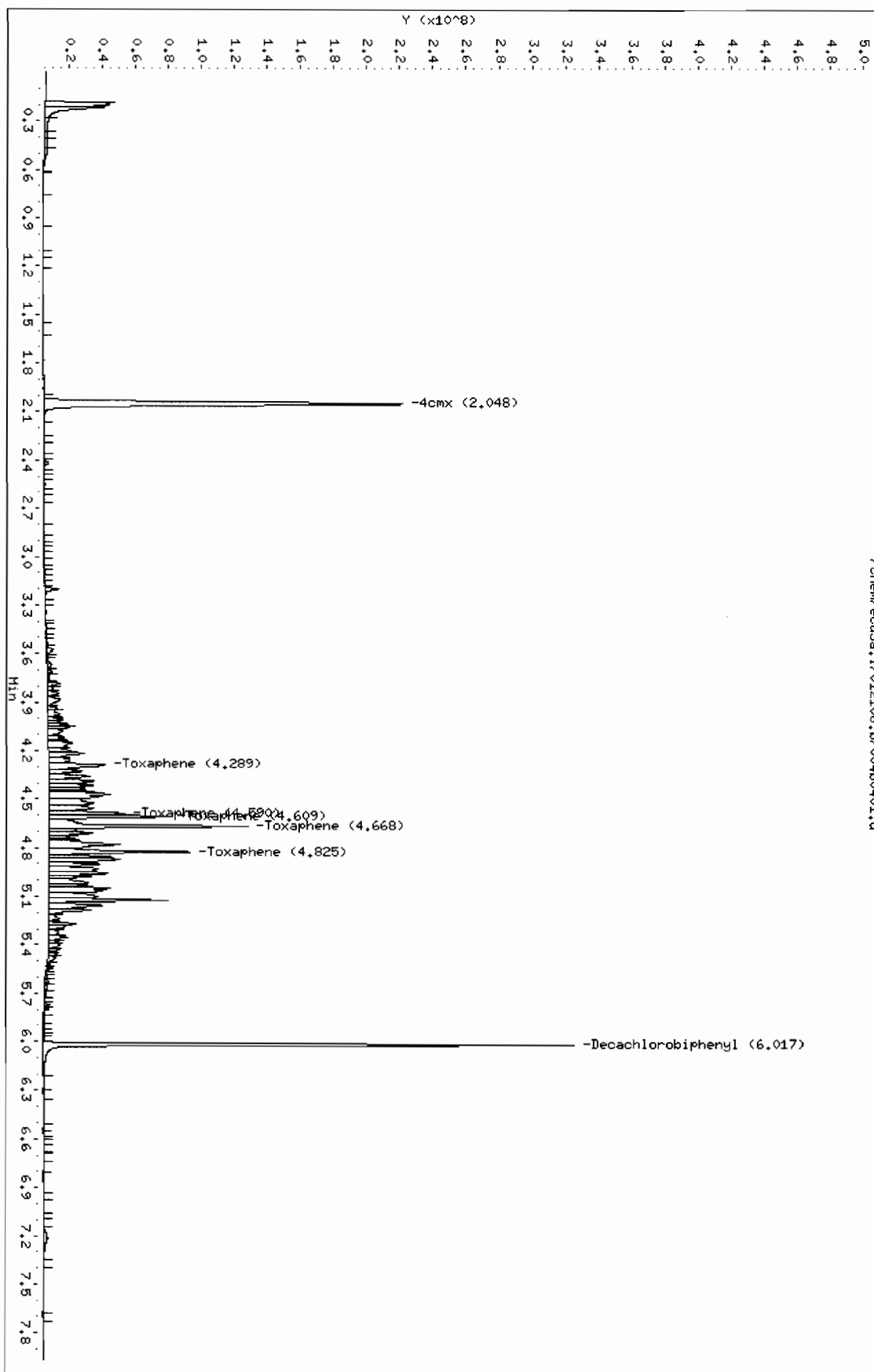
QC Flag Legend

M - Compound response manually integrated.

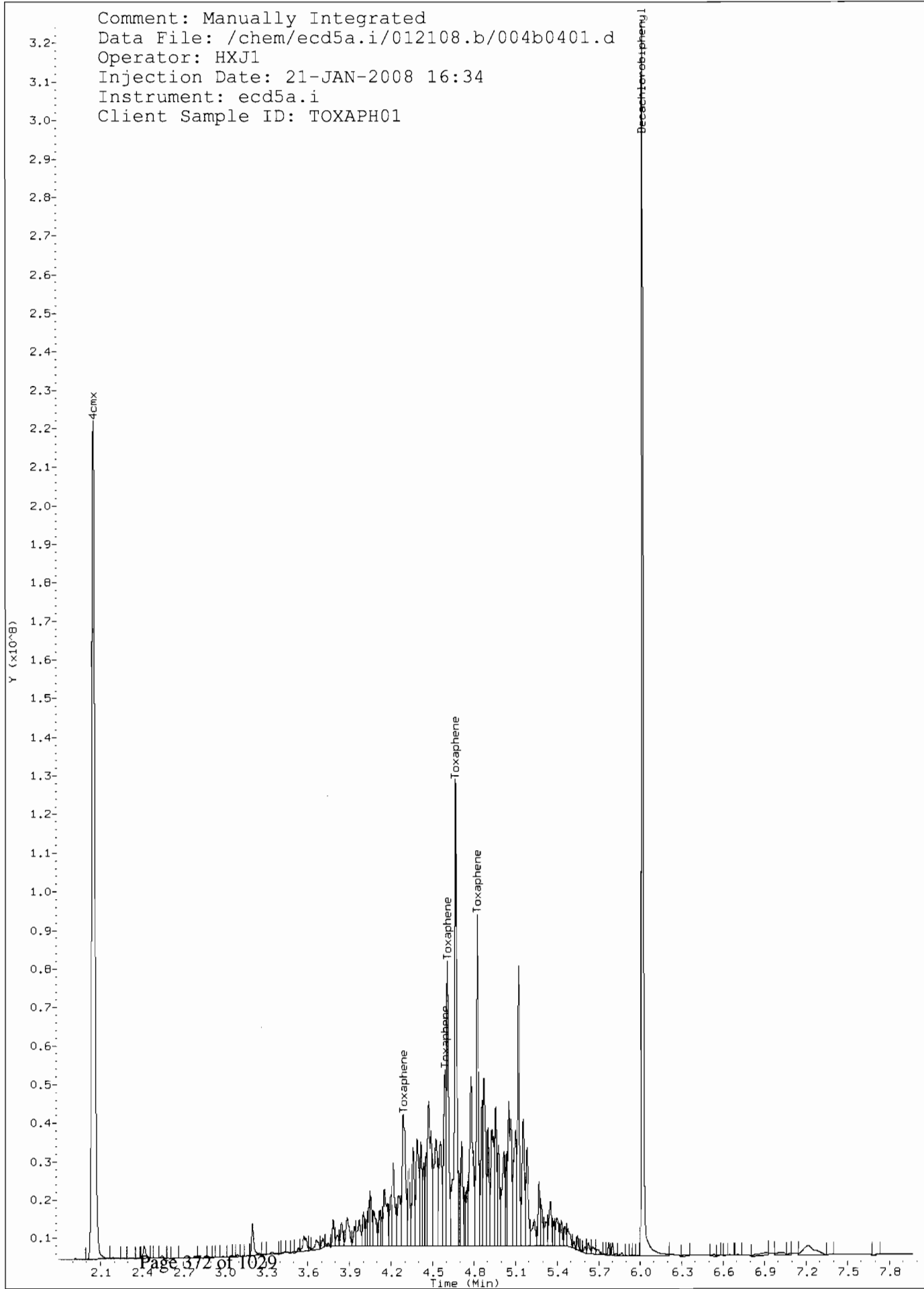
Data File: /chem/ecdf5a.i/012108.b/004b0401.d
Date: 21-JAN-2008 16:34
Client ID: TOXAPH01
Sample Info: IMPE071211-19TX
Column phase: CLP-2

Instrument: ecdf5a.i
Operator: HXJ1
Column diameter: 0.25

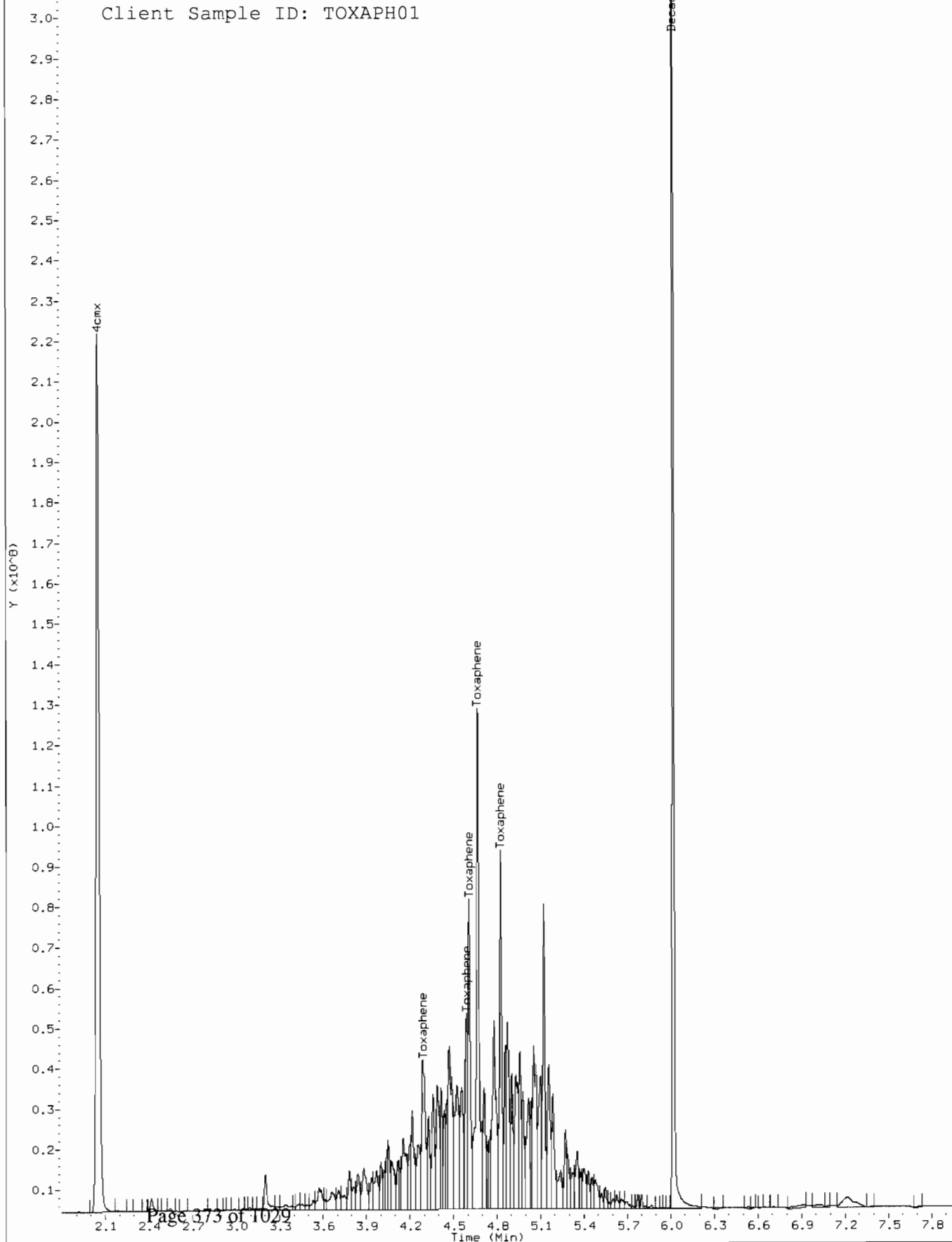
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Comment: Manually Integrated
Data File: /chem/ecd5a.i/012108.b/004b0401.d
Operator: HXJ1
Injection Date: 21-JAN-2008 16:34
Instrument: ecd5a.i
Client Sample ID: TOXAPH01



Comment: Before manual integration
Data File: /chem/ecd5a.i/012108.b/orig-004b0401.d
Operator: HXJ1
Injection Date: 21-JAN-2008 16:34
Instrument: ecd5a.i
Client Sample ID: TOXAPH01



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/012108.b/005f0501.d
Lab Smp Id: WPE071211-01CHL Client Smp ID: CHLOR01
Inj Date : 21-JAN-2008 16:46
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071211-01CHL
Misc Info :
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
Meth Date : 22-Jan-2008 21:14 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010f1001.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Chlor.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====		=====
8 Chlordane (tech.)				CAS #: 57-74-9			
3.319	3.319	0.000	10984103 1000.00	1170	80.00- 120.00		100.00(M)
3.964	3.964	0.000	6363216 1000.00	1160	37.93- 77.93		57.93
4.089	4.089	0.000	36014664 1000.00	1100	307.88- 347.88		327.88
4.172	4.172	0.000	51634292 1000.00	1050	450.08- 490.08		470.08
4.645	4.645	0.000	10190626 1000.00	1160	72.78- 112.78		92.78
Average of Peak Amounts =				1.13e+03			

\$ 1 4cmx				CAS #: 877-09-8			
2.210	2.212	-0.002	55626641 200.000	197	80.00- 120.00		100.00

\$ 32 Decachlorobiphenyl				CAS #: 2051-24-3			
5.959	5.958	0.001	41932795 200.000	222	80.00- 120.00		100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/eod5a.i/012108.b/005f0501.d
Date : 21-JAN-2008 16:46
Client ID: CHLOR01
Sample Info: IMPE071211-01CHL

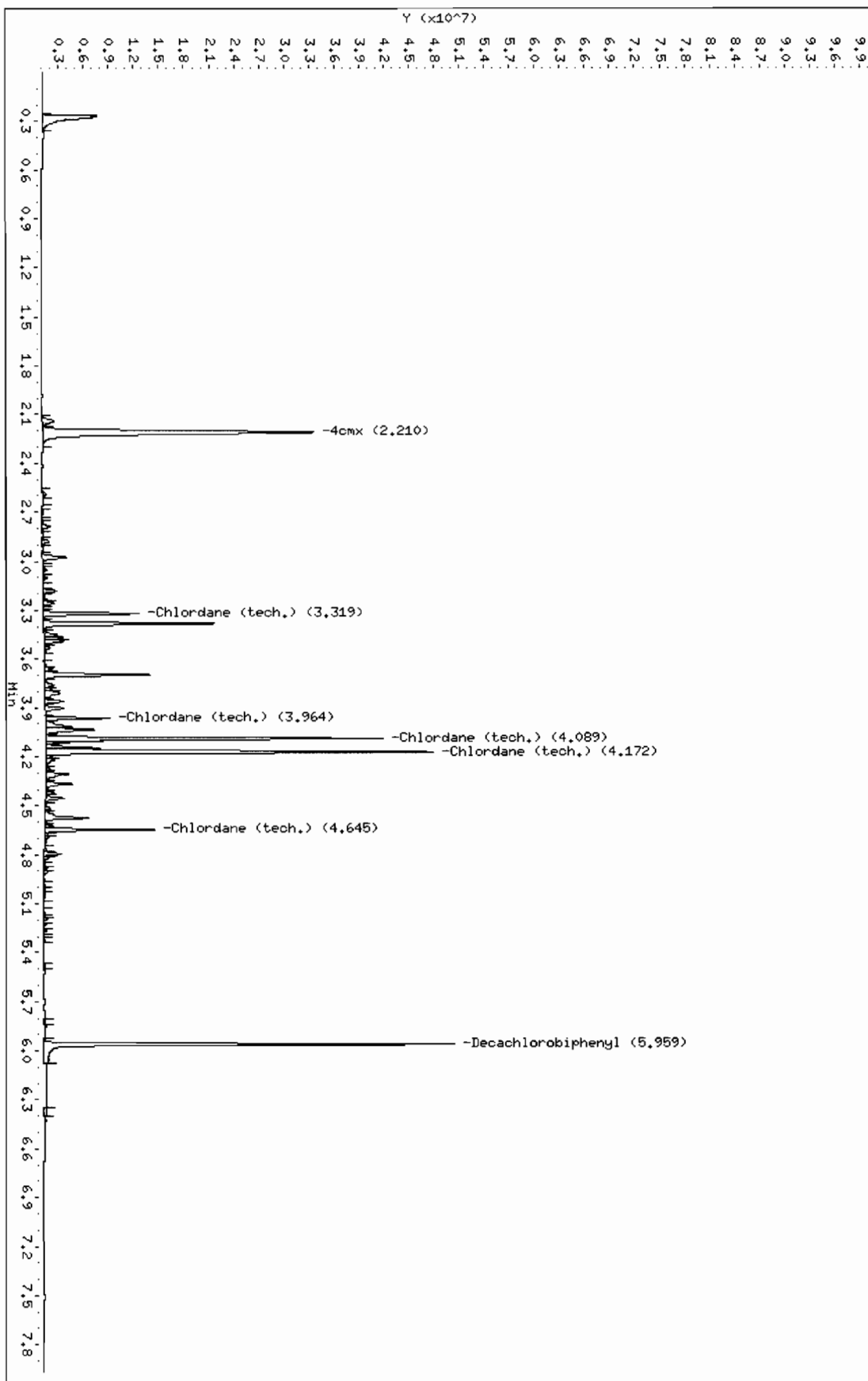
Instrument: eod5a.i

Page 1

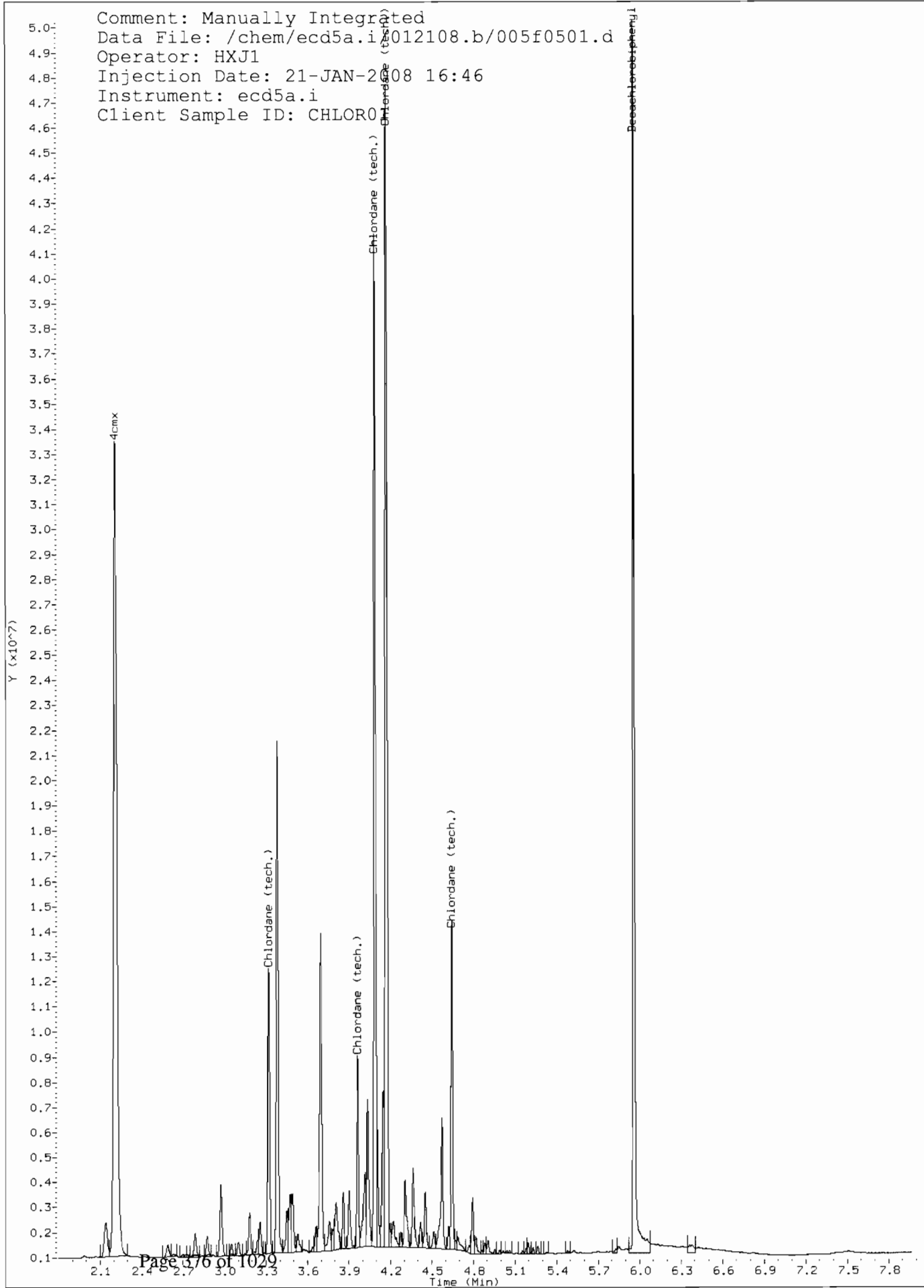
Column phase: CLP-1

Operator: HXJL
Column diameter: 0.25

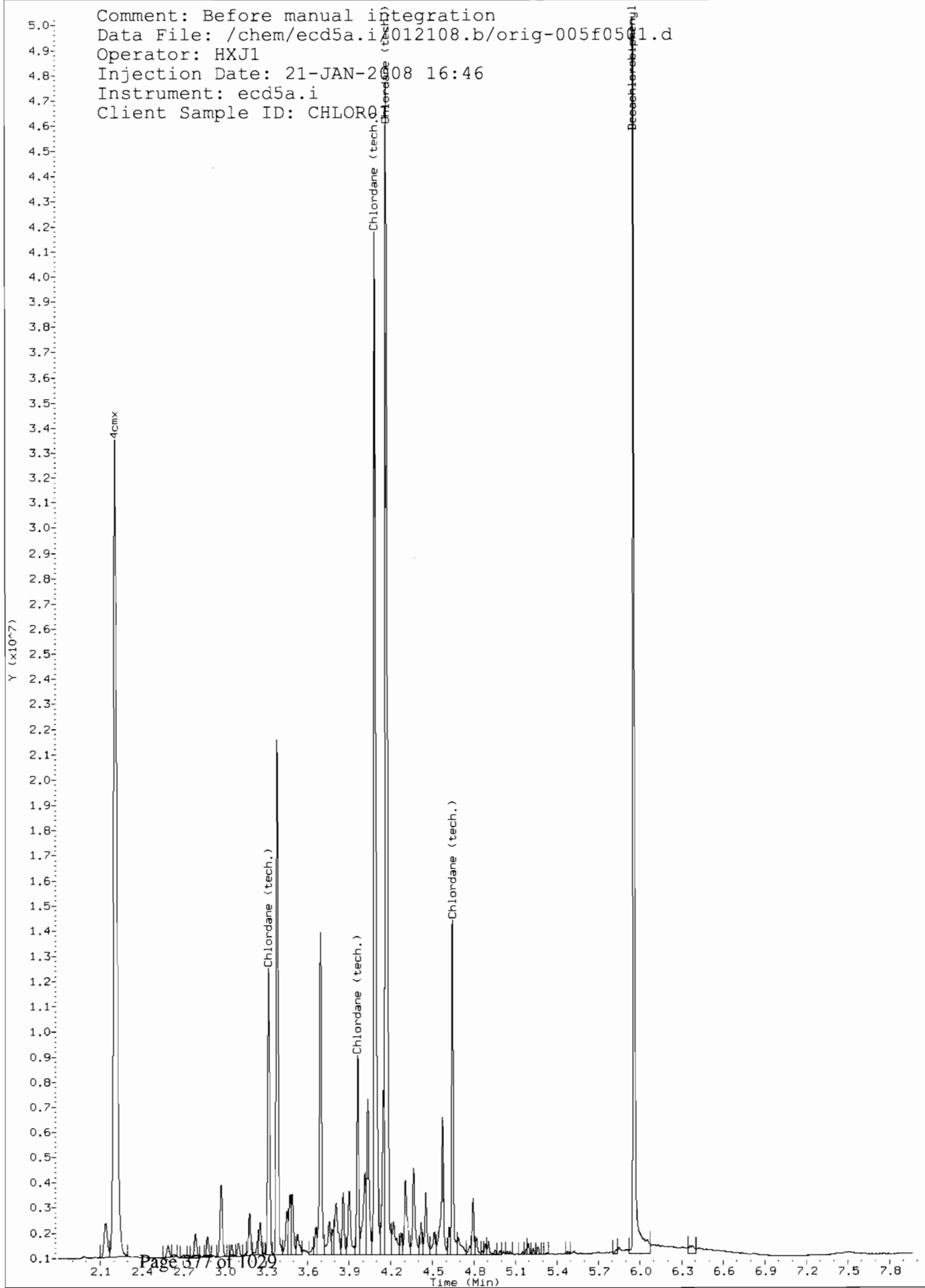
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Comment: Manually Integrated
Data File: /chem/ecd5a.i/0012108.b/005f0501.d
Operator: HXJ1
Injection Date: 21-JAN-2008 16:46
Instrument: ecd5a.i
Client Sample ID: CHLORO



Comment: Before manual integration
Data File: /chem/ecd5a.i\012108.b/orig-005f0501.d
Operator: HXJ1
Injection Date: 21-JAN-2008 16:46
Instrument: ecd5a.i
Client Sample ID: CHLOR0



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/012108.b/005b0501.d
 Lab Smp Id: WPE071211-01CHL Client Smp ID: CHLOR01
 Inj Date : 21-JAN-2008 16:46
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |WPE071211-01CHL
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
 Meth Date : 22-Jan-2008 18:32 hea01125 Quant Type: ESTD
 Cal Date : 18-JAN-2008 21:19 Cal File: 010b1001.d
 Als bottle: 5 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Chlor.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====		=====
8 Chlordane (tech.)				CAS #: 57-74-9			
3.164	3.164	0.000	64862558 1000.00	1090	80.00- 120.00		100.00(M)
3.867	3.867	0.000	39401596 1000.00	1110	40.75- 80.75		60.75
4.007	4.007	0.000	199426000 1000.00	1160	287.46- 327.46		307.46
4.068	4.068	0.000	144887810 1000.00	1030	203.38- 243.38		223.38
4.100	4.100	0.000	167429622 1000.00	1210	238.13- 278.13		258.13
Average of Peak Amounts =				1.12e+03			

\$ 1 4cmx				CAS #: 877-09-8			
2.048	2.048	0.000	349293878 200.000	204	80.00- 120.00		100.00

\$ 32 Decachlorobiphenyl				CAS #: 2051-24-3			
6.019	6.018	0.001	275153183 200.000	180	80.00- 120.00		100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecdf5a.i/012108.b/005b0501.d

Date : 21-JAN-2008 16:46

Client ID: CHL0R01

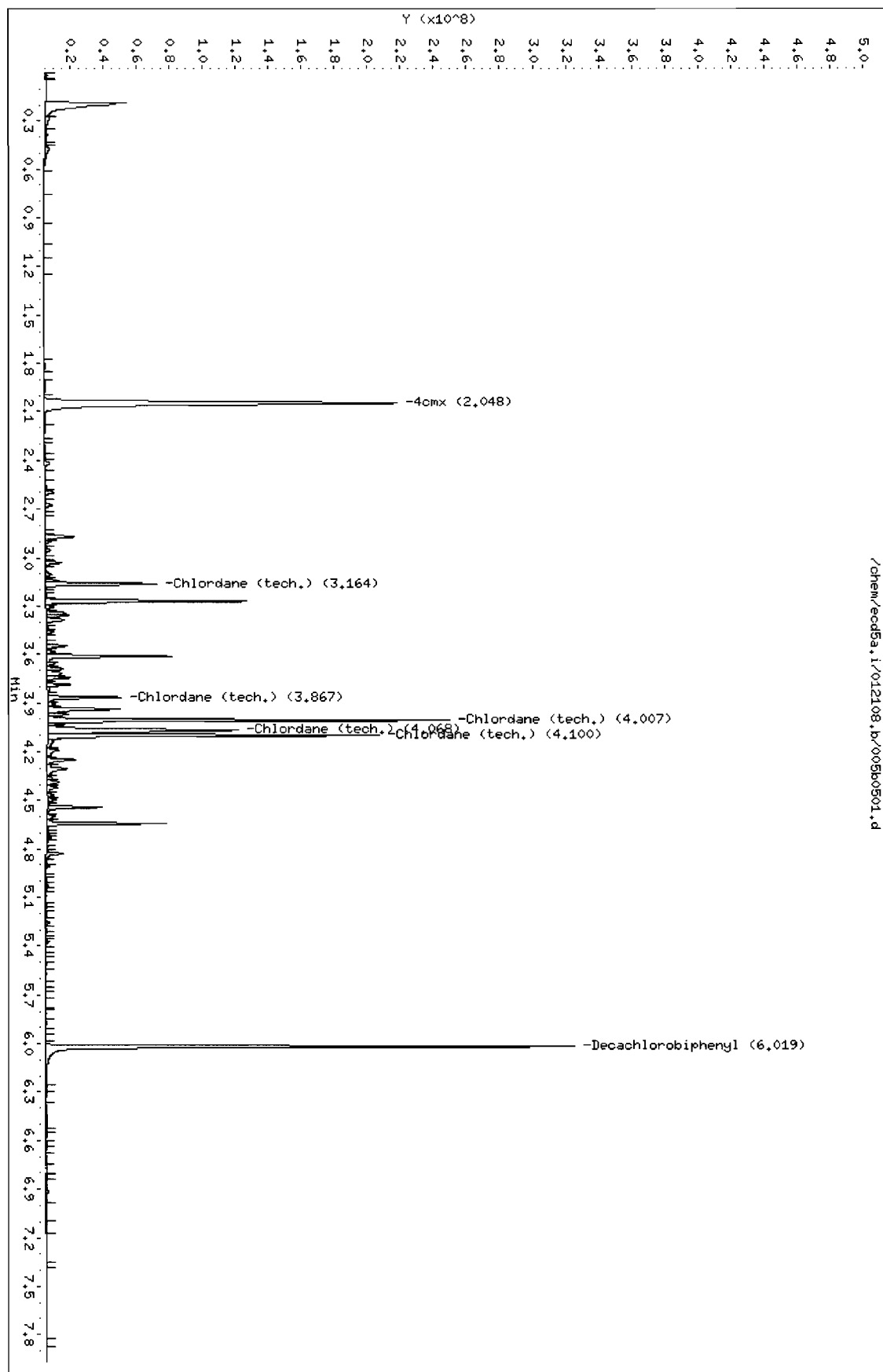
Sample Info: IMPE071211-01CHL

Column phase: CLP-2

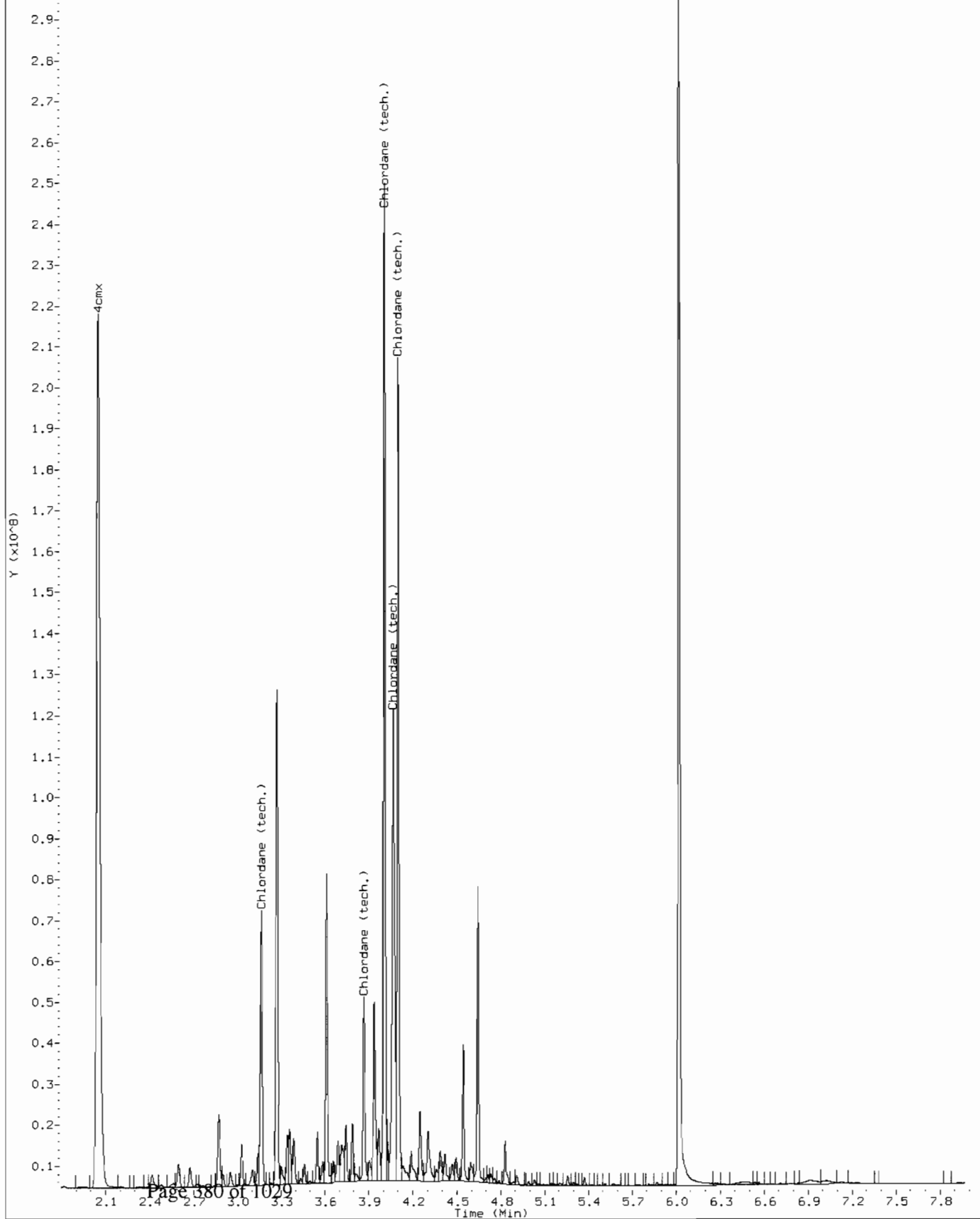
Instrument: ecdf5a.i

Operator: HXJL

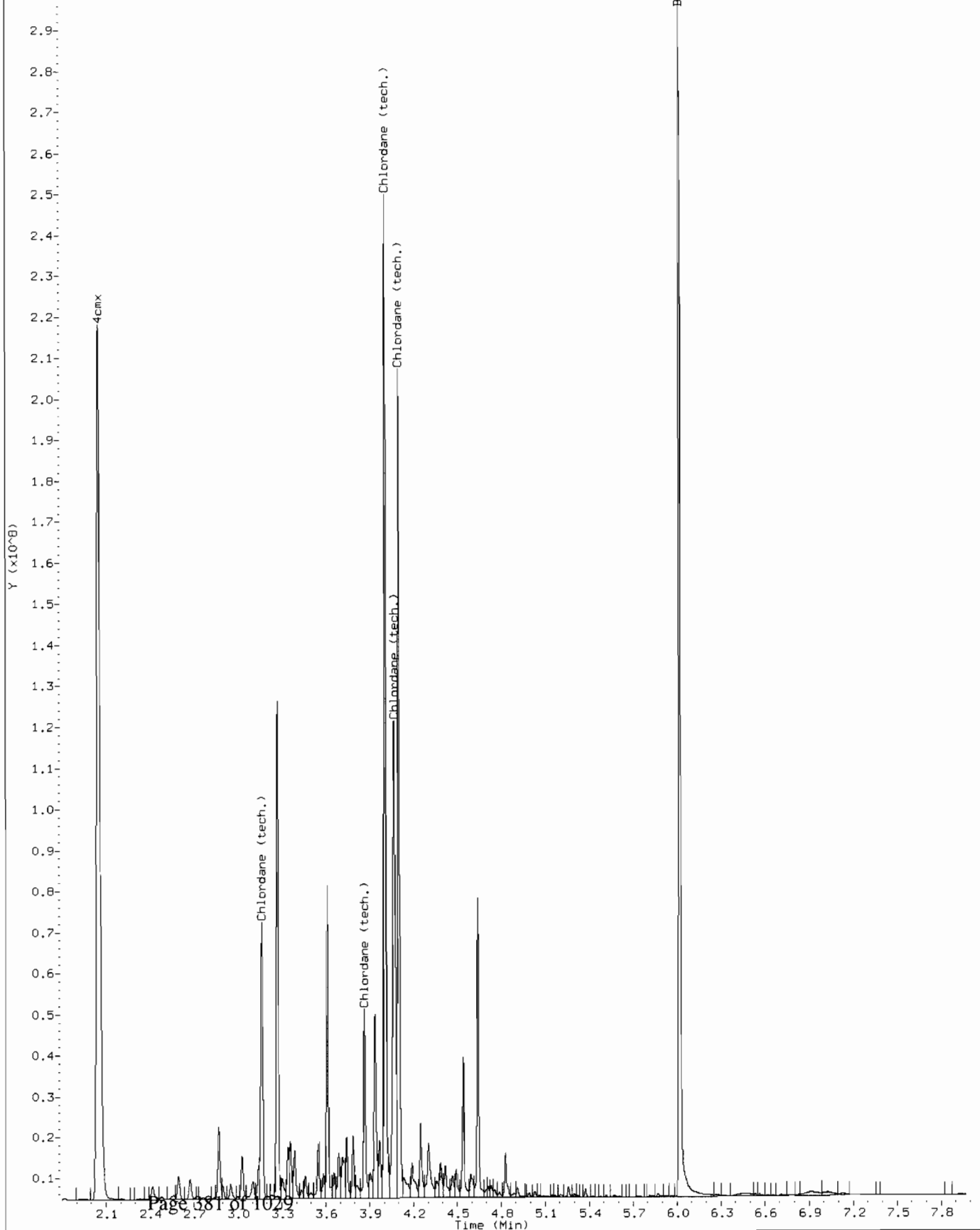
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd5a.i/012108.b/005b0501.d
Operator: HXJ1
Injection Date: 21-JAN-2008 16:46
Instrument: ecd5a.i
Client Sample ID: CHLOR01



Comment: Before manual integration
Data File: /chem/ecd5a.i/012108.b/orig-005b0501.d
Operator: HXJ1
Injection Date: 21-JAN-2008 16:46
Instrument: ecd5a.i
Client Sample ID: CHLOR01



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/012108.b/006f0601.d
Lab Smp Id: WPE071221-06AB Client Smp ID: INDAB01
Inj Date : 21-JAN-2008 16:58
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071221-06AB
Misc Info :
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
Meth Date : 22-Jan-2008 21:14 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010f1001.d
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDAB.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	RESPONSE (ug/L)	(ug/L)	=====	=====
5 alpha-BHC				CAS #: 319-84-6		
2.743	2.743	0.000	37129104 100.000	105	80.00- 120.00	100.00

7 gamma-BHC (Lindane)				CAS #: 58-89-9		
3.012	3.012	0.000	33587993 100.000	103	80.00- 120.00	100.00

12 beta-BHC				CAS #: 319-85-7		
3.089	3.089	0.000	14065412 100.000	95.3	80.00- 120.00	100.00

10 Heptachlor				CAS #: 76-44-8		
3.383	3.383	0.000	33164543 100.000	97.3	80.00- 120.00	100.00

13 delta-BHC				CAS #: 319-86-8		
3.223	3.223	0.000	33754995 100.000	104	80.00- 120.00	100.00

11 Aldrin				CAS #: 309-00-2		
3.597	3.597	0.000	33454710 100.000	102	80.00- 120.00	100.00

14 Heptachlor epoxide				CAS #: 1024-57-3		
4.006	4.006	0.000	30308291 100.000	99.6	80.00- 120.00	100.00 (M)

17 gamma-Chlordane				CAS #: 5103-74-2		
4.090	4.090	0.000	31593139 100.000	104	80.00- 120.00	100.00 (M)

18 alpha-Chlordane				CAS #: 5103-71-9		
4.175	4.175	0.000	29869290 100.000	99.0	80.00- 120.00	100.00 (M)

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE RATIO
==	=====	=====	=====	=====	=====	=====
16 Endosulfan I						
			CAS #: 959-98-8			
4.253	4.254	-0.001	33078840	100.000	114	80.00- 120.00 100.00 (M)

19 4,4'-DDE						
			CAS #: 72-55-9			
4.239	4.239	0.000	56320720	200.000	193	80.00- 120.00 100.00 (M)

20 Dieldrin						
			CAS #: 60-57-1			
4.406	4.406	0.000	60887301	200.000	199	80.00- 120.00 100.00 (M)

22 Endrin						
			CAS #: 72-20-8			
4.547	4.547	0.000	54064186	200.000	190	80.00- 120.00 100.00 (M)

25 4,4'-DDD						
			CAS #: 72-54-8			
4.604	4.604	0.000	49205939	200.000	196	80.00- 120.00 100.00 (M)

24 Endosulfan II						
			CAS #: 33213-65-9			
4.682	4.682	0.000	50614441	200.000	195	80.00- 120.00 100.00 (M)

27 Endrin aldehyde						
			CAS #: 7421-93-4			
4.931	4.931	0.000	40481750	200.000	204	80.00- 120.00 100.00 (M)

26 4,4'-DDT						
			CAS #: 50-29-3			
4.773	4.773	0.000	47869454	200.000	197	80.00- 120.00 100.00 (M)

29 Endosulfan sulfate						
			CAS #: 1031-07-8			
5.185	5.185	0.000	44513840	200.000	186	80.00- 120.00 100.00 (M)

28 Methoxychlor						
			CAS #: 72-43-5			
5.066	5.066	0.000	102161117	1000.00	851	80.00- 120.00 100.00 (M)

31 Endrin ketone						
			CAS #: 53494-70-5			
5.353	5.353	0.000	50831583	200.000	183	80.00- 120.00 100.00 (M)

\$ 1 4cmx						
			CAS #: 877-09-8			
2.212	2.212	0.000	50779888	200.000	180	80.00- 120.00 100.00

\$ 32 Decachlorobiphenyl						
			CAS #: 2051-24-3			
5.958	5.958	0.000	34150901	200.000	180	80.00- 120.00 100.00

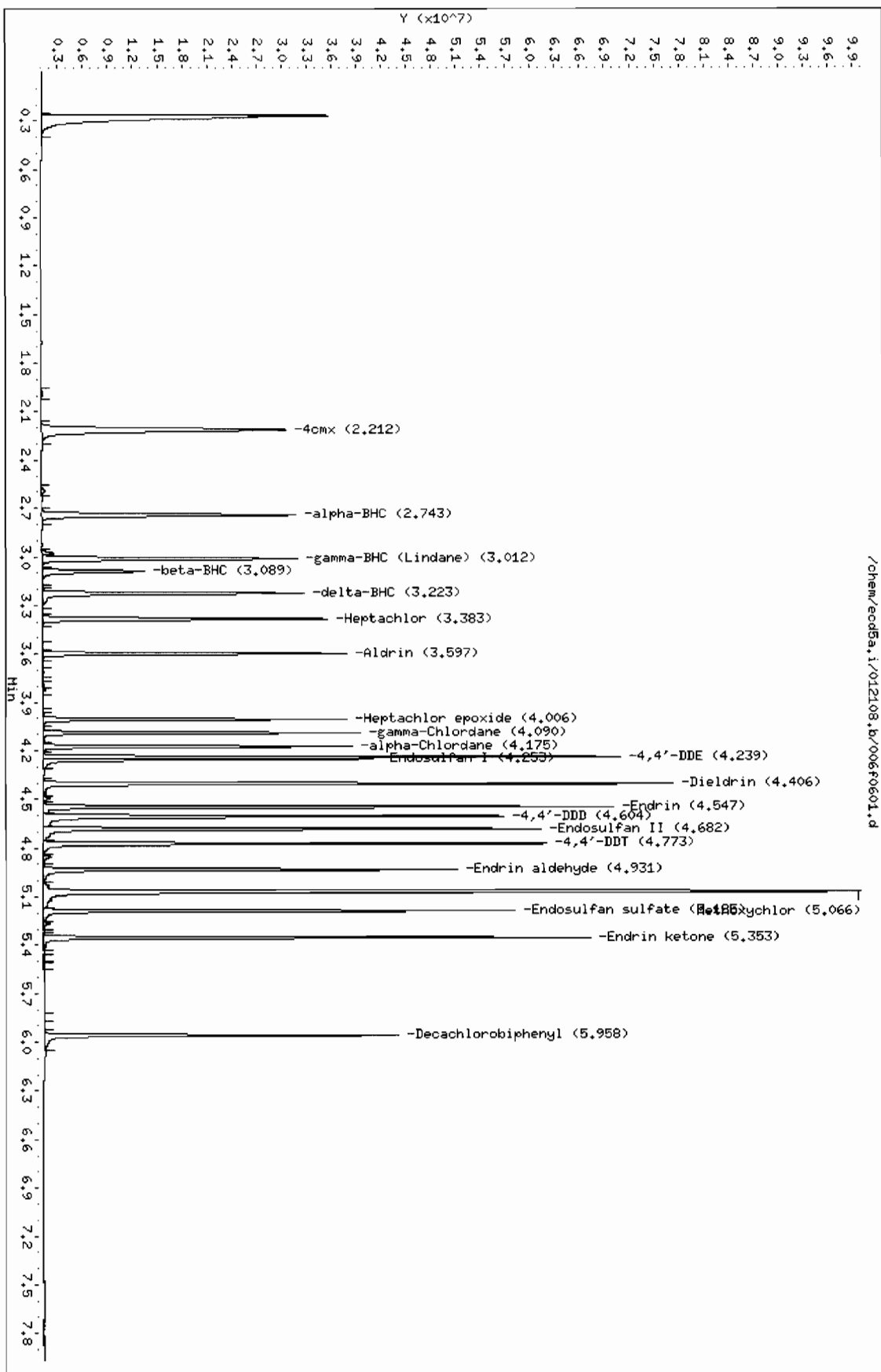
QC Flag Legend

M - Compound response manually integrated.

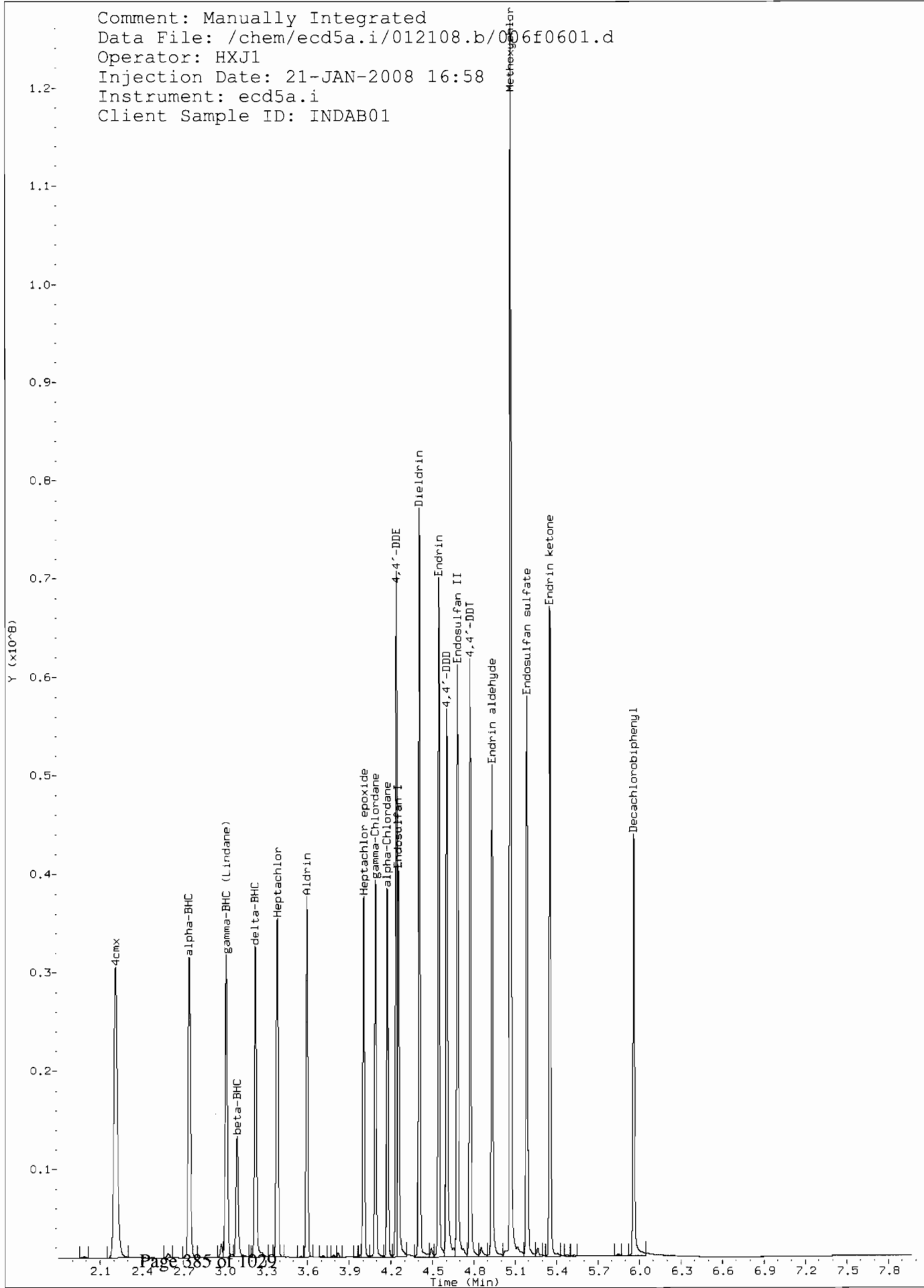
Data File: /chem/ecdf5a.i/012108.b/006f0601.d
Date : 21-JAN-2008 16:58
Client ID: INDAB01
Sample Info: IUPED071221-06AB

Column phase: CLP-1

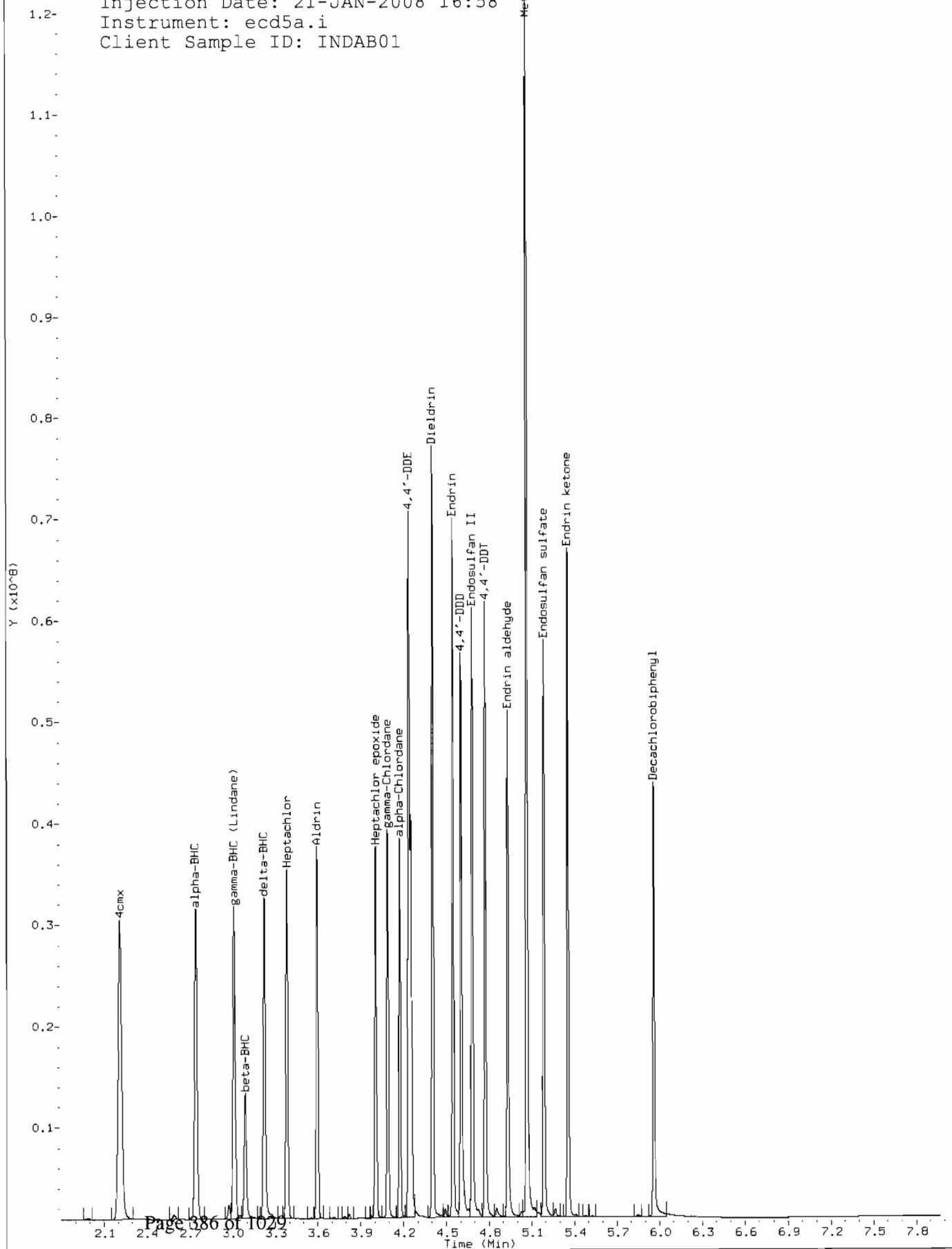
Instrument: ecdf5a.i
Operator: HKJ1
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd5a.i/012108.b/006f0601.d
Operator: HXJ1
Injection Date: 21-JAN-2008 16:58
Instrument: ecd5a.i
Client Sample ID: INDAB01



Comment: Before manual integration
Data File: /chem/ecd5a.i/012108.b/orig-006f0601.d
Operator: HXJ1
Injection Date: 21-JAN-2008 16:58
Instrument: ecd5a.i
Client Sample ID: INDAB01



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/012108.b/006b0601.d
Lab Smp Id: WPE071221-06AB Client Smp ID: INDAB01
Inj Date : 21-JAN-2008 16:58
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071221-06AB
Misc Info :
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
Meth Date : 22-Jan-2008 18:32 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010b1001.d
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDAB.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ug/L)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5 alpha-BHC					CAS #: 319-84-6		
2.649	2.649	0.000	226231630	100.000	106	80.00- 120.00	100.00

7 gamma-BHC (Lindane)					CAS #: 58-89-9		
2.946	2.946	0.000	203978966	100.000	104	80.00- 120.00	100.00

12 beta-BHC					CAS #: 319-85-7		
3.030	3.030	0.000	83797251	100.000	97.9	80.00- 120.00	100.00

10 Heptachlor					CAS #: 76-44-8		
3.272	3.272	0.000	190947509	100.000	97.4	80.00- 120.00	100.00

13 delta-BHC					CAS #: 319-86-8		
3.244	3.244	0.000	198897068	100.000	102	80.00- 120.00	100.00

11 Aldrin					CAS #: 309-00-2		
3.496	3.496	0.000	187357245	100.000	102	80.00- 120.00	100.00

14 Heptachlor epoxide					CAS #: 1024-57-3		
3.885	3.885	0.000	162571502	100.000	97.2	80.00- 120.00	100.00

17 gamma-Chlordane					CAS #: 5103-74-2		
4.008	4.008	0.000	171503112	100.000	101	80.00- 120.00	100.00

18 alpha-Chlordane					CAS #: 5103-71-9		
4.101	4.101	0.000	161787714	100.000	98.0	80.00- 120.00	100.00

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	RESPONSE (ug/L)	(ug/L)	=====	=====
16	Endosulfan I			CAS #: 959-98-8		
4.131	4.131	0.000	154168732	100.000	99.3 80.00- 120.00	100.00
19	4,4'-DDE			CAS #: 72-55-9		
4.219	4.219	0.000	327692206	200.000	197 80.00- 120.00	100.00
20	Dieldrin			CAS #: 60-57-1		
4.303	4.303	0.000	326331406	200.000	192 80.00- 120.00	100.00
22	Endrin			CAS #: 72-20-8		
4.486	4.486	0.000	282859650	200.000	184 80.00- 120.00	100.00
25	4,4'-DDD			CAS #: 72-54-8		
4.571	4.571	0.000	269137431	200.000	190 80.00- 120.00	100.00
24	Endosulfan II			CAS #: 33213-65-9		
4.617	4.617	0.000	279461597	200.000	193 80.00- 120.00	100.00
27	Endrin aldehyde			CAS #: 7421-93-4		
4.821	4.821	0.000	224563722	200.000	207 80.00- 120.00	100.00
26	4,4'-DDT			CAS #: 50-29-3		
4.756	4.756	0.000	261575009	200.000	201 80.00- 120.00	100.00
29	Endosulfan sulfate			CAS #: 1031-07-8		
4.986	4.986	0.000	254505996	200.000	190 80.00- 120.00	100.00
28	Methoxychlor			CAS #: 72-43-5		
5.164	5.164	0.000	489609901	1000.00	858 80.00- 120.00	100.00 (M)
31	Endrin ketone			CAS #: 53494-70-5		
5.295	5.295	0.000	277466821	200.000	184 80.00- 120.00	100.00
\$ 1	4cmx			CAS #: 877-09-8		
2.048	2.048	0.000	312212587	200.000	183 80.00- 120.00	100.00
\$ 32	Decachlorobiphenyl			CAS #: 2051-24-3		
6.018	6.018	0.000	261828827	200.000	171 80.00- 120.00	100.00 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecod5a.i/012108.b/006b0601.d

Date: 21-JAN-2008 16:58

Client ID: INDAB01

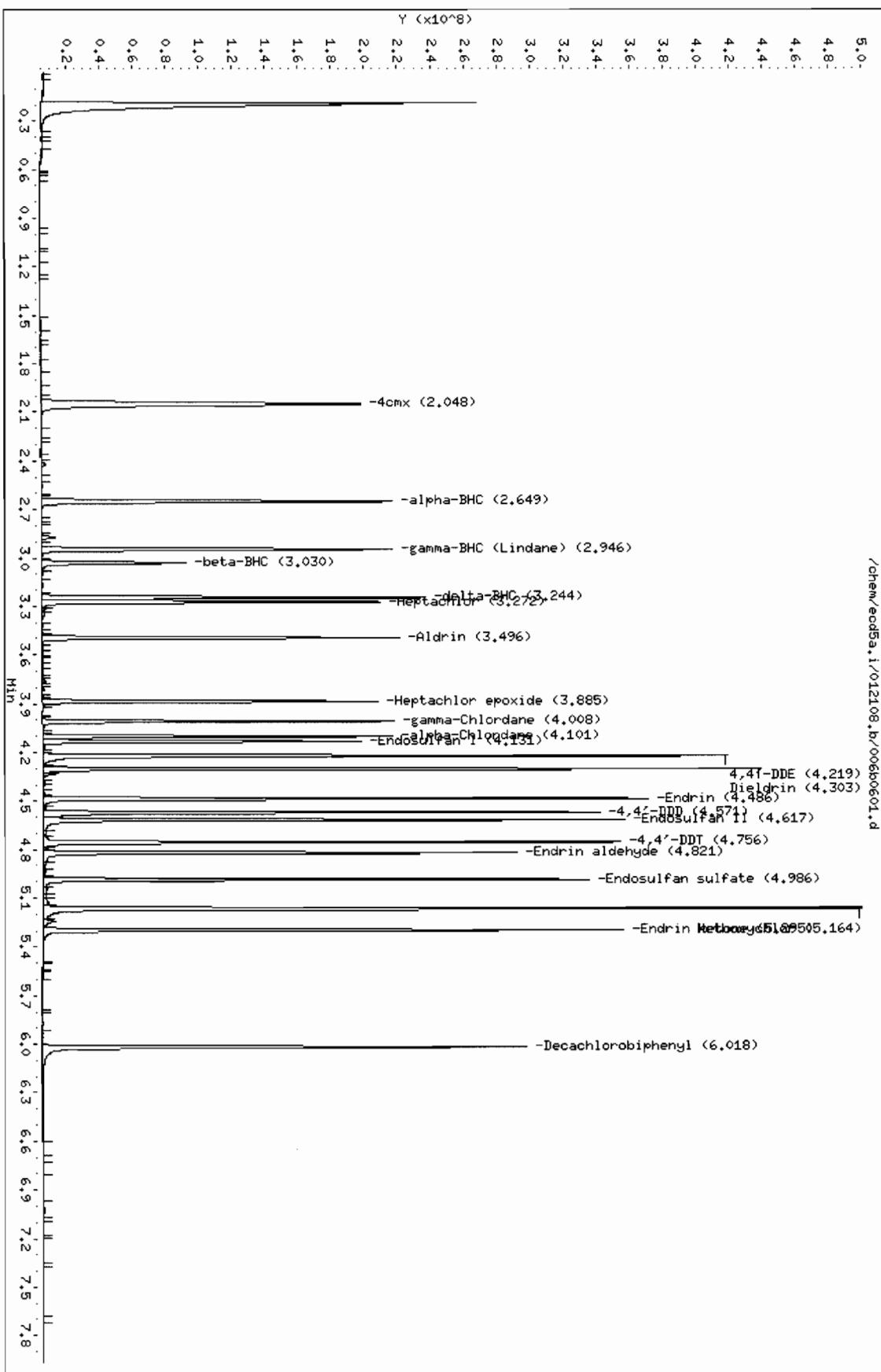
Sample Info: IUPED71221-06AB

Column phase: CLP-2

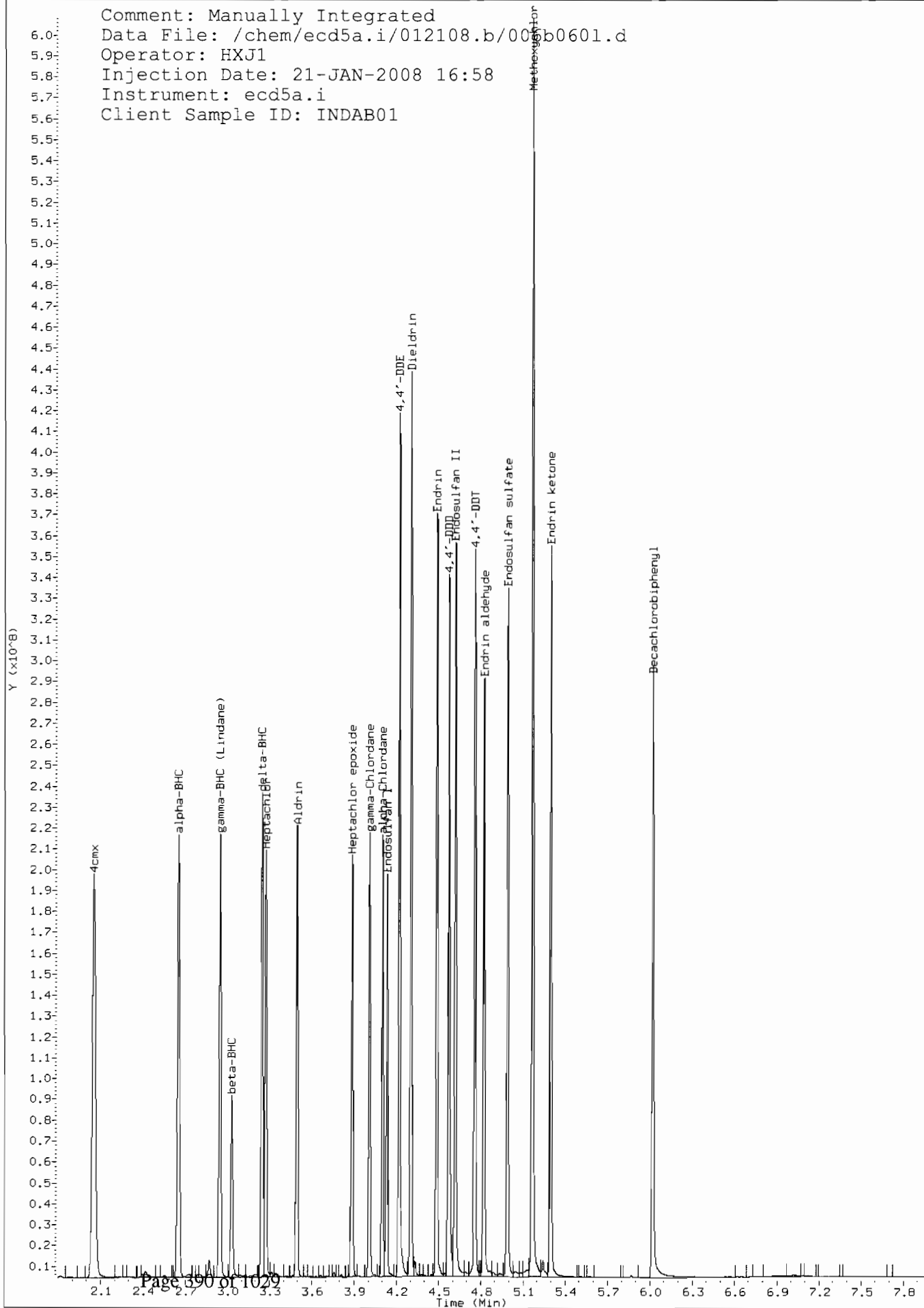
Instrument: ecod5a.i

Operator: HKJM

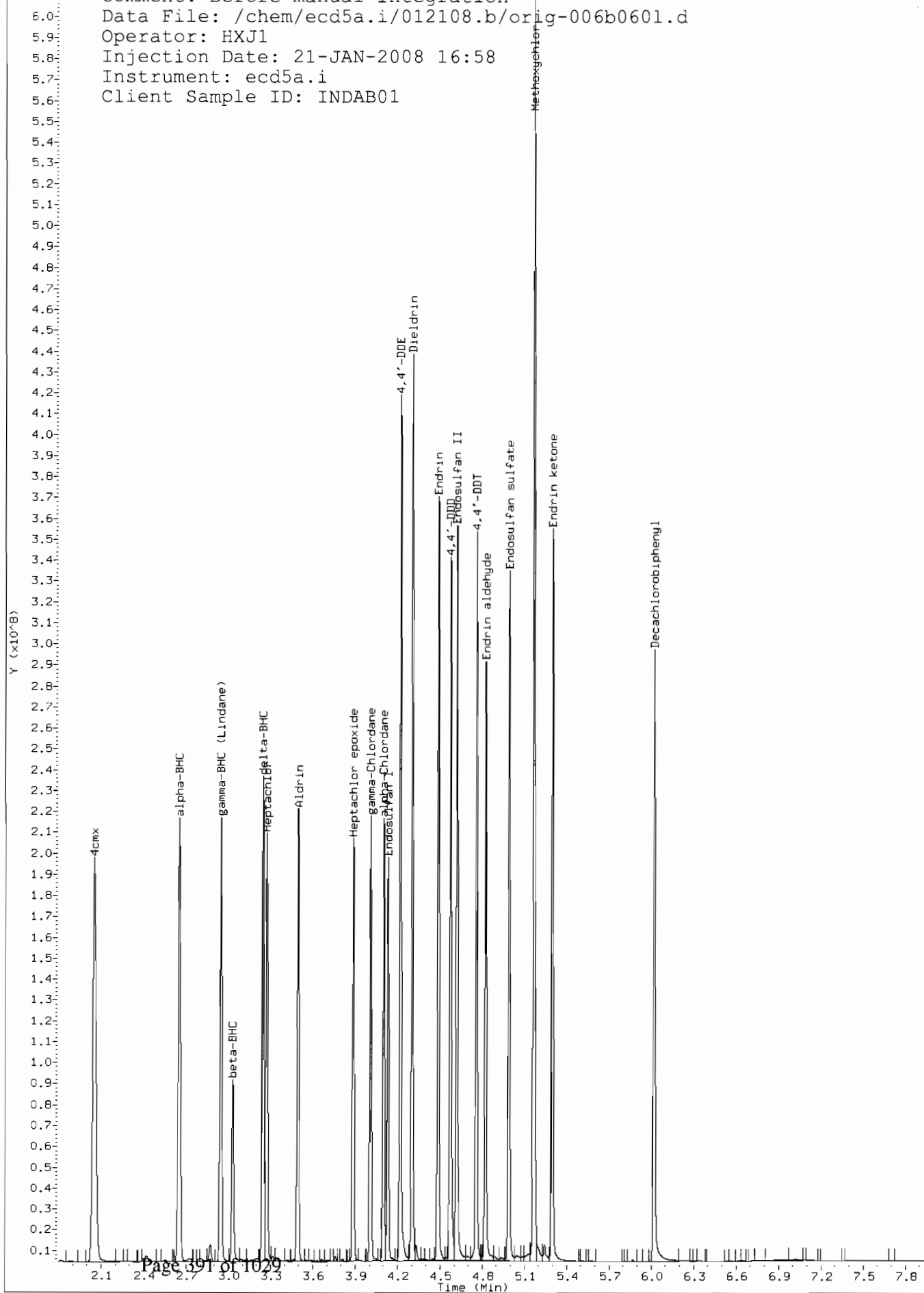
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd5a.i/012108.b/000b0601.d
Operator: HXJ1
Injection Date: 21-JAN-2008 16:58
Instrument: ecd5a.i
Client Sample ID: INDAB01



Comment: Before manual integration
Data File: /chem/ecd5a.i/012108.b/orig-006b0601.d
Operator: HXJ1
Injection Date: 21-JAN-2008 16:58
Instrument: ecd5a.i
Client Sample ID: INDAB01



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/012108.b/016f1601.d
Lab Smp Id: WPE071221-06AB Client Smp ID: INDAB02
Inj Date : 21-JAN-2008 18:55
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071221-06AB
Misc Info :
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
Meth Date : 22-Jan-2008 21:14 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010f1001.d
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDAB.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
5 alpha-BHC					CAS #: 319-84-6		
2.743	2.743	0.000	38077902	100.000	108	80.00- 120.00	100.00

7 gamma-BHC (Lindane)					CAS #: 58-89-9		
3.012	3.012	0.000	34425650	100.000	105	80.00- 120.00	100.00

12 beta-BHC					CAS #: 319-85-7		
3.090	3.089	0.001	14354703	100.000	97.3	80.00- 120.00	100.00

10 Heptachlor					CAS #: 76-44-8		
3.383	3.383	0.000	33623596	100.000	98.7	80.00- 120.00	100.00

13 delta-BHC					CAS #: 319-86-8		
3.224	3.223	0.001	34459764	100.000	106	80.00- 120.00	100.00

11 Aldrin					CAS #: 309-00-2		
3.596	3.597	-0.001	34135716	100.000	104	80.00- 120.00	100.00

14 Heptachlor epoxide					CAS #: 1024-57-3		
4.006	4.006	0.000	30389904	100.000	99.8	80.00- 120.00	100.00

17 gamma-Chlordane					CAS #: 5103-74-2		
4.091	4.090	0.001	31417736	100.000	103	80.00- 120.00	100.00

18 alpha-Chlordane					CAS #: 5103-71-9		
4.176	4.175	0.001	29955606	100.000	99.3	80.00- 120.00	100.00

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	RESPONSE (ug/L)	(ug/L)	=====	=====
16 Endosulfan I						
4.255	4.254	0.001	31266117	100.000	108 80.00- 120.00	100.00 (M)

19 4,4'-DDE						
4.241	4.239	0.002	57990944	200.000	199 80.00- 120.00	100.00 (M)

20 Dieldrin						
4.406	4.406	0.000	61127630	200.000	200 80.00- 120.00	100.00

22 Endrin						
4.548	4.547	0.001	54683645	200.000	192 80.00- 120.00	100.00

25 4,4'-DDD						
4.605	4.604	0.001	49890937	200.000	198 80.00- 120.00	100.00

24 Endosulfan II						
4.682	4.682	0.000	50949349	200.000	197 80.00- 120.00	100.00

27 Endrin aldehyde						
4.932	4.931	0.001	40934906	200.000	206 80.00- 120.00	100.00

26 4,4'-DDT						
4.773	4.773	0.000	48613236	200.000	200 80.00- 120.00	100.00

29 Endosulfan sulfate						
5.186	5.185	0.001	45552284	200.000	190 80.00- 120.00	100.00

28 Methoxychlor						
5.066	5.066	0.000	103493417	1000.00	862 80.00- 120.00	100.00

31 Endrin ketone						
5.354	5.353	0.001	52352429	200.000	189 80.00- 120.00	100.00

\$ 1 4cmx						
2.211	2.212	-0.001	52412020	200.000	186 80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl						
5.959	5.958	0.001	36643063	200.000	194 80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecdf5a.i/012108.b/016f1601.d

Date : 21-JAN-2008 18:55

Client ID: INDAB02

Sample Info: IMPE071221-06AB

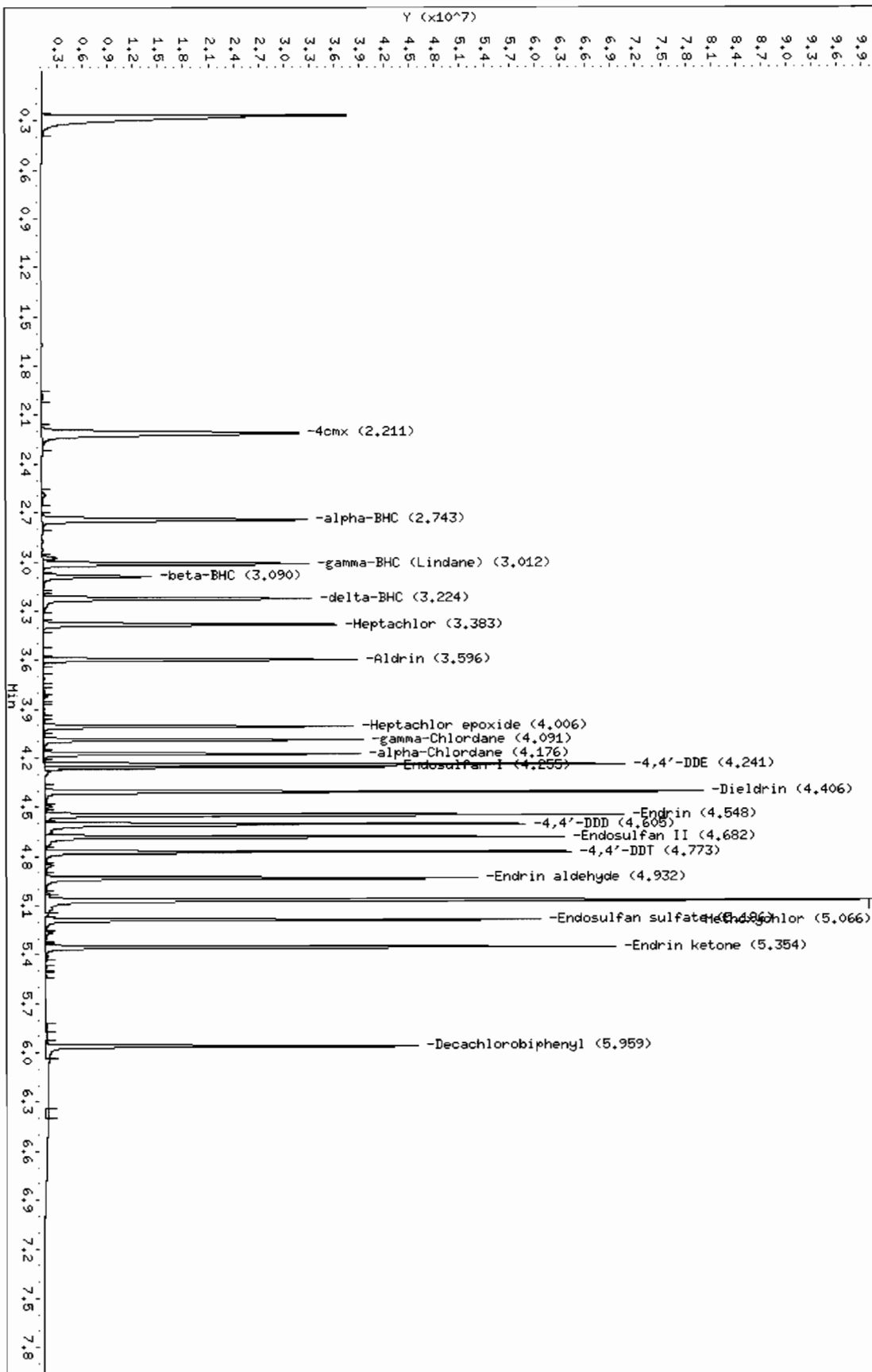
Column phase: CLP-1

Instrument: ecdf5a.i

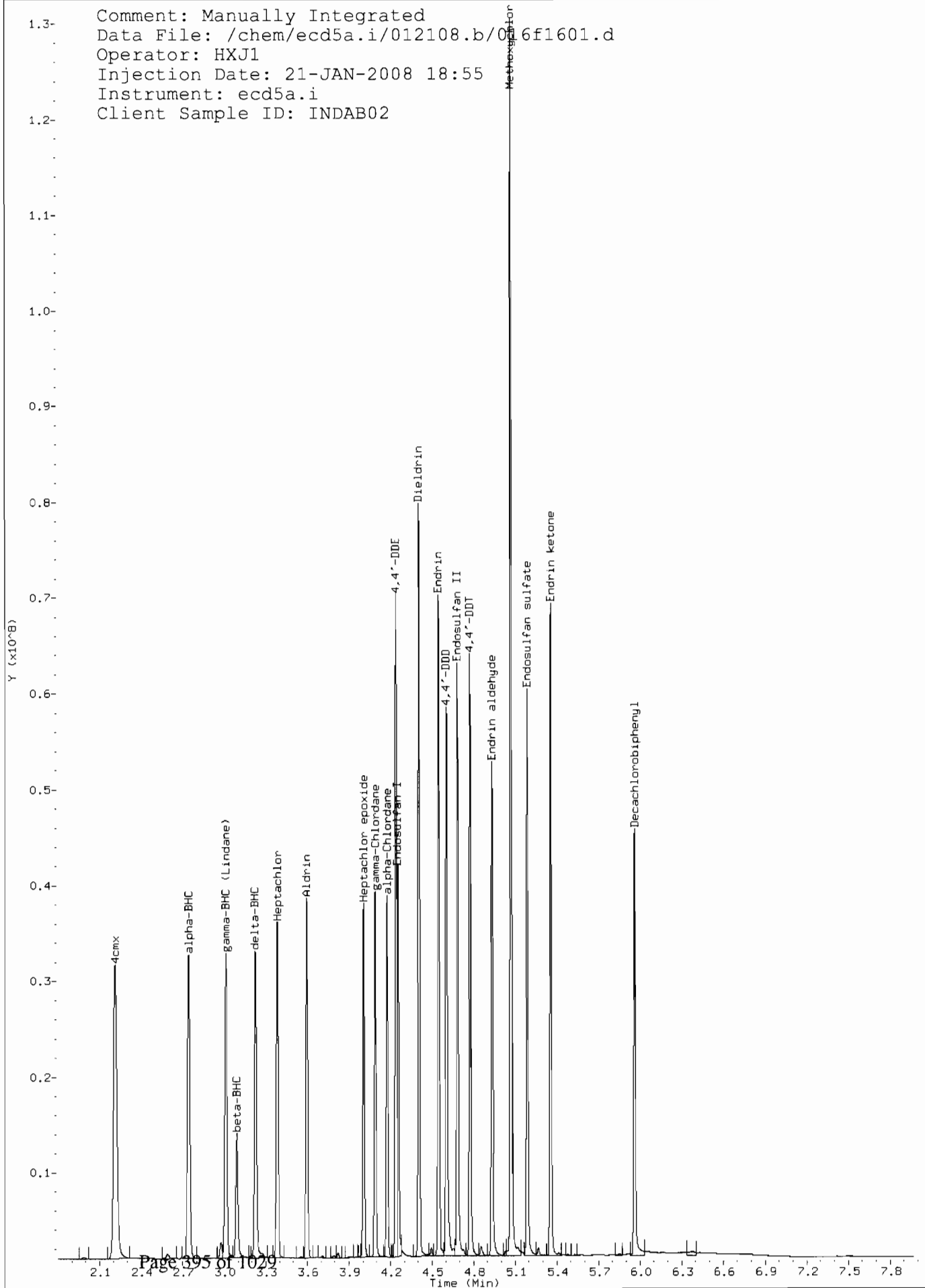
Operator: HKJ1

Column diameter: 0.25

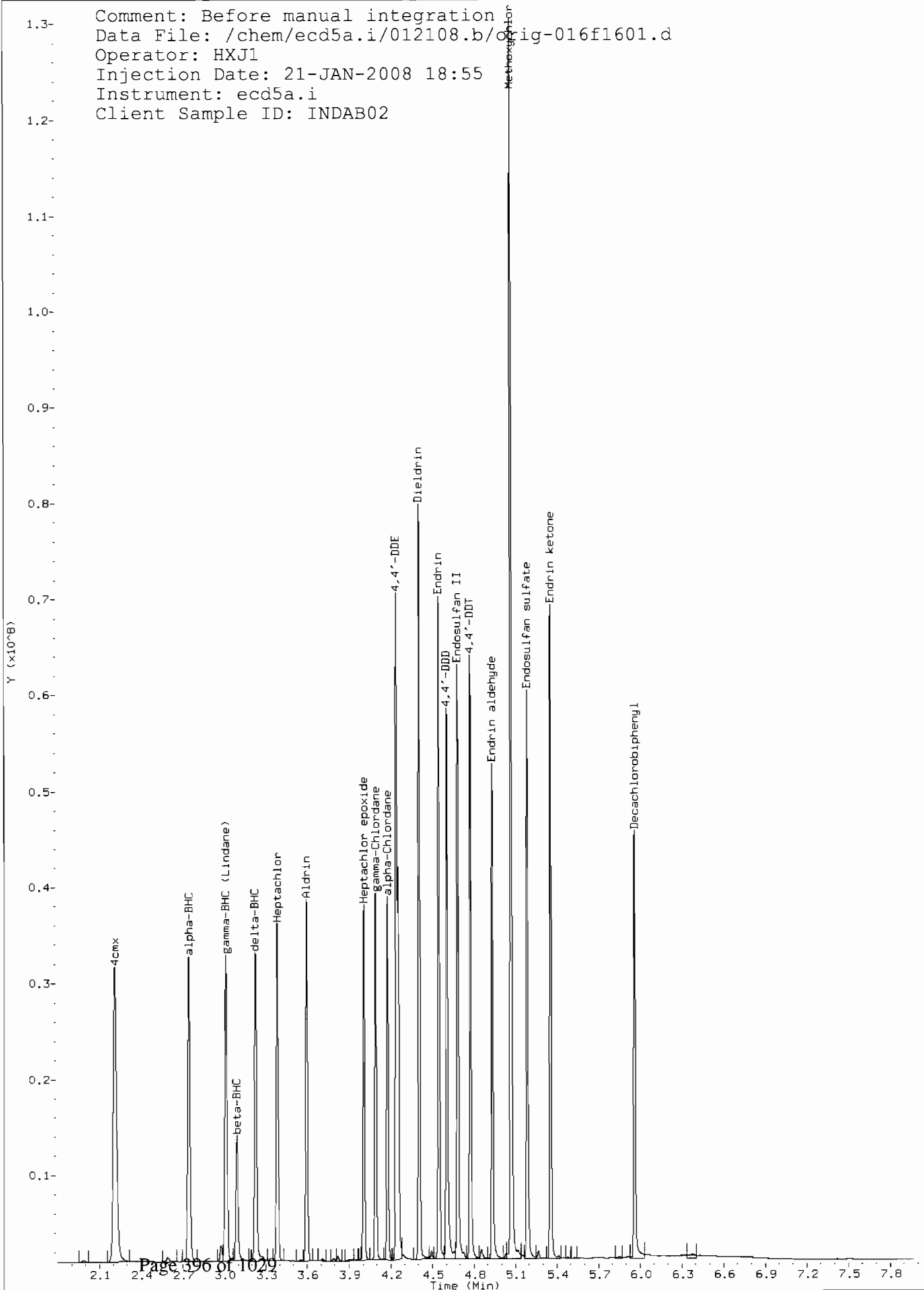
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Comment: Manually Integrated
Data File: /chem/ecd5a.i/012108.b/016f1601.d
Operator: HXJ1
Injection Date: 21-JAN-2008 18:55
Instrument: ecd5a.i
Client Sample ID: INDAB02



Comment: Before manual integration
Data File: /chem/ecd5a.i/012108.b/orig-016f1601.d
Operator: HXJ1
Injection Date: 21-JAN-2008 18:55
Instrument: ecd5a.i
Client Sample ID: INDAB02



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/012108.b/016b1601.d
Lab Smp Id: WPE071221-06AB Client Smp ID: INDAB02
Inj Date : 21-JAN-2008 18:55
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |WPE071221-06AB
Misc Info :
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
Meth Date : 22-Jan-2008 18:32 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010b1001.d
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDAB.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	RESPONSE (ug/L)	(ug/L)	=====	=====
5 alpha-BHC				CAS #: 319-84-6		
2.650	2.649	0.001	223177224 100.000	104	80.00- 120.00	100.00
7 gamma-BHC (Lindane)				CAS #: 58-89-9		
2.946	2.946	0.000	201347078 100.000	103	80.00- 120.00	100.00
12 beta-BHC				CAS #: 319-85-7		
3.031	3.030	0.001	81202737 100.000	94.9	80.00- 120.00	100.00
10 Heptachlor				CAS #: 76-44-8		
3.272	3.272	0.000	188071041 100.000	96.0	80.00- 120.00	100.00
13 delta-BHC				CAS #: 319-86-8		
3.245	3.244	0.001	195684446 100.000	100	80.00- 120.00	100.00
11 Aldrin				CAS #: 309-00-2		
3.496	3.496	0.000	185465743 100.000	102	80.00- 120.00	100.00
14 Heptachlor epoxide				CAS #: 1024-57-3		
3.886	3.885	0.001	160718126 100.000	96.1	80.00- 120.00	100.00
17 gamma-Chlordane				CAS #: 5103-74-2		
4.009	4.008	0.001	169172959 100.000	99.3	80.00- 120.00	100.00
18 alpha-Chlordane				CAS #: 5103-71-9		
4.101	4.101	0.000	159517790 100.000	96.7	80.00- 120.00	100.00

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	RESPONSE (ug/L)	(ug/L)	=====	=====
16 Endosulfan I						
4.132	4.131	0.001	152190680 100.000	CAS #: 959-98-8 98.1	80.00- 120.00	100.00
19 4,4'-DDE						
4.220	4.219	0.001	325641423 200.000	CAS #: 72-55-9 196	80.00- 120.00	100.00
20 Dieldrin						
4.303	4.303	0.000	322024980 200.000	CAS #: 60-57-1 189	80.00- 120.00	100.00
22 Endrin						
4.486	4.486	0.000	269700896 200.000	CAS #: 72-20-8 176	80.00- 120.00	100.00
25 4,4'-DDD						
4.571	4.571	0.000	268341814 200.000	CAS #: 72-54-8 190	80.00- 120.00	100.00
24 Endosulfan II						
4.617	4.617	0.000	271480992 200.000	CAS #: 33213-65-9 187	80.00- 120.00	100.00
27 Endrin aldehyde						
4.821	4.821	0.000	218234288 200.000	CAS #: 7421-93-4 201	80.00- 120.00	100.00
26 4,4'-DDT						
4.756	4.756	0.000	263041677 200.000	CAS #: 50-29-3 202	80.00- 120.00	100.00
29 Endosulfan sulfate						
4.986	4.986	0.000	250265222 200.000	CAS #: 1031-07-8 187	80.00- 120.00	100.00
28 Methoxychlor						
5.164	5.164	0.000	489552396 1000.00	CAS #: 72-43-5 857	80.00- 120.00	100.00 (M)
31 Endrin ketone						
5.296	5.295	0.001	273300854 200.000	CAS #: 53494-70-5 181	80.00- 120.00	100.00
\$ 1 4cmx						
2.049	2.048	0.001	308071787 200.000	CAS #: 877-09-8 180	80.00- 120.00	100.00
\$ 32 Decachlorobiphenyl						
6.019	6.018	0.001	252274901 200.000	CAS #: 2051-24-3 165	80.00- 120.00	100.00

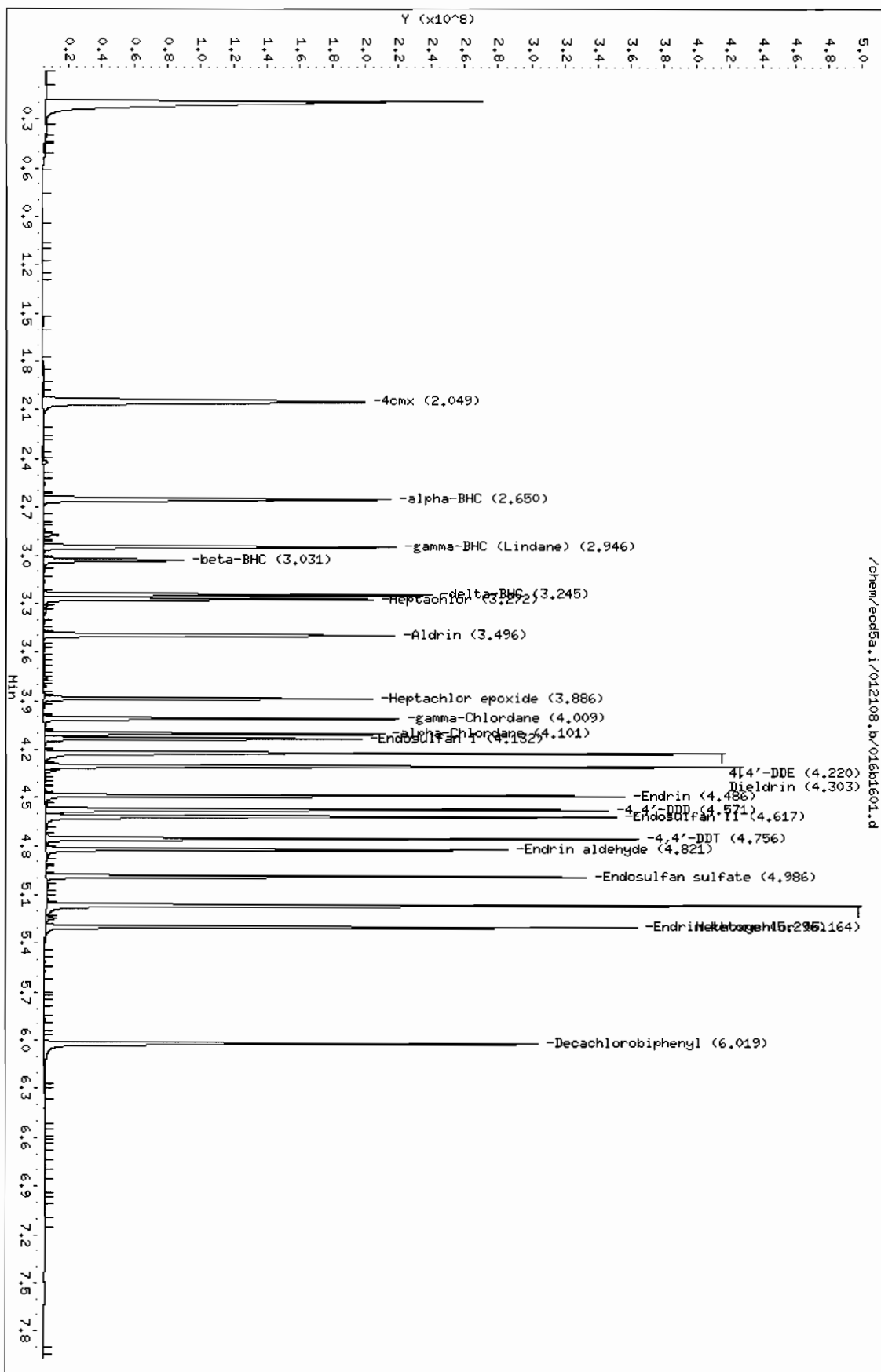
QC Flag Legend

M - Compound response manually integrated.

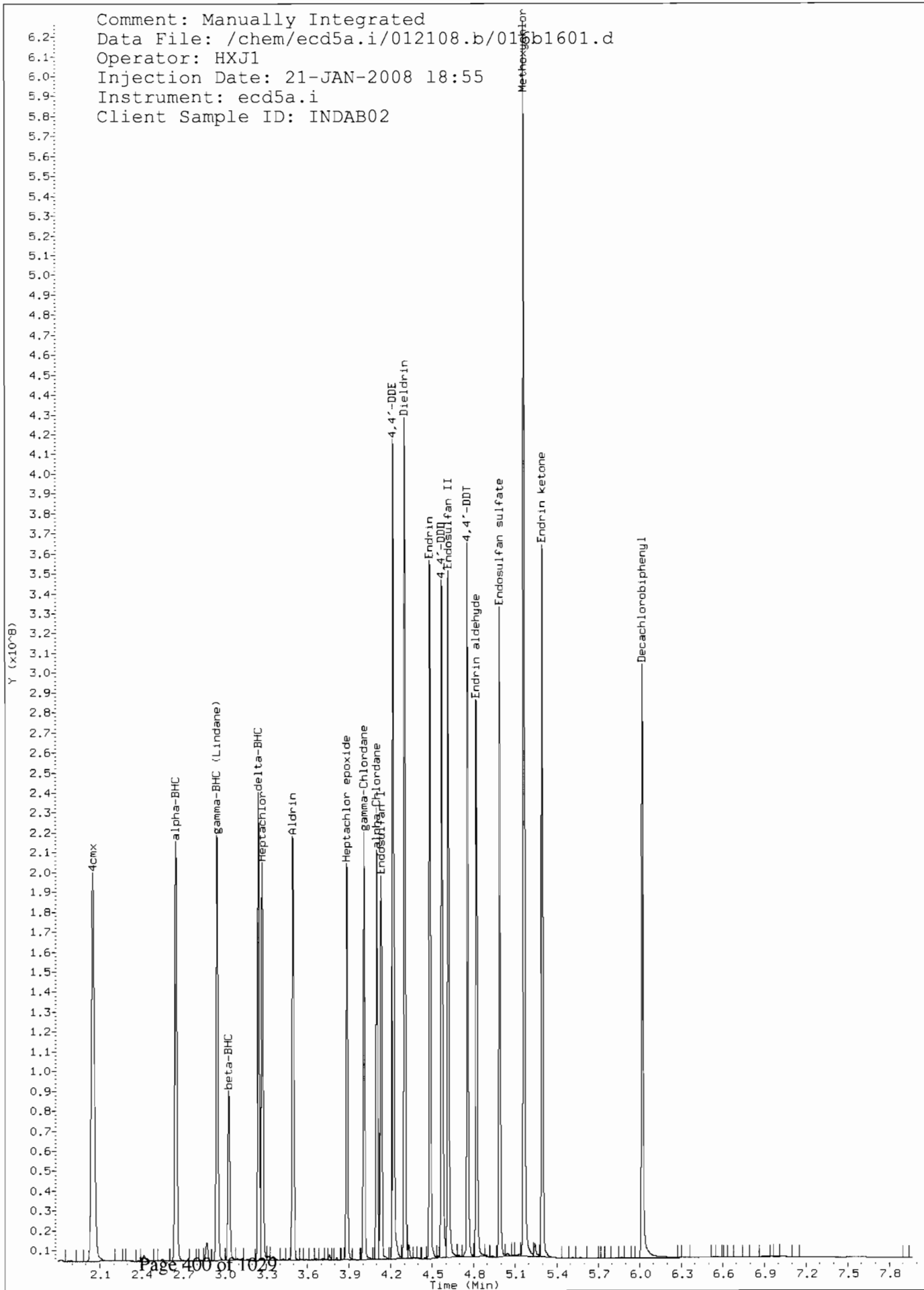
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Date: 21-JAN-2008 18:55
Client ID: INDA802
Sample Info: IMPE071221-060B

Column Phase: CLP-2

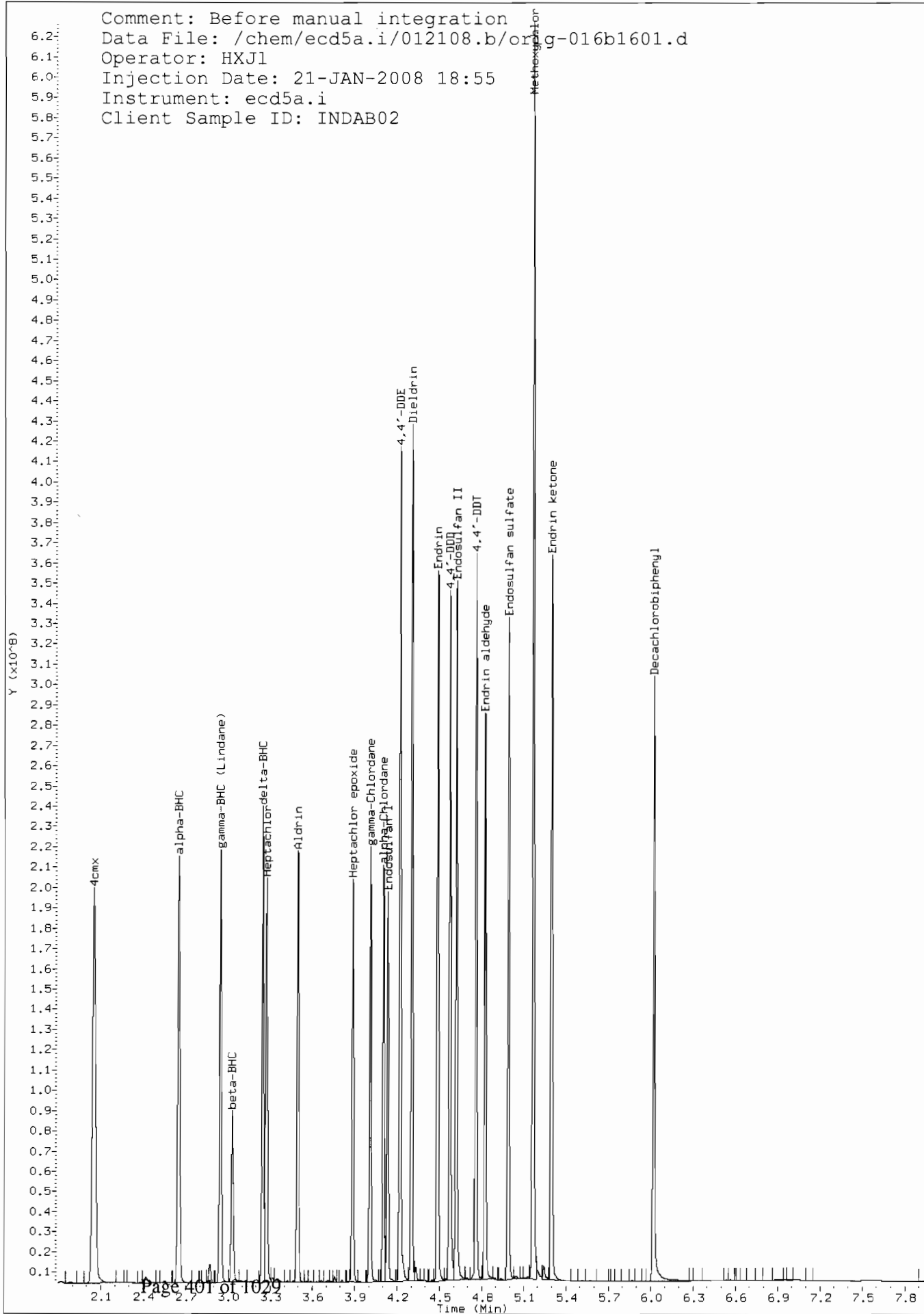
Instrument: ecd5a.i
Operator: HKJL
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd5a.i/012108.b/012108b1601.d
Operator: HXJ1
Injection Date: 21-JAN-2008 18:55
Instrument: ecd5a.i
Client Sample ID: INDAB02



Comment: Before manual integration
Data File: /chem/ecd5a.i/012108.b/orig-016b1601.d
Operator: HXJ1
Injection Date: 21-JAN-2008 18:55
Instrument: ecd5a.i
Client Sample ID: INDAB02



GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/012108.b/021f2101.d
 Lab Smp Id: WPE071221-06AB Client Smp ID: INDAB03
 Inj Date : 21-JAN-2008 19:53
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |WPE071221-06AB
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
 Meth Date : 22-Jan-2008 21:14 hea01125 Quant Type: ESTD
 Cal Date : 18-JAN-2008 21:19 Cal File: 010fl001.d
 Als bottle: 21 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: INDAB.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----
5 alpha-BHC						
2.743	2.743	0.000	38962475 100.000	110	80.00- 120.00	100.00

7 gamma-BHC (Lindane)						
3.013	3.012	0.001	35393475 100.000	108	80.00- 120.00	100.00

12 beta-BHC						
3.090	3.089	0.001	14744460 100.000	99.9	80.00- 120.00	100.00

10 Heptachlor						
3.383	3.383	0.000	34816771 100.000	102	80.00- 120.00	100.00

13 delta-BHC						
3.224	3.223	0.001	35287187 100.000	108	80.00- 120.00	100.00

11 Aldrin						
3.598	3.597	0.001	34735223 100.000	106	80.00- 120.00	100.00

14 Heptachlor epoxide						
4.007	4.006	0.001	31188657 100.000	102	80.00- 120.00	100.00

17 gamma-Chlordane						
4.091	4.090	0.001	32123615 100.000	106	80.00- 120.00	100.00

18 alpha-Chlordane						
4.177	4.175	0.002	30679140 100.000	102	80.00- 120.00	100.00

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	RESPONSE (ug/L)	(ug/L)	=====	=====	=====
16 Endosulfan I							
4.255	4.254	0.001	31495851	100.000	108 80.00- 120.00	100.00	(M)

19 4,4'-DDE							
4.241	4.239	0.002	59692549	200.000	205 80.00- 120.00	100.00	(M)

20 Dieldrin							
4.407	4.406	0.001	62955888	200.000	206 80.00- 120.00	100.00	

22 Endrin							
4.548	4.547	0.001	56816358	200.000	199 80.00- 120.00	100.00	

25 4,4'-DDD							
4.605	4.604	0.001	51875394	200.000	206 80.00- 120.00	100.00	

24 Endosulfan II							
4.683	4.682	0.001	52415755	200.000	202 80.00- 120.00	100.00	

27 Endrin aldehyde							
4.933	4.931	0.002	42121469	200.000	212 80.00- 120.00	100.00	

26 4,4'-DDT							
4.773	4.773	0.000	51421040	200.000	212 80.00- 120.00	100.00	

29 Endosulfan sulfate							
5.187	5.185	0.002	47070974	200.000	197 80.00- 120.00	100.00	

28 Methoxychlor							
5.068	5.066	0.002	109890001	1000.00	915 80.00- 120.00	100.00	

31 Endrin ketone							
5.354	5.353	0.001	54320601	200.000	196 80.00- 120.00	100.00	

\$ 1 4cmx							
2.212	2.212	0.000	53311295	200.000	189 80.00- 120.00	100.00	

\$ 32 Decachlorobiphenyl							
5.960	5.958	0.002	32998552	200.000	174 80.00- 120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecdf5a.i/012108.b/021f2101.d

Date : 21-JAN-2008 19:53

Client ID: INDAB03

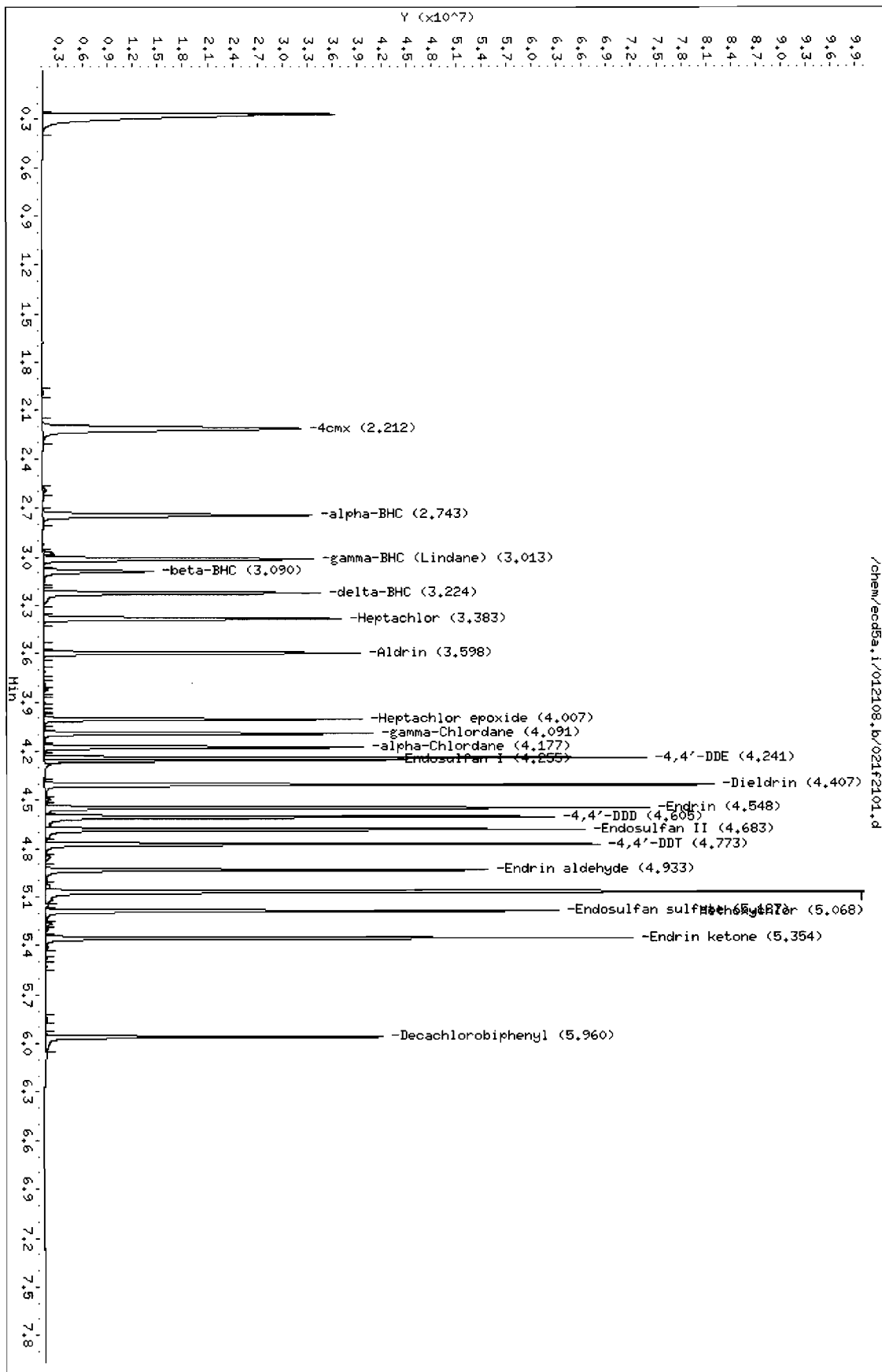
Sample Info: IMPE071221-06AB

Column phase: CLP-1

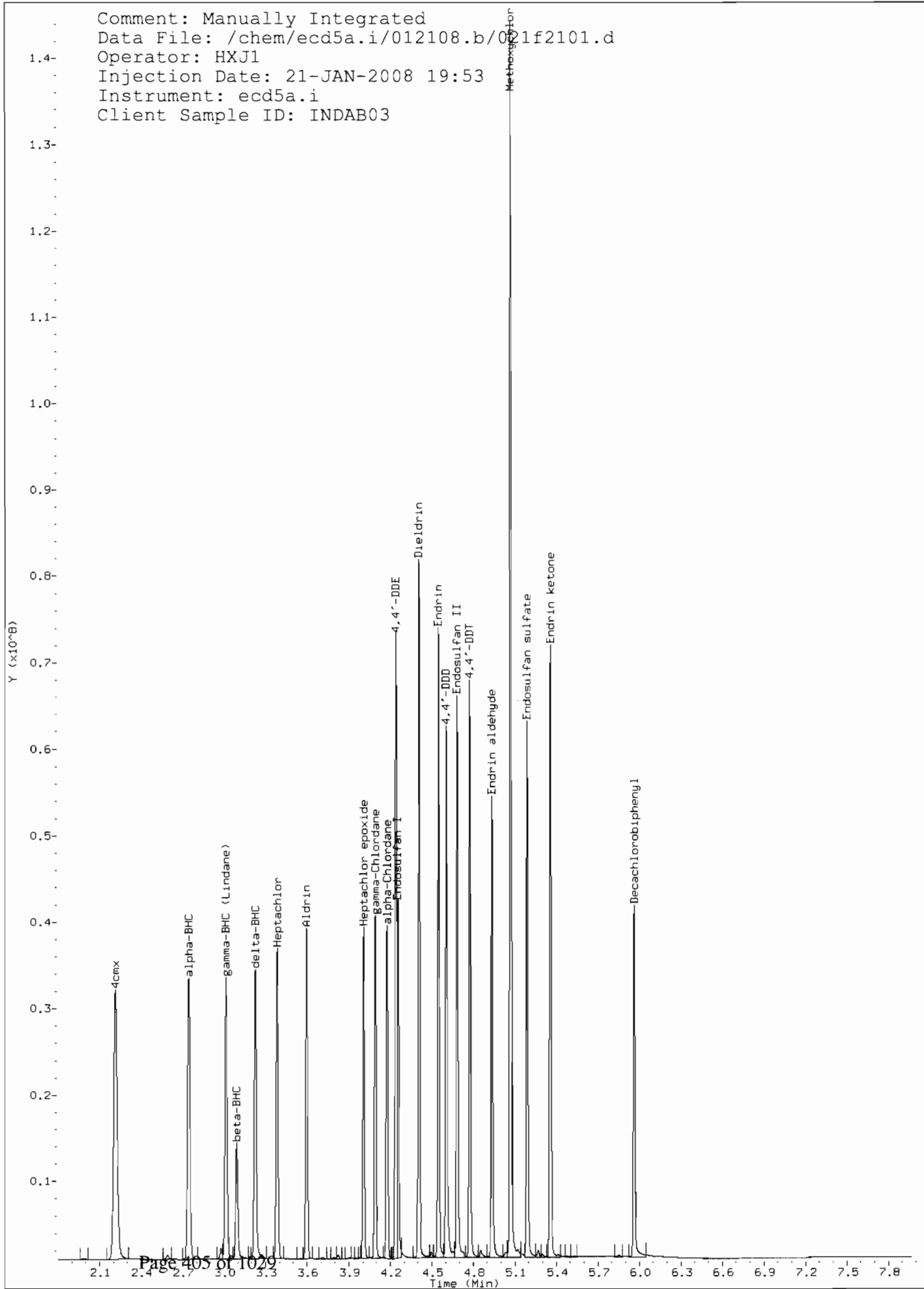
Instrument: ecdf5a.i

Operator: HKJ1

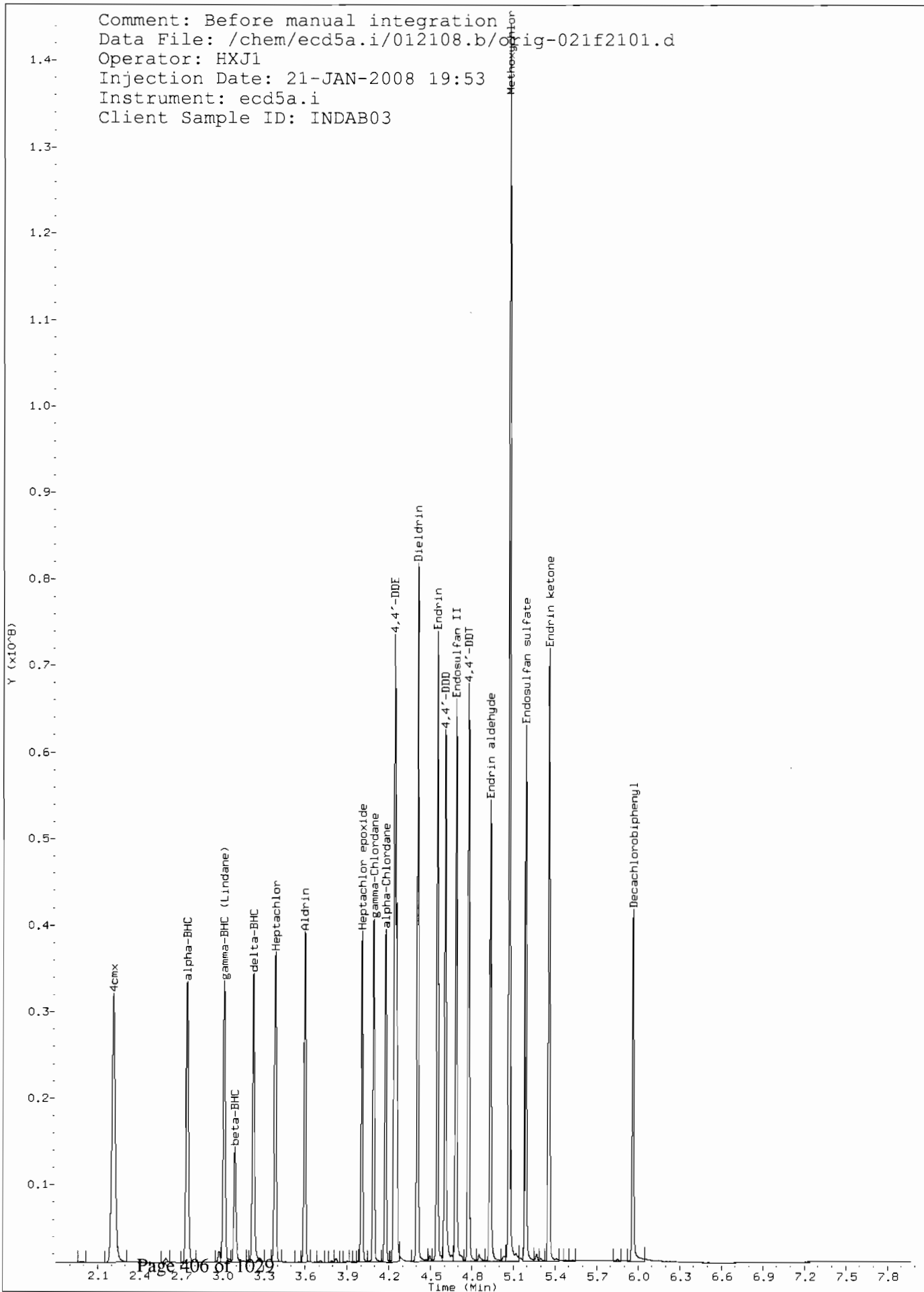
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd5a.i/012108.b/0021f2101.d
Operator: HXJ1
Injection Date: 21-JAN-2008 19:53
Instrument: ecd5a.i
Client Sample ID: INDAB03



Comment: Before manual integration
Data File: /chem/ecd5a.i/012108.b/orig-021f2101.d
Operator: HXJ1
Injection Date: 21-JAN-2008 19:53
Instrument: ecd5a.i
Client Sample ID: INDAB03



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/012108.b/021b2101.d
 Lab Smp Id: WPE071221-06AB Client Smp ID: INDAB03
 Inj Date : 21-JAN-2008 19:53
 Operator : HXJ1 Inst ID: ecd5a.i
 Smp Info : |WPE071221-06AB
 Misc Info :
 Comment :
 Method : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
 Meth Date : 22-Jan-2008 18:32 hea01125 Quant Type: ESTD
 Cal Date : 18-JAN-2008 21:19 Cal File: 010b1001.d
 Als bottle: 21 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: INDAB.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	RESPONSE (ug/L)	(ug/L)	=====	=====
5 alpha-BHC CAS #: 319-84-6						
2.651	2.649	0.002	234227448 100.000	109	80.00- 120.00	100.00

7 gamma-BHC (Lindane) CAS #: 58-89-9						
2.948	2.946	0.002	212805760 100.000	109	80.00- 120.00	100.00

12 beta-BHC CAS #: 319-85-7						
3.031	3.030	0.001	87256411 100.000	102	80.00- 120.00	100.00

10 Heptachlor CAS #: 76-44-8						
3.273	3.272	0.001	199300837 100.000	102	80.00- 120.00	100.00

13 delta-BHC CAS #: 319-86-8						
3.245	3.244	0.001	206352699 100.000	106	80.00- 120.00	100.00

11 Aldrin CAS #: 309-00-2						
3.497	3.496	0.001	195078861 100.000	107	80.00- 120.00	100.00

14 Heptachlor epoxide CAS #: 1024-57-3						
3.887	3.885	0.002	172243173 100.000	103	80.00- 120.00	100.00

17 gamma-Chlordane CAS #: 5103-74-2						
4.009	4.008	0.001	178264785 100.000	105	80.00- 120.00	100.00

18 alpha-Chlordane CAS #: 5103-71-9						
4.102	4.101	0.001	167410943 100.000	101	80.00- 120.00	100.00

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
16 Endosulfan I			CAS #: 959-98-8				
4.133	4.131	0.002	159728997	100.000	103	80.00- 120.00	100.00

19 4,4'-DDE			CAS #: 72-55-9				
4.220	4.219	0.001	340180216	200.000	205	80.00- 120.00	100.00

20 Dieldrin			CAS #: 60-57-1				
4.304	4.303	0.001	334544429	200.000	197	80.00- 120.00	100.00

22 Endrin			CAS #: 72-20-8				
4.488	4.486	0.002	266624592	200.000	174	80.00- 120.00	100.00

25 4,4'-DDD			CAS #: 72-54-8				
4.572	4.571	0.001	282706246	200.000	200	80.00- 120.00	100.00

24 Endosulfan II			CAS #: 33213-65-9				
4.618	4.617	0.001	280298997	200.000	193	80.00- 120.00	100.00

27 Endrin aldehyde			CAS #: 7421-93-4				
4.822	4.821	0.001	225969875	200.000	208	80.00- 120.00	100.00

26 4,4'-DDT			CAS #: 50-29-3				
4.757	4.756	0.001	279256948	200.000	215	80.00- 120.00	100.00

29 Endosulfan sulfate			CAS #: 1031-07-8				
4.988	4.986	0.002	262273684	200.000	196	80.00- 120.00	100.00

28 Methoxychlor			CAS #: 72-43-5				
5.165	5.164	0.001	513792164	1000.00	900	80.00- 120.00	100.00

31 Endrin ketone			CAS #: 53494-70-5				
5.297	5.295	0.002	288546784	200.000	191	80.00- 120.00	100.00

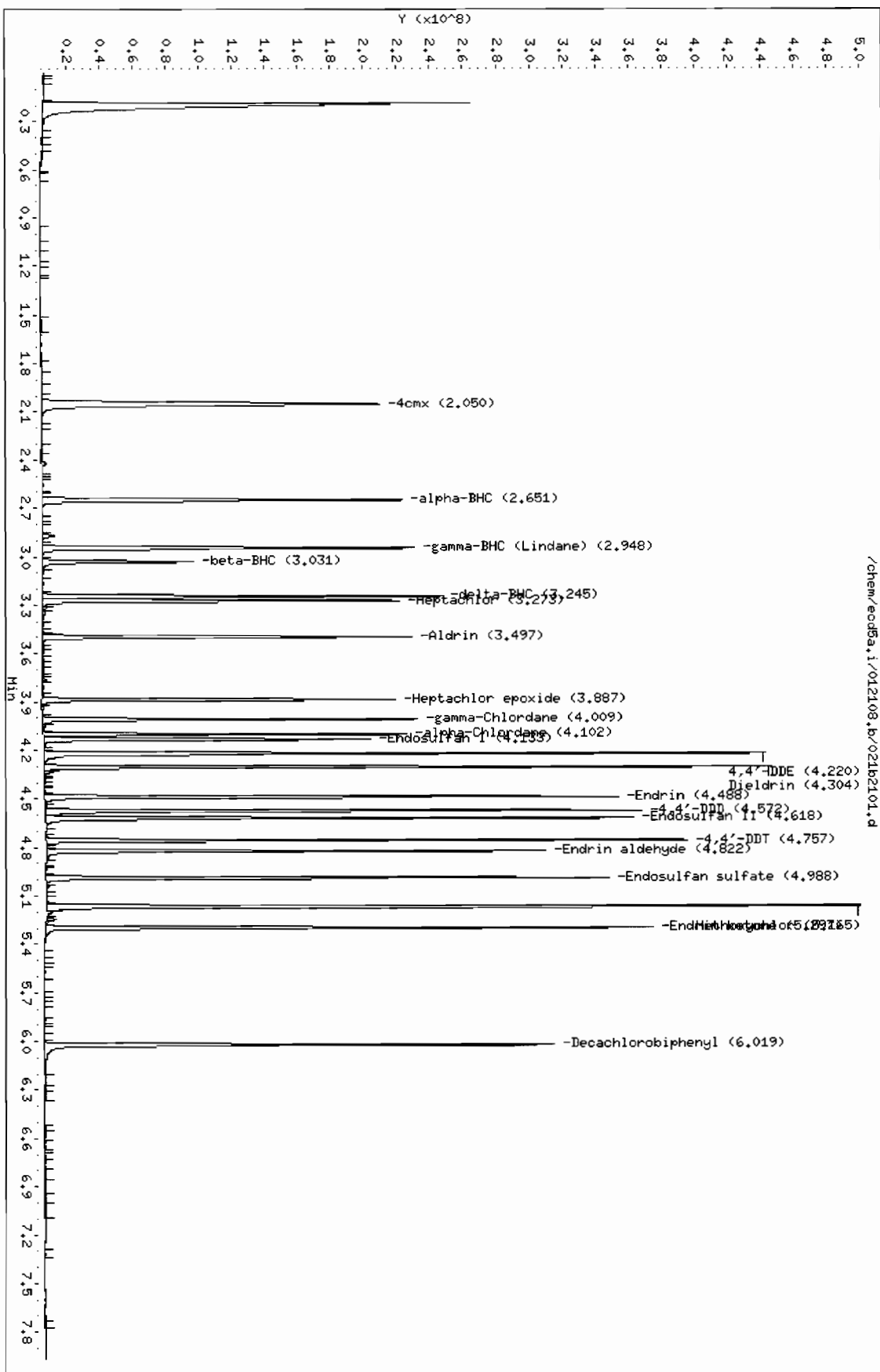
\$ 1 4cmx			CAS #: 877-09-8				
2.050	2.048	0.002	319336372	200.000	187	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl			CAS #: 2051-24-3				
6.019	6.018	0.001	260007746	200.000	170	80.00- 120.00	100.00

Data File: /chem/ecdf5a.i/012108.b/021b2101.d
 Date: 21-JAN-2008 19:53
 Client ID: INDA803
 Sample Info: IUPAC071221-06AB

Column phase: CLP-2

Instrument: ecdf5a.i
 Operator: HKJ1
 Column diameter: 0.25



8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP-1 ID: 0.25 (mm) Init. Calib. Date(s): 12/20/07 12/20/07

Instrument ID: ECD5A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
S1 : 2.23				DCB: 5.97			
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	DCB RT	#
01	PIBLK01	WAR071022-99	12/19/07	2305	2.23	5.97	
02	PEM01	WPE071119-07	12/19/07	2317	2.23	5.97	
03	ZZZZZ	ZZZZZ	12/19/07	2328	2.23	5.98	
04	ZZZZZ	ZZZZZ	12/19/07	2340	2.23	5.98	
05	ZZZZZ	ZZZZZ	12/19/07	2352	2.23	5.98	
06	ZZZZZ	ZZZZZ	12/20/07	0004	2.23	5.98	
07	ZZZZZ	ZZZZZ	12/20/07	0015	2.23	5.98	
08	AR125401	WAR071205-54	12/20/07	0027	2.23	5.97	
09	AR124201	WAR071105-42	12/20/07	0039	2.23	5.98	
10	AR124801	WAR070926-48	12/20/07	0050	2.23	5.98	
11	AR123201	WAR071205-32	12/20/07	0102	2.23	5.98	
12	AR122101	WAR071022-21	12/20/07	0114	2.23	5.98	
13	TOXAPH01	WPE071023-12	12/20/07	0126	2.23	5.98	
14	TOXAPH02	WPE071023-13	12/20/07	0137	2.23	5.98	
15	TOXAPH03	WPE071023-14	12/20/07	0149	2.23	5.98	
16	TOXAPH04	WPE071023-15	12/20/07	0201	2.23	5.98	
17	TOXAPH05	IPE071018-19	12/20/07	0212	2.23	5.98	
18	TOXAPH01	WPE071211-19	12/20/07	0224	2.23	5.98	
19	CHLOR01	WPE071023-05	12/20/07	0236	2.23	5.98	
20	CHLOR02	WPE071023-06	12/20/07	0248	2.23	5.98	
21	CHLOR03	WPE071023-07	12/20/07	0259	2.23	5.98	
22	CHLOR04	WPE071023-08	12/20/07	0311	2.23	5.98	
23	CHLOR05	IPE071011-01	12/20/07	0323	2.23	5.98	
24	CHLOR01	WPE071211-01	12/20/07	0335	2.23	5.98	
25	GAPA01	WPE071212-15	12/20/07	0346	2.23	5.98	
26	GAPA02	WPE071212-16	12/20/07	0358	2.23	5.98	
27	GAPA03	WPE071212-17	12/20/07	0410	2.23	5.98	
28	GAPA04	WPE071212-18	12/20/07	0421	2.23	5.98	
29	GAPA05	IPE071213-02	12/20/07	0433	2.23	5.98	
30	GAPA01	WPE071128-19	12/20/07	0445	2.23	5.97	
31	INDAB01	WPE071207-14	12/20/07	0456	2.23	5.98	
32	INDAB02	WPE071207-15	12/20/07	0508	2.23	5.98	

QC LIMITS

S1 = 4cmx (+/- 0.03 MINUTES)

DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP-1 ID: 0.25 (mm) Init. Calib. Date(s): 12/20/07 12/20/07

Instrument ID: ECD5A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
S1 : 2.23		DCB: 5.97			
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	DCB RT #
01	INDAB03	WPE071207-16	12/20/07	0520	2.23 5.98
02	INDAB04	WPE071207-17	12/20/07	0532	2.23 5.98
03	INDAB05	IPE071204-06	12/20/07	0543	2.23 5.98
04	INDAB01	WPE071204-06	12/20/07	0555	2.23 5.97
05	AR166001	WAR071213-17	12/20/07	0607	2.23 5.98
06	AR166002	WAR071213-18	12/20/07	0618	2.23 5.98
07	AR166003	WAR071213-19	12/20/07	0630	2.23 5.98
08	AR166004	WAR071213-20	12/20/07	0642	2.23 5.97
09	AR166005	IAR071130-01	12/20/07	0653	2.23 5.98
10	AR166001	WAR071127-60	12/20/07	0705	2.23 5.97
11	PEM02	WPE071119-07	12/20/07	0717	2.23 5.97
12	PIBLK02	WAR071022-99	12/20/07	0729	2.23 5.97
13	ZZZZZ	ZZZZZ	12/20/07	0740	2.23 5.98
14	ZZZZZ	ZZZZZ	12/20/07	0752	2.23 5.98
15	ZZZZZ	ZZZZZ	12/20/07	0804	2.23 5.97
16	ZZZZZ	ZZZZZ	12/20/07	0815	2.23 5.98
17	ZZZZZ	ZZZZZ	12/20/07	0827	2.23 5.97
18	ZZZZZ	ZZZZZ	12/20/07	0839	2.23 5.97
19	ZZZZZ	ZZZZZ	12/20/07	0850	2.23 5.98
20	ZZZZZ	ZZZZZ	12/20/07	0902	2.23 5.97
21	INDAB02	WPE071204-06	12/20/07	0914	2.23 5.98
22	PIBLK03	WAR071022-99	12/20/07	0926	2.23 5.98
23	ZZZZZ	ZZZZZ	12/20/07	0937	2.23 5.97
24	ZZZZZ	ZZZZZ	12/20/07	0949	2.23 5.98
25	ZZZZZ	ZZZZZ	12/20/07	1001	2.23 5.97
26	ZZZZZ	ZZZZZ	12/20/07	1012	2.23 5.97
27	ZZZZZ	ZZZZZ	12/20/07	1024	2.23 5.97
28	ZZZZZ	ZZZZZ	12/20/07	1036	2.23 5.97
29	ZZZZZ	ZZZZZ	12/20/07	1048	2.22 5.97
30	INDAB03	WPE071204-06	12/20/07	1059	2.23 5.97
31	PIBLK04	WAR071022-99	12/20/07	1111	2.23 5.97
32	ZZZZZ	ZZZZZ	12/20/07	1123	2.23 5.97

QC LIMITS

S1 = 4cmx (+/- 0.03 MINUTES)

DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

page 2 of 2

FORM VIII SV

OLM03.0

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP-2 ID: 0.25 (mm) Init. Calib. Date(s): 12/20/07 12/20/07

Instrument ID: ECD5A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
S1 : 2.06			DCB: 6.03		
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	DCB RT #
01	PIBLK01	WAR071022-99	12/19/07	2.07	6.03
02	PEM01	WPE071119-07	12/19/07	2.06	6.03
03	ZZZZZ	ZZZZZ	12/19/07	2.07	6.03
04	ZZZZZ	ZZZZZ	12/19/07	2.07	6.03
05	ZZZZZ	ZZZZZ	12/19/07	2.07	6.03
06	ZZZZZ	ZZZZZ	12/20/07	2.07	6.03
07	ZZZZZ	ZZZZZ	12/20/07	2.07	6.03
08	AR125401	WAR071205-54	12/20/07	2.07	6.03
09	AR124201	WAR071105-42	12/20/07	2.07	6.03
10	AR124801	WAR070926-48	12/20/07	2.06	6.03
11	AR123201	WAR071205-32	12/20/07	2.07	6.03
12	AR122101	WAR071022-21	12/20/07	2.07	6.03
13	TOXAPH01	WPE071023-12	12/20/07	2.07	6.03
14	TOXAPH02	WPE071023-13	12/20/07	2.07	6.03
15	TOXAPH03	WPE071023-14	12/20/07	2.07	6.03
16	TOXAPH04	WPE071023-15	12/20/07	2.07	6.03
17	TOXAPH05	IPE071018-19	12/20/07	2.07	6.03
18	TOXAPH01	WPE071211-19	12/20/07	2.07	6.03
19	CHLOR01	WPE071023-05	12/20/07	2.07	6.03
20	CHLOR02	WPE071023-06	12/20/07	2.07	6.03
21	CHLOR03	WPE071023-07	12/20/07	2.07	6.03
22	CHLOR04	WPE071023-08	12/20/07	2.07	6.03
23	CHLOR05	IPE071011-01	12/20/07	2.08	6.03
24	CHLOR01	WPE071211-01	12/20/07	2.07	6.03
25	GAPA01	WPE071212-15	12/20/07	2.07	6.03
26	GAPA02	WPE071212-16	12/20/07	2.07	6.03
27	GAPA03	WPE071212-17	12/20/07	2.07	6.03
28	GAPA04	WPE071212-18	12/20/07	2.07	6.03
29	GAPA05	IPE071213-02	12/20/07	2.07	6.03
30	GAPA01	WPE071128-19	12/20/07	2.06	6.03
31	INDAB01	WPE071207-14	12/20/07	2.07	6.03
32	INDAB02	WPE071207-15	12/20/07	2.07	6.03

QC LIMITS
S1 = 4cmx (+/- 0.03 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP-2 ID: 0.25 (mm) Init. Calib. Date(s): 12/20/07 12/20/07

Instrument ID: ECD5A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
S1 : 2.06			DCB: 6.03			
EPA	LAB	DATE	TIME	S1	DCB	
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT	RT	#
=====	=====	=====	=====	=====	=====	=====
01	INDAB03	WPE071207-16	12/20/07	0520	2.07	6.03
02	INDAB04	WPE071207-17	12/20/07	0532	2.06	6.03
03	INDAB05	IPE071204-06	12/20/07	0543	2.06	6.03
04	INDAB01	WPE071204-06	12/20/07	0555	2.06	6.03
05	AR166001	WAR071213-17	12/20/07	0607	2.06	6.03
06	AR166002	WAR071213-18	12/20/07	0618	2.06	6.03
07	AR166003	WAR071213-19	12/20/07	0630	2.06	6.03
08	AR166004	WAR071213-20	12/20/07	0642	2.06	6.03
09	AR166005	IAR071130-01	12/20/07	0653	2.06	6.03
10	AR166001	WAR071127-60	12/20/07	0705	2.06	6.03
11	PEM02	WPE071119-07	12/20/07	0717	2.06	6.03
12	PIBLK02	WAR071022-99	12/20/07	0729	2.06	6.03
13	ZZZZZ	ZZZZZ	12/20/07	0740	2.06	6.03
14	ZZZZZ	ZZZZZ	12/20/07	0752	2.06	6.03
15	ZZZZZ	ZZZZZ	12/20/07	0804	2.07	6.03
16	ZZZZZ	ZZZZZ	12/20/07	0815	2.06	6.03
17	ZZZZZ	ZZZZZ	12/20/07	0827	2.07	6.03
18	ZZZZZ	ZZZZZ	12/20/07	0839	2.06	6.03
19	ZZZZZ	ZZZZZ	12/20/07	0851	2.07	6.03
20	ZZZZZ	ZZZZZ	12/20/07	0902	2.06	6.03
21	INDAB02	WPE071204-06	12/20/07	0914	2.07	6.03
22	PIBLK03	WAR071022-99	12/20/07	0926	2.07	6.03
23	ZZZZZ	ZZZZZ	12/20/07	0937	2.06	6.03
24	ZZZZZ	ZZZZZ	12/20/07	0949	2.06	6.03
25	ZZZZZ	ZZZZZ	12/20/07	1001	2.06	6.03
26	ZZZZZ	ZZZZZ	12/20/07	1012	2.06	6.03
27	ZZZZZ	ZZZZZ	12/20/07	1024	2.06	6.03
28	ZZZZZ	ZZZZZ	12/20/07	1036	2.06	6.03
29	ZZZZZ	ZZZZZ	12/20/07	1047	2.06	6.03
30	INDAB03	WPE071204-06	12/20/07	1059	2.06	6.03
31	PIBLK04	WAR071022-99	12/20/07	1111	2.06	6.03
32	ZZZZZ	ZZZZZ	12/20/07	1123	2.06	6.03

QC LIMITS
S1 = 4cmx (+/- 0.03 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

page 2 of 2

FORM VIII SV

OLM03.0

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP-1 ID: 0.25 (mm) Init. Calib. Date(s): 12/28/07 12/28/07

Instrument ID: ECD5A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
S1 : 2.22 DCB: 5.96							
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	DCB RT	#
01	PIBLK01	WAR071022-99	12/28/07	1823	2.21	5.96	
02	PEM01	WPE071119-07	12/28/07	1835	2.22	5.96	
03	ZZZZZ	ZZZZZ	12/28/07	1846	2.22	5.96	
04	TOXAPH01	WPE071211-19	12/28/07	1858	2.22	5.96	
05	CHLOR01	WPE071211-01	12/28/07	1910	2.22	5.96	
06	INDAB01	WPE071204-14	12/28/07	1921	2.22	5.96	
07	INDAB02	WPE071207-15	12/28/07	1933	2.22	5.97	
08	INDAB03	WPE071207-16	12/28/07	1945	2.22	5.97	
09	INDAB04	WPE071207-17	12/28/07	1957	2.22	5.96	
10	INDAB05	IPE071207-01	12/28/07	2008	2.22	5.97	
11	INDAB01	WPE071204-06	12/28/07	2020	2.22	5.97	
12	ZZZZZ	ZZZZZ	12/28/07	2032	2.22	5.97	
13	ZZZZZ	ZZZZZ	12/28/07	2043	2.22	5.96	
14	PIBLK02	WAR071022-99	12/28/07	2055	2.22	5.97	
15	ZZZZZ	ZZZZZ	12/28/07	2107	2.22	5.97	
16	ZZZZZ	ZZZZZ	12/28/07	2118	2.22	5.97	
17	ZZZZZ	ZZZZZ	12/28/07	2130	2.22	5.97	
18	ZZZZZ	ZZZZZ	12/28/07	2142	2.22	5.96	
19	ZZZZZ	ZZZZZ	12/28/07	2153	2.22	5.97	
20	INDAB02	WPE071204-06	12/28/07	2205	2.22	5.97	
21	PIBLK03	WAR071022-99	12/28/07	2217	2.22	5.97	
22	ZZZZZ	ZZZZZ	12/28/07	2228	2.22	5.96	
23	ZZZZZ	ZZZZZ	12/28/07	2240	2.22	5.96	
24	ZZZZZ	ZZZZZ	12/28/07	2252	2.22	5.96	
25	ZZZZZ	ZZZZZ	12/28/07	2304	2.22	5.96	
26	ZZZZZ	ZZZZZ	12/28/07	2315	2.22	5.96	
27	ZZZZZ	ZZZZZ	12/28/07	2327	2.22	5.96	
28	ZZZZZ	ZZZZZ	12/28/07	2338	2.22	5.96	
29	ZZZZZ	ZZZZZ	12/28/07	2350	2.22	5.96	
30	INDAB03	WPE071204-06	12/29/07	0002	2.22	5.97	
31	PIBLK04	WAR071022-99	12/29/07	0013	2.22	5.97	
32	ZZZZZ	ZZZZZ	12/29/07	0025	2.22	5.96	

S1 = 4cmx
DCB = Decachlorobiphenyl

QC LIMITS
(+/- 0.03 MINUTES)
(+/- 0.03 MINUTES)

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

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP-2 ID: 0.25 (mm) Init. Calib. Date(s): 12/28/07 12/28/07

Instrument ID: ECD5A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
S1 : 2.06				DCB: 6.03			
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	DCB RT	#
01	PIBLK01	WAR071022-99	12/28/07	1823	2.05	6.02	
02	PEM01	WPE071119-07	12/28/07	1835	2.06	6.02	
03	ZZZZZ	ZZZZZ	12/28/07	1846	2.05	6.02	
04	TOXAPH01	WPE071211-19	12/28/07	1858	2.06	6.02	
05	CHLOR01	WPE071211-01	12/28/07	1910	2.06	6.02	
06	INDAB01	WPE071207-14	12/28/07	1921	2.05	6.02	
07	INDAB02	WPE071207-15	12/28/07	1933	2.06	6.02	
08	INDAB03	WPE071207-16	12/28/07	1945	2.06	6.02	
09	INDAB04	WPE071207-17	12/28/07	1957	2.06	6.02	
10	INDAB05	IPE071207-01	12/28/07	2008	2.06	6.02	
11	INDAB01	WPE071204-06	12/28/07	2020	2.06	6.02	
12	ZZZZZ	ZZZZZ	12/28/07	2032	2.06	6.02	
13	ZZZZZ	ZZZZZ	12/28/07	2043	2.06	6.02	
14	PIBLK02	WAR071022-99	12/28/07	2055	2.06	6.02	
15	ZZZZZ	ZZZZZ	12/28/07	2107	2.06	6.02	
16	ZZZZZ	ZZZZZ	12/28/07	2118	2.06	6.02	
17	ZZZZZ	ZZZZZ	12/28/07	2130	2.06	6.02	
18	ZZZZZ	ZZZZZ	12/28/07	2142	2.06	6.02	
19	ZZZZZ	ZZZZZ	12/28/07	2153	2.06	6.02	
20	INDAB02	WPE071204-06	12/28/07	2205	2.06	6.02	
21	PIBLK03	WAR071022-99	12/28/07	2217	2.06	6.03	
22	ZZZZZ	ZZZZZ	12/28/07	2228	2.06	6.02	
23	ZZZZZ	ZZZZZ	12/28/07	2240	2.06	6.02	
24	ZZZZZ	ZZZZZ	12/28/07	2252	2.06	6.02	
25	ZZZZZ	ZZZZZ	12/28/07	2304	2.06	6.02	
26	ZZZZZ	ZZZZZ	12/28/07	2315	2.06	6.02	
27	ZZZZZ	ZZZZZ	12/28/07	2327	2.06	6.02	
28	ZZZZZ	ZZZZZ	12/28/07	2339	2.06	6.02	
29	ZZZZZ	ZZZZZ	12/28/07	2350	2.06	6.02	
30	INDAB03	WPE071204-06	12/29/07	0002	2.06	6.02	
31	PIBLK04	WAR071022-99	12/29/07	0013	2.06	6.02	
32	ZZZZZ	ZZZZZ	12/29/07	0025	2.06	6.02	

S1 = 4cmx
DCB = Decachlorobiphenyl

QC LIMITS
(+/- 0.03 MINUTES)
(+/- 0.03 MINUTES)

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

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP-1 ID: 0.25 (mm) Init. Calib. Date(s): 12/20/07 12/28/07

Instrument ID: ECD5A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
S1 : 2.21 DCB: 5.96							
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	DCB RT	#
01	PIBLK01	WAR071227-99	01/21/08	1559	2.21	5.97	
02	PEM01	WPE071119-07	01/21/08	1611	2.21	5.96	
03	ZZZZZ	ZZZZZ	01/21/08	1623	2.21	5.96	
04	TOXAPH01	WPE071211-19	01/21/08	1634	2.21	5.96	
05	CHLOR01	WPE071211-01	01/21/08	1646	2.21	5.96	
06	INDAB01	WPE071221-06	01/21/08	1658	2.21	5.96	
07	PIBLK01	WAR071227-99	01/21/08	1710	2.21	5.96	
08	PBLK01	1201499446	01/21/08	1721	2.21	5.96	
09	PBLK01LCS	1201499447	01/21/08	1733	2.21	5.96	
10	ZZZZZ	ZZZZZ	01/21/08	1745	2.21	5.96	
11	ZZZZZ	ZZZZZ	01/21/08	1757	2.21	5.96	
12	ZZZZZ	ZZZZZ	01/21/08	1808	2.21	5.96	
13	ZZZZZ	ZZZZZ	01/21/08	1820	2.21	5.96	
14	ZZZZZ	ZZZZZ	01/21/08	1831	2.21	5.96	
15	ZZZZZ	ZZZZZ	01/21/08	1843	2.21	5.96	
16	INDAB02	WPE071221-06	01/21/08	1855	2.21	5.96	
17	PIBLK03	WAR071227-99	01/21/08	1906	2.21	5.96	
18	IR13-SB02	201226001	01/21/08	1918	2.21	5.96	
19	IR13-SB03	201226002	01/21/08	1930	2.21	5.96	
20	IR13-SB03	201226003	01/21/08	1941	2.21	5.96	
21	INDAB03	WPE071221-06	01/21/08	1953	2.21	5.96	
22	PIBLK04	WAR071227-99	01/21/08	2005	2.21	5.96	
23	ZZZZZ	ZZZZZ	01/21/08	2016	2.21	5.96	
24	ZZZZZ	ZZZZZ	01/21/08	2028	2.21	5.96	
25	ZZZZZ	ZZZZZ	01/21/08	2040	2.21	5.96	
26	ZZZZZ	ZZZZZ	01/21/08	2051	2.21	5.96	
27	ZZZZZ	ZZZZZ	01/21/08	2103	2.21	5.96	
28	ZZZZZ	ZZZZZ	01/21/08	2115	2.21	5.96	
29	ZZZZZ	ZZZZZ	01/21/08	2126	2.21	5.96	
30	ZZZZZ	ZZZZZ	01/21/08	2138	2.21	5.96	
31	ZZZZZ	ZZZZZ	01/21/08	2150	2.21	5.96	
32	INDAB04	WPE071221-06	01/21/08	2201	2.21	5.96	

S1 = 4cmx (+/- 0.03 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP-2 ID: 0.25 (mm) Init. Calib. Date(s): 12/20/07 12/28/07

Instrument ID: ECD5A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
S1 : 2.05				DCB: 6.02			
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	DCB RT	#
01	PIBLK01	WAR071227-99	01/21/08	1559	2.04	6.03	
02	PEM01	WPE071119-07	01/21/08	1611	2.04	6.02	
03	ZZZZZ	ZZZZZ	01/21/08	1623	2.05	6.02	
04	TOXAPH01	WPE071211-19	01/21/08	1634	2.05	6.02	
05	CHLOR01	WPE071211-01	01/21/08	1646	2.05	6.02	
06	INDAB01	WPE071221-06	01/21/08	1658	2.05	6.02	
07	PIBLK01	WAR071227-99	01/21/08	1710	2.05	6.02	
08	PBLK01	1201499446	01/21/08	1721	2.05	6.02	
09	PBLK01LCS	1201499447	01/21/08	1733	2.05	6.02	
10	ZZZZZ	ZZZZZ	01/21/08	1745	2.05	6.02	
11	ZZZZZ	ZZZZZ	01/21/08	1757	2.05	6.02	
12	ZZZZZ	ZZZZZ	01/21/08	1808	2.05	6.02	
13	ZZZZZ	ZZZZZ	01/21/08	1820	2.05	6.02	
14	ZZZZZ	ZZZZZ	01/21/08	1831	2.05	6.02	
15	ZZZZZ	ZZZZZ	01/21/08	1843	2.05	6.02	
16	INDAB02	WPE071221-06	01/21/08	1855	2.05	6.02	
17	PIBLK03	WAR071227-99	01/21/08	1906	2.05	6.02	
18	IR13-SB02	201226001	01/21/08	1918	2.05	6.02	
19	IR13-SB03	201226002	01/21/08	1930	2.05	6.02	
20	IR13-SB03	201226003	01/21/08	1941	2.05	6.02	
21	INDAB03	WPE071221-06	01/21/08	1953	2.05	6.02	
22	PIBLK04	WAR071227-99	01/21/08	2005	2.05	6.02	
23	ZZZZZ	ZZZZZ	01/21/08	2016	2.05	6.02	
24	ZZZZZ	ZZZZZ	01/21/08	2028	2.05	6.02	
25	ZZZZZ	ZZZZZ	01/21/08	2040	2.05	6.02	
26	ZZZZZ	ZZZZZ	01/21/08	2051	2.05	6.02	
27	ZZZZZ	ZZZZZ	01/21/08	2103	2.05	6.02	
28	ZZZZZ	ZZZZZ	01/21/08	2115	2.05	6.02	
29	ZZZZZ	ZZZZZ	01/21/08	2126	2.05	6.02	
30	ZZZZZ	ZZZZZ	01/21/08	2138	2.05	6.02	
31	ZZZZZ	ZZZZZ	01/21/08	2150	2.05	6.02	
32	INDAB04	WPE071221-06	01/21/08	2201	2.05	6.02	

QC LIMITS
S1 = 4cmx (+/- 0.03 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

Identification Summary

Page 1 of 4

SDG Number: 201226

Client ID: LCS for batch 719458

Lab Sample ID: 1201499447

Data File: 009f0901201226.d

Data File: 009b0901201226.d

Inst: ECD5A.I_1

Inst: ECD5A.I_2

Column: 1 : CLP-1

Column: 2 : CLP-2

Analyzed: 21-JAN-08 17:33

Analyzed: 21-JAN-08 17:33

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
alpha-BHC							.777
Column 1	1	2.74	2.71 – 2.77	.458		ug/L	
Column 2	1	2.65	2.62 – 2.68	.462		ug/L	
gamma-BHC (Lindane)							.567
Column 1	1	3.01	2.98 – 3.04	.441		ug/L	
Column 2	1	2.95	2.92 – 2.98	.439		ug/L	
beta-BHC							1.75
Column 1	1	3.09	3.06 – 3.12	.437		ug/L	
Column 2	1	3.03	3 – 3.06	.444		ug/L	
delta-BHC							1.31
Column 1	1	3.22	3.19 – 3.25	.454		ug/L	
Column 2	1	3.24	3.21 – 3.27	.448		ug/L	
Heptachlor							1.51
Column 1	1	3.38	3.35 – 3.41	.44		ug/L	
Column 2	1	3.27	3.24 – 3.3	.433		ug/L	

Identification Summary

Page 2 of 4

SDG Number: 201226

Client ID: LCS for batch 719458

Lab Sample ID: 1201499447

Data File: 009f0901201226.d

Data File: 009b0901201226.d

Inst: ECD5A.I_1

Inst: ECD5A.I_2

Column: 1 : CLP-1

Column: 2 : CLP-2

Analyzed: 21-JAN-08 17:33

Analyzed: 21-JAN-08 17:33

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Aldrin							.968
Column 1	1	3.6	3.57 – 3.63	.442		ug/L	
Column 2	1	3.5	3.47 – 3.53	.446		ug/L	
Heptachlor epoxide							1.92
Column 1	1	4.01	3.98 – 4.04	.457		ug/L	
Column 2	1	3.89	3.86 – 3.92	.449		ug/L	
Endosulfan I							9.83
Column 1	1	4.25	4.22 – 4.28	.494		ug/L	
Column 2	1	4.13	4.1 – 4.16	.448		ug/L	
4,4'-DDE							3.33
Column 1	1	4.24	4.21 – 4.27	1.2		ug/L	
Column 2	1	4.22	4.19 – 4.25	1.16		ug/L	
Dieldrin							5.51
Column 1	1	4.41	4.38 – 4.44	1.19		ug/L	
Column 2	1	4.3	4.27 – 4.33	1.13		ug/L	

Identification Summary

Page 3 of 4

SDG Number: 201226

Client ID: LCS for batch 719458

Lab Sample ID: 1201499447

Data File: 009f0901201226.d

Data File: 009b0901201226.d

Inst: ECD5A.I_1

Inst: ECD5A.I_2

Column: 1 : CLP-1

Column: 2 : CLP-2

Analyzed: 21-JAN-08 17:33

Analyzed: 21-JAN-08 17:33

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Endrin							3.44
Column 1	1	4.55	4.52 – 4.58	1.14		ug/L	
Column 2	1	4.49	4.46 – 4.52	1.1		ug/L	
4,4'-DDD							3.1
Column 1	1	4.6	4.57 – 4.63	1.16		ug/L	
Column 2	1	4.57	4.54 – 4.6	1.12		ug/L	
Endosulfan II							5.01
Column 1	1	4.68	4.65 – 4.71	1.17		ug/L	
Column 2	1	4.62	4.59 – 4.65	1.11		ug/L	
Endrin aldehyde							3.39
Column 1	1	4.93	4.9 – 4.96	1.17		ug/L	
Column 2	1	4.82	4.79 – 4.85	1.13		ug/L	
4,4'-DDT							1.8
Column 1	1	4.77	4.74 – 4.8	1.19		ug/L	
Column 2	1	4.76	4.73 – 4.79	1.17		ug/L	

Identification Summary

Page 4 of 4

SDG Number: 201226

Client ID: LCS for batch 719458

Lab Sample ID: 1201499447

Data File: 009f0901201226.d

Data File: 009b0901201226.d

Inst: ECD5A.I_1

Inst: ECD5A.I_2

Column: 1 : CLP-1

Column: 2 : CLP-2

Analyzed: 21-JAN-08 17:33

Analyzed: 21-JAN-08 17:33

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Endosulfan sulfate							.232
Column 1	1	5.19	5.16 – 5.22	1.11		ug/L	
Column 2	1	4.99	4.96 – 5.02	1.12		ug/L	
Methoxychlor							.476
Column 1	1	5.07	5.04 – 5.1	4.27		ug/L	
Column 2	1	5.16	5.13 – 5.19	4.29		ug/L	
Endrin ketone							1.56
Column 1	1	5.35	5.32 – 5.38	1.1		ug/L	
Column 2	1	5.3	5.27 – 5.33	1.08		ug/L	

QUALITY CONTROL DATA

**Pesticide
Certificate of Analysis
Sample Summary**

SDG Number: 201226	Matrix: GROUND WATER
Lab Sample ID: 1201499446	
Client Sample: QC for batch 719458	Client: CATL002
Client ID: MB for batch 719458	Method: SW846 8081A
Batch ID: 719462	Inst: ECD5A.I
Run Date: 01/21/2008 17:21	Analyst: HXJ1
Prep Date: 01/21/2008 16:06	Aliquot: 1000 mL
Data File: 008f0801.d	Column: 1 CLP-1
	2 CLP-2
	Project: QC
	SOP Ref: GL-OA-E-041
	Dilution: 1
	Inj. Vol: 1 uL
	Final Volume: 5 mL
	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
319-84-6	alpha-BHC	U	0.020	ug/L	0.005	0.020	1
58-89-9	gamma-BHC (Lindane)	U	0.020	ug/L	0.005	0.020	1
319-85-7	beta-BHC	U	0.020	ug/L	0.00845	0.020	1
319-86-8	delta-BHC	U	0.020	ug/L	0.005	0.020	1
76-44-8	Heptachlor	U	0.020	ug/L	0.00655	0.020	1
309-00-2	Aldrin	U	0.020	ug/L	0.005	0.020	1
1024-57-3	Heptachlor epoxide	U	0.020	ug/L	0.005	0.020	1
959-98-8	Endosulfan I	U	0.020	ug/L	0.005	0.020	1
72-55-9	4,4'-DDE	U	0.040	ug/L	0.005	0.040	1
60-57-1	Dieldrin	U	0.040	ug/L	0.005	0.040	1
72-20-8	Endrin	U	0.040	ug/L	0.005	0.040	1
72-54-8	4,4'-DDD	U	0.040	ug/L	0.005	0.040	1
33213-65-9	Endosulfan II	U	0.040	ug/L	0.005	0.040	1
7421-93-4	Endrin aldehyde	U	0.040	ug/L	0.005	0.040	1
50-29-3	4,4'-DDT	U	0.040	ug/L	0.010	0.040	1
1031-07-8	Endosulfan sulfate	U	0.040	ug/L	0.005	0.040	1
72-43-5	Methoxychlor	U	0.200	ug/L	0.050	0.200	1
53494-70-5	Endrin ketone	U	0.040	ug/L	0.0126	0.040	1
57-74-9	Chlordane (tech.)	U	0.250	ug/L	0.0765	0.250	1
8001-35-2	Toxaphene	U	0.500	ug/L	0.150	0.500	1

Data File: /chem/ecd5a.i/012108.b/008f0801201226.d
Report Date: 23-Jan-2008 18:33

Page 1

GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/012108.b/008f0801201226.d
Lab Smp Id: 1201499446 Client Smp ID: PBLK01
Inj Date : 21-JAN-2008 17:21
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |1201499446|1|
Misc Info : |ECD81A_1L|719462|SVP|MB|GROUND WATER|MB|||
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
Meth Date : 22-Jan-2008 21:14 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010f1001.d
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water
Processing Host: hpclp1

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * \text{Vt} / (\text{Vo} * \text{Vi}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	

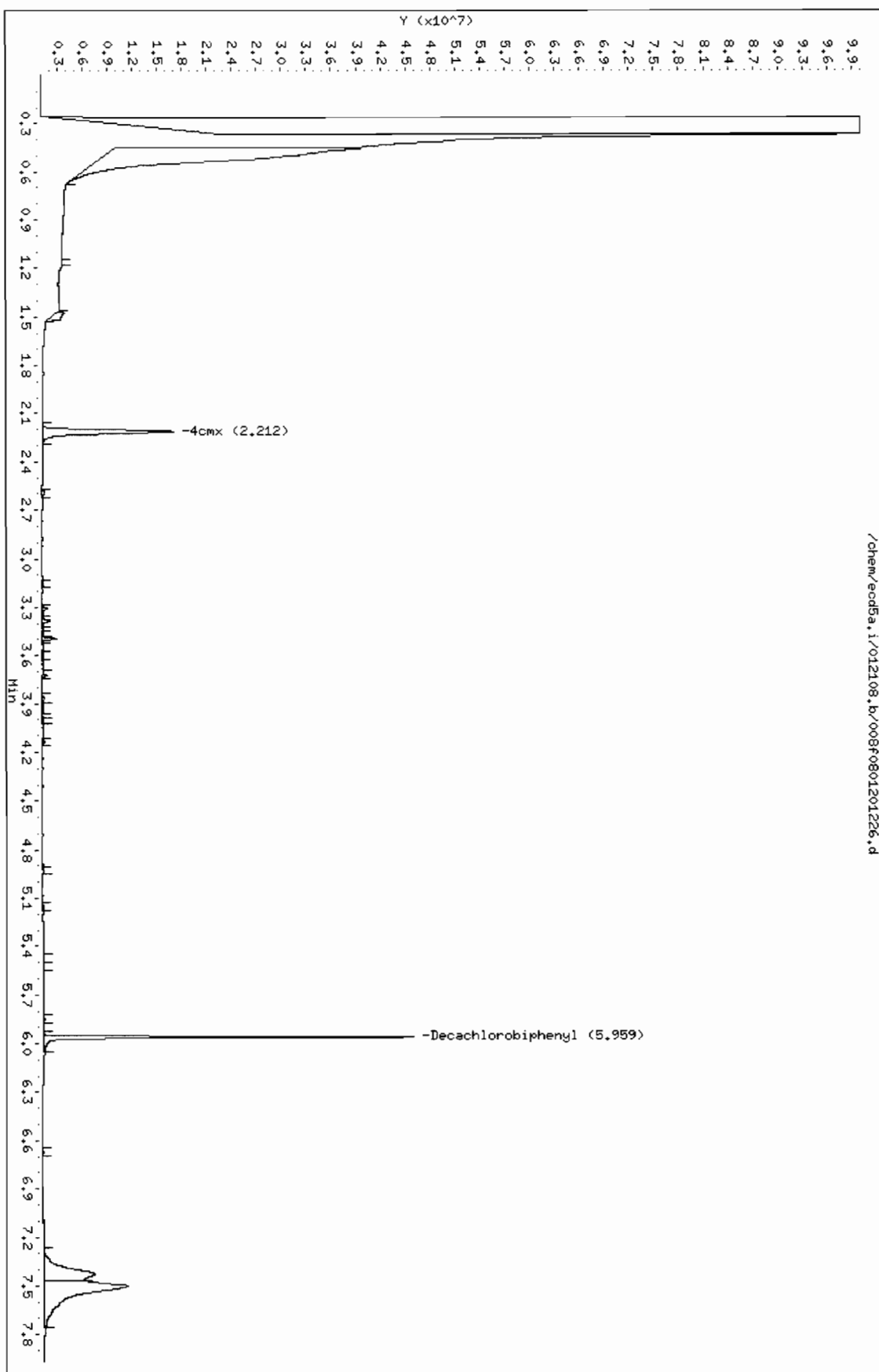
\$ 1 4cmx					CAS #: 877-09-8		
2.212	2.212	0.000	27252055 96.6544	0.483	80.00- 120.00	100.00	

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3		
5.959	5.958	0.001	35002080 185.017	0.925	80.00- 120.00	100.00	

Data File: /chem/eod5a.i/012108.b/008f0801201226.d
Date : 21-JAN-2008 17:21
Client ID: PRLX01
Sample Info: 1120149944611
Volume Injected (uL): 1.0
Column phase: CLP-1

Instrument: eod5a.i
Operator: HXJ1
Column diameter: 0.25

Page 1



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/012108.b/008b0801201226.d
Lab Smp Id: 1201499446 Client Smp ID: PBLK01
Inj Date : 21-JAN-2008 17:21
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |1201499446|1|
Misc Info : |ECD81A_1L|719462|SVP|MB|GROUND WATER|MB|||
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
Meth Date : 22-Jan-2008 18:32 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010b1001.d
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water
Processing Host: hpc1p1

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

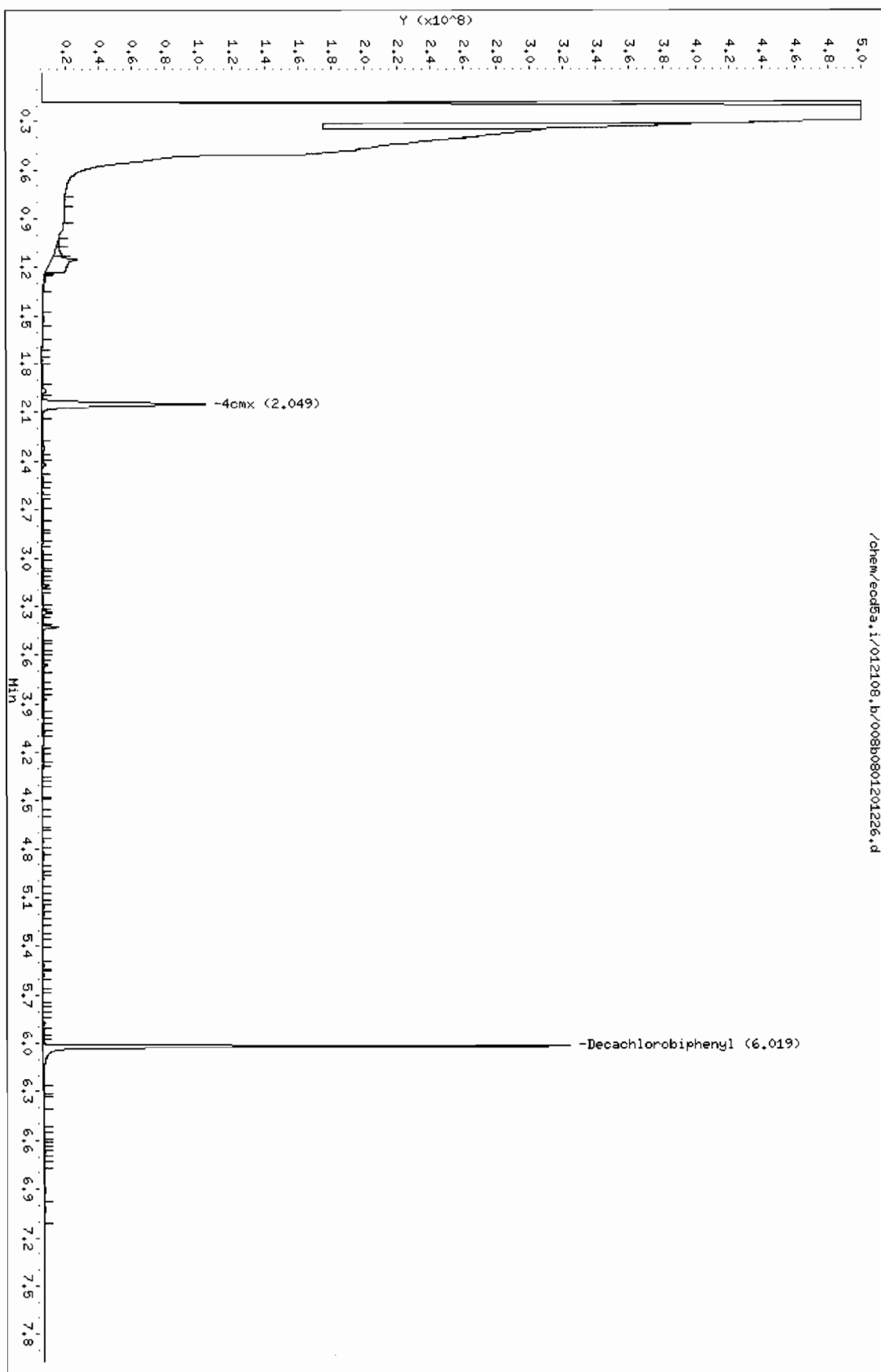
CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----
\$ 1 4cmx CAS #: 877-09-8						
2.049	2.048	0.001	158460549 92.8063	0.464	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl CAS #: 2051-24-3						
6.019	6.018	0.001	264119543 172.996	0.865	80.00- 120.00	100.00

Data File: /chem/eod5a.i/012108.b/0080801201226.d
Date : 21-JAN-2008 17:21
Client ID: PRLK01
Sample Info: 1120149944611
Volume Injected (uL): 1.0
Column phase: CLP-2

Instrument: eod5a.i
Operator: HXJ1
Column diameter: 0.25

Page 1



**Pesticide
Certificate of Analysis
Sample Summary**

SDG Number: 201226

Matrix: GROUND WATER

Lab Sample ID: 1201499447

Client Sample: QC for batch 719458

Client: CATL002

Project: QC

Client ID: LCS for batch 719458

Method: SW846 8081A

SOP Ref: GL-OA-E-041

Batch ID: 719462

Inst: ECD5A.I

Dilution: 1

Run Date: 01/21/2008 17:33

Analyst: HXJ1

Inj. Vol: 1 uL

Prep Date: 01/21/2008 16:06

Aliquot: 1000 mL

Final Volume: 5 mL

Data File: 009f0901.d

Column: 1 CLP-1

Level: LOW

009b0901.d

2 CLP-2

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
319-84-6	alpha-BHC		0.462	ug/L	0.005	0.020	2
58-89-9	gamma-BHC (Lindane)		0.441	ug/L	0.005	0.020	1
319-85-7	beta-BHC		0.444	ug/L	0.00845	0.020	2
319-86-8	delta-BHC		0.454	ug/L	0.005	0.020	1
76-44-8	Heptachlor		0.440	ug/L	0.00655	0.020	1
309-00-2	Aldrin		0.446	ug/L	0.005	0.020	2
1024-57-3	Heptachlor epoxide		0.457	ug/L	0.005	0.020	1
959-98-8	Endosulfan I		0.494	ug/L	0.005	0.020	1
72-55-9	4,4'-DDE		1.20	ug/L	0.005	0.040	1
60-57-1	Dieldrin		1.19	ug/L	0.005	0.040	1
72-20-8	Endrin		1.14	ug/L	0.005	0.040	1
72-54-8	4,4'-DDD		1.16	ug/L	0.005	0.040	1
33213-65-9	Endosulfan II		1.17	ug/L	0.005	0.040	1
7421-93-4	Endrin aldehyde		1.17	ug/L	0.005	0.040	1
50-29-3	4,4'-DDT		1.19	ug/L	0.010	0.040	1
1031-07-8	Endosulfan sulfate		1.12	ug/L	0.005	0.040	2
72-43-5	Methoxychlor		4.29	ug/L	0.050	0.200	2
53494-70-5	Endrin ketone		1.10	ug/L	0.0126	0.040	1
57-74-9	Chlordane (tech.)	U	0.250	ug/L	0.0765	0.250	1
8001-35-2	Toxaphene	U	0.500	ug/L	0.150	0.500	1

GEL Laboratories LLC

CLP-1

Data file : /chem/ecd5a.i/012108.b/009f0901201226.d
Lab Smp Id: 1201499447 Client Smp ID: PBLK01LCS
Inj Date : 21-JAN-2008 17:33
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |1201499447|1|
Misc Info : |ECD81A_1L|719462|SVP|LCS|GROUND WATER|LCS|||
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-F-8081-121907.B.m
Meth Date : 22-Jan-2008 21:14 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010f1001.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water
Processing Host: hpc1p1

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
			ON-COL		FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 1 4cmx CAS #: 877-09-8							
2.212	2.212	0.000	37023038	131.309	0.656	80.00- 120.00	100.00

\$ 32 Decachlorobiphenyl CAS #: 2051-24-3							
5.960	5.958	0.002	35454761	187.466	0.937	80.00- 120.00	100.00

5 alpha-BHC CAS #: 319-84-6							
2.744	2.743	0.001	32429639	91.5992	0.458	80.00- 120.00	100.00

7 gamma-BHC (Lindane) CAS #: 58-89-9							
3.012	3.012	0.000	28835733	88.2658	0.441	80.00- 120.00	100.00

CONCENTRATIONS								
			ON-COL	FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
12 beta-BHC					CAS #:	319-85-7		
3.090	3.089	0.001	12885683	87.3393	0.437	80.00-	120.00	100.00

13 delta-BHC					CAS #:	319-86-8		
3.224	3.223	0.001	29574468	90.7402	0.454	80.00-	120.00	100.00

10 Heptachlor					CAS #:	76-44-8		
3.383	3.383	0.000	29990161	88.0060	0.440	80.00-	120.00	100.00

11 Aldrin					CAS #:	309-00-2		
3.597	3.597	0.000	28886694	88.4367	0.442	80.00-	120.00	100.00

14 Heptachlor epoxide					CAS #:	1024-57-3		
4.006	4.006	0.000	27841145	91.4701	0.457	80.00-	120.00	100.00

16 Endosulfan I					CAS #:	959-98-8		
4.254	4.254	0.000	28699297	98.7955	0.494	80.00-	120.00	100.00 (M)

19 4,4'-DDE					CAS #:	72-55-9		
4.240	4.239	0.001	70070059	240.415	1.20	80.00-	120.00	100.00 (M)

20 Dieldrin					CAS #:	60-57-1		
4.407	4.406	0.001	72634637	237.860	1.19	80.00-	120.00	100.00

22 Endrin					CAS #:	72-20-8		
4.548	4.547	0.001	65066723	228.182	1.14	80.00-	120.00	100.00

25 4,4'-DDD					CAS #:	72-54-8		
4.605	4.604	0.001	58140688	231.201	1.16	80.00-	120.00	100.00

24 Endosulfan II					CAS #:	33213-65-9		
4.683	4.682	0.001	60364413	233.070	1.16	80.00-	120.00	100.00

27 Endrin aldehyde					CAS #:	7421-93-4		
4.932	4.931	0.001	46565293	234.666	1.17	80.00-	120.00	100.00

26 4,4'-DDT					CAS #:	50-29-3		
4.774	4.773	0.001	57764861	237.691	1.19	80.00-	120.00	100.00

29 Endosulfan sulfate					CAS #:	1031-07-8		
5.186	5.185	0.001	53275908	222.894	1.11	80.00-	120.00	100.00

28 Methoxychlor					CAS #:	72-43-5		
5.067	5.066	0.001	102533666	853.853	4.27	80.00-	120.00	100.00

31 Endrin ketone					CAS #:	53494-70-5		
5.354	5.353	0.001	60798265	219.337	1.10	80.00-	120.00	100.00

Data File: /chem/ecd5a.i/012108.b/009f0901201226.d
Report Date: 23-Jan-2008 18:33

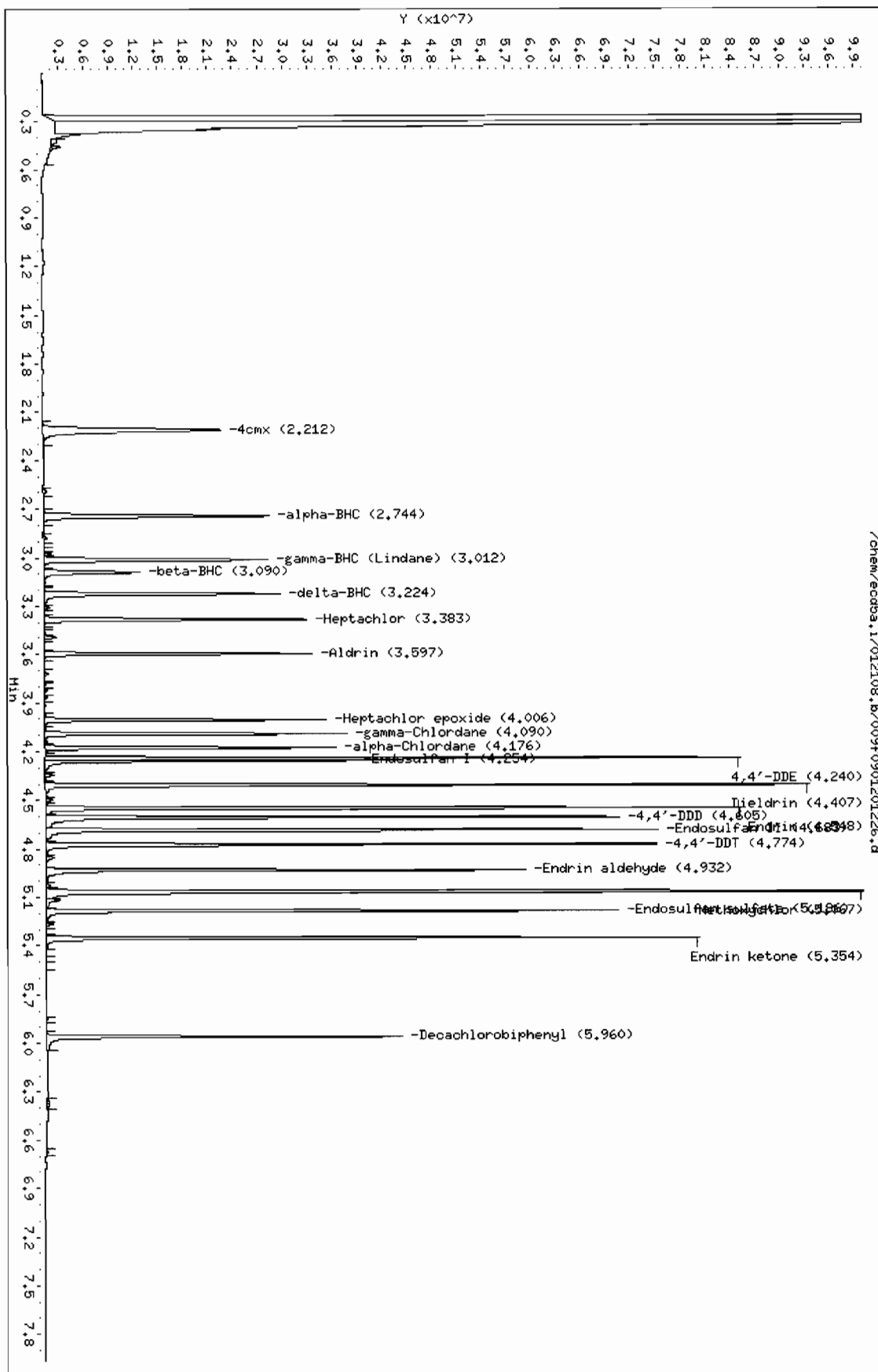
Page 3

QC Flag Legend

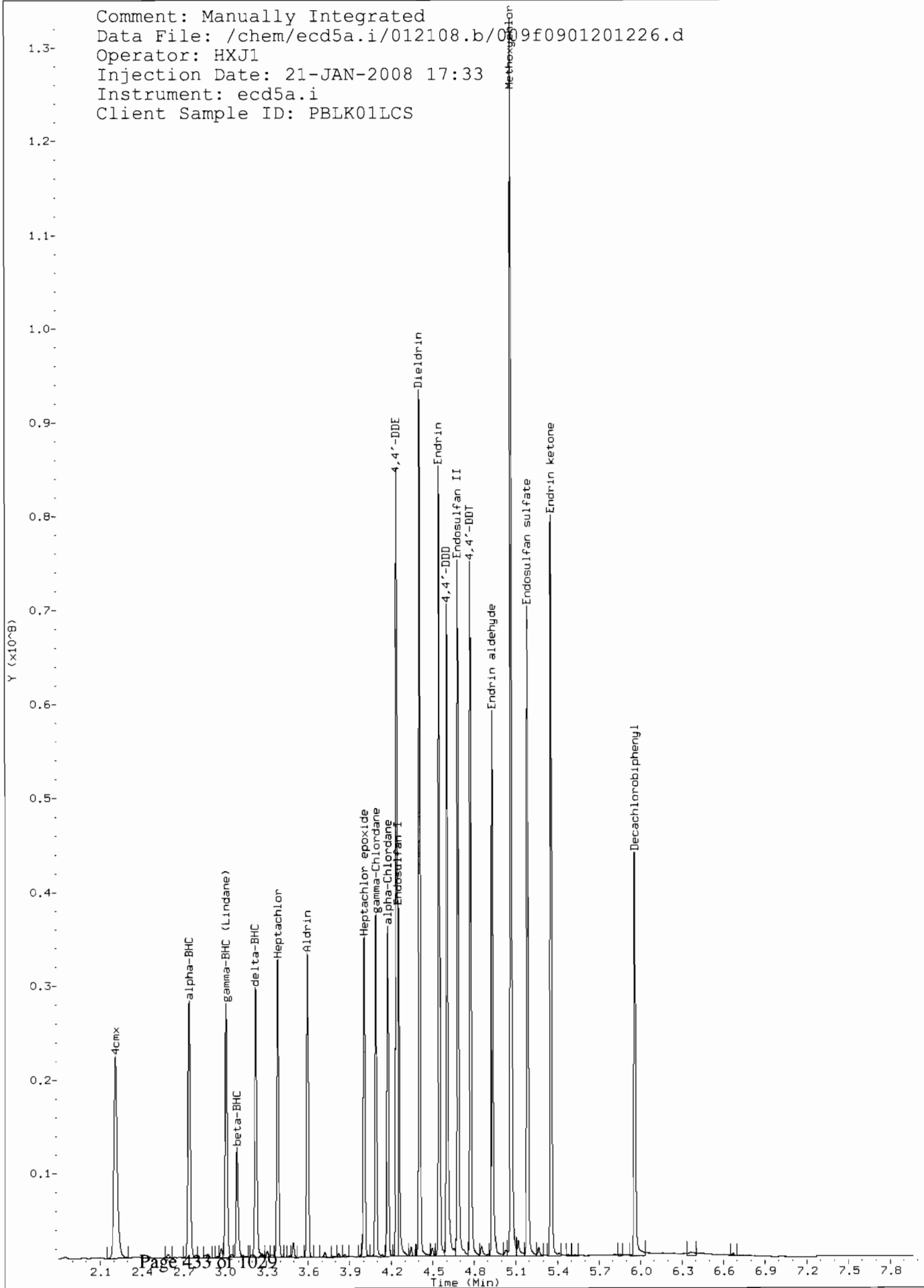
M - Compound response manually integrated.

Data File: /chem/ecdb5a.i/012108.b/009f0901201226.d
 Date : 21-JAN-2008 17:33
 Client ID: PBLK01CS
 Sample Info: 1120149944711
 Volume Injected (uL): 1.0
 Column phase: CLP-1

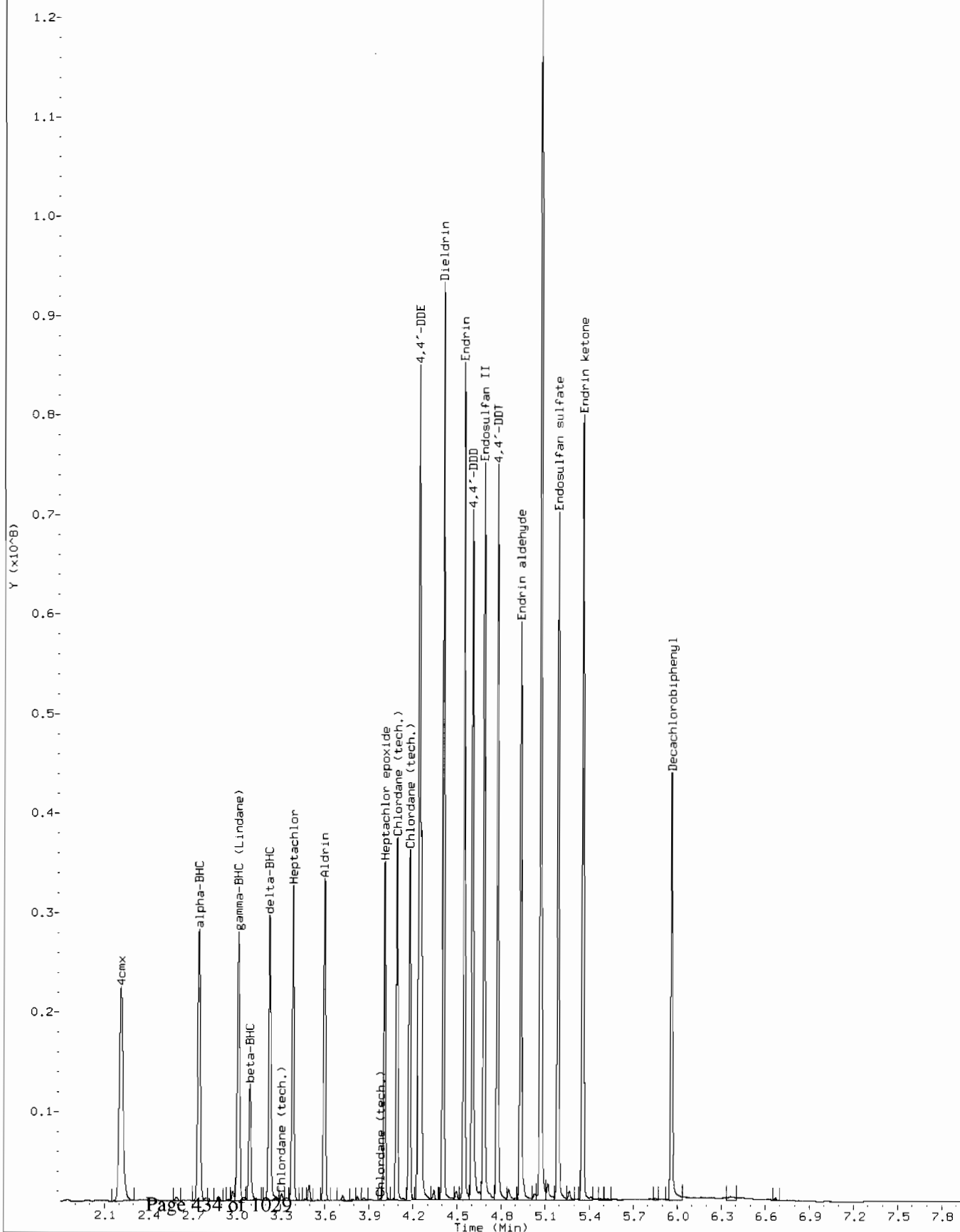
Instrument: ecdb5a.i
 Operator: HXJ1
 Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd5a.i/012108.b/009f0901201226.d
Operator: HXJ1
Injection Date: 21-JAN-2008 17:33
Instrument: ecd5a.i
Client Sample ID: PBLK01LCS



Comment: Before manual integration
Data File: /chem/ecd5a.i/012108.b/orig-009f0901201226.d
Operator: HXJ1
Injection Date: 21-JAN-2008 17:33
Instrument: ecd5a.i
Client Sample ID: PBLK01LCS



GEL Laboratories LLC

CLP-2

Data file : /chem/ecd5a.i/012108.b/009b0901201226.d
Lab Smp Id: 1201499447 Client Smp ID: PBLK01LCS
Inj Date : 21-JAN-2008 17:33
Operator : HXJ1 Inst ID: ecd5a.i
Smp Info : |1201499447|1|
Misc Info : |ECD81A_1L|719462|SVP|LCS|GROUND WATER|LCS|||
Comment :
Method : /chem/ecd5a.i/012108.b/ECD5-B-8081-121907.B.m
Meth Date : 22-Jan-2008 18:32 hea01125 Quant Type: ESTD
Cal Date : 18-JAN-2008 21:19 Cal File: 010b1001.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water
Processing Host: hpclpl

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 1 4cmx					CAS #: 877-09-8			
2.050	2.048	0.002	219926766	128.806	0.644	80.00- 120.00	100.00	

\$ 32 Decachlorobiphenyl					CAS #: 2051-24-3			
6.019	6.018	0.001	246531754	161.476	0.807	80.00- 120.00	100.00	

5 alpha-BHC					CAS #: 319-84-6			
2.650	2.649	0.001	197531979	92.3139	0.462	80.00- 120.00	100.00	

7 gamma-BHC (Lindane)					CAS #: 58-89-9			
2.947	2.946	0.001	171856614	87.7670	0.439	80.00- 120.00	100.00	

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
12 beta-BHC					CAS #:	319-85-7		
3.030	3.030	0.000	76081187	88.8833	0.444	80.00-	120.00	100.00

13 delta-BHC					CAS #:	319-86-8		
3.245	3.244	0.001	174741429	89.5621	0.448	80.00-	120.00	100.00

10 Heptachlor					CAS #:	76-44-8		
3.272	3.272	0.000	169915409	86.6913	0.433	80.00-	120.00	100.00

11 Aldrin					CAS #:	309-00-2		
3.496	3.496	0.000	163124100	89.2973	0.446	80.00-	120.00	100.00

14 Heptachlor epoxide					CAS #:	1024-57-3		
3.886	3.885	0.001	150006894	89.7283	0.449	80.00-	120.00	100.00

16 Endosulfan I					CAS #:	959-98-8		
4.132	4.131	0.001	138947227	89.5388	0.448	80.00-	120.00	100.00

19 4,4'-DDE					CAS #:	72-55-9		
4.220	4.219	0.001	385949685	232.540	1.16	80.00-	120.00	100.00

20 Dieldrin					CAS #:	60-57-1		
4.304	4.303	0.001	382876782	225.107	1.12	80.00-	120.00	100.00

22 Endrin					CAS #:	72-20-8		
4.487	4.486	0.001	338289309	220.476	1.10	80.00-	120.00	100.00

25 4,4'-DDD					CAS #:	72-54-8		
4.572	4.571	0.001	316942621	224.152	1.12	80.00-	120.00	100.00

24 Endosulfan II					CAS #:	33213-65-9		
4.618	4.617	0.001	321436241	221.669	1.11	80.00-	120.00	100.00

27 Endrin aldehyde					CAS #:	7421-93-4		
4.821	4.821	0.000	246306236	226.841	1.13	80.00-	120.00	100.00

26 4,4'-DDT					CAS #:	50-29-3		
4.757	4.756	0.001	303625998	233.450	1.17	80.00-	120.00	100.00

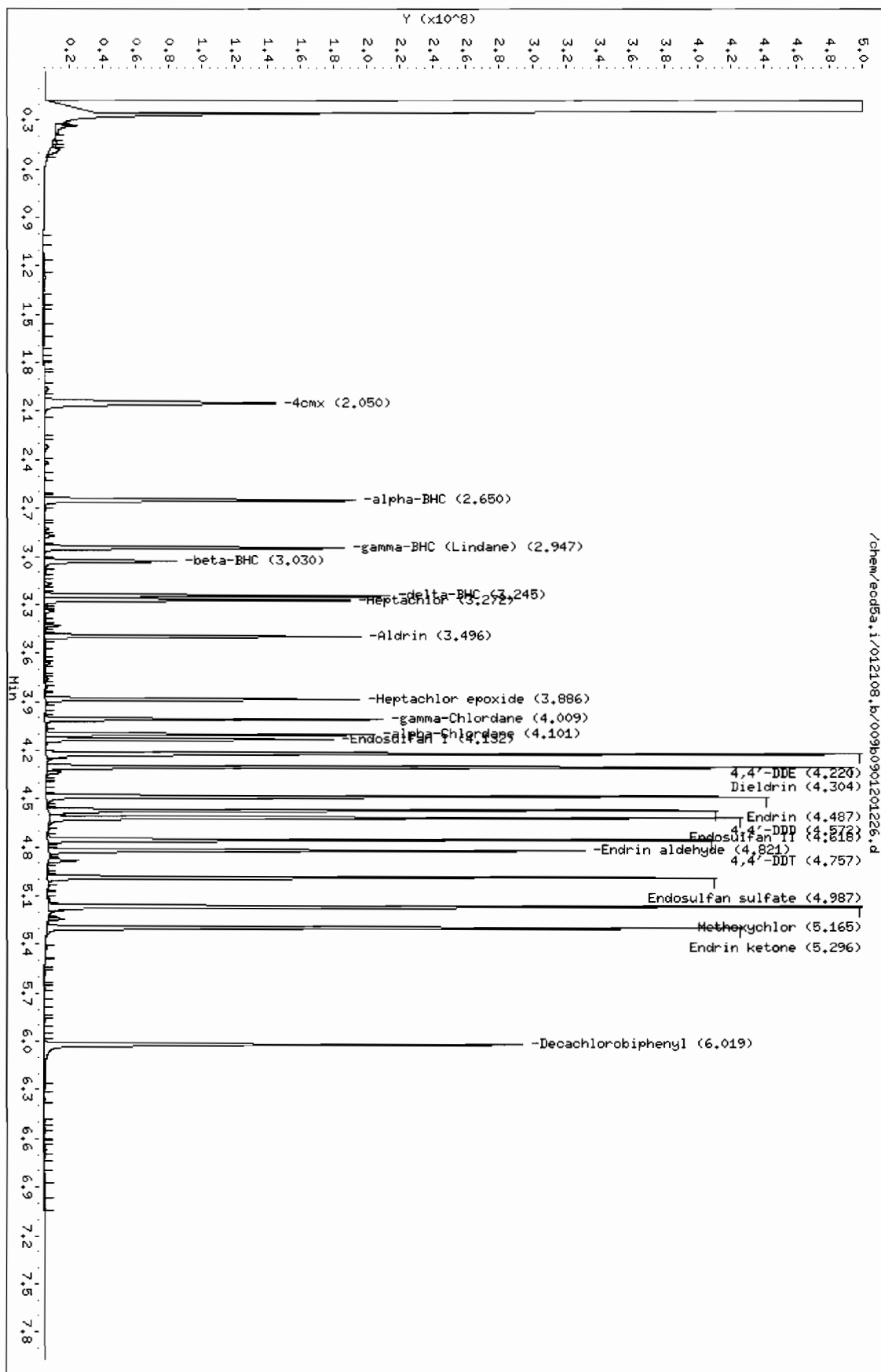
29 Endosulfan sulfate					CAS #:	1031-07-8		
4.987	4.986	0.001	299636937	223.413	1.12	80.00-	120.00	100.00

28 Methoxychlor					CAS #:	72-43-5		
5.165	5.164	0.001	489805237	857.931	4.29	80.00-	120.00	100.00

31 Endrin ketone					CAS #:	53494-70-5		
5.296	5.295	0.001	325829236	215.938	1.08	80.00-	120.00	100.00

Data File: /chem/eod5a.i/012108.b/009b0901201226.d
 Date: 21-JAN-2008 17:33
 Client ID: PLK01LCS
 Sample Info: 1120149944711
 Volume Injected (uL): 1.0
 Column phase: CLP-2

Instrument: eod5a.i
 Operator: HXJL
 Column diameter: 0.25



MISCELLANEOUS DATA

GEL ORGANIC RUN LOG

INSTRUMENT ID: ECD5

DATE: 12/20/2007

METHOD: ECD5-B-8081-121907.B.m

OPERATOR:HXJ1

REVIEWED BY: _____
DATE: _____

HARDWARE CONFIGURATION & METHOD SUMMARY: No. 1 on pg. 1

SOLVENT LOT CT938
MERCURY LOT G12S014

Calibration & QC Information

Initial Calibration Dates: See Calibration History and Standard Logbook.
Initial Calibration Std ID's: See Calibration History and Standard Logbook.
GEL SOP GL-OA-E-011 Analysis of Chlorophenoxo Acids by ECD : 8151A
Chromatogram Abbreviation Legend: AB-Assign Baseline, AP-Assign Peak, and
DNC-Do Not Call, NC-Not Confirmed, RT-Retention Time,
BF-Before, AF-After.

Sequence Number: /chem/ecd5a.i/121907.b Injection Volume: 1.0 uL

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
001b0101.d	IWAR071022-99TB	HXJ1	19-DEC-2007 23:05		121907	1.01	IClean	
002b0201.d	IWPE071119-07DG	HXJ1	19-DEC-2007 23:17		121907	1.01	(b) DDT 8.8%, Endrin 5.9%; (f) DDT 6.3%, Endrin 2.8%	
003b0301.d	IWPE071204-06AB	HXJ1	19-DEC-2007 23:28		121907	1.01	IDUSE	
004b0401.d	IWPE071211-19TX	HXJ1	19-DEC-2007 23:40		121907	1.01	IDUSE	
005b0501.d	IWPE071211-01CL	HXJ1	19-DEC-2007 23:52		121907	1.01	IDUSE	
006b0601.d	IWPE071128-19 GA	HXJ1	20-DEC-2007 00:04		121907	1.01	IDUSE	
007b0701.d	IWAR071127-60 60	HXJ1	20-DEC-2007 00:15		121907	1.01	IDUSE	
008b0801.d	IWAR071205-54 54	HXJ1	20-DEC-2007 00:27		121907	1.01	IDUSE - pattern only	
009b0901.d	IWAR071105-42 42	HXJ1	20-DEC-2007 00:39		121907	1.01	IDUSE - pattern only	
010b1001.d	IWAR070926-48 48	HXJ1	20-DEC-2007 00:50		121907	1.01	IDUSE - pattern only	
011b1101.d	IWAR071205-32 32	HXJ1	20-DEC-2007 01:02		121907	1.01	IDUSE - pattern only	
012b1201.d	IWAR071022-21 21	HXJ1	20-DEC-2007 01:14		121907	1.01	IDUSE - pattern only	
013b1301.d	IWPE071023-12TX	HXJ1	20-DEC-2007 01:26		121907	1.01	TOXAPH ICAL level 1 - all %RSD's<10% - use for 608 and 8081 methods	
014b1401.d	IWPE071023-13TX	HXJ1	20-DEC-2007 01:37		121907	1.01	TOXAPH ICAL level 2 - all %RSD's<10% - use for 608 and 8081 methods	
015b1501.d	IWPE071023-14TX	HXJ1	20-DEC-2007 01:49		121907	1.01	TOXAPH ICAL level 3 - all %RSD's<10% - use for 608 and 8081 methods	

Instrument Batch: /chem/ecd5a.i/121907.b

Page: 1

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
016b1601.d	IWPE071023-15TX	HXJ1	20-DEC-2007 02:01		121907	1.01	TOXAPH ICAL level 4 - all %RSD's<10% - use for 608 and 8081 methods	

017b1701.d	TPE071018-19 TX	HXJ1	20-DEC-2007 02:12		121907		1.0	TOXAPH ICAL level 5 - all %RSD's<10% - use for 608 and 8081 methods
018b1801.d	WPE071211-19TX	HXJ1	20-DEC-2007 02:24		121907		1.0	All okay
019b1901.d	WPE071023-05 CL	HXJ1	20-DEC-2007 02:36		121907		1.0	CHLOR ICAL level 1 - all %RSD's<10% - use for 608 and 8081 methods
020b2001.d	WPE071023-06 CL	HXJ1	20-DEC-2007 02:48		121907		1.0	CHLOR ICAL level 2 - all %RSD's<10% - use for 608 and 8081 methods
021b2101.d	WPE071023-07 CL	HXJ1	20-DEC-2007 02:59		121907		1.0	CHLOR ICAL level 3 - all %RSD's<10% - use for 608 and 8081 methods
022b2201.d	WPE071023-08 CL	HXJ1	20-DEC-2007 03:11		121907		1.0	CHLOR ICAL level 4 - all %RSD's<10% - use for 608 and 8081 methods
023b2301.d	TPE071011-01 CL	HXJ1	20-DEC-2007 03:23		121907		1.0	CHLOR ICAL level 5 - all %RSD's<10% - use for 608 and 8081 methods
024b2401.d	WPE071211-01CL	HXJ1	20-DEC-2007 03:35		121907		1.0	All okay
025b2501.d	WPE071212-15 GA	HXJ1	20-DEC-2007 03:46		121907		1.0	GAPA ICAL level 1 - all %RSD's<10% - use for 608 and 8081 methods
026b2601.d	WPE071212-16 GA	HXJ1	20-DEC-2007 03:58		121907		1.0	GAPA ICAL level 2 - all %RSD's<10% - use for 608 and 8081 methods
027b2701.d	WPE071212-17 GA	HXJ1	20-DEC-2007 04:10		121907		1.0	GAPA ICAL level 3 - all %RSD's<10% - use for 608 and 8081 methods
028b2801.d	WPE071212-18 GA	HXJ1	20-DEC-2007 04:21		121907		1.0	GAPA ICAL level 4 - all %RSD's<10% - use for 608 and 8081 methods
029b2901.d	TPE071213-02AGA	HXJ1	20-DEC-2007 04:33		121907		1.0	GAPA ICAL level 5 - all %RSD's<10% - use for 608 and 8081 methods
030b3001.d	WPE071128-19 GA	HXJ1	20-DEC-2007 04:45		121907		1.0	All okay
031b3101.d	WPE071207-14AB	HXJ1	20-DEC-2007 04:56		121907		1.0	INDAB ICAL level 1 - all %RSD's<10% - use for 608 and 8081 methods
032b3201.d	WPE071207-15AB	HXJ1	20-DEC-2007 05:08		121907		1.0	INDAB ICAL level 2 - all %RSD's<10% - use for 608 and 8081 methods
033b3301.d	WPE071207-16AB	HXJ1	20-DEC-2007 05:20		121907		1.0	INDAB ICAL level 3 - all %RSD's<10% - use for 608 and 8081 methods
034b3401.d	WPE071207-17AB	HXJ1	20-DEC-2007 05:32		121907		1.0	INDAB ICAL level 4 - all %RSD's<10% - use for 608 and 8081 methods
035b3501.d	TPE071204-06AB	HXJ1	20-DEC-2007 05:43		121907		1.0	INDAB ICAL level 5 - all %RSD's<10% - use for 608 and 8081 methods

Instrument Batch: /chem/ecd5a.i/121907.b

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Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
036b3601.d	WPE071204-06AB	HXJ1	20-DEC-2007 05:55		121907		1.0	All okay
037b3701.d	WAR071213-17 60	HXJ1	20-DEC-2007 06:07		121907		1.0	AR1660 ICAL level 1 - all %RSD's<10% - use for 608 and 8081 methods
038b3801.d	WAR071213-18 60	HXJ1	20-DEC-2007 06:18		121907		1.0	AR1660 ICAL level 2 - all %RSD's<10% - use for 608 and 8081 methods
039b3901.d	WAR071213-19 60	HXJ1	20-DEC-2007 06:30		121907		1.0	AR1660 ICAL level 3 - all %RSD's<10% - use for 608 and 8081 methods
040b4001.d	WAR071213-20 60	HXJ1	20-DEC-2007 06:42		121907		1.0	AR1660 ICAL level 4 - all %RSD's<10% - use for 608 and 8081 methods

1041b4101.d	11AR0711130-01 60	HXJ1	120-DEC-2007 06:53		121907	1.01	1AR1660 ICAL level 5 - all %RSP's<10% - use for 608 and 8081 methods
1042b4201.d	11AR0711127-60 60	HXJ1	120-DEC-2007 07:05		121907	1.01	All okay
1043b4301.d	11WE0711119-07DG	HXJ1	120-DEC-2007 07:17		121907	1.01	(b) DDT 8.1%, Endrin 13.8%; (f) DDT 5.5%, Endrin 3.2%
1044b4401.d	11AR071022-991B	HXJ1	120-DEC-2007 07:29		121907	1.01	Clean
1045b4501.d	11201483059	HXJ1	120-DEC-2007 07:40	1712273	199600	1.01MB	USE, uploaded both columns, reporting higher result
1046b4601.d	11201483060	HXJ1	120-DEC-2007 07:52	1712273	199600	1.01LCS	USE, uploaded both columns, reporting higher result
1047b4701.d	1199600001	HXJ1	120-DEC-2007 08:04	1712273	199600	1.01GEEL	USE, uploaded both columns, reporting higher result
1048b4801.d	11201483061	HXJ1	120-DEC-2007 08:15	1712273	199600	1.01MS	USE, uploaded both columns, reporting higher result
1049b4901.d	11201483062	HXJ1	120-DEC-2007 08:27	1712273	199600	1.01MSD	USE, uploaded both columns, reporting higher result
1050b5001.d	1199612001	HXJ1	120-DEC-2007 08:39	1712273	199612	10.01GEEL	USE, uploaded both columns, reporting higher result
1051b5101.d	1199612002	HXJ1	120-DEC-2007 08:51	1712273	199612	10.01GEEL	USE, uploaded both columns, reporting higher result
1052b5201.d	1199612003	HXJ1	120-DEC-2007 09:02	1712273	199612	10.01GEEL	USE, uploaded both columns, reporting higher result
1053b5301.d	11WE0711204-06AB	HXJ1	120-DEC-2007 09:14		121907	1.01	All okay
1054b5401.d	11AR071022-991B	HXJ1	120-DEC-2007 09:26		121907	1.01	Clean
1055b5501.d	11201482095	HXJ1	120-DEC-2007 09:37	1711844	199407	1.01MB	USE, uploaded both columns, reporting higher result

Instrument Batch: /chem/ecd5a.i/121907.b

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Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
1056b5601.d	1201482096	HXJ1	120-DEC-2007 09:49	1711844	199407	1.0 LCS	USE, uploaded both columns, reporting higher result	
1057b5701.d	1201482099	HXJ1	120-DEC-2007 10:01	1711844	199407	1.0 LCS	USE, uploaded both columns, reporting higher result	
1058b5801.d	199407001	HXJ1	120-DEC-2007 10:12	1711844	199407	10.0 GEEL	USE, uploaded both columns, reporting higher result	
1059b5901.d	199407002	HXJ1	120-DEC-2007 10:24	1711844	199407	10.0 GEEL	USE, uploaded both columns, reporting higher result	
1060b6001.d	199407003	HXJ1	120-DEC-2007 10:36	1711844	199407	10.0 GEEL	USE, uploaded both columns, reporting higher result	
1061b6101.d	199407004	HXJ1	120-DEC-2007 10:47	1711844	199407	10.0 GEEL	USE, uploaded both columns, reporting higher result	
							NCR - 4cmx elevated - matrix interference and dilution - no hits	
1062b6201.d	WP5071204-06AB	HXJ1	120-DEC-2007 10:59		121907	1.0	All okay	
1063b6301.d	WAR071022-991B	HXJ1	120-DEC-2007 11:11		121907	1.0	Clean	
1064b6401.d	1201482487	HXJ1	120-DEC-2007 11:23	1712022	198995	1.0 MB	USE, uploaded both columns, reporting higher result	
							14cmx low - reporting higher	

065b6501.d	1201482488	HXJ1	20-DEC-2007 11:34	712022	198995	1.0	LCS	USE, uploaded both columns, reporting higher result
066b6601.d	198995001	HXJ1	20-DEC-2007 11:46	712022	198995	1.0	SSFL	USE, uploaded both columns, reporting higher result
								NCR - DCB low - confirmed in PCB batch 712112
067b6701.d	WPE071204-06AB	HXJ1	20-DEC-2007 11:58		121907	1.0		(b) DDT elevated; (f) All okay
068b6801.d	WAR071022-991B	HXJ1	20-DEC-2007 12:09		121907	1.0		Clean
069b6901.d	199338001	HXJ1	20-DEC-2007 12:21	712022	199338	10.0	WSRB	USE, uploaded both columns, reporting higher result
								NCR - Surr. low - matrix interference and dilution
070b7001.d	1201482489	HXJ1	20-DEC-2007 12:33	712022	199338	10.0	MS	USE, uploaded both columns, reporting higher result
071b7101.d	1201482490	HXJ1	20-DEC-2007 12:45	712022	199338	10.0	MSD	USE, uploaded both columns, reporting higher result
								NCR - Surr. and spikes low - matrix interference and dilution
072b7201.d	199338002	HXJ1	20-DEC-2007 12:56	712022	199338	10.0	WSRB	USE, uploaded both columns, reporting higher result
073b7301.d	WPE071204-06AB	HXJ1	20-DEC-2007 13:08		121907	1.0		(b) DDT elevated; (f) All okay
074b7401.d	WAR071022-991B	HXJ1	20-DEC-2007 13:20		121907	1.0		Clean

GEL ORGANIC RUN LOG

INSTRUMENT ID: ECD5

DATE: 01/02/2008 METHOD: ECD5-B-8081-121907.B.m OPERATOR:HXJ1 REVIEWED BY: _____
 DATE: _____
 HARDWARE CONFIGURATION & METHOD SUMMARY: No. 1 on pg. 1 SOLVENT LOT CU480
 MERCURY LOT G12S014

Calibration & QC Information
 Initial Calibration Dates: See Calibration History and Standard Logbook.
 Initial Calibration Std ID's: See Calibration History and Standard Logbook.
 GEL SOP GL-OA-E-011 Analysis of Chlorophenoxo Acids by ECD : 8151A
 Chromatogram Abbreviation Legend: AB-Assign Baseline, AP-Assign Peak, and
 DNC-Do Not Call, NC-Not Confirmed, RT-Retention Time,
 BF-Before, AF-After.

Sequence Number: /chem/ecd5a.i/122807.b Injection Volume: 1.0 uL

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments

1001b0101.d	WAR071022-99IB	HXJ1	28-DEC-2007 18:23	1	122807	1	1.0	Clean

1002b0201.d	WPE071119-07DG	HXJ1	28-DEC-2007 18:35	1	122807	1	1.0	(b) DDT 5.8%, Endrin 2.2%; (f) DDT 3.2%, Endrin 1.1%

1003b0301.d	WPE071204-06AB	HXJ1	28-DEC-2007 18:46	1	122807	1	1.0	DUSE

1004b0401.d	WPE071211-19TX	HXJ1	28-DEC-2007 18:58	1	122807	1	1.0	All okay

1005b0501.d	WPE071211-01CL	HXJ1	28-DEC-2007 19:10	1	122807	1	1.0	Passes on average

1006b0601.d	WPE071207-14AB	HXJ1	28-DEC-2007 19:21	1	122807	1	1.0	INDAB ICAL level 1 - All %RSD's<10% - use for 608 and 8081 methods

1007b0701.d	WPE071207-15AB	HXJ1	28-DEC-2007 19:33	1	122807	1	1.0	INDAB ICAL level 2 - All %RSD's<10% - use for 608 and 8081 methods

1008b0801.d	WPE071207-16AB	HXJ1	28-DEC-2007 19:45	1	122807	1	1.0	INDAB ICAL level 3 - All %RSD's<10% - use for 608 and 8081 methods

1009b0901.d	WPE071207-17AB	HXJ1	28-DEC-2007 19:57	1	122807	1	1.0	INDAB ICAL level 4 - All %RSD's<10% - use for 608 and 8081 methods

1010b1001.d	IPE071207-01AB	HXJ1	28-DEC-2007 20:08	1	122807	1	1.0	INDAB ICAL level 5 - All %RSD's<10% - use for 608 and 8081 methods

1011b1101.d	WPE071204-06AB	HXJ1	28-DEC-2007 20:20	1	122807	1	1.0	All okay

1012b1201.d	MB PREFLORISIL	HXJ1	28-DEC-2007 20:32	1	122807	1	1.0	Pre-florisil screen passes - batch 712024 sent for reclean

1013b1301.d	LCs PREFLORISIL	HXJ1	28-DEC-2007 20:43	1	122807	1	1.0	Pre-florisil screen passes - batch 712024 sent for reclean

1014b1401.d	WAR071022-99IB	HXJ1	28-DEC-2007 20:55	1	122807	1	1.0	Clean

1015b1501.d	1201486972	HXJ1	28-DEC-2007 21:07	1714423	1199968	1	1.0	TB DUSE, uploaded both columns, reporting higher result

Instrument Batch: /chem/ecd5a.i/122807.b

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Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments

1016b1601.d	1201488015	HXJ1	28-DEC-2007 21:18	1714423	1199968	1	1.0	TB DUSE, uploaded both columns, reporting higher result

017b1701.d	1201488022	HXJ1	128-DEC-2007 21:30	714423	199968	1.0	LCS	USE, uploaded both columns, reporting higher result
018b1801.d	1201488023	HXJ1	128-DEC-2007 21:42	714423	199968	1.0	T LCS	USE, uploaded both columns, reporting higher result
019b1901.d	1201488024	HXJ1	128-DEC-2007 21:53	714423	199968	1.0	C LCS	USE, uploaded both columns, reporting higher result
020b2001.d	1201488025	HXJ1	128-DEC-2007 22:05	714423	199968	1.0	ALL	okay
021b2101.d	1201488026	HXJ1	128-DEC-2007 22:17	714423	199968	1.0	Clean	
022b2201.d	1201488027	HXJ1	128-DEC-2007 22:28	714423	199968	1.0	M MCP	USE, uploaded both columns, reporting higher result
023b2301.d	1201488028	HXJ1	128-DEC-2007 22:40	714423	199968	1.0	MS	USE, uploaded both columns, reporting higher result
024b2401.d	1201488029	HXJ1	128-DEC-2007 22:52	714423	199968	1.0	MSD	USE, uploaded both columns, reporting higher result
025b2501.d	1201488030	HXJ1	128-DEC-2007 23:04	714423	199968	1.0	TMS	USE, uploaded both columns, reporting higher result
026b2601.d	1201488031	HXJ1	128-DEC-2007 23:15	714423	199968	1.0	T MSD	USE, uploaded both columns, reporting higher result
027b2701.d	1201488032	HXJ1	128-DEC-2007 23:27	714423	199968	1.0	CMS	USE, uploaded both columns, reporting higher result
028b2801.d	1201488033	HXJ1	128-DEC-2007 23:39	714423	199968	1.0	C MSD	USE, uploaded both columns, reporting higher result
029b2901.d	1201488034	HXJ1	128-DEC-2007 23:50	714423	199968	1.0	M MCP	USE, uploaded both columns, reporting higher result
030b3001.d	1201488035	HXJ1	129-DEC-2007 00:02	714423	199968	1.0	ALL	okay
031b3101.d	1201488036	HXJ1	129-DEC-2007 00:13	714423	199968	1.0	Clean	
032b3201.d	1201488037	HXJ1	129-DEC-2007 00:25	714423	199968	1.0	MB	USE, uploaded both columns, reporting lower result
033b3301.d	1201488038	HXJ1	129-DEC-2007 00:37	714423	199968	1.0	C LCS	USE, uploaded both columns, reporting lower result
034b3401.d	1201488039	HXJ1	129-DEC-2007 00:48	714423	199968	1.0	T LCS	USE, uploaded both columns, reporting lower result
035b3501.d	1201488040	HXJ1	129-DEC-2007 01:00	714423	199968	1.0	C LANS	USE, uploaded both columns, reporting lower result
036b3601.d	1201488041	HXJ1	129-DEC-2007 01:12	714423	199968	1.0	MS	USE, uploaded both columns, reporting lower result
037b3701.d	1201488042	HXJ1	129-DEC-2007 01:23	714423	199968	1.0	MSD	USE, uploaded both columns, reporting lower result
038b3801.d	1201488043	HXJ1	129-DEC-2007 01:35	714423	199968	1.0	C LANS	USE, uploaded both columns, reporting lower result
039b3901.d	1201488044	HXJ1	129-DEC-2007 01:47	714423	199968	1.0	ALL	okay

Instrument Batch: /chem/ecd5a.i/122807.b Page: 2

040b4001.d	WAR071022-99IB	HXJ1	129-DEC-2007 01:59		122807	1.0	IClean	
041b4101.d	1201485489	HXJ1	129-DEC-2007 02:10	713340	199824	1.0	IMB	USE, uploaded both columns, reporting higher result
042b4201.d	1201485490	HXJ1	129-DEC-2007 02:22	713340	199824	1.0	LCS	USE, uploaded both columns, reporting higher result
043b4301.d	1199824001	HXJ1	129-DEC-2007 02:34	713340	199824	1.0	WSRB	USE, uploaded both columns, reporting higher result
044b4401.d	1201485491	HXJ1	129-DEC-2007 02:45	713340	199824	1.0	IMS	USE, uploaded both columns, reporting higher result
045b4501.d	1201485492	HXJ1	129-DEC-2007 02:57	713340	199824	1.0	MSD	USE, uploaded both columns, reporting higher result
046b4601.d	1199824002	HXJ1	129-DEC-2007 03:09	713340	199824	10.0	WSRB	USE, uploaded both columns, reporting higher result
								NCR - DCB fails high - matrix interference
047b4701.d	1199824003	HXJ1	129-DEC-2007 03:20	713340	199824	1.0	WSRB	USE, uploaded both columns, reporting higher result
048b4801.d	1199824004	HXJ1	129-DEC-2007 03:32	713340	199824	1.0	WSRB	USE, uploaded both columns, reporting higher result
049b4901.d	WP071204-06AB	HXJ1	129-DEC-2007 03:44		122807	1.0		All okay
050b5001.d	WAR071022-99IB	HXJ1	129-DEC-2007 03:55		122807	1.0		IClean
051b5101.d	1201486468	HXJ1	129-DEC-2007 04:07	713818	199824-1	1.0	MB	DUSE - LCS fails low - batch sent to be recleaned (see preflorisil)
								screen in seq. 010208.b)
052b5201.d	1201486469	HXJ1	129-DEC-2007 04:19	713818	199824-1	1.0	LCS	DUSE - LCS fails low - batch sent to be recleaned (see preflorisil)
								screen in seq. 010208.b)
053b5301.d	1199826001	HXJ1	129-DEC-2007 04:31	713818	199824-1	1.0	WSRB	DUSE - LCS fails low - batch sent to be recleaned (see preflorisil)
								screen in seq. 010208.b)
054b5401.d	1201486470	HXJ1	129-DEC-2007 04:42	713818	199824-1	1.0	IMS	DUSE - LCS fails low - batch sent to be recleaned (see preflorisil)
								screen in seq. 010208.b)
055b5501.d	1201486471	HXJ1	129-DEC-2007 04:54	713818	199824-1	1.0	MSD	DUSE - LCS fails low - batch sent to be recleaned (see preflorisil)
								screen in seq. 010208.b)

Instrument Batch: /chem/ecd5a.i/122807.b

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Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
056b5601.d	1199826002	HXJ1	129-DEC-2007 05:06	713818	199824-1	1.0	WSRB	DUSE - LCS fails low - batch sent to be recleaned (see preflorisil)
								screen in seq. 010208.b)
057b5701.d	WP071204-06AB	HXJ1	129-DEC-2007 05:17		122807	1.0		All okay
058b5801.d	WAR071022-99IB	HXJ1	129-DEC-2007 05:29		122807	1.0		IClean

GEL ORGANIC RUN LOG

INSTRUMENT ID: ECD5

DATE: 01/21/2008

METHOD: ECD5-B-8081-121907.B.m

OPERATOR:HXJ1

REVIEWED BY: _____
DATE: _____

HARDWARE CONFIGURATION & METHOD SUMMARY: No. 1 on pg. 1

SOLVENT LOT
MERCURY LOT

Calibration & QC Information
Initial Calibration Dates: See Calibration History and Standard Logbook.
Initial Calibration Std ID's: See Calibration History and Standard Logbook.
GEL SOP GL-OA-E-011 Analysis of Chlorophenoxo Acids by ECD : 8151A
Chromatogram Abbreviation Legend: AB-Assign Baseline, AP-Assign Peak, and
DNC-Do Not Call, NC-Not Confirmed, RT-Retention Time,
BF-Before, AF-After.

Sequence Number: /chem/ecd5a.i/012108.b

Injection Volume: 1.0 uL

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
001b0101.d	WAR071227-991B	HXJ1	121-JAN-2008 15:59		012108	1.01	IClean	
002b0201.d	WPE071119-07DG	HXJ1	121-JAN-2008 16:11		012108	1.01	(b) DDT 5.0%, Endrin 5.2%; (f) DDT 3.8%, Endrin 2.9%	
003b0301.d	WPE071221-06AB	HXJ1	121-JAN-2008 16:23		012108	1.01	IDUSE	
004b0401.d	WPE071211-19TX	HXJ1	121-JAN-2008 16:34		012108	1.01	ALL okay	
005b0501.d	WPE071211-01CHL	HXJ1	121-JAN-2008 16:46		012108	1.01	ALL okay	
006b0601.d	WPE071221-06AB	HXJ1	121-JAN-2008 16:58		012108	1.01	Passes on average	
007b0701.d	WAR071227-991B	HXJ1	121-JAN-2008 17:10		012108	1.01	IClean	
008b0801.d	1201499446	HXJ1	121-JAN-2008 17:21	1719462	012108	1.01	MB	USE, uploaded both columns, reporting higher result
009b0901.d	1201499447	HXJ1	121-JAN-2008 17:33	1719462	012108	1.01	LCS	USE, uploaded both columns, reporting higher result
010b1001.d	1201106004	HXJ1	121-JAN-2008 17:45	1719462	012106	1.01	METO	USE, uploaded both columns, reporting higher result
								INCR - 4cmx fails low - no sample left for reextraction -
								Isurrogates pass in PCB batch 719145
011b1101.d	1201061001	HXJ1	121-JAN-2008 17:57	1719462	0121061	1.01	GEEL	USE, uploaded both columns, reporting higher result
012b1201.d	1201061002	HXJ1	121-JAN-2008 18:08	1719462	0121061	1.01	GEEL	USE, uploaded both columns, reporting higher result
013b1301.d	1201061003	HXJ1	121-JAN-2008 18:20	1719462	0121061	1.01	GEEL	USE, uploaded both columns, reporting higher result
014b1401.d	1201061004	HXJ1	121-JAN-2008 18:31	1719462	0121061	1.01	GEEL	USE, uploaded both columns, reporting higher result
015b1501.d	1201061005	HXJ1	121-JAN-2008 18:43	1719462	0121061	1.01	GEEL	USE, uploaded both columns, reporting higher result

Instrument Batch: /chem/ecd5a.i/012108.b

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Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments

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016b1601.d	WPE071221-06AB	HXJ1	21-JAN-2008 18:55	719446	012108	1.0	All okay	
017b1701.d	WAR071227-99IB	HXJ1	21-JAN-2008 19:06		012108	1.0	Clean	
018b1801.d	201226001	HXJ1	21-JAN-2008 19:18	719462	201226	1.0 CATL	USE, uploaded both columns, reporting higher result	
019b1901.d	201226002	HXJ1	21-JAN-2008 19:30	719462	201226	1.0 CATL	USE, uploaded both columns, reporting higher result	
020b2001.d	201226003	HXJ1	21-JAN-2008 19:41	719462	201226	1.0 CATL	USE, uploaded both columns, reporting higher result	
021b2101.d	WPE071221-06AB	HXJ1	21-JAN-2008 19:53	719446	012108	1.0	All okay	
022b2201.d	WAR071227-99IB	HXJ1	21-JAN-2008 20:05		012108	1.0	Clean	
023b2301.d	201062002	HXJ1	21-JAN-2008 20:16	719462	201062	1.0 GEEL	USE, uploaded both columns, reporting higher result	
024b2401.d	1201499448	HXJ1	21-JAN-2008 20:28	719462	201062	1.0 MS	USE, uploaded both columns, reporting higher result	
025b2501.d	1201499449	HXJ1	21-JAN-2008 20:40	719462	201062	1.0 MSD	USE, uploaded both columns, reporting higher result	
026b2601.d	201199002	HXJ1	21-JAN-2008 20:51	719462	201199	1.0 GEEL	USE, uploaded both columns, reporting higher result	
027b2701.d	201199003	HXJ1	21-JAN-2008 21:03	719462	201199	1.0 GEEL	USE, uploaded both columns, reporting higher result	
028b2801.d	201199004	HXJ1	21-JAN-2008 21:15	719462	201199	1.0 GEEL	USE, uploaded both columns, reporting higher result	
029b2901.d	201199005	HXJ1	21-JAN-2008 21:26	719462	201199	1.0 GEEL	USE, uploaded both columns, reporting higher result	
030b3001.d	201199006	HXJ1	21-JAN-2008 21:38	719462	201199	1.0 GEEL	USE, uploaded both columns, reporting higher result	
031b3101.d	201199007	HXJ1	21-JAN-2008 21:50	719462	201199	1.0 GEEL	USE, uploaded both columns, reporting higher result	
032b3201.d	WPE071221-06AB	HXJ1	21-JAN-2008 22:01	719446	012108	1.0	All okay	
033b3301.d	WAR071227-99IB	HXJ1	21-JAN-2008 22:13		012108	1.0	Clean	
034b3401.d	1201499200	HXJ1	21-JAN-2008 22:25	719345	08-497	1.0 MB	USE, uploaded both columns, reporting lower result	
035b3501.d	1201499201	HXJ1	21-JAN-2008 22:37	719345	08-497	1.0 LCS	NCR - 4cmx fails low - all other recoveries pass, no hits in sample	
036b3601.d	1201499202	HXJ1	21-JAN-2008 23:12	719345	08-497	1.0 MS	USE, uploaded both columns, reporting lower result	
037b3701.d	1201499203	HXJ1	21-JAN-2008 23:23	719345	08-497	1.0 MSD	USE, uploaded both columns, reporting lower result	

Instrument Batch: /chem/ecd5a.i/012108.b

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Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
036b3601.d	1201499204	HXJ1	21-JAN-2008 22:48	719345	08-497	1.0 TLCs	USE, uploaded both columns, reporting lower result	
037b3701.d	1200957005	HXJ1	21-JAN-2008 23:00	719345	08-497	1.0 LANL	USE, uploaded both columns, reporting lower result	
038b3801.d	1201499202	HXJ1	21-JAN-2008 23:12	719345	08-497	1.0 MS	USE, uploaded both columns, reporting lower result	
039b3901.d	1201499203	HXJ1	21-JAN-2008 23:23	719345	08-497	1.0 MSD	USE, uploaded both columns, reporting lower result	

Instrument Batch: /chem/ecd5a.i/012108.b											Page: 3
Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments			
040b4001.d	WPE071221-06AB	HXJ1	121-JAN-2008 23:35	719446	012108	1.01		All okay	NCR - RPD fails? - all other recoveries pass, no hits in sample		
041b4101.d	WAR071227-991B	HXJ1	121-JAN-2008 23:47		012108	1.01		Clean			
042b4201.d	1201498287	HXJ1	121-JAN-2008 23:58	719446	08-492-1	1.01	TB	USE, uploaded both columns, reporting lower result			
043b4301.d	1201499428	HXJ1	122-JAN-2008 00:10	719446	08-492-1	1.01	MB	USE, uploaded both columns, reporting lower result			
044b4401.d	1201499435	HXJ1	122-JAN-2008 00:22	719446	08-492-1	1.01	LCS	USE, uploaded both columns, reporting lower result			
045b4501.d	1201499436	HXJ1	122-JAN-2008 00:33	719446	08-492-1	1.01	TICS	USE, uploaded both columns, reporting lower result			
046b4601.d	1201499437	HXJ1	122-JAN-2008 00:45	719446	08-492-1	1.01	CLCS	USE, uploaded both columns, reporting lower result			
047b4701.d	WPE071221-06AB	HXJ1	122-JAN-2008 00:57		012108	1.01		All okay			
048b4801.d	WAR071227-991B	HXJ1	122-JAN-2008 01:08		012108	1.01		Clean			
049b4901.d	1200953001	HXJ1	122-JAN-2008 01:20	719446	08-492-1	1.01	LANL	USE, uploaded both columns, reporting lower result			
050b5001.d	1201499429	HXJ1	122-JAN-2008 01:32	719446	08-492-1	1.01	MS	USE, uploaded both columns, reporting lower result			
051b5101.d	1201499432	HXJ1	122-JAN-2008 01:43	719446	08-492-1	1.01	MSD	USE, uploaded both columns, reporting lower result			
052b5201.d	1201499430	HXJ1	122-JAN-2008 01:55	719446	08-492-1	1.01	TWS	USE, uploaded both columns, reporting lower result			
053b5301.d	1201499433	HXJ1	122-JAN-2008 02:07	719446	08-492-1	1.01	TMSD	USE, uploaded both columns, reporting lower result			
054b5401.d	1201499431	HXJ1	122-JAN-2008 02:18	719446	08-492-1	1.01	CMS	USE, uploaded both columns, reporting lower result			
055b5501.d	1201499434	HXJ1	122-JAN-2008 02:30	719446	08-492-1	1.01	CMSD	USE, uploaded both columns, reporting lower result			
056b5601.d	1200953002	HXJ1	122-JAN-2008 02:42	719446	08-492-1	1.01	LANL	USE, uploaded both columns, reporting lower result			
057b5701.d	1200953003	HXJ1	122-JAN-2008 02:53	719446	08-492-1	1.01	LANL	USE, uploaded both columns, reporting lower result			
058b5801.d	WPE071221-06AB	HXJ1	122-JAN-2008 03:05		012108	1.01		All okay			
059b5901.d	WAR071227-991B	HXJ1	122-JAN-2008 03:17		012108	1.01		Clean			

Instrument Batch: /chem/ecd5a.i/012108.b

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Prep Logbook

Extraction of Semivolatile and Nonvolatile Organic Compounds from Groundwater, Wastewater and Other Aqueous Samples

Batch ID: 719458 Verified by: _____
 Analyst: Andrew Schwenin
 Method: SW846 3510C
 Lab SOP: GL-OA-E-013 REV# 17
 Instrument: Semi-Volatiles Manual

Sample ID	Run Date	Initial Volume (mL)	Int Ext pH	Final Volume (mL)	Prepped Factor (mL/mL)	Comments:
1201499446 MB	21-JAN-2008 16:06:36	1000	5<x<9	5	0.005	
1201499447 LCS	21-JAN-2008 16:06:36	1000	5<x<9	5	0.005	
201061001	21-JAN-2008 16:06:36	1060	5<x<9	5	0.00472	
201061002	21-JAN-2008 16:06:36	1060	5<x<9	5	0.00472	
201061003	21-JAN-2008 16:06:36	1060	5<x<9	5	0.00472	
201061004	21-JAN-2008 16:06:36	1060	5<x<9	5	0.00472	
201061005	21-JAN-2008 16:06:36	1060	5<x<9	5	0.00472	
201062002	21-JAN-2008 16:06:36	1000	5<x<9	5	0.005	
1201499448 MS (201062002)	21-JAN-2008 16:06:36	500	5<x<9	2.5	0.005	
1201499449 MSD (201062002)	21-JAN-2008 16:06:36	500	5<x<9	2.5	0.005	
201106004	21-JAN-2008 16:06:36	500	5<x<9	2.5	0.005	
201199002	21-JAN-2008 16:06:36	1060	5<x<9	5	0.00472	
201199003	21-JAN-2008 16:06:36	1060	5<x<9	5	0.00472	
201199004	21-JAN-2008 16:06:36	1060	5<x<9	5	0.00472	
201199005	21-JAN-2008 16:06:36	1060	5<x<9	5	0.00472	
201199006	21-JAN-2008 16:06:36	1060	5<x<9	5	0.00472	
201199007	21-JAN-2008 16:06:36	1060	5<x<9	5	0.00472	
201226001	21-JAN-2008 16:06:36	1040	5<x<9	5	0.00481	
201226002	21-JAN-2008 16:06:36	1040	5<x<9	5	0.00481	
201226003	21-JAN-2008 16:06:36	950	5<x<9	5	0.00526	
Type	Sample Id	Description	Serial Number	Spike Amt	Units	
LCS	1201499447	PESTSPIKE	UE071203-10	1	mL	Clean up Date: 1/21/08
MS	1201499448	PESTSPIKE	UE071203-10	.5	mL	Clean up Initials: AIS
MSD	1201499449	PESTSPIKE	UE071203-10	.5	mL	Verified By: zvm
SURR All		PEST SURROGATE 1000 U/G/L	UE070920-06	.5	mL	Final Solvent: Hexane
SURR All		PEST SURROGATE 1000 U/G/L	UE070920-06	1	mL	Clean Up SOP: GL-OA-E-036
REGNT All		1:1 Sulfuric Acid	070906-E	5	mL	
REGNT All		Hexane	071214-B2	5	mL	
REGNT All		Methylene Chloride	733752-D	180	mL	
SOURC All		SODIUM SULFATE	653271	30	g	

COMPANY – WIDE NONCONFORMANCE REPORT			
Mo.Day Yr. 23-JAN-08	Division: Industrial	Quality Criteria: Specifications	Type: Process
Instrument Type: GC/ECD	Test / Method: SW846 8081A	Matrix Type: Liquid	Client Code: CATL, METO, RPBL
Batch ID: 719462	Sample Numbers: See Below		
Potentially affected work order(s)(SDG): 201061,201062,201106,201199,201226 Application Issues: Sample Analyzed out of Holding Failed Yield for Surrogates			
Specification and Requirements		NRG Disposition:	
Nonconformance Description: 1. Sample 201106004 failed yield for surrogate 4cmx at 41.11% (limit 42.40-107.10%). 2. Sample 201226003 was extracted after its hold time had expired.		1. Report the data as is. There is no sample left for re-extraction. 2. Report the data as is. The sample was received on the date that the hold time expired (18-JAN-2008); the sample was not extracted until 21-JAN-2008.	

Originator's Name:

Heather Joy 23-JAN-08

Data Validator/Group Leader:

Jimin Cao 24-JAN-08

Quality Review:

Director:

GC
SEMIVOLATILE
PCB
ANALYSIS

PCB Case Narrative
IR Site 13 - Catlin Engineers and Scientists (CATL)
SDG 201226

Method/Analysis Information

Procedure: Analysis of Polychlorinated Biphenyls by ECD
Analytical Method: SW846 8082
Prep Method: SW846 3510C
Analytical Batch Number: 719135, 721032
Prep Batch Number: 719131, 721031

Sample Analysis

The following samples were analyzed using the analytical protocol as established in SW846 8082:

Sample ID	Client ID
201226001	IR13-SB02
201226002	IR13-SB03
1201498636	Method Blank (MB) (Batch 719135)
1201498637	Laboratory Control Sample (LCS) (Batch 719135)
1201498638	201062002(MW-1A) Matrix Spike (MS) (Batch 719135)
1201498639	201062002(MW-1A) Matrix Spike Duplicate (MSD) (Batch 719135)
1201502582	Method Blank (MB) (Batch 721032)
1201502583	Laboratory Control Sample (LCS) (Batch 721032)
1201502584	201259003(CW-3D) Matrix Spike (MS) (Batch 721032)
1201502585	201259003(CW-3D) Matrix Spike Duplicate (MSD) (Batch 721032)

The samples in this SDG were analyzed on an "as received" basis.

Preparation/Analytical Method Verification

SOP Reference

Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-OA-E-040 REV# 11.

Raw data reports are processed and reviewed by the analyst using the Target software package. False positives have been removed from the Target quantitation reports per standard operating procedures (SOP) section 23.0.

Calibration Information

Please note that the 'Cal Date' indicated on each quantitation report reflects the date and time of the most recent calibrated analyte(s) in the Target processing method. Since the laboratory may calibrate with multiple solutions on different days using the same processing method, the Target software will update the 'Cal Date' to the last calibration file, date and time. The correct dates and times for all calibration files are located on the Calibration History report in the Standard Data section in the data package.

Due to software limitations, the Calibration Summary Form 6 may not indicate all the calibration files comprising the initial calibration. A complete list of the initial calibration data files are shown in the Calibration History report located in the Standard Data section of the data package.

Initial Calibration

All initial calibration requirements have been met for this sample delivery group (SDG).

The linear equation used in Target and indicated on the initial calibration summary form is not a conventional linear equation (slope intercept formula) and does not match the equation found in SW-846 method 8000B. The x and y axes are inverted in Target, so that the instrument response is treated as the independent variable (x) and the concentration ratio is treated as the dependent variable (y). The equation used in Target to calculate sample results is adjusted to account for the linear equation inversion and reciprocal slope. The adjusted calculation has been independently verified to produce valid results.

Continuing Calibration Verification (CCV) Requirements

All associated calibration verification standard(s) (ICV or CCV) did meet the acceptance criteria.

Quality Control (QC) Information

Method Blank (MB) Statement

The MB(s) analyzed with this SDG met the acceptance criteria. QC sample 1201502582 (MB), in batch 721032, was contaminated with Aroclor-1242 (below the PQL). See NCR #517400 located in the Miscellaneous Section.

Surrogate Recoveries

Sample 201226002 (IR13-SB03) did not meet the surrogate recovery acceptance criteria for 4-cmx. The sample was re-extracted out of holding. The re-extracted sample met the surrogate recovery acceptance criteria. Both sets of data are reported in the package. See NCR #516269 located in the Miscellaneous Section.

Laboratory Control Sample (LCS) Recovery

The LCS spike recoveries met the acceptance limits.

QC Sample Designation

Two non-CATL samples of similar matrix from other SDGs were selected for the matrix spike and matrix spike duplicate analysis in batches 719135 and 721032.

Matrix Spike (MS) Recovery Statement

The MS recoveries were within the established acceptance limits.

Matrix Spike Duplicate (MSD) Recovery Statement

The MSD recoveries were within the established acceptance limits.

MS/MSD Relative Percent Difference (RPD) Statement

The RPD(s) between the MS and MSD met the acceptance limits.

Technical Information

Holding Time Specifications

GEL assigns holding times based on the associated methodology, which assigns the date and time from sample

collection of sample receipt. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. Sample 201226002 (IR13-SB03) was re-extracted out of holding. See NCR located in the Miscellaneous Section.

Preparation/Analytical Method Verification

All procedures were performed as stated in the SOP.

Sample Dilutions

The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis

. Sample 201226002 (IR13-SB03) was re-extracted due to surrogate failure.

Miscellaneous Information

Electronic Package Comment

The following package was generated using an electronic data processing program referred to as "virtual packaging". In an effort to increase quality and efficiency, the laboratory is developing systems to eventually generate all data packages electronically. The following change from "traditional" packages should be noted:

Analyst/peer reviewer initials and dates are not present on the electronic data files. Presently, all initials and dates are present on the original raw data. These hard copies are temporarily stored in the laboratory. An electronic signature page inserted after the case narrative of each electronic package will indicate the analyst, reviewer, and report specialist names associated with the generation of the data and package. The data validator will always sign and date the case narrative. Data that are not generated electronically, such as hand written pages, will be scanned and inserted into the electronic package.

Nonconformance (NCR) Documentation

Nonconformance Report (NCR) is for documentation of any procedural anomalies that may deviate from referenced SOP or contractual document. NCRs # 516269 and # 517400 were generated for this SDG. Copies are included in the Miscellaneous Data section of this package.

Manual Integrations

Certain standards and samples may have required manual integration to correctly position the baseline as set in the calibration standard injections. If manual integration was performed, copies of all manual integration peak profiles are included in the raw data section of this PCB fraction.

Additional Comments

The additional comments field is used to address special issues associated with each analysis, clarify method/contractual issues pertaining to the analysis, and to list any report documents generated as a result of sample analysis or review. The following additional comments were required:

The higher results from either column have been chosen and reported in the data package for the client samples, MB and LCS. The data reported for the MS and MSD are from the same analytical column as the parent sample.

The data reported on the form I and III may differ slightly from the data reported on the form X. This is due to software limitations in rounding differences between the forms.

Aroclors quantitated on the raw data report by the Target data system do not necessarily represent positive Aroclor identification. In order for positive identification to be made, the Aroclor must match in pattern and retention time; as well as quantitate relatively close between the primary and confirmation columns, as specified in SW846 method 8000. When these conditions are not met, the Aroclor is reported as a non-detect on the data report. These situations will be noted on the raw data as DMP, representing does not match pattern, or DNC does not confirm.

Due to software limitation, the Form VIIs will display the results either in the % difference or % drift depending on the type of the calibration curve. If the curve of all analytes is generated using an average response factor (RF), the Form VII will display results using the %difference calculation (RF). If the curve of one or more analytes is

generated using a linear curve, the Form VII will display results using the % drift calculation (by concentration) for all analytes.

System Configuration

The Semi-Volatiles-PCB analysis was performed on a HP Gas Chromatograph.

Instrument ID	System Configuration	Column ID	Column Description
ECD8A.I_1	HP6890 Series ECD	Rtx-CLP I	30m x 0.25mm, 0.25um (Rtx-CLPesticide I)
ECD8A.I_2	HP6890 Series ECD	Rtx-CLP II	30m x 0.25mm, 0.20um (Rtx-CLPesticide II)

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation

GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.

The following data validator verified the information presented in this case narrative.

Reviewer: Jared M. Wynn Date: 2/6/08

Roadmap for CATL 201226 PCB

This roadmap was analyzed by Jennifer Criscione on 01-29-2008, 09:17.

This roadmap was reviewed by Jimin Cao on 01-29-2008, 12:22.

This roadmap was packaged by Yvette Lampkin on 02-01-2008, 12:41.

This roadmap was validated by Jared Wagner on 02-06-2008, 09:14.

Front Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	clientid	dilution	prebatchid	comment
☐	N	/chem/ecd8a.i/012208.b/0181801.d	201226001	sample	22-JAN-2008	12:21	201226.sub	IR13-SB02	1.00000	719135	UPLOAD BOTH, USE HIGHER
☐	N	/chem/ecd8a.i/012208.b/0191901.d	201226002	sample	22-JAN-2008	12:34	201226.sub	IR13-SB03	1.00000	719135	SENT FOR RE DUE TO LOW 4CMX
☒	N	/chem/ecd8a.i/012308.b/03313301.d	201226002	sample	23-JAN-2008	15:12	201226.sub	IR13-SB03	1.00000	720242	DUSE 1242 HITS
☐	N	/chem/ecd8a.i/012508.b/01311301.d	201226002	sample	25-JAN-2008	09:57	201226.sub	IR13-SB03RE	1.00000	721032	UPLOAD BOTH, USE HIGHER

Back Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	clientid	dilution	prebatchid	comment
☐	N	/chem/ecd8a.i/012208.b/0181801.d	201226001	sample	22-JAN-2008	12:21	201226.sub	IR13-SB02	1.00000	719135	UPLOAD BOTH, USE HIGHER
☐	N	/chem/ecd8a.i/012208.b/0191901.d	201226002	sample	22-JAN-2008	12:34	201226.sub	IR13-SB03	1.00000	719135	SENT FOR RE DUE TO LOW 4CMX
☒	N	/chem/ecd8a.i/012308.b/03313301.d	201226002	sample	23-JAN-2008	15:12	201226.sub	IR13-SB03	1.00000	720242	DUSE 1242 HITS
☐	N	/chem/ecd8a.i/012508.b/01311301.d	201226002	sample	25-JAN-2008	09:57	201226.sub	IR13-SB03RE	1.00000	721032	UPLOAD BOTH, USE HIGHER

Front QC Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	clientid	dilution	prebatchid	comment
☐	N	/chem/ecd8a.i/012208.b/01111101.d	1201498636	mb	22-JAN-2008	10:55	201226.sub	PBLK01	1.00000	719135	UPLOAD BOTH, USE HIGHER
☒	N	/chem/ecd8a.i/012308.b/03113101.d	1201500981	mb	23-JAN-2008	14:47	201226.sub	PBLK01	1.00000	720242	DUSE 1242 HITS
☐	N	/chem/ecd8a.i/012508.b/01111101.d	1201502582	mb	25-JAN-2008	09:32	201226.sub	PBLK02	1.00000	721032	UPLOAD BOTH, USE HIGHER
☐	N	/chem/ecd8a.i/012208.b/01211201.d	1201498637	lcs	22-JAN-2008	11:07	201226.sub	PBLK01LCS	1.00000	719135	UPLOAD BOTH, USE HIGHER
☒	N	/chem/ecd8a.i/012308.b/03213101.d	1201500982	lcs	23-JAN-2008	14:59	201226.sub	PBLK01LCS	1.00000	720242	DUSE 1242 HITS
☐	N	/chem/ecd8a.i/012508.b/01211201.d	1201502583	lcs	25-JAN-2008	09:45	201226.sub	PBLK02LCS	1.00000	721032	UPLOAD BOTH, USE HIGHER

Back QC Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	clientid	dilution	prebatchid	comment
☐	N	/chem/ecd8a.i/012208.b/01111101.d	1201498636	mb	22-JAN-2008	10:55	201226.sub	PBLK01	1.00000	719135	UPLOAD BOTH, USE HIGHER
☒	N	/chem/ecd8a.i/012308.b/03113101.d	1201500981	mb	23-JAN-2008	14:47	201226.sub	PBLK01	1.00000	720242	DUSE 1242 HITS
☐	N	/chem/ecd8a.i/012508.b/01111101.d	1201502582	mb	25-JAN-2008	09:32	201226.sub	PBLK02	1.00000	721032	UPLOAD BOTH, USE HIGHER
☐	N	/chem/ecd8a.i/012208.b/01211201.d	1201498637	lcs	22-JAN-2008	11:07	201226.sub	PBLK01LCS	1.00000	719135	UPLOAD BOTH, USE HIGHER

☒	N	/chem/ccd8a.i/012308.b/03263201.d	1201500982	lcs	23-JAN-2008	14:59	201226.sub	PBLK01LCS	1.00000	720242	USE 1242 HJ18
☐	N	/chem/ccd8a.i/012508.b/012b1201.d	1201502583	lcs	25-JAN-2008	09:45	201226.sub	PBLK02LCS	1.00000	721032	UPLOAD BOTH, USE HIGHER

SAMPLE DATA SUMMARY

PCB
Certificate of Analysis
Sample Summary

SDG Number:	201226	Date Collected:	01/14/2008 14:00	Matrix:	GROUND WATER
Lab Sample ID:	201226001	Date Received:	01/18/2008 09:15		
Client ID:	IR13-SB02	Client:	CATL002	Project:	CATL00107
Batch ID:	719135	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Run Date:	01/22/2008 12:21	Inst:	ECD8A.I	Dilution:	1
Prep Date:	01/21/2008 15:50	Analyst:	JAOC	Inj. Vol:	1 uL
Data File:	018f1801.d	Aliquot:	1050 mL	Final Volume:	1 mL
	018b1801.d	Column:	1 CLP1	Level:	LOW
			2 CLP2		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
12674-11-2	Aroclor-1016	U	0.0952	ug/L	0.0317	0.0952	1
11104-28-2	Aroclor-1221	U	0.0952	ug/L	0.0317	0.0952	1
11141-16-5	Aroclor-1232	U	0.0952	ug/L	0.0317	0.0952	1
53469-21-9	Aroclor-1242	U	0.0952	ug/L	0.0317	0.0952	1
12672-29-6	Aroclor-1248	U	0.0952	ug/L	0.0317	0.0952	1
11097-69-1	Aroclor-1254	U	0.0952	ug/L	0.0317	0.0952	1
11096-82-5	Aroclor-1260	U	0.0952	ug/L	0.0317	0.0952	1

PCB
Certificate of Analysis
Sample Summary

SDG Number: 201226	Date Collected: 01/14/2008 15:00	Matrix: GROUND WATER
Lab Sample ID: 201226002	Date Received: 01/18/2008 09:15	
Client ID: IR13-SB03	Client: CATL002	Project: CATL00107
Batch ID: 719135	Method: SW846 8082	SOP Ref: GL-OA-E-040
Run Date: 01/22/2008 12:34	Inst: ECD8A.I	Dilution: 1
Prep Date: 01/21/2008 15:50	Analyst: JAOC	Inj. Vol: 1 uL
Data File: 019f1901.d	Aliquot: 1050 mL	Final Volume: 1 mL
019b1901.d	Column: 1 CLP1	Level: LOW
	2 CLP2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
12674-11-2	Aroclor-1016	U	0.0952	ug/L	0.0317	0.0952	1
11104-28-2	Aroclor-1221	U	0.0952	ug/L	0.0317	0.0952	1
11141-16-5	Aroclor-1232	U	0.0952	ug/L	0.0317	0.0952	1
53469-21-9	Aroclor-1242	U	0.0952	ug/L	0.0317	0.0952	1
12672-29-6	Aroclor-1248	U	0.0952	ug/L	0.0317	0.0952	1
11097-69-1	Aroclor-1254	U	0.0952	ug/L	0.0317	0.0952	1
11096-82-5	Aroclor-1260	U	0.0952	ug/L	0.0317	0.0952	1

PCB
Certificate of Analysis
Sample Summary

SDG Number: 201226	Date Collected: 01/14/2008 15:00	Matrix: GROUND WATER
Lab Sample ID: 201226002	Date Received: 01/18/2008 09:15	
	Client: CATL002	Project: CATL00107
Client ID: 1R13-SB03RE	Method: SW846 8082	SOP Ref: GL-OA-E-040
Batch ID: 721032	Inst: ECD8A.I	Dilution: 1
Run Date: 01/25/2008 09:57	Analyst: JAOC	Inj. Vol: 1 uL
Prep Date: 01/24/2008 15:45	Aliquot: 1040 mL	Final Volume: 1 mL
Data File: 013f1301.d	Column: 1 CLP1	Level: LOW
	2 CLP2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
12674-11-2	Aroclor-1016	Uh	0.0962	ug/L	0.032	0.0962	1
11104-28-2	Aroclor-1221	Uh	0.0962	ug/L	0.032	0.0962	1
11141-16-5	Aroclor-1232	Uh	0.0962	ug/L	0.032	0.0962	1
53469-21-9	Aroclor-1242	BJPh	0.062	ug/L	0.032	0.0962	2
12672-29-6	Aroclor-1248	Uh	0.0962	ug/L	0.032	0.0962	1
11097-69-1	Aroclor-1254	Uh	0.0962	ug/L	0.032	0.0962	1
11096-82-5	Aroclor-1260	Uh	0.0962	ug/L	0.032	0.0962	1

QUALITY CONTROL SUMMARY

PCB
Surrogate Recovery Report

Page 1 of 1

SDG Number: 201226

Matrix Type: LIQUID

CAP Column (1) : CLP1

CAP Column (2) : CLP2

Sample ID	Client ID	4CMX 1 %REC #	4CMX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #
1201498636	MB for batch 719131	45	49	79	84
1201498637	LCS for batch 719131	48	52	78	83
201226001	IR13-SB02	42	44	52	54
201226002	IR13-SB03	37 *	40 *	52	54
1201502582	MB for batch 721031	61	60	82	85
1201502583	LCS for batch 721031	61	60	80	83
201226002	IR13-SB03RE	62	60	57	59

Surrogate**Acceptance Limits**

4CMX = 4cmx

(42%–107%)

DCB = Decachlorobiphenyl

(37%–115%)

* Recovery outside Acceptance Limits

Column to be used to flag recovery values

D Sample Diluted

PCB

Page 1 of 1

Quality Control Summary
Spike Recovery Report

SDG Number:	201226	Sample Type:	Laboratory Control Sample
Client ID:	LCS for batch 719131	Matrix:	GROUND WATER
Lab Sample ID:	1201498637		
Instrument:	ECD8A.1	Analysis Date:	01/22/2008 11:07
Analyst:	JAOC	Prep Batch ID:	719131
Inj. Vol:	1 uL	Batch ID:	719135
		Dilution:	1

CAS No	Parmname	Amount Added ug/L	Sample Conc. ug/L	Spike Conc. ug/L	Recovery %	Acceptance Limits
12674-11-2	LCS Aroclor-1016	1.00	0.0	0.720	72	56-109
11096-82-5	LCS Aroclor-1260	1.00	0.0	0.850	85	60-105

PCB

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Quality Control Summary
Spike Recovery Report

SDG Number:	201226	Sample Type:	Laboratory Control Sample
Client ID:	LCS for batch 721031	Matrix:	GROUND WATER
Lab Sample ID:	1201502583		
Instrument:	ECD8A.I	Analysis Date:	01/25/2008 09:45
Analyst:	JAOC	Prep Batch ID:	721031
Inj. Vol:	1 uL	Batch ID:	721032
		Dilution:	1

CAS No	Parmname	Amount Added ug/L	Sample Conc. ug/L	Spike Conc. ug/L	Recovery %	Acceptance Limits
12674-11-2	LCS Aroclor-1016	1.00	0.0	0.770	77	56-109
11096-82-5	LCS Aroclor-1260	1.00	0.0	0.850	85	60-105

Method Blank Summary

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SDG Number:	201226	Client:	CATL002	Matrix:	GROUND WATER
Client ID:	MB for batch 719131	Instrument ID:	ECD8A.I_2	Data File:	011b1101.d
Lab Sample ID:	1201498636		ECD8A.I_1		011f1101.d
Column:	CLP2	Prep Date:	01/21/2008 15:50	Analyzed:	01/22/08 10:55
	CLP1	Level:	LOW		

This method blank applies to the following samples and quality control samples:

Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01 LCS for batch 719131	1201498637	012f1201.d 012b1201.d	01/22/08	1107
04 IR13-SB02	201226001	018f1801.d 018b1801.d	01/22/08	1221
05 IR13-SB03	201226002	019f1901.d 019b1901.d	01/22/08	1234

Method Blank Summary

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SDG Number:	201226	Client:	CATL002	Matrix:	GROUND WATER
Client ID:	MB for batch 721031	Instrument ID:	ECD8A.I_2	Data File:	011b1101.d
Lab Sample ID:	1201502582		ECD8A.I_1		011f1101.d
Column:	CLP2	Prep Date:	01/24/2008 15:45	Analyzed:	01/25/08 09:32
	CLP1	Level:	LOW		

This method blank applies to the following samples and quality control samples:

Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01 LCS for batch 721031	1201502583	012f1201.d 012b1201.d	01/25/08	0945
02 1R13-SB03RE	201226002	013f1301.d 013b1301.d	01/25/08	0957

SAMPLE DATA

PCB
Certificate of Analysis
Sample Summary

SDG Number: 201226	Date Collected: 01/14/2008 14:00	Matrix: GROUND WATER
Lab Sample ID: 201226001	Date Received: 01/18/2008 09:15	
Client ID: IR13-SB02	Client: CATL002	Project: CATL00107
Batch ID: 719135	Method: SW846 8082	SOP Ref: GL-OA-E-040
Run Date: 01/22/2008 12:21	Inst: ECD8A.I	Dilution: 1
Prep Date: 01/21/2008 15:50	Analyst: JAOC	Inj. Vol: 1 uL
Data File: 018f1801.d	Aliquot: 1050 mL	Final Volume: 1 mL
	Column: 1 CLP1	Level: LOW
	2 CLP2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
12674-11-2	Aroclor-1016	U	0.0952	ug/L	0.0317	0.0952	1
11104-28-2	Aroclor-1221	U	0.0952	ug/L	0.0317	0.0952	1
11141-16-5	Aroclor-1232	U	0.0952	ug/L	0.0317	0.0952	1
53469-21-9	Aroclor-1242	U	0.0952	ug/L	0.0317	0.0952	1
12672-29-6	Aroclor-1248	U	0.0952	ug/L	0.0317	0.0952	1
11097-69-1	Aroclor-1254	U	0.0952	ug/L	0.0317	0.0952	1
11096-82-5	Aroclor-1260	U	0.0952	ug/L	0.0317	0.0952	1

Data File: /chem/ecd8a.i/012208.b/018f1801.d
Report Date: 23-Jan-2008 14:52

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GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/018f1801.d

Lab Smp Id: 201226001 Client Smp ID: IR13-SB02

Inj Date : 22-JAN-2008 12:21

Operator : JAOC Inst ID: ecd8a.i

Smp Info : |201226001|1|

Misc Info : |ECD82P_1LF|719135|SVAF|CATL|GROUND WATER|IR13-SB02|||

Comment :

Method : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m

Meth Date : 22-Jan-2008 16:31 jen01212 Quant Type: ESTD

Cal Date : 26-DEC-2007 13:08 Cal File: 026f2601.d

Als bottle: 18

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 201226.sub

Target Version: 3.50

Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1050.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	
\$ 11 4cmx CAS #: 877-09-8							
2.138	2.138	0.000	6389772	83.6882	0.080 80.00- 120.00	100.00 (R)	

\$ 12 Decachlorobiphenyl CAS #: 2051-24-3							
6.076	6.076	0.000	3265785	103.524	0.098 80.00- 120.00	100.00	

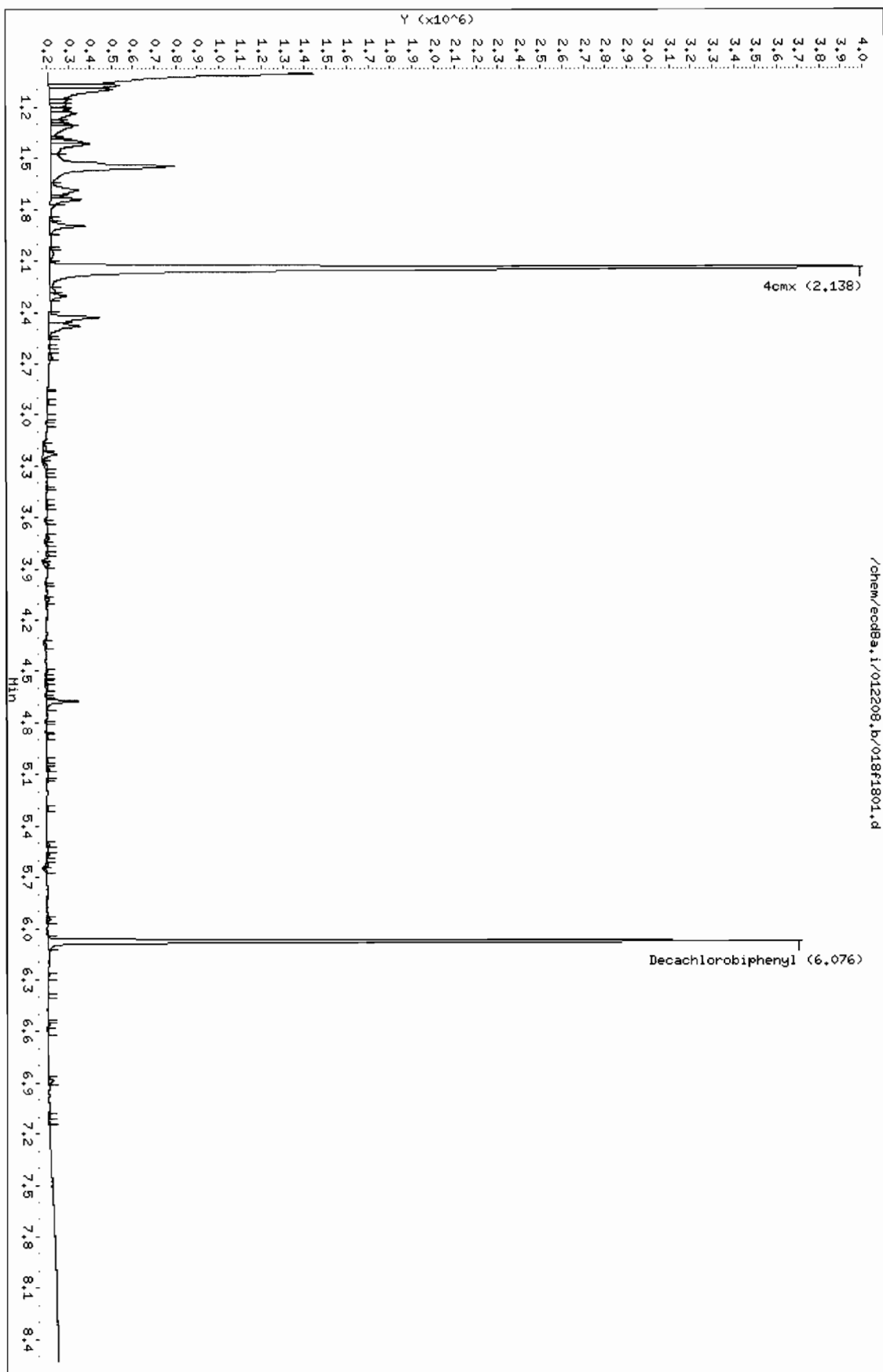
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /chem/ecdb8a.i/012208.b/018f1801.d
Date : 22-JAN-2008 12:21
Client ID: IR13-SB02
Sample Info: 120122600111
Volume Injected (uL): 1.0
Column phase: CLP1

Instrument: ecdb8a.i
Operator: JMO
Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012208.b/018b1801.d
Lab Smp Id: 201226001 Client Smp ID: IR13-SB02
Inj Date : 22-JAN-2008 12:21
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |201226001|1|
Misc Info : |ECD82P_1LF|719135|SVAF|CATL|GROUND WATER|IR13-SB02|||
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
Meth Date : 22-Jan-2008 16:10 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1050.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

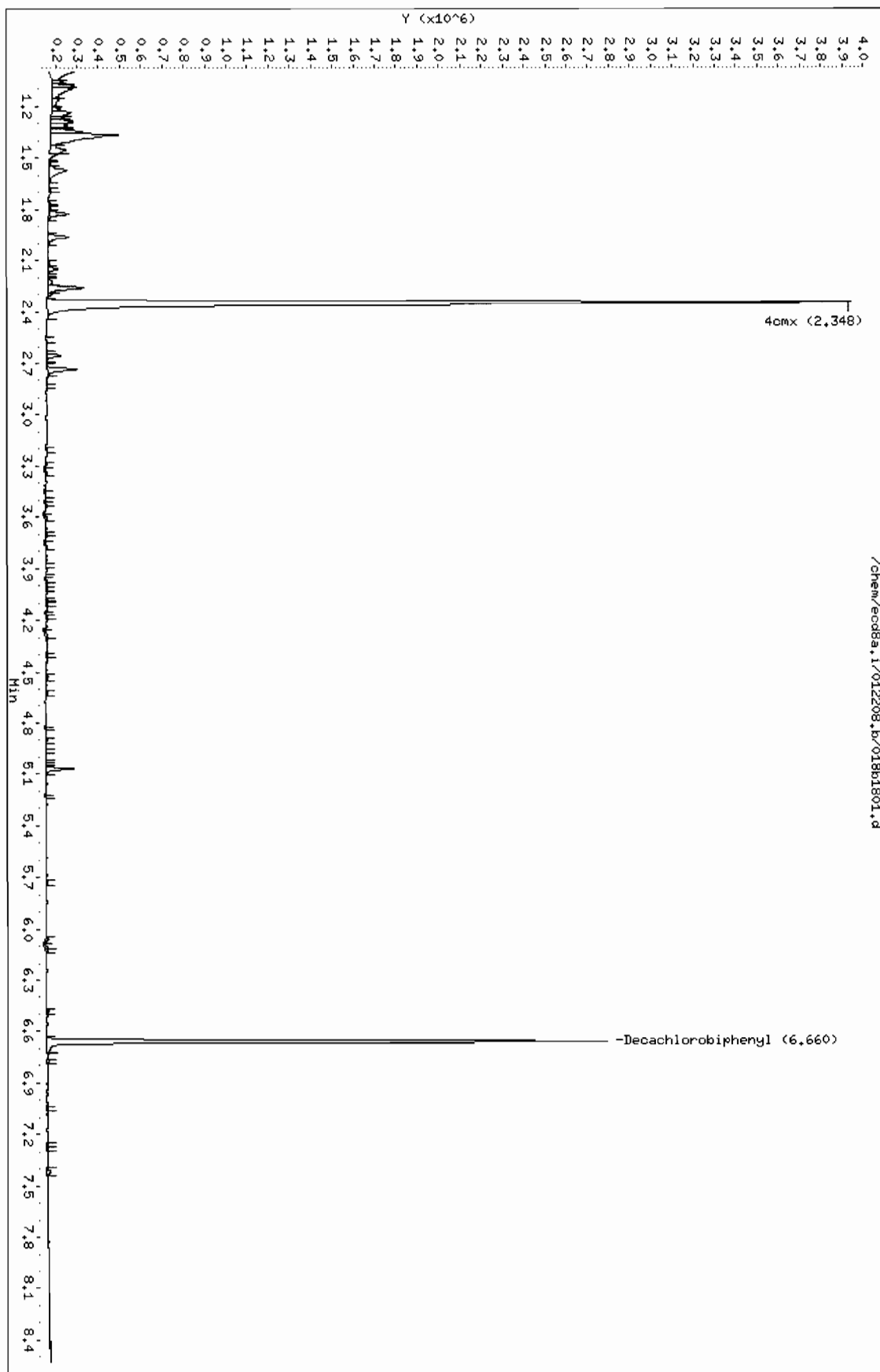
CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----
\$ 11 4cmx CAS #: 877-09-8						
2.348	2.349	-0.001	4766093 88.9936	0.085	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl CAS #: 2051-24-3						
6.660	6.660	0.000	2472763 108.296	0.10	80.00- 120.00	100.00

Data File: /chem/ecdb8a.i/012208.b/018b1801.d
Date : 22-JAN-2008 12:21
Client ID: IR13-SB02
Sample Info: 120122600111
Volume Injected (uL): 1.0
Column phase: CLP2

Instrument: ecdb8a.i
Operator: JHOC
Column diameter: 0.25

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PCB
Certificate of Analysis
Sample Summary

SDG Number:	201226	Date Collected:	01/14/2008 15:00	Matrix:	GROUND WATER
Lab Sample ID:	201226002	Date Received:	01/18/2008 09:15		
Client ID:	IR13-SB03	Client:	CATL002	Project:	CATL00107
Batch ID:	719135	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Run Date:	01/22/2008 12:34	Inst:	ECD8A.I	Dilution:	1
Prep Date:	01/21/2008 15:50	Analyst:	JAOC	Inj. Vol:	1 uL
Data File:	019f1901.d	Aliquot:	1050 mL	Final Volume:	1 mL
	019b1901.d	Column:	1 CLP1	Level:	LOW
			2 CLP2		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
12674-11-2	Aroclor-1016	U	0.0952	ug/L	0.0317	0.0952	1
11104-28-2	Aroclor-1221	U	0.0952	ug/L	0.0317	0.0952	1
11141-16-5	Aroclor-1232	U	0.0952	ug/L	0.0317	0.0952	1
53469-21-9	Aroclor-1242	U	0.0952	ug/L	0.0317	0.0952	1
12672-29-6	Aroclor-1248	U	0.0952	ug/L	0.0317	0.0952	1
11097-69-1	Aroclor-1254	U	0.0952	ug/L	0.0317	0.0952	1
11096-82-5	Aroclor-1260	U	0.0952	ug/L	0.0317	0.0952	1

GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012208.b/019f1901.d
Lab Smp Id: 201226002 Client Smp ID: IR13-SB03
Inj Date : 22-JAN-2008 12:34
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |201226002|1|
Misc Info : |ECD82P_1LF|719135|SVAF|CATL|GROUND WATER|IR13-SB03|||
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m
Meth Date : 22-Jan-2008 16:31 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026f2601.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1050.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.138	2.138	0.000	5718500 74.8964	0.071	80.00- 120.00	100.00(R)	

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.076	6.076	0.000	3279540 103.960	0.099	80.00- 120.00	100.00	

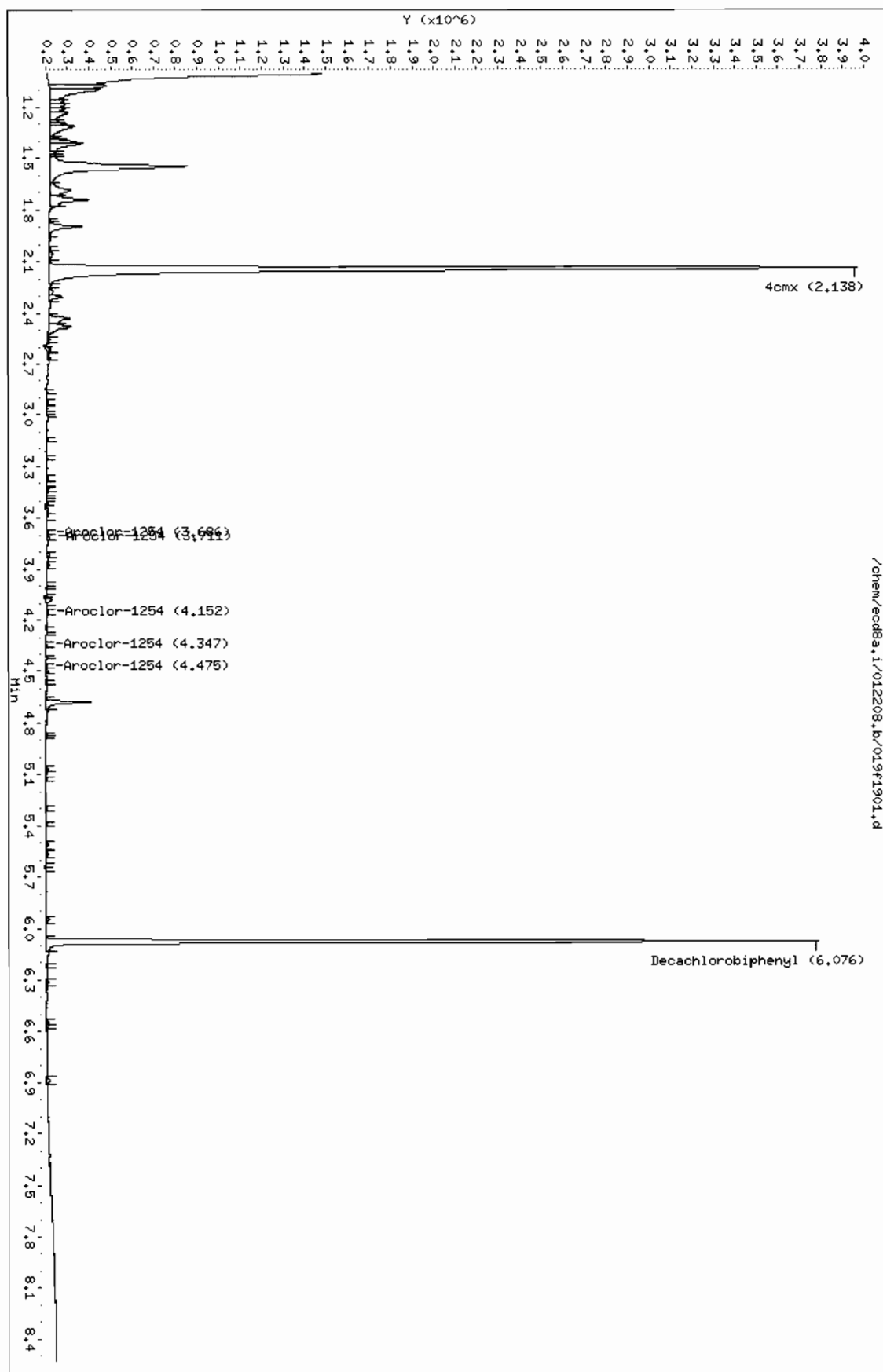
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /chem/ecod8a.i/012208.b/019f1901.d
Date : 22-JUN-2008 12:34
Client ID: IR43-SB03
Sample Info: 1201226002141
Volume Injected (uL): 1.0
Column phase: CLP1

Instrument: ecod8a.i
Operator: JMO
Column diameter: 0.25

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Data File: /chem/ecd8a.i/012208.b/019b1901.d
Report Date: 22-Jan-2008 16:14

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012208.b/019b1901.d
Lab Smp Id: 201226002 Client Smp ID: IR13-SB03
Inj Date : 22-JAN-2008 12:34
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |201226002|1|
Misc Info : |ECD82P_1LF|719135|SVAF|CATL|GROUND WATER|IR13-SB03|||
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
Meth Date : 22-Jan-2008 16:10 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1050.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	
					CAS #: 877-09-8		
\$ 11 4cmx	2.349	2.349	0.000	4282100 79.9563	0.076	80.00- 120.00	100.00(R)

					CAS #: 2051-24-3		
\$ 12 Decachlorobiphenyl	6.661	6.660	0.001	2475576 108.419	0.10	80.00- 120.00	100.00

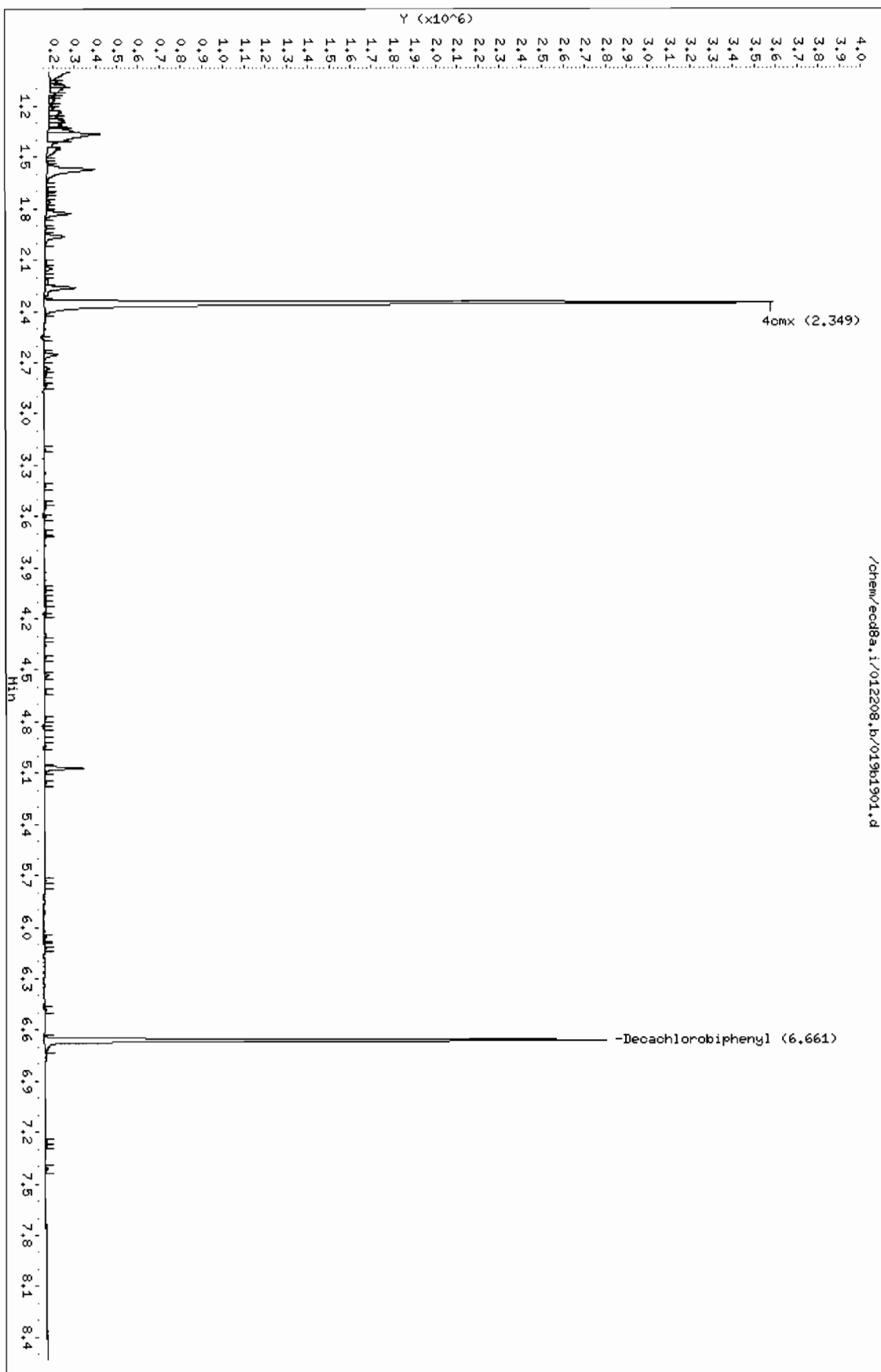
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /chem/ecd8a.i/012208.b/019b1901.d
Date : 22-JAN-2008 12:34
Client ID: IR13-SB03
Sample Info: 120122600211
Volume Injected (uL): 1.0
Column phase: CLP2

Instrument: ecd8a.i
Operator: JACD
Column diameter: 0.25

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PCB
Certificate of Analysis
Sample Summary

SDG Number: 201226	Date Collected: 01/14/2008 15:00	Matrix: GROUND WATER
Lab Sample ID: 201226002	Date Received: 01/18/2008 09:15	
	Client: CATL002	Project: CATL00107
Client ID: IR13-SB03RE	Method: SW846 8082	SOP Ref: GL-OA-E-040
Batch ID: 721032	Inst: ECD8A.I	Dilution: 1
Run Date: 01/25/2008 09:57	Analyst: JAOC	Inj. Vol: 1 uL
Prep Date: 01/24/2008 15:45	Aliquot: 1040 mL	Final Volume: 1 mL
Data File: 013f1301.d	Column: 1 CLP1	Level: LOW
	2 CLP2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
12674-11-2	Aroclor-1016	Uh	0.0962	ug/L	0.032	0.0962	1
11104-28-2	Aroclor-1221	Uh	0.0962	ug/L	0.032	0.0962	1
11141-16-5	Aroclor-1232	Uh	0.0962	ug/L	0.032	0.0962	1
53469-21-9	Aroclor-1242	BJPh	0.062	ug/L	0.032	0.0962	2
12672-29-6	Aroclor-1248	Uh	0.0962	ug/L	0.032	0.0962	1
11097-69-1	Aroclor-1254	Uh	0.0962	ug/L	0.032	0.0962	1
11096-82-5	Aroclor-1260	Uh	0.0962	ug/L	0.032	0.0962	1

Data File: /chem/ecd8a.i/012508.b/013f1301.d
Report Date: 29-Jan-2008 11:19

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GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012508.b/013f1301.d
Lab Smp Id: 201226002 Client Smp ID: IR13-SB03RE
Inj Date : 25-JAN-2008 09:57
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |201226002|1|
Misc Info : |ECD82P_1LF|721032|SVAF|CATL|GROUND WATER|IR13-SB03|||
Comment :
Method : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m
Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
Cal Date : 23-JAN-2008 13:33 Cal File: 025f2501.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1040.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	
\$ 11 4cmx CAS #: 877-09-8							
2.136	2.135	0.001	8146131 123.515	0.12	80.00- 120.00	100.00	

\$ 12 Decachlorobiphenyl CAS #: 2051-24-3							
6.073	6.073	0.000	5481732 114.101	0.11	80.00- 120.00	100.00	

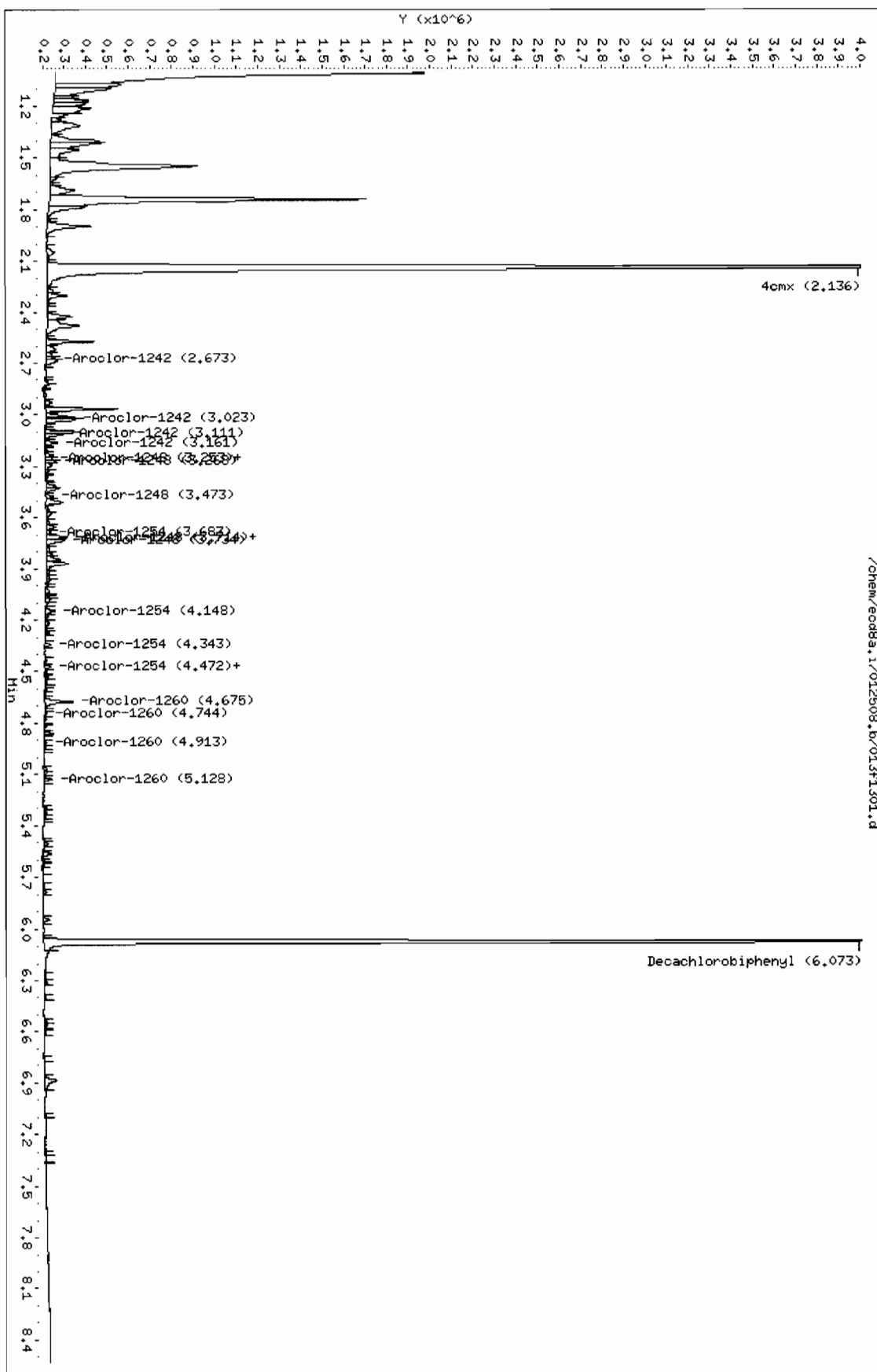
4 Aroclor-1242 CAS #: 53469-21-9							
2.673	2.676	-0.003	43791 22.0320	0.021	80.00- 120.00	100.00 (aM)	
3.023	3.020	0.003	102929 42.4924	0.041	112.30- 152.30	235.05	
3.111	3.115	-0.004	65570 40.9507	0.039	63.64- 103.64	149.73	
3.161	3.160	0.001	55247 56.2625	0.054	33.34- 73.34	126.16	
3.253	3.252	0.001	23265 28.3168	0.027	21.79- 61.79	53.13	
Average of Peak Concentrations =				0.036			

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: /chem/ecod8a.i/012508.b/013f1301.d
 Date : 25-JAN-2008 09:57
 Client ID: IR13-SB03RE
 Sample Info: 1201226002111
 Volume Injected (uL): 1.0
 Column phase: CLP1

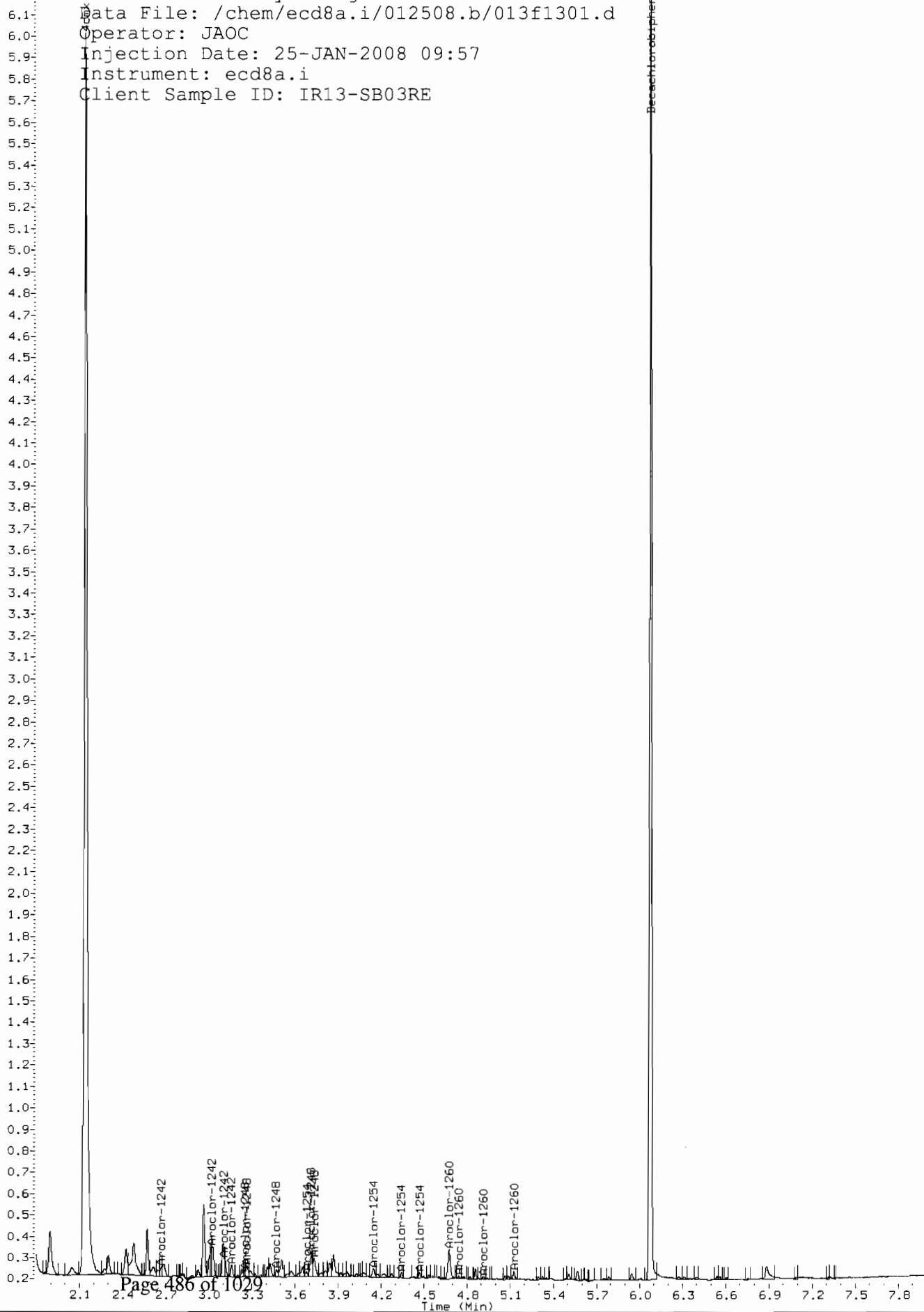
Instrument: ecod8a.i
 Operator: JADC
 Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012508.b/013f1301.d
Operator: JAOC
Injection Date: 25-JAN-2008 09:57
Instrument: ecd8a.i
Client Sample ID: IR13-SB03RE

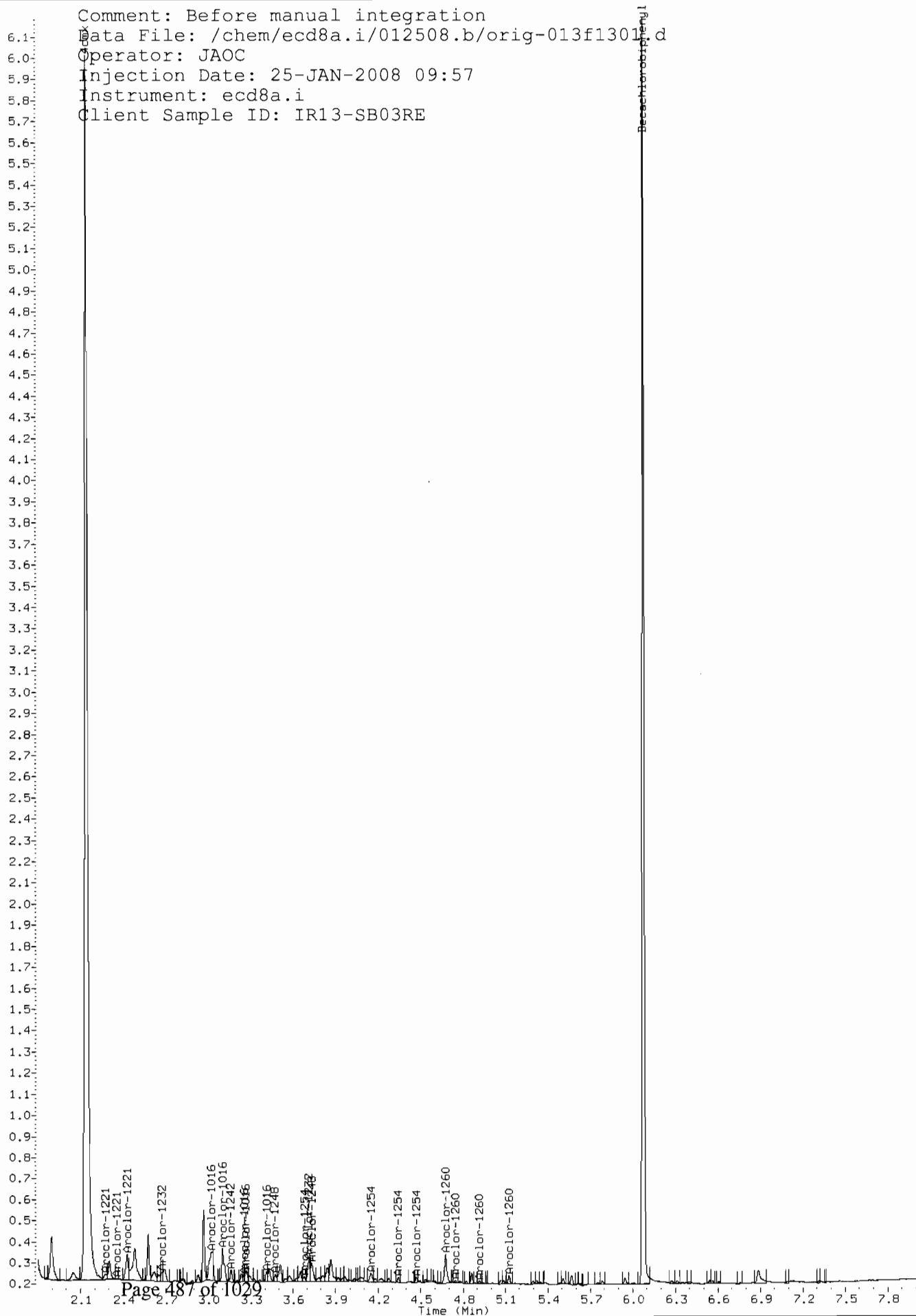
Y (x10⁻⁶)

Decachlorobiphenyl



Comment: Before manual integration
Data File: /chem/ecd8a.i/012508.b/orig-013f1301.d
Operator: JAOC
Injection Date: 25-JAN-2008 09:57
Instrument: ecd8a.i
Client Sample ID: IR13-SB03RE

Y (x10⁻⁶)



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/013b1301.d
 Lab Smp Id: 201226002 Client Smp ID: IR13-SB03RE
 Inj Date : 25-JAN-2008 09:57
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |201226002|1|
 Misc Info : |ECD82P_1LF|721032|SVAF|CATL|GROUND WATER|IR13-SB03|||
 Comment :
 Method : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m
 Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
 Cal Date : 23-JAN-2008 13:58 Cal File: 027b2701.d
 Als bottle: 13
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 201226.sub
 Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1040.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.347	2.346	0.001	6165229	119.040	0.11	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.658	6.659	-0.001	4573248	117.416	0.11	80.00-	120.00	100.00

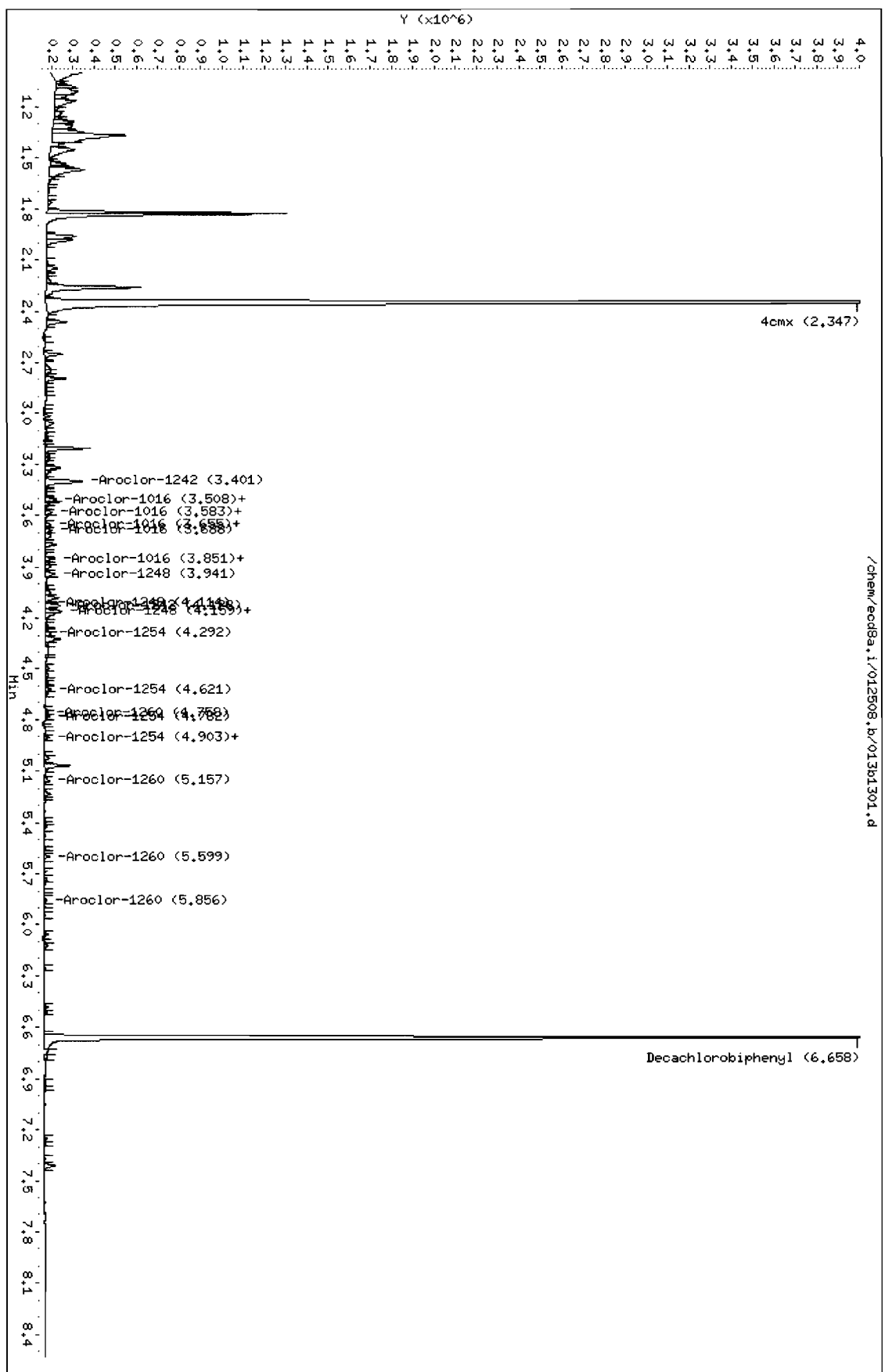
4 Aroclor-1242					CAS #: 53469-21-9			
3.401	3.408	-0.007	239689	121.643	0.12	80.00-	120.00	100.00 (aM)
3.508	3.507	0.001	51368	40.8687	0.039	42.12-	82.12	21.43
3.583	3.583	0.000	36658	49.7229	0.048	17.28-	57.28	15.29
3.851	3.852	-0.001	37733	36.5033	0.035	30.12-	70.12	15.74
4.128	4.127	0.001	71525	68.9723	0.066	29.59-	69.59	29.84
Average of Peak Concentrations =					0.062			

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: /chem/ecdb8a.i/012508.b/013b1301.d
Date : 25-JAN-2008 09:57
Client ID: IR13-SB03RE
Sample Info: 120122600211
Volume Injected (uL): 1.0
Column phase: CLP2

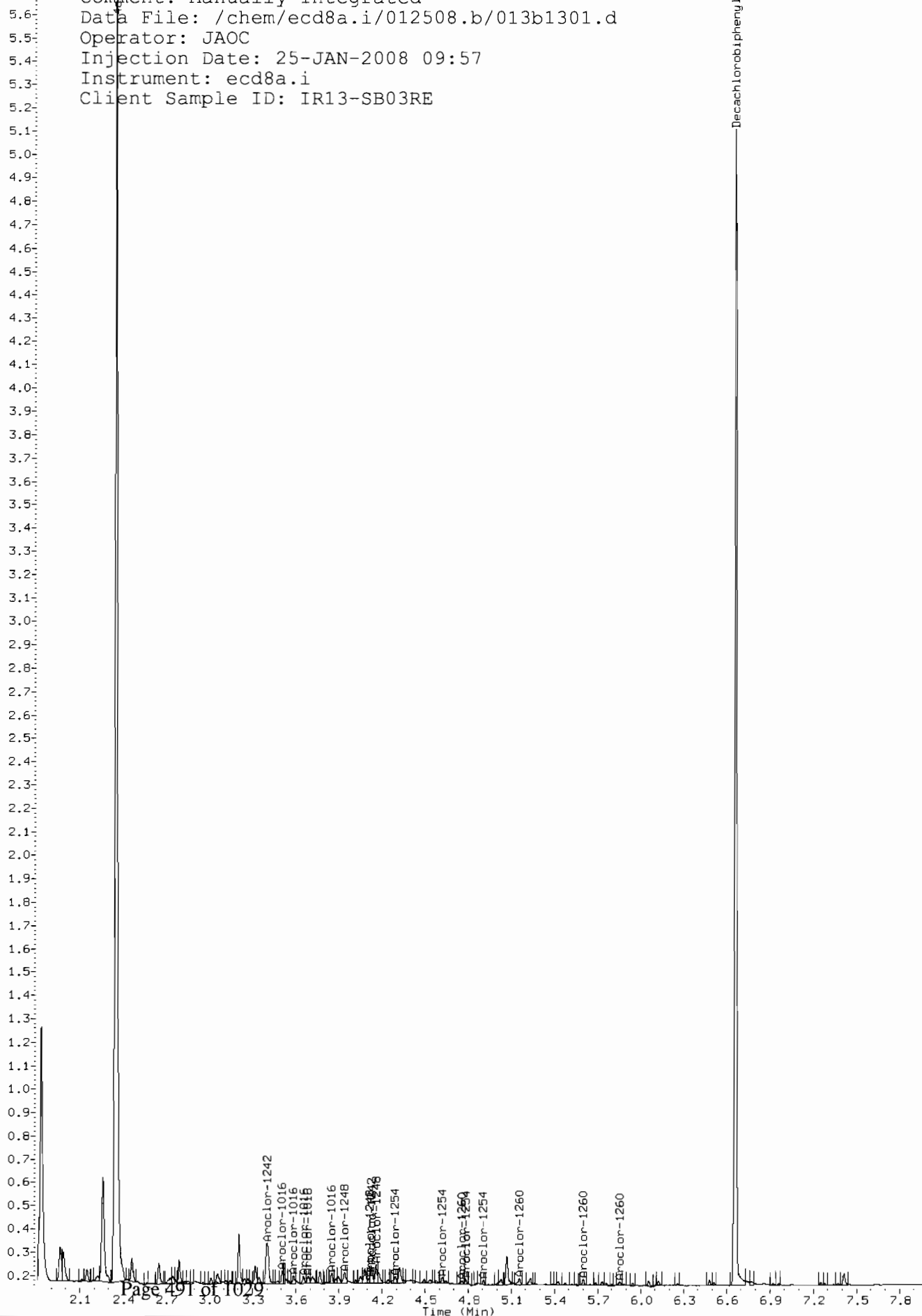
Instrument: ecdb8a.i
Operator: JAOUC
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012508.b/013b1301.d
Operator: JAOC
Injection Date: 25-JAN-2008 09:57
Instrument: ecd8a.i
Client Sample ID: IR13-SB03RE

Y (x10⁻⁶)

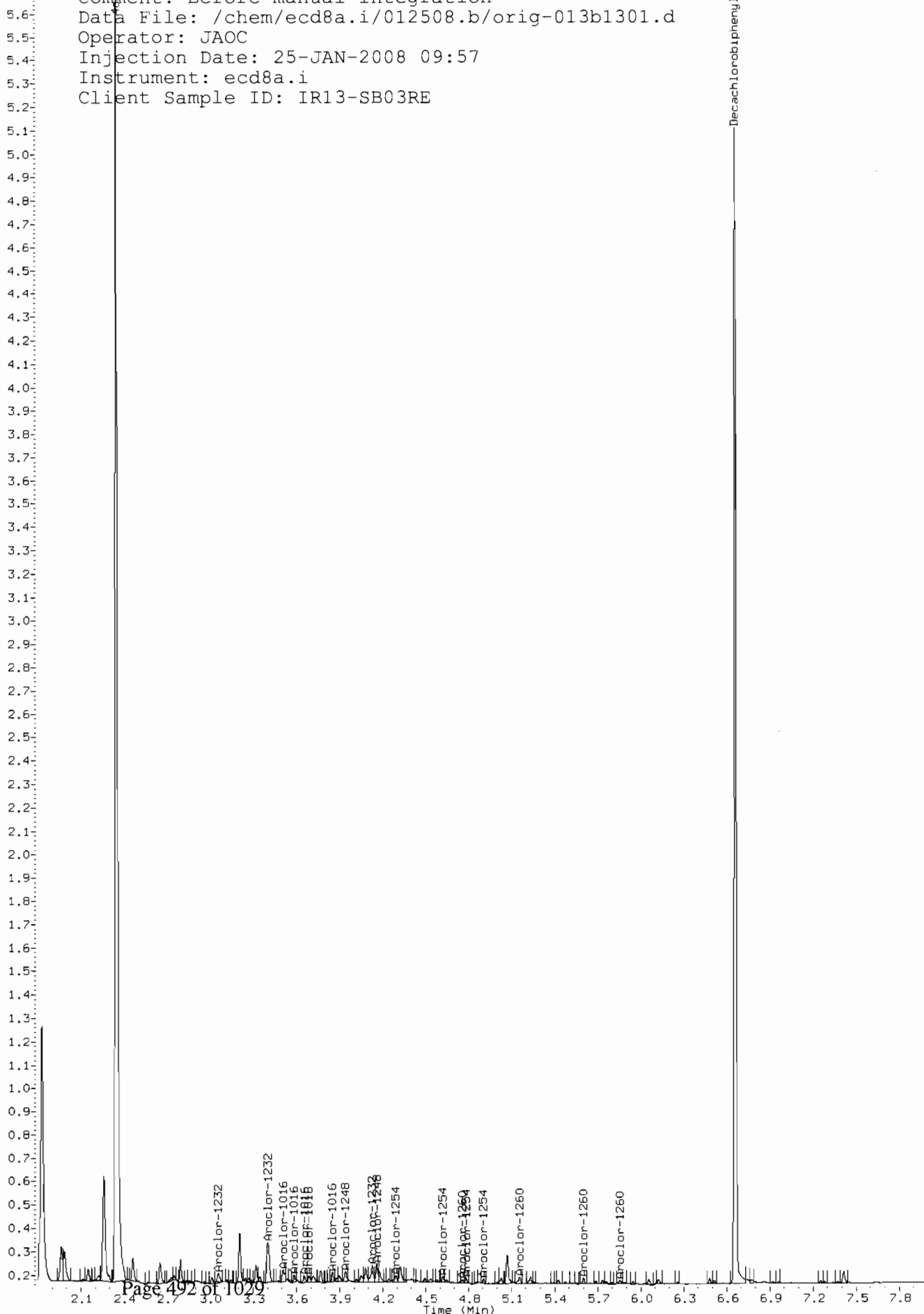
Decachlorobiphenyl



Comment: Before manual integration
Data File: /chem/ecd8a.i/012508.b/orig-013b1301.d
Operator: JAOC
Injection Date: 25-JAN-2008 09:57
Instrument: ecd8a.i
Client Sample ID: IR13-SB03RE

Y (x10⁻⁶)

Decachlorobiphenyl



STANDARDS DATA

Report Date: 23-Jan-2008 10:23

Calibration History

Method : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m
Start Cal Date: 07-DEC-2007 08:46
End Cal Date : 21-JAN-2008 12:29

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 100.00000		
26-DEC-2007 12:19	AR1248	/chem/ecd8a.i/122607/022f2201.d
26-DEC-2007 11:05	AR1242	/chem/ecd8a.i/122607/016f1601.d
19-DEC-2007 13:03	AR1254	/chem/ecd8a.i/121907.b/010f1001.d
21-JAN-2008 11:39	AR1660	/chem/ecd8a.i/012108.b/008f0801.d
Cal Level: 2 , Cal Amount: 250.00000		
26-DEC-2007 12:31	AR1248	/chem/ecd8a.i/122607/023f2301.d
26-DEC-2007 11:17	AR1242	/chem/ecd8a.i/122607/017f1701.d
19-DEC-2007 13:15	AR1254	/chem/ecd8a.i/121907.b/011f1101.d
21-JAN-2008 11:51	AR1660	/chem/ecd8a.i/012108.b/009f0901.d
Cal Level: 3 , Cal Amount: 500.00000		
26-DEC-2007 12:44	AR1248	/chem/ecd8a.i/122607/024f2401.d
26-DEC-2007 11:30	AR1242	/chem/ecd8a.i/122607/018f1801.d
19-DEC-2007 13:28	AR1254	/chem/ecd8a.i/121907.b/012f1201.d
21-JAN-2008 12:04	AR1660	/chem/ecd8a.i/012108.b/010f1001.d
Cal Level: 4 , Cal Amount: 1000.00000		
14-DEC-2007 06:19	AR1221	/chem/ecd8a.i/121307.b/030f3001.d
14-DEC-2007 06:43	AR1268	/chem/ecd8a.i/121307.b/032f3201.d
14-DEC-2007 06:31	AR1262	/chem/ecd8a.i/121307.b/031f3101.d
14-DEC-2007 06:07	AR1232	/chem/ecd8a.i/121307.b/029f2901.d
26-DEC-2007 12:56	AR1248	/chem/ecd8a.i/122607/025f2501.d
26-DEC-2007 11:42	AR1242	/chem/ecd8a.i/122607/019f1901.d
19-DEC-2007 13:40	AR1254	/chem/ecd8a.i/121907.b/013f1301.d
21-JAN-2008 12:16	AR1660	/chem/ecd8a.i/012108.b/011f1101.d
Cal Level: 5 , Cal Amount: 4000.00000		
26-DEC-2007 13:08	AR1248	/chem/ecd8a.i/122607/026f2601.d
26-DEC-2007 11:54	AR1242	/chem/ecd8a.i/122607/020f2001.d
19-DEC-2007 13:52	AR1254	/chem/ecd8a.i/121907.b/014f1401.d
21-JAN-2008 12:29	AR1660	/chem/ecd8a.i/012108.b/012f1201.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 16:22	AR1660	/chem/ecd8a.i/012208.b/037f3701.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 12:46	AR1660	/chem/ecd8a.i/012208.b/020f2001.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 15:33	AR1660	/chem/ecd8a.i/012208.b/033f3301.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 11:57	AR1660	/chem/ecd8a.i/012208.b/016f1601.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 09:38	AR1248	/chem/ecd8a.i/012208.b/005f0501.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 09:14	AR1254	/chem/ecd8a.i/012208.b/003f0301.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 09:02	AR1660	/chem/ecd8a.i/012208.b/002f0201.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 10:28	AR1268	/chem/ecd8a.i/012208.b/009f0901.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 10:15	AR1262	/chem/ecd8a.i/012208.b/008f0801.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 10:03	AR1221	/chem/ecd8a.i/012208.b/007f0701.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 09:51	AR1232	/chem/ecd8a.i/012208.b/006f0601.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 09:26	AR1242	/chem/ecd8a.i/012208.b/004f0401.d

Report Date: 23-Jan-2008 10:23

Calibration History

Method : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
Start Cal Date: 07-DEC-2007 08:46
End Cal Date : 21-JAN-2008 12:29

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 100.00000		
26-DEC-2007 12:19	AR1248	/chem/ecd8a.i/122607/022b2201.d
26-DEC-2007 11:05	AR1242	/chem/ecd8a.i/122607/016b1601.d
19-DEC-2007 13:03	AR1254	/chem/ecd8a.i/121907.b/010b1001.d
21-JAN-2008 11:39	AR1660	/chem/ecd8a.i/012108.b/008b0801.d

Cal Level: 2 , Cal Amount: 250.00000		
26-DEC-2007 12:31	AR1248	/chem/ecd8a.i/122607/023b2301.d
26-DEC-2007 11:17	AR1242	/chem/ecd8a.i/122607/017b1701.d
19-DEC-2007 13:15	AR1254	/chem/ecd8a.i/121907.b/011b1101.d
21-JAN-2008 11:51	AR1660	/chem/ecd8a.i/012108.b/009b0901.d

Cal Level: 3 , Cal Amount: 500.00000		
26-DEC-2007 12:44	AR1248	/chem/ecd8a.i/122607/024b2401.d
26-DEC-2007 11:30	AR1242	/chem/ecd8a.i/122607/018b1801.d
19-DEC-2007 13:28	AR1254	/chem/ecd8a.i/121907.b/012b1201.d
21-JAN-2008 12:04	AR1660	/chem/ecd8a.i/012108.b/010b1001.d

Cal Level: 4 , Cal Amount: 1000.00000		
14-DEC-2007 06:43	AR1268	/chem/ecd8a.i/121307.b/032b3201.d
14-DEC-2007 06:31	AR1262	/chem/ecd8a.i/121307.b/031b3101.d
14-DEC-2007 06:19	AR1221	/chem/ecd8a.i/121307.b/030b3001.d
14-DEC-2007 06:07	AR1232	/chem/ecd8a.i/121307.b/029b2901.d
26-DEC-2007 12:56	AR1248	/chem/ecd8a.i/122607/025b2501.d
26-DEC-2007 11:42	AR1242	/chem/ecd8a.i/122607/019b1901.d
19-DEC-2007 13:40	AR1254	/chem/ecd8a.i/121907.b/013b1301.d
21-JAN-2008 12:16	AR1660	/chem/ecd8a.i/012108.b/011b1101.d

Cal Level: 5 , Cal Amount: 4000.00000		
26-DEC-2007 13:08	AR1248	/chem/ecd8a.i/122607/026b2601.d
26-DEC-2007 11:54	AR1242	/chem/ecd8a.i/122607/020b2001.d
19-DEC-2007 13:52	AR1254	/chem/ecd8a.i/121907.b/014b1401.d
21-JAN-2008 12:29	AR1660	/chem/ecd8a.i/012108.b/012b1201.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 16:22	AR1660	/chem/ecd8a.i/012208.b/037b3701.d
Ccal Level: 4 , Ccal Amount: 1000		

22-JAN-2008 15:33	AR1660	/chem/ecd8a.i/012208.b/033f3301.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 11:57	AR1660	/chem/ecd8a.i/012208.b/016f1601.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 15:33	AR1660	/chem/ecd8a.i/012208.b/033b3301.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 12:46	AR1660	/chem/ecd8a.i/012208.b/020b2001.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 11:57	AR1660	/chem/ecd8a.i/012208.b/016b1601.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 09:26	AR1242	/chem/ecd8a.i/012208.b/004b0401.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 09:14	AR1254	/chem/ecd8a.i/012208.b/003b0301.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 09:02	AR1660	/chem/ecd8a.i/012208.b/002b0201.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 10:28	AR1268	/chem/ecd8a.i/012208.b/009b0901.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 10:15	AR1262	/chem/ecd8a.i/012208.b/008b0801.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 10:03	AR1221	/chem/ecd8a.i/012208.b/007b0701.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 09:51	AR1232	/chem/ecd8a.i/012208.b/006b0601.d
Ccal Level: 4 , Ccal Amount: 1000		
22-JAN-2008 09:38	AR1248	/chem/ecd8a.i/012208.b/005b0501.d

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m
 Quant Method : ESTD Target Version : 3.50
 Last Update : 22-Jan-2008 16:31 Number of Cpnds : 12
 Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events Values

```

-----
Initial:Start Threshold      758.000000
Initial:End Threshold        379.000000
Initial:Area Threshold       734.000000
Initial:P-P Resolution       1.000000
Initial:Bunch Factor         2.000000
Initial:Negative Peaks       OFF
Initial:Tension              1.500000
   6.500:Bunch Factor        2.000000
  
```

Compound	RT	RT Window	RF
1 Aroclor-1016	3.022	2.992-3.052	4.318e+03
	3.119	3.089-3.149	2.380e+03
	3.255	3.225-3.285	1.172e+03
	3.271	3.241-3.301	1.449e+03
	3.414	3.384-3.444	2.542e+03
2 Aroclor-1221	2.274	2.244-2.304	6.179e+02
	2.384	2.354-2.414	3.411e+02
	2.414	2.384-2.444	1.480e+03
3 Aroclor-1232	2.415	2.385-2.445	1.185e+03
	2.681	2.651-2.711	9.127e+02
	3.023	2.993-3.053	1.044e+03
	3.415	3.385-3.445	4.843e+02
4 Aroclor-1242	3.719	3.689-3.749	4.085e+02
	2.679	2.649-2.709	2.413e+03
	3.023	2.993-3.053	4.704e+03
	3.118	3.088-3.148	1.953e+03
	3.164	3.134-3.194	1.221e+03
5 Aroclor-1248	3.256	3.226-3.286	8.984e+02
	3.255	3.225-3.285	1.739e+03
	3.271	3.241-3.301	1.787e+03
	3.476	3.446-3.506	1.846e+03
	3.719	3.689-3.749	2.685e+03
	3.737	3.707-3.767	2.751e+03

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COMPOUND LISTING

Method file : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m

Compound	RT	RT Window	RF
6 Aroclor-1254	3.687	3.657-3.717	2.351e+03
	3.719	3.689-3.749	1.388e+03
	4.152	4.122-4.182	4.043e+03
	4.346	4.316-4.376	3.058e+03
	4.474	4.444-4.504	3.001e+03
7 Aroclor-1260	4.474	4.444-4.504	4.990e+03
	4.667	4.637-4.697	5.427e+03
	4.747	4.717-4.777	2.474e+03
	4.916	4.886-4.946	2.697e+03
	5.131	5.101-5.161	5.041e+03
8 Aroclor-1262	4.280	4.250-4.310	1.590e+03
	4.474	4.444-4.504	1.934e+03
	4.748	4.718-4.778	2.443e+03
	4.916	4.886-4.946	2.207e+03
	5.131	5.101-5.161	4.149e+03
9 Aroclor-1268	4.913	4.883-4.943	1.296e+03
	5.350	5.320-5.380	4.716e+03
	5.376	5.346-5.406	4.540e+03
	5.509	5.479-5.539	3.671e+03
	5.947	5.917-5.977	1.012e+04
M 10 Aroclor-Total	1.000	0.980-1.020	
\$ 11 4cmx	2.138	2.108-2.168	7.635e+04
\$ 12 Decachlorobiphenyl	6.076	6.046-6.106	3.155e+04

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
Quant Method : ESTD Target Version : 3.50
Last Update : 22-Jan-2008 16:29 Number of Cpnds : 12
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events

Values

Initial:Start Threshold 733.000000
Initial:End Threshold 366.500000
Initial:Area Threshold 522.000000
Initial:P-P Resolution 0.000000
Initial:Bunch Factor 2.000000
Initial:Negative Peaks OFF
Initial:Tension 2.000000
9.000:Bunch Factor 2.000000

Compound	RT	RT Window	RF
1 Aroclor-1016	3.509	3.479-3.539	1.709e+03
	3.586	3.556-3.616	1.016e+03
	3.658	3.628-3.688	1.078e+03
	3.689	3.659-3.719	1.108e+03
	3.854	3.824-3.884	1.399e+03
2 Aroclor-1221	2.589	2.559-2.619	5.418e+02
	2.701	2.671-2.731	3.472e+02
	2.749	2.719-2.779	1.219e+03
3 Aroclor-1232	3.063	3.033-3.093	5.652e+02
	3.411	3.381-3.441	9.292e+02
	3.510	3.480-3.540	6.204e+02
	3.855	3.825-3.885	4.480e+02
	4.130	4.100-4.160	4.078e+02
4 Aroclor-1242	3.410	3.380-3.440	3.582e+03
	3.510	3.480-3.540	1.426e+03
	3.586	3.556-3.616	8.551e+02
	3.854	3.824-3.884	1.195e+03
5 Aroclor-1248	4.130	4.100-4.160	1.199e+03
	3.658	3.628-3.688	1.565e+03
	3.854	3.824-3.884	1.922e+03
	3.944	3.914-3.974	2.077e+03
	4.130	4.100-4.160	2.170e+03
	4.162	4.132-4.192	2.419e+03

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m

Compound	RT	RT Window	RF
6 Aroclor-1254	4.158	4.128-4.188	2.208e+03
	4.294	4.264-4.324	2.458e+03
	4.623	4.593-4.653	3.353e+03
	4.784	4.754-4.814	2.461e+03
	4.906	4.876-4.936	1.643e+03
7 Aroclor-1260	4.759	4.729-4.789	2.545e+03
	4.907	4.877-4.937	3.039e+03
	5.159	5.129-5.189	2.899e+03
	5.601	5.571-5.631	3.896e+03
	5.858	5.828-5.888	2.630e+03
8 Aroclor-1262	4.906	4.876-4.936	1.549e+03
	5.220	5.190-5.250	2.111e+03
	5.427	5.397-5.457	1.927e+03
	5.601	5.571-5.631	3.405e+03
	5.851	5.821-5.881	2.417e+03
9 Aroclor-1268	5.426	5.396-5.456	1.126e+03
	5.850	5.820-5.880	3.973e+03
	5.882	5.852-5.912	3.538e+03
	6.056	6.026-6.086	2.978e+03
	6.482	6.452-6.512	7.754e+03
M 10 Aroclor-Total	1.000	0.980-1.020	
\$ 11 4cmx	2.349	2.319-2.379	5.356e+04
\$ 12 Decachlorobiphenyl	6.660	6.630-6.690	2.283e+04

GEL Laboratories LLC
INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2007 08:46
 End Cal Date : 21-JAN-2008 12:29
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m
 Cal Date : 22-Jan-2008 16:31 jen01212
 Curve Type : Average

Calibration File Names:

Level 1: /chem/ecd8a.i/122607/022f2201.d
 Level 2: /chem/ecd8a.i/122607/023f2301.d
 Level 3: /chem/ecd8a.i/122607/024f2401.d
 Level 4: /chem/ecd8a.i/121307.b/030f3001.d
 Level 5: /chem/ecd8a.i/122607/026f2601.d

Compound	100.000	250.000	500.000	1000.000	4000.000	RRF	% RSD
-----	-----	-----	-----	-----	-----	-----	-----
1 Aroclor-1016(1)	4318	4448	4062	3955	4810	4318	7.821
(2)	2750	2586	2359	2251	1954	2380	12.913
(3)	1414	1273	1138	1069	968	1172	14.906
(4)	1653	1593	1445	1382	1170	1449	13.137
(5)	2952	2768	2511	2390	2088	2542	13.179
2 Aroclor-1221(1)	+++++	+++++	+++++	618	+++++	618	0.000
(2)	+++++	+++++	+++++	341	+++++	341	0.000
(3)	+++++	+++++	+++++	1480	+++++	1480	0.000
3 Aroclor-1232(1)	+++++	+++++	+++++	1185	+++++	1185	0.000
(2)	+++++	+++++	+++++	913	+++++	913	0.000
(3)	+++++	+++++	+++++	1044	+++++	1044	0.000
(4)	+++++	+++++	+++++	484	+++++	484	0.000
(5)	+++++	+++++	+++++	409	+++++	409	0.000
4 Aroclor-1242(1)	2757	2603	2434	2268	2002	2413	12.183
(2)	5213	4988	4732	4512	4074	4704	9.350
(3)	2213	2103	1960	1837	1651	1953	11.291
(4)	1322	1317	1233	1162	1069	1221	8.812
(5)	1054	973	876	814	774	898	12.792
5 Aroclor-1248(1)	2008	1843	1769	1644	1430	1739	12.487
(2)	2045	1928	1816	1654	1490	1787	12.306
(3)	2035	1974	1868	1760	1596	1846	9.470
(4)	2966	2845	2715	2582	2317	2685	9.343
(5)	2976	2962	2809	2658	2352	2751	9.371
6 Aroclor-1254(1)	2716	2500	2368	2262	1910	2351	12.723
(2)	1594	1508	1405	1328	1107	1388	13.465
(3)	4499	4262	4138	3963	3352	4043	10.698
(4)	3401	3209	3104	2993	2581	3058	9.997
(5)	3419	3199	3062	2913	2410	3001	12.632

GEL Laboratories LLC
INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2007 08:46
 End Cal Date : 21-JAN-2008 12:29
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m
 Cal Date : 22-Jan-2008 16:31 jen01212
 Curve Type : Average

Compound	100.000 Level 1	250.000 Level 2	500.000 Level 3	1000.000 Level 4	4000.000 Level 5	RRF	% RSD
7 Aroclor-1260(1)	5726	5371	5039	4813	4002	4990	13.056
(2)	6058	5828	5497	5274	4475	5427	11.261
(3)	2826	2664	2475	2390	2014	2474	12.430
(4)	3039	2890	2710	2623	2225	2697	11.454
(5)	5525	5395	5165	4980	4139	5041	10.835
8 Aroclor-1262(1)	+++++	+++++	+++++	1590	+++++	1590	0.000
(2)	+++++	+++++	+++++	1934	+++++	1934	0.000
(3)	+++++	+++++	+++++	2443	+++++	2443	0.000
(4)	+++++	+++++	+++++	2207	+++++	2207	0.000
(5)	+++++	+++++	+++++	4149	+++++	4149	0.000
9 Aroclor-1268(1)	+++++	+++++	+++++	1296	+++++	1296	0.000
(2)	+++++	+++++	+++++	4716	+++++	4716	0.000
(3)	+++++	+++++	+++++	4540	+++++	4540	0.000
(4)	+++++	+++++	+++++	3671	+++++	3671	0.000
(5)	+++++	+++++	+++++	10122	+++++	10122	0.000
M 10 Aroclor-Total	+++++	+++++	+++++	+++++	+++++	+++++	+++++
11 4cmx	90994	82515	75149	71173	61931	76352	14.475
12 Decachlorobiphenyl	36296	33485	31854	30886	25210	31546	12.974

GEL Laboratories LLC
INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2007 08:46
 End Cal Date : 21-JAN-2008 12:29
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
 Cal Date : 22-Jan-2008 16:29 jen01212
 Curve Type : Average

Calibration File Names:

Level 1: /chem/ecd8a.i/122607/022b2201.d
 Level 2: /chem/ecd8a.i/122607/023b2301.d
 Level 3: /chem/ecd8a.i/122607/024b2401.d
 Level 4: /chem/ecd8a.i/121307.b/032b3201.d
 Level 5: /chem/ecd8a.i/122607/026b2601.d

Compound	100.000	250.000	500.000	1000.000	4000.000	RRF	% RSD
-----	-----	-----	-----	-----	-----	-----	-----
1 Aroclor-1016(1)	1976	1849	1698	1613	1409	1709	12.765
(2)	1148	1072	1004	965	890	1016	9.758
(3)	1280	1175	1062	998	875	1078	14.530
(4)	1314	1201	1090	1026	907	1108	14.180
(5)	1614	1502	1397	1320	1162	1399	12.343
2 Aroclor-1221(1)	+++++	+++++	+++++	542	+++++	542	0.000
(2)	+++++	+++++	+++++	347	+++++	347	0.000
(3)	+++++	+++++	+++++	1219	+++++	1219	0.000
3 Aroclor-1232(1)	+++++	+++++	+++++	565	+++++	565	0.000
(2)	+++++	+++++	+++++	929	+++++	929	0.000
(3)	+++++	+++++	+++++	620	+++++	620	0.000
(4)	+++++	+++++	+++++	448	+++++	448	0.000
(5)	+++++	+++++	+++++	408	+++++	408	0.000
4 Aroclor-1242(1)	3935	3728	3633	3460	3156	3582	8.193
(2)	1641	1506	1436	1334	1214	1426	11.422
(3)	962	894	856	801	764	855	9.094
(4)	1374	1259	1187	1126	1027	1195	10.992
(5)	1367	1248	1195	1127	1058	1199	9.851
5 Aroclor-1248(1)	1778	1730	1561	1462	1295	1565	12.625
(2)	2155	2081	1916	1824	1633	1922	10.805
(3)	2326	2226	2053	1977	1804	2077	9.902
(4)	2358	2305	2169	2103	1913	2170	8.122
(5)	2651	2593	2401	2355	2096	2419	9.082
6 Aroclor-1254(1)	2559	2364	2228	2120	1770	2208	13.339
(2)	2855	2615	2489	2355	1974	2458	13.311
(3)	3735	3541	3452	3284	2752	3353	11.129
(4)	2750	2551	2522	2436	2047	2461	10.515
(5)	1883	1742	1647	1566	1375	1643	11.590

GEL Laboratories LLC
INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2007 08:46
 End Cal Date : 21-JAN-2008 12:29
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
 Cal Date : 22-Jan-2008 16:29 jen01212
 Curve Type : Average

Compound	100.000 Level 1	250.000 Level 2	500.000 Level 3	1000.000 Level 4	4000.000 Level 5	RRF	% RSD
7 Aroclor-1260(1)	2902	2741	2543	2433	2104	2545	12.005
(2)	3442	3261	3052	2927	2514	3039	11.629
(3)	3132	3050	2943	2884	2486	2899	8.625
(4)	4190	4104	3975	3878	3331	3896	8.660
(5)	2876	2756	2634	2586	2299	2630	8.246
8 Aroclor-1262(1)	++++	++++	++++	1549	++++	1549	0.000
(2)	++++	++++	++++	2111	++++	2111	0.000
(3)	++++	++++	++++	1927	++++	1927	0.000
(4)	++++	++++	++++	3405	++++	3405	0.000
(5)	++++	++++	++++	2417	++++	2417	0.000
9 Aroclor-1268(1)	++++	++++	++++	1126	++++	1126	0.000
(2)	++++	++++	++++	3973	++++	3973	0.000
(3)	++++	++++	++++	3538	++++	3538	0.000
(4)	++++	++++	++++	2978	++++	2978	0.000
(5)	++++	++++	++++	7754	++++	7754	0.000
M 10 Aroclor-Total	++++	++++	++++	++++	++++	++++	++++
\$ 11 4cmx	57417	56199	53872	52510	47780	53555	7.014
\$ 12 Decachlorobiphenyl	26060	23989	22803	22365	18950	22833	11.387

Report Date: 28-Jan-2008 16:22

Calibration History

Method : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m
Start Cal Date: 07-DEC-2007 08:46
End Cal Date : 23-JAN-2008 13:58

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 100.00000		
23-JAN-2008 12:07	AR1248	/chem/ecd8a.i/012308.b/018f1801.d
23-JAN-2008 10:53	AR1242	/chem/ecd8a.i/012308.b/012f1201.d
19-DEC-2007 13:03	AR1254	/chem/ecd8a.i/121907.b/010f1001.d
23-JAN-2008 09:39	AR1660	/chem/ecd8a.i/012308.b/006f0601.d
Cal Level: 2 , Cal Amount: 250.00000		
23-JAN-2008 12:20	AR1248	/chem/ecd8a.i/012308.b/019f1901.d
23-JAN-2008 11:06	AR1242	/chem/ecd8a.i/012308.b/013f1301.d
19-DEC-2007 13:15	AR1254	/chem/ecd8a.i/121907.b/011f1101.d
23-JAN-2008 09:52	AR1660	/chem/ecd8a.i/012308.b/007f0701.d
Cal Level: 3 , Cal Amount: 500.00000		
23-JAN-2008 12:32	AR1248	/chem/ecd8a.i/012308.b/020f2001.d
23-JAN-2008 11:18	AR1242	/chem/ecd8a.i/012308.b/014f1401.d
19-DEC-2007 13:28	AR1254	/chem/ecd8a.i/121907.b/012f1201.d
23-JAN-2008 10:04	AR1660	/chem/ecd8a.i/012308.b/008f0801.d
Cal Level: 4 , Cal Amount: 1000.00000		
23-JAN-2008 13:33	AR1221	/chem/ecd8a.i/012308.b/025f2501.d
23-JAN-2008 13:58	AR1268	/chem/ecd8a.i/012308.b/027f2701.d
23-JAN-2008 13:46	AR1262	/chem/ecd8a.i/012308.b/026f2601.d
23-JAN-2008 13:21	AR1232	/chem/ecd8a.i/012308.b/024f2401.d
23-JAN-2008 12:44	AR1248	/chem/ecd8a.i/012308.b/021f2101.d
23-JAN-2008 11:30	AR1242	/chem/ecd8a.i/012308.b/015f1501.d
19-DEC-2007 13:40	AR1254	/chem/ecd8a.i/121907.b/013f1301.d
23-JAN-2008 10:16	AR1660	/chem/ecd8a.i/012308.b/009f0901.d
Cal Level: 5 , Cal Amount: 4000.00000		
23-JAN-2008 12:56	AR1248	/chem/ecd8a.i/012308.b/022f2201.d
23-JAN-2008 11:43	AR1242	/chem/ecd8a.i/012308.b/016f1601.d
19-DEC-2007 13:52	AR1254	/chem/ecd8a.i/121907.b/014f1401.d
23-JAN-2008 10:29	AR1660	/chem/ecd8a.i/012308.b/010f1001.d

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 4

Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 16:56	AR1660	/chem/ecd8a.i/012508.b/037b3701.d
Ccal Level: 4 , Ccal Amount: 1000		

25-JAN-2008 16:56	AR1660	/chem/ecd8a.i/012508.b/037f3701.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 19:48	AR1660	/chem/ecd8a.i/012508.b/051f5101.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 18:09	AR1660	/chem/ecd8a.i/012508.b/043f4301.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 13:01	AR1660	/chem/ecd8a.i/012508.b/028f2801.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 11:23	AR1660	/chem/ecd8a.i/012508.b/020f2001.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 09:08	AR1268	/chem/ecd8a.i/012508.b/009f0901.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 08:55	AR1262	/chem/ecd8a.i/012508.b/008f0801.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 08:43	AR1221	/chem/ecd8a.i/012508.b/007f0701.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 08:22	AR1232	/chem/ecd8a.i/012508.b/006f0601.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 08:09	AR1248	/chem/ecd8a.i/012508.b/005f0501.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 07:57	AR1242	/chem/ecd8a.i/012508.b/004f0401.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 07:45	AR1254	/chem/ecd8a.i/012508.b/003f0301.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 07:32	AR1660	/chem/ecd8a.i/012508.b/002f0201.d

Report Date: 28-Jan-2008 16:21

Calibration History

Method : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m
Start Cal Date: 07-DEC-2007 08:46
End Cal Date : 23-JAN-2008 13:58

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 100.00000		
23-JAN-2008 12:07	AR1248	/chem/ecd8a.i/012308.b/018b1801.d
23-JAN-2008 10:53	AR1242	/chem/ecd8a.i/012308.b/012b1201.d
19-DEC-2007 13:03	AR1254	/chem/ecd8a.i/121907.b/010b1001.d
23-JAN-2008 09:39	AR1660	/chem/ecd8a.i/012308.b/006b0601.d

Cal Level: 2 , Cal Amount: 250.00000		
23-JAN-2008 12:20	AR1248	/chem/ecd8a.i/012308.b/019b1901.d
23-JAN-2008 11:06	AR1242	/chem/ecd8a.i/012308.b/013b1301.d
19-DEC-2007 13:15	AR1254	/chem/ecd8a.i/121907.b/011b1101.d
23-JAN-2008 09:52	AR1660	/chem/ecd8a.i/012308.b/007b0701.d

Cal Level: 3 , Cal Amount: 500.00000		
23-JAN-2008 12:32	AR1248	/chem/ecd8a.i/012308.b/020b2001.d
23-JAN-2008 11:18	AR1242	/chem/ecd8a.i/012308.b/014b1401.d
19-DEC-2007 13:28	AR1254	/chem/ecd8a.i/121907.b/012b1201.d
23-JAN-2008 10:04	AR1660	/chem/ecd8a.i/012308.b/008b0801.d

Cal Level: 4 , Cal Amount: 1000.00000		
23-JAN-2008 13:58	AR1268	/chem/ecd8a.i/012308.b/027b2701.d
23-JAN-2008 13:46	AR1262	/chem/ecd8a.i/012308.b/026b2601.d
23-JAN-2008 13:33	AR1221	/chem/ecd8a.i/012308.b/025b2501.d
23-JAN-2008 13:21	AR1232	/chem/ecd8a.i/012308.b/024b2401.d
23-JAN-2008 12:44	AR1248	/chem/ecd8a.i/012308.b/021b2101.d
23-JAN-2008 11:30	AR1242	/chem/ecd8a.i/012308.b/015b1501.d
19-DEC-2007 13:40	AR1254	/chem/ecd8a.i/121907.b/013b1301.d
23-JAN-2008 10:16	AR1660	/chem/ecd8a.i/012308.b/009b0901.d

Cal Level: 5 , Cal Amount: 4000.00000		
23-JAN-2008 12:56	AR1248	/chem/ecd8a.i/012308.b/022b2201.d
23-JAN-2008 11:43	AR1242	/chem/ecd8a.i/012308.b/016b1601.d
19-DEC-2007 13:52	AR1254	/chem/ecd8a.i/121907.b/014b1401.d
23-JAN-2008 10:29	AR1660	/chem/ecd8a.i/012308.b/010b1001.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 16:56	AR1660	/chem/ecd8a.i/012508.b/037b3701.d
Ccal Level: 4 , Ccal Amount: 1000		

25-JAN-2008 19:48	AR1660	/chem/ecd8a.i/012508.b/051b5101.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 18:09	AR1660	/chem/ecd8a.i/012508.b/043b4301.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 13:01	AR1660	/chem/ecd8a.i/012508.b/028b2801.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 11:23	AR1660	/chem/ecd8a.i/012508.b/020b2001.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 09:08	AR1268	/chem/ecd8a.i/012508.b/009b0901.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 08:55	AR1262	/chem/ecd8a.i/012508.b/008b0801.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 08:43	AR1221	/chem/ecd8a.i/012508.b/007b0701.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 08:22	AR1232	/chem/ecd8a.i/012508.b/006b0601.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 08:09	AR1248	/chem/ecd8a.i/012508.b/005b0501.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 07:57	AR1242	/chem/ecd8a.i/012508.b/004b0401.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 07:45	AR1254	/chem/ecd8a.i/012508.b/003b0301.d
Ccal Level: 4 , Ccal Amount: 1000		
25-JAN-2008 07:32	AR1660	/chem/ecd8a.i/012508.b/002b0201.d

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m
 Quant Method : ESTD Target Version : 3.50
 Last Update : 28-Jan-2008 08:28 Number of Cpnds : 12
 Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events Values

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Initial:Start Threshold 758.000000
Initial:End Threshold   379.000000
Initial:Area Threshold  734.000000
Initial:P-P Resolution  1.000000
Initial:Bunch Factor    2.000000
Initial:Negative Peaks  OFF
Initial:Tension         1.500000
   6.500:Bunch Factor   2.000000
  
```

Compound	RT	RT Window	RF
1 Aroclor-1016	3.020	2.990-3.050	3.137e+03
	3.115	3.085-3.145	2.084e+03
	3.251	3.221-3.281	1.097e+03
	3.268	3.238-3.298	1.178e+03
	3.410	3.380-3.440	1.547e+03
2 Aroclor-1221	2.275	2.245-2.305	7.565e+02
	2.385	2.355-2.415	4.088e+02
	2.416	2.386-2.446	1.777e+03
3 Aroclor-1232	2.413	2.383-2.443	1.506e+03
	2.677	2.647-2.707	1.138e+03
	3.020	2.990-3.050	1.427e+03
4 Aroclor-1242	3.411	3.381-3.441	6.411e+02
	3.715	3.685-3.745	5.976e+02
	2.676	2.646-2.706	1.988e+03
	3.020	2.990-3.050	2.422e+03
	3.115	3.085-3.145	1.601e+03
5 Aroclor-1248	3.160	3.130-3.190	9.820e+02
	3.252	3.222-3.282	8.216e+02
	3.252	3.222-3.282	1.613e+03
	3.269	3.239-3.299	1.473e+03
	3.472	3.442-3.502	1.635e+03
	3.714	3.684-3.744	2.384e+03
	3.734	3.704-3.764	2.358e+03

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m

Compound	RT	RT Window	RF
6 Aroclor-1254	3.683	3.653-3.713	2.351e+03
	3.715	3.685-3.745	1.388e+03
	4.148	4.118-4.178	4.043e+03
	4.344	4.314-4.374	3.058e+03
	4.472	4.442-4.502	3.001e+03
7 Aroclor-1260	4.470	4.440-4.500	4.324e+03
	4.663	4.633-4.693	4.940e+03
	4.743	4.713-4.773	2.232e+03
	4.913	4.883-4.943	2.510e+03
	5.127	5.097-5.157	5.174e+03
8 Aroclor-1262	4.277	4.247-4.307	2.138e+03
	4.471	4.441-4.501	2.789e+03
	4.745	4.715-4.775	3.495e+03
	4.914	4.884-4.944	3.247e+03
	5.129	5.099-5.159	6.333e+03
9 Aroclor-1268	4.910	4.880-4.940	2.071e+03
	5.346	5.316-5.376	8.022e+03
	5.374	5.344-5.404	7.764e+03
	5.505	5.475-5.535	6.385e+03
	5.945	5.915-5.975	1.800e+04
M 10 Aroclor-Total	1.000	0.980-1.020	
\$ 11 4cmx	2.135	2.105-2.165	6.595e+04
\$ 12 Decachlorobiphenyl	6.073	6.043-6.103	4.804e+04

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m
 Quant Method : ESTD Target Version : 3.50
 Last Update : 28-Jan-2008 08:28 Number of Cpnds : 12
 Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events

Values

```

-----
Initial:Start Threshold      733.000000
Initial:End Threshold        366.500000
Initial:Area Threshold       522.000000
Initial:P-P Resolution       0.000000
Initial:Bunch Factor         2.000000
Initial:Negative Peaks       OFF
Initial:Tension              2.000000
  9.000:Bunch Factor         2.000000
  
```

Compound	RT	RT Window	RF
1 Aroclor-1016	3.506	3.476-3.536	1.617e+03
	3.584	3.554-3.614	9.580e+02
	3.655	3.625-3.685	1.005e+03
	3.686	3.656-3.716	1.038e+03
	3.851	3.821-3.881	1.307e+03
2 Aroclor-1221	2.588	2.558-2.618	6.444e+02
	2.700	2.670-2.730	3.851e+02
	2.747	2.717-2.777	1.326e+03
3 Aroclor-1232	3.060	3.030-3.090	1.007e+03
	3.408	3.378-3.438	1.143e+03
	3.508	3.478-3.538	7.229e+02
	3.852	3.822-3.882	5.314e+02
4 Aroclor-1242	4.128	4.098-4.158	5.309e+02
	3.408	3.378-3.438	1.970e+03
	3.507	3.477-3.537	1.257e+03
	3.583	3.553-3.613	7.373e+02
5 Aroclor-1248	3.852	3.822-3.882	1.034e+03
	4.127	4.097-4.157	1.037e+03
	3.655	3.625-3.685	1.424e+03
	3.852	3.822-3.882	1.754e+03
	3.940	3.910-3.970	1.906e+03
	4.127	4.097-4.157	1.993e+03
	4.159	4.129-4.189	2.241e+03

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m

Compound	RT	RT Window	RF
6 Aroclor-1254	4.155	4.125-4.185	2.208e+03
	4.292	4.262-4.322	2.458e+03
	4.621	4.591-4.651	3.353e+03
	4.781	4.751-4.811	2.461e+03
	4.904	4.874-4.934	1.643e+03
7 Aroclor-1260	4.757	4.727-4.787	2.386e+03
	4.904	4.874-4.934	2.896e+03
	5.156	5.126-5.186	2.883e+03
	5.599	5.569-5.629	4.442e+03
	5.856	5.826-5.886	3.232e+03
8 Aroclor-1262	4.904	4.874-4.934	2.103e+03
	5.218	5.188-5.248	2.954e+03
	5.425	5.395-5.455	2.788e+03
	5.599	5.569-5.629	5.355e+03
	5.850	5.820-5.880	3.833e+03
9 Aroclor-1268	5.425	5.395-5.455	1.741e+03
	5.848	5.818-5.878	6.905e+03
	5.880	5.850-5.910	6.558e+03
	6.055	6.025-6.085	5.355e+03
	6.481	6.451-6.511	1.538e+04
M 10 Aroclor-Total	1.000	0.980-1.020	
\$ 11 4cmx	2.346	2.316-2.376	5.179e+04
\$ 12 Decachlorobiphenyl	6.659	6.629-6.689	3.895e+04

GEL Laboratories LLC
INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2007 08:46
 End Cal Date : 23-JAN-2008 13:58
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m
 Cal Date : 28-Jan-2008 08:28 jen01212
 Curve Type : Average

Calibration File Names:

Level 1: /chem/ecd8a.i/012308.b/018f1801.d
 Level 2: /chem/ecd8a.i/012308.b/019f1901.d
 Level 3: /chem/ecd8a.i/012308.b/020f2001.d
 Level 4: /chem/ecd8a.i/012308.b/025f2501.d
 Level 5: /chem/ecd8a.i/012308.b/022f2201.d

Compound	100.000 Level 1	250.000 Level 2	500.000 Level 3	1000.000 Level 4	4000.000 Level 5	RRF	% RSD
1 Aroclor-1016(1)	3572	3358	3102	3105	2545	3137	12.258
(2)	2448	2225	2079	1984	1686	2084	13.592
(3)	1312	1167	1080	1018	907	1097	13.947
(4)	1380	1274	1166	1134	939	1178	14.002
(5)	1815	1635	1524	1481	1278	1547	12.784
2 Aroclor-1221(1)	++++	++++	++++	756	++++	756	0.000
(2)	++++	++++	++++	409	++++	409	0.000
(3)	++++	++++	++++	1777	++++	1777	0.000
3 Aroclor-1232(1)	++++	++++	++++	1506	++++	1506	0.000
(2)	++++	++++	++++	1138	++++	1138	0.000
(3)	++++	++++	++++	1427	++++	1427	0.000
(4)	++++	++++	++++	641	++++	641	0.000
(5)	++++	++++	++++	598	++++	598	0.000
4 Aroclor-1242(1)	2410	2135	2021	1868	1504	1988	16.861
(2)	2763	2510	2433	2344	2062	2422	10.525
(3)	1869	1693	1617	1520	1307	1601	12.999
(4)	1107	1029	1007	941	825	982	10.780
(5)	962	869	833	773	671	822	13.186
5 Aroclor-1248(1)	1897	1735	1580	1522	1328	1613	13.385
(2)	1739	1589	1462	1402	1173	1473	14.372
(3)	1865	1758	1607	1550	1394	1635	11.196
(4)	2679	2499	2357	2313	2070	2384	9.499
(5)	2677	2546	2369	2278	1920	2358	12.285
6 Aroclor-1254(1)	2716	2500	2368	2262	1910	2351	12.723
(2)	1594	1508	1405	1328	1107	1388	13.465
(3)	4499	4262	4138	3963	3352	4043	10.698
(4)	3401	3209	3104	2993	2581	3058	9.997
(5)	3419	3199	3062	2913	2410	3001	12.632

GEL Laboratories LLC
INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2007 08:46
 End Cal Date : 23-JAN-2008 13:58
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m
 Cal Date : 28-Jan-2008 08:28 jen01212
 Curve Type : Average

Compound	100.000 Level 1	250.000 Level 2	500.000 Level 3	1000.000 Level 4	4000.000 Level 5	RRF	% RSD
7 Aroclor-1260(1)	4928	4579	4391	4223	3500	4324	12.256
(2)	5608	5210	4978	4834	4068	4940	11.505
(3)	2551	2382	2242	2166	1822	2232	12.207
(4)	2817	2673	2530	2450	2078	2510	11.121
(5)	5815	5483	5245	5094	4231	5174	11.462
8 Aroclor-1262(1)	++++	++++	++++	2138	++++	2138	0.000
(2)	++++	++++	++++	2789	++++	2789	0.000
(3)	++++	++++	++++	3495	++++	3495	0.000
(4)	++++	++++	++++	3247	++++	3247	0.000
(5)	++++	++++	++++	6333	++++	6333	0.000
9 Aroclor-1268(1)	++++	++++	++++	2071	++++	2071	0.000
(2)	++++	++++	++++	8022	++++	8022	0.000
(3)	++++	++++	++++	7764	++++	7764	0.000
(4)	++++	++++	++++	6385	++++	6385	0.000
(5)	++++	++++	++++	18000	++++	18000	0.000
M 10 Aroclor-Total	++++	++++	++++	++++	++++	++++	++++
\$ 11 4cmx	75461	69634	66218	63987	54463	65953	11.742
\$ 12 Decachlorobiphenyl	56069	51219	48182	46511	38232	48043	13.694

GEL Laboratories LLC
INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2007 08:46
 End Cal Date : 23-JAN-2008 13:58
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m
 Cal Date : 28-Jan-2008 08:28 jen01212
 Curve Type : Average

Calibration File Names:

Level 1: /chem/ecd8a.i/012308.b/018b1801.d
 Level 2: /chem/ecd8a.i/012308.b/019b1901.d
 Level 3: /chem/ecd8a.i/012308.b/020b2001.d
 Level 4: /chem/ecd8a.i/012308.b/027b2701.d
 Level 5: /chem/ecd8a.i/012308.b/022b2201.d

Compound	100.000	250.000	500.000	1000.000	4000.000	RRF	% RSD
Level 1	Level 2	Level 3	Level 4	Level 5			
1 Aroclor-1016(1)	1901	1718	1608	1542	1315	1617	13.403
(2)	1094	998	952	927	820	958	10.442
(3)	1208	1075	993	944	806	1005	14.892
(4)	1241	1106	1032	971	841	1038	14.413
(5)	1528	1380	1301	1251	1074	1307	12.799
2 Aroclor-1221(1)	++++	++++	++++	644	++++	644	0.000
(2)	++++	++++	++++	385	++++	385	0.000
(3)	++++	++++	++++	1326	++++	1326	0.000
3 Aroclor-1232(1)	++++	++++	++++	1007	++++	1007	0.000
(2)	++++	++++	++++	1143	++++	1143	0.000
(3)	++++	++++	++++	723	++++	723	0.000
(4)	++++	++++	++++	531	++++	531	0.000
(5)	++++	++++	++++	531	++++	531	0.000
4 Aroclor-1242(1)	2138	2062	1949	1998	1705	1970	8.345
(2)	1510	1306	1244	1196	1028	1257	13.939
(3)	841	761	725	717	642	737	9.850
(4)	1192	1086	1031	994	865	1034	11.641
(5)	1191	1072	1024	1008	889	1037	10.556
5 Aroclor-1248(1)	1663	1531	1407	1342	1177	1424	12.982
(2)	2022	1858	1731	1680	1480	1754	11.531
(3)	2203	1990	1872	1833	1634	1906	10.988
(4)	2228	2058	1974	1962	1742	1993	8.831
(5)	2499	2344	2240	2186	1936	2241	9.292
6 Aroclor-1254(1)	2559	2364	2228	2120	1770	2208	13.339
(2)	2855	2615	2489	2355	1974	2458	13.311
(3)	3735	3541	3452	3284	2752	3353	11.129
(4)	2750	2551	2522	2436	2047	2461	10.515
(5)	1883	1742	1647	1566	1375	1643	11.590

GEL Laboratories LLC
INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2007 08:46
 End Cal Date : 23-JAN-2008 13:58
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m
 Cal Date : 28-Jan-2008 08:28 jen01212
 Curve Type : Average

Compound	100.000 Level 1	250.000 Level 2	500.000 Level 3	1000.000 Level 4	4000.000 Level 5	RRF	% RSD
7 Aroclor-1260(1)	2757	2505	2388	2316	1964	2386	12.127
(2)	3290	3031	2908	2839	2412	2896	11.071
(3)	3315	2972	2883	2812	2430	2883	11.038
(4)	4915	4649	4488	4413	3744	4442	9.791
(5)	3630	3348	3217	3170	2792	3232	9.405
8 Aroclor-1262(1)	+++++	+++++	+++++	2103	+++++	2103	0.000
(2)	+++++	+++++	+++++	2954	+++++	2954	0.000
(3)	+++++	+++++	+++++	2788	+++++	2788	0.000
(4)	+++++	+++++	+++++	5355	+++++	5355	0.000
(5)	+++++	+++++	+++++	3833	+++++	3833	0.000
9 Aroclor-1268(1)	+++++	+++++	+++++	1741	+++++	1741	0.000
(2)	+++++	+++++	+++++	6905	+++++	6905	0.000
(3)	+++++	+++++	+++++	6558	+++++	6558	0.000
(4)	+++++	+++++	+++++	5355	+++++	5355	0.000
(5)	+++++	+++++	+++++	15383	+++++	15383	0.000
M 10 Aroclor-Total	+++++	+++++	+++++	+++++	+++++	+++++	+++++
\$ 11 4cmx	55586	53348	52355	51890	45777	51791	7.049
\$ 12 Decachlorobiphenyl	44642	40805	38921	38057	32320	38949	11.525

GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012108.b/008f0801.d

Lab Smp Id: WAR080121-01 60

Client Smp ID: AR166001

Inj Date : 21-JAN-2008 11:39

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |WAR080121-01 60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012108.b/ECD8-F-8082-121207.m

Meth Date : 21-Jan-2008 13:59 jen01212

Quant Type: ESTD

Cal Date : 26-DEC-2007 12:19

Cal File: 022f2201.d

Als bottle: 8

Calibration Sample, Level: 1

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
11.4cmx						
2.142	2.139	0.003	909935 10.0000	11.9	80.00- 120.00	100.00

12 Decachlorobiphenyl						
6.082	6.077	0.005	362964 10.0000	11.5	80.00- 120.00	100.00

1 Aroclor-1016						
3.029	3.024	0.005	431752 100.000	100	80.00- 120.00	100.00(M)
3.124	3.120	0.004	275027 100.000	116	37.33- 77.33	63.70
3.261	3.256	0.005	141415 100.000	121	7.19- 47.19	32.75
3.278	3.272	0.006	165280 100.000	114	15.06- 55.06	38.28
3.421	3.415	0.006	295238 100.000	116	40.70- 80.70	68.38
Average of Peak Amounts =				113		

7 Aroclor-1260						
4.481	4.475	0.006	572629 100.000	115	80.00- 120.00	100.00
4.674	4.668	0.006	605847 100.000	112	89.58- 129.58	105.80
4.754	4.747	0.007	282608 100.000	114	29.38- 69.38	49.35
4.923	4.917	0.006	303856 100.000	113	33.95- 73.95	53.06
5.137	5.132	0.005	552508 100.000	110	82.22- 122.22	96.49
Average of Peak Amounts =				113		

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecd8a.i/012108.b/008f0801.d

Date: 21-JAN-2008 11:39

Client ID: AR166001

Sample Info: IMR080121-01 60

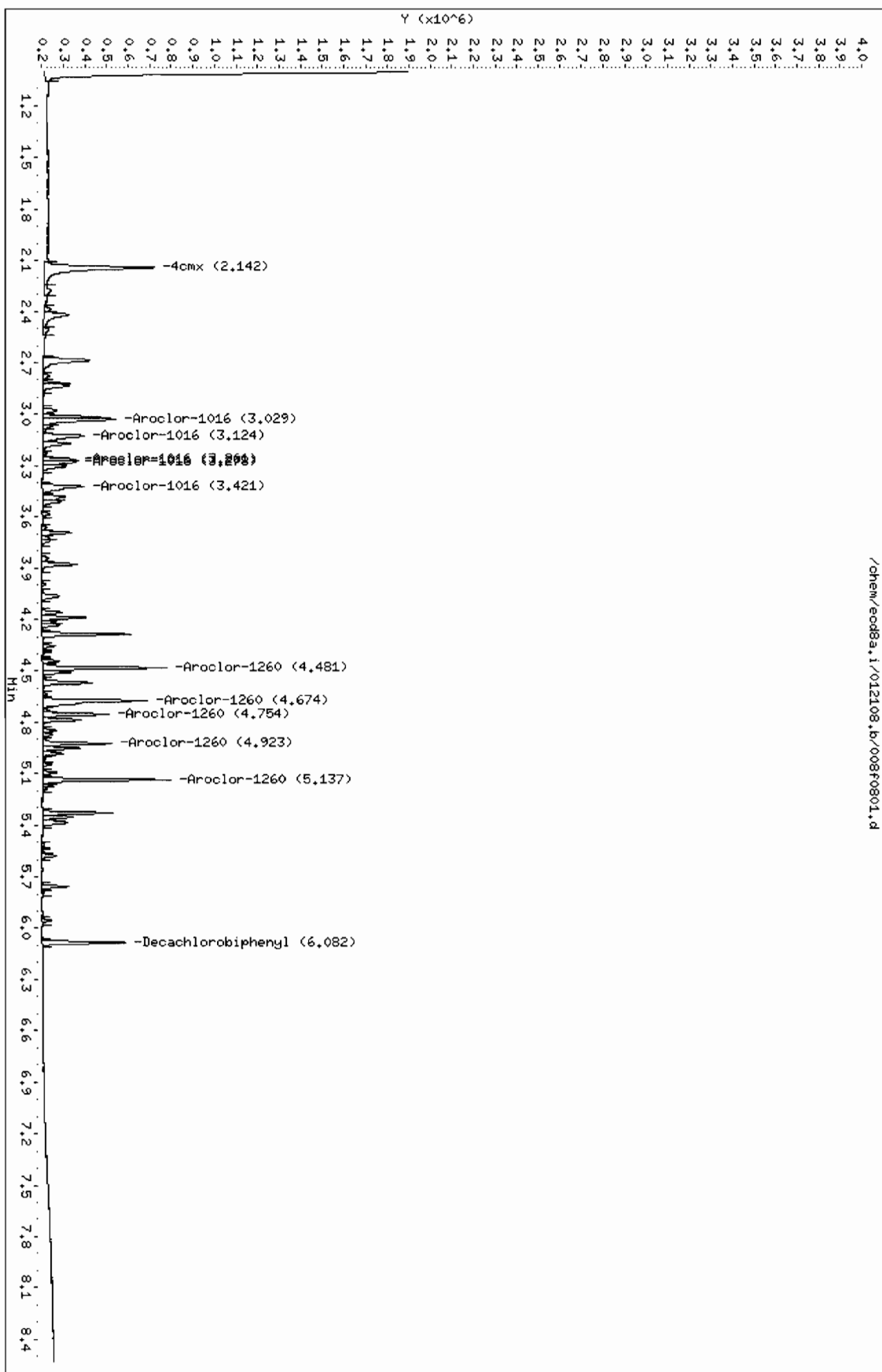
Column phase: CLP1

Instrument: ecd8a.i

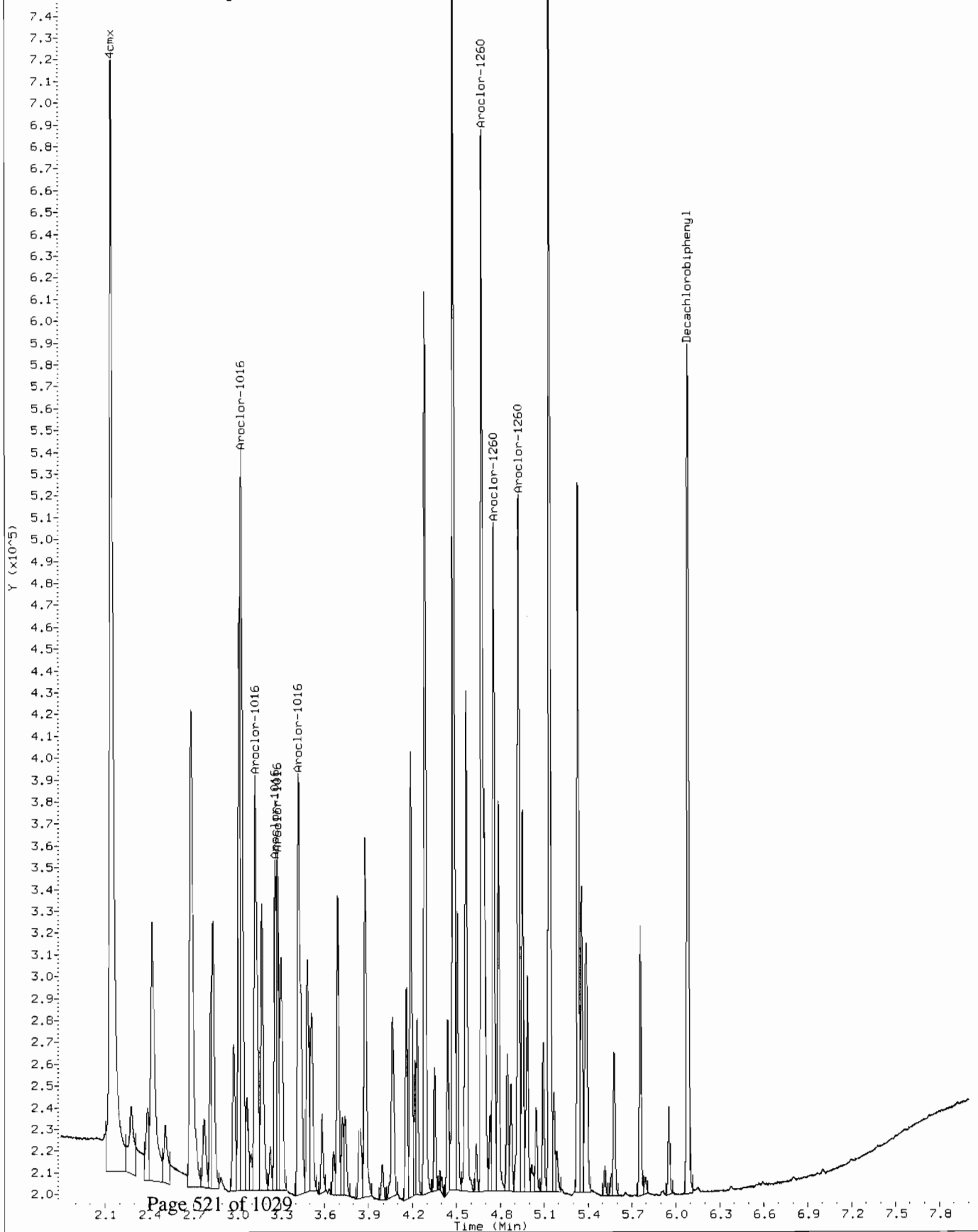
Operator: JAC

Column diameter: 0.25

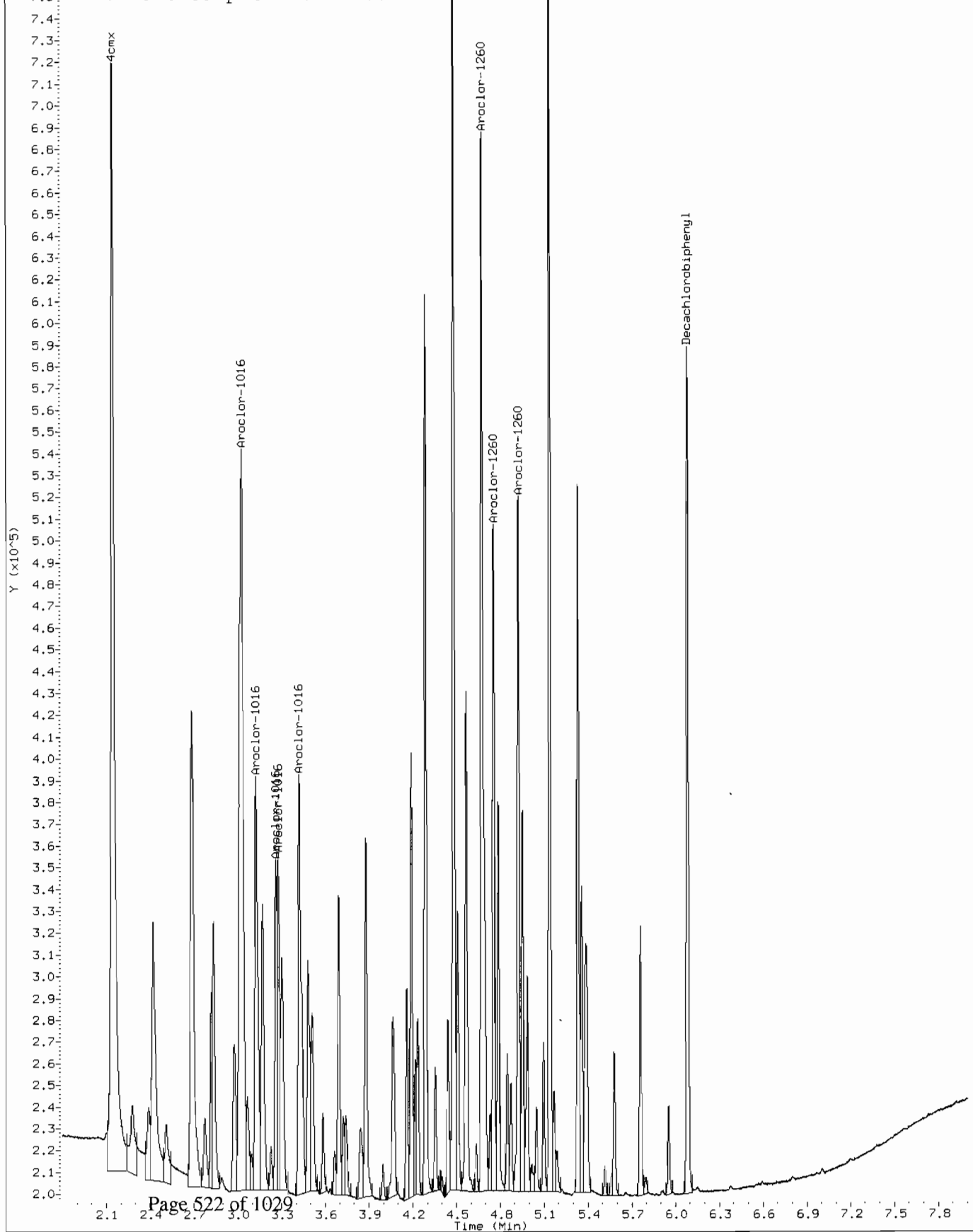
Page 1



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012108.b/008f0801.d
Operator: JAOC
Injection Date: 21-JAN-2008 11:39
Instrument: ecd8a.i
Client Sample ID: AR166001



Comment: Before manual integration
Data File: /chem/ecd8a.i/012108.b/orig-008f0801.d
Operator: JAOC
Injection Date: 21-JAN-2008 11:39
Instrument: ecd8a.i
Client Sample ID: AR166001



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012108.b/008b0801.d
 Lab Smp Id: WAR080121-01 60 Client Smp ID: AR166001
 Inj Date : 21-JAN-2008 11:39
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |WAR080121-01 60
 Misc Info :
 Comment :
 Method : /chem/ecd8a.i/012108.b/ECD8-B-8082-121207.m
 Meth Date : 21-Jan-2008 13:48 jen01212 Quant Type: ESTD
 Cal Date : 26-DEC-2007 12:19 Cal File: 022b2201.d
 Als bottle: 8 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1660.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.350	2.350	0.000	574171	10.0000	10.7	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.664	6.661	0.003	260597	10.0000	11.4	80.00- 120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2		
3.512	3.510	0.002	197613	100.000	116	80.00- 120.00	100.00 (M)
3.589	3.587	0.002	114814	100.000	113	39.60- 79.60	58.10
3.660	3.658	0.002	128020	100.000	119	41.99- 81.99	64.78
3.692	3.690	0.002	131428	100.000	119	44.41- 84.41	66.51
3.857	3.855	0.002	161366	100.000	115	62.05- 102.05	81.66
Average of Peak Amounts =					116		

7 Aroclor-1260					CAS #: 11096-82-5		
4.762	4.760	0.002	290218	100.000	114	80.00- 120.00	100.00
4.909	4.907	0.002	344197	100.000	113	100.36- 140.36	118.60
5.162	5.159	0.003	313226	100.000	108	95.09- 135.09	107.93
5.604	5.602	0.002	419026	100.000	108	135.67- 175.67	144.38
5.860	5.858	0.002	287617	100.000	109	82.98- 122.98	99.10
Average of Peak Amounts =					110		

Data File: /chem/ecd8a.i/012108.b/008b0801.d
Report Date: 21-Jan-2008 14:01

Page 2

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecd8a.i/012108.b/008b0801.d

Date : 21-JUN-2008 11:39

Client ID: AR166001

Sample Info: IMR080121-01 60

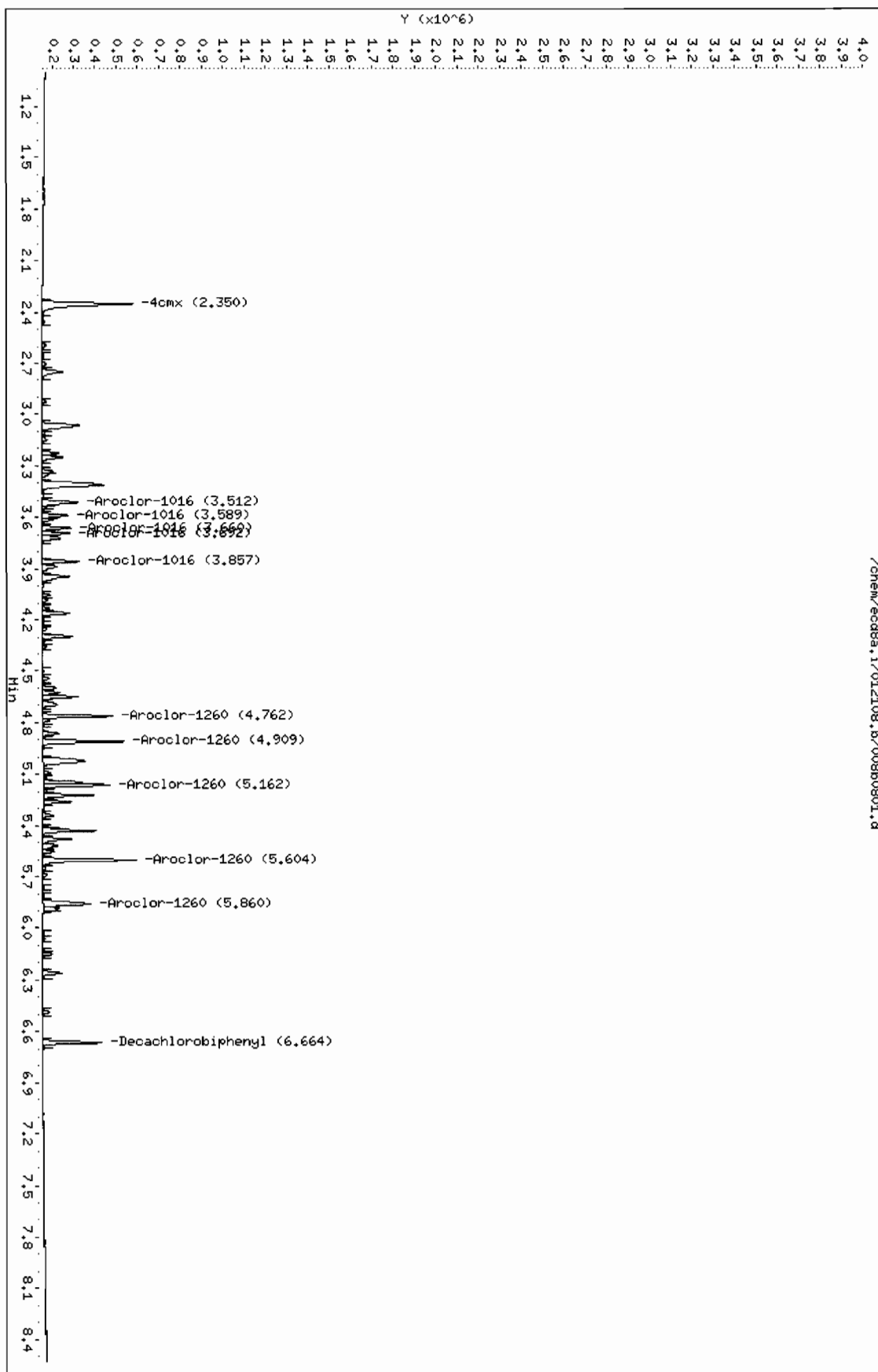
Column phase: CLP2

Instrument: ecd8a.i

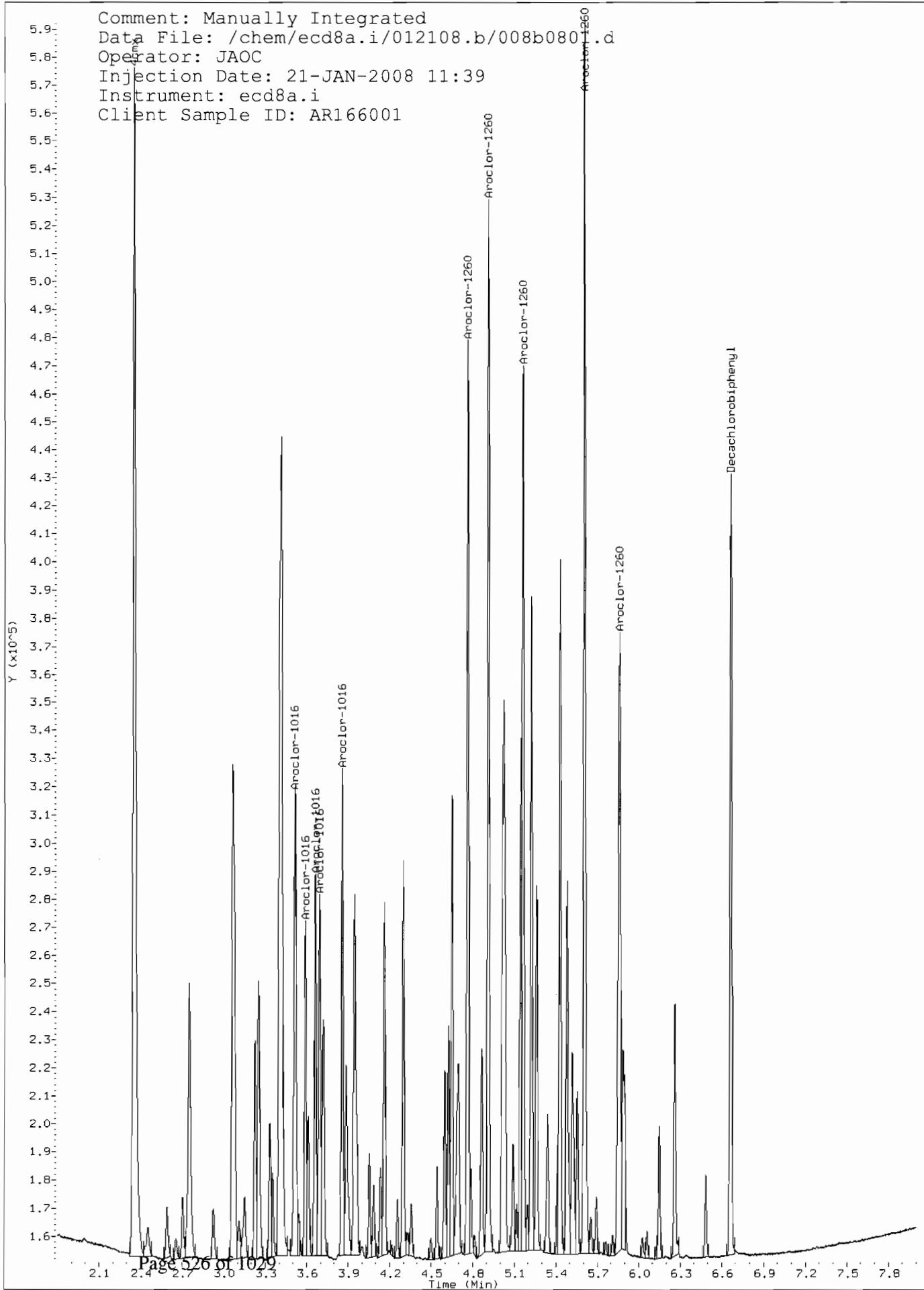
Operator: JAO

Column diameter: 0.25

Page 1

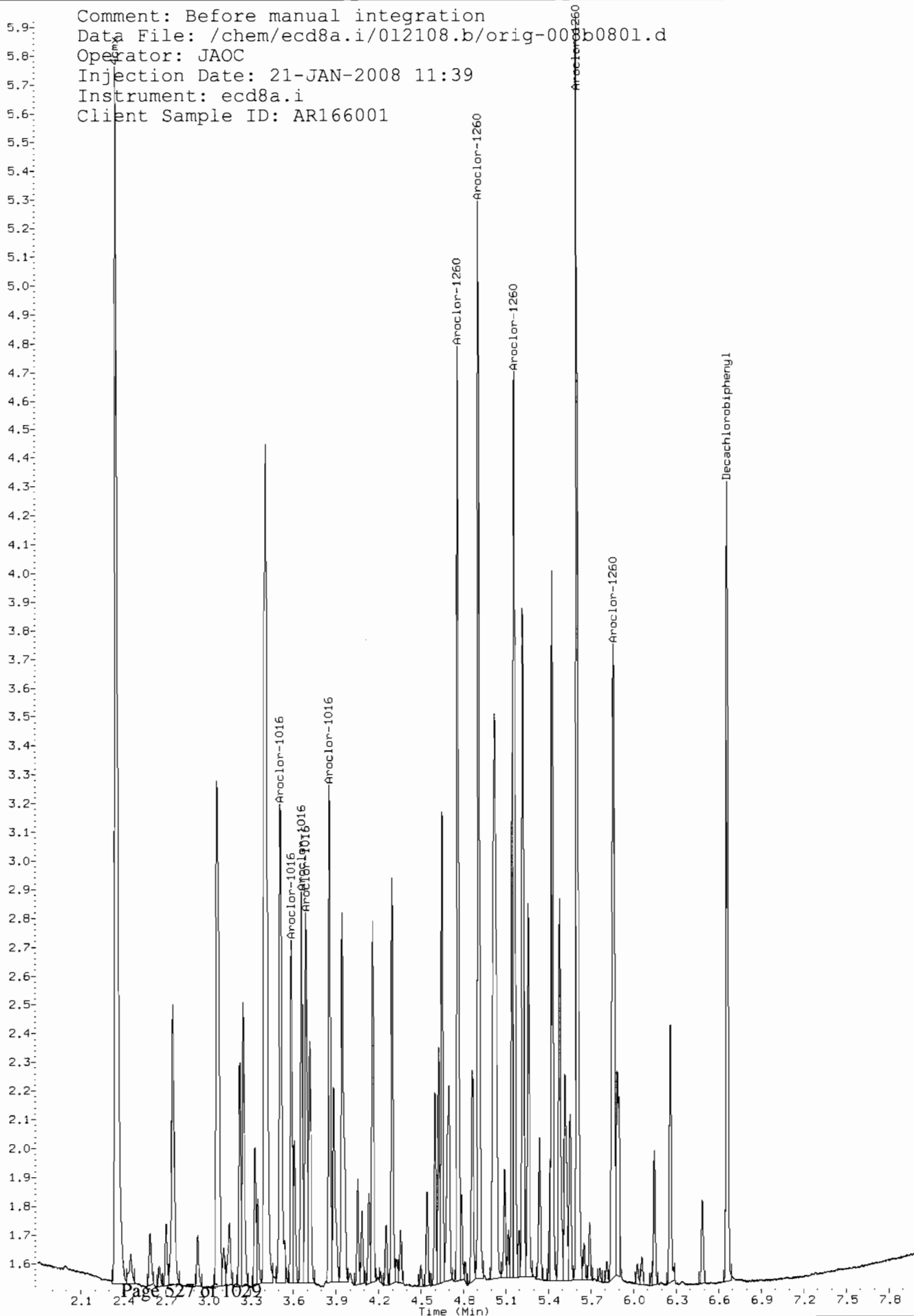


Comment: Manually Integrated
Data File: /chem/ecd8a.i/012108.b/008b0801.d
Operator: JAOC
Injection Date: 21-JAN-2008 11:39
Instrument: ecd8a.i
Client Sample ID: AR166001



Comment: Before manual integration
Data File: /chem/ecd8a.i/012108.b/orig-00b0801.d
Operator: JAOC
Injection Date: 21-JAN-2008 11:39
Instrument: ecd8a.i
Client Sample ID: AR166001

Y (x10⁻⁵)



GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL
 Data file : /chem/ecd8a.i/012108.b/009f0901.d
 Lab Smp Id: WAR080121-02 60 Client Smp ID: AR166002
 Inj Date : 21-JAN-2008 11:51
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |WAR080121-02 60
 Misc Info :
 Comment :
 Method : /chem/ecd8a.i/012108.b/ECD8-F-8082-121207.m
 Meth Date : 21-Jan-2008 13:59 jen01212 Quant Type: ESTD
 Cal Date : 26-DEC-2007 12:31 Cal File: 023f2301.d
 Als bottle: 9 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1660.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS							
		CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.138	2.139	-0.001	2062865	25.0000	27.0	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.077	6.077	0.000	837133	25.0000	26.5	80.00- 120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2		
3.024	3.024	0.000	1111950	250.000	258	80.00- 120.00	100.00
3.120	3.120	0.000	646381	250.000	272	37.33- 77.33	58.13
3.257	3.256	0.001	318236	250.000	271	7.19- 47.19	28.62
3.273	3.272	0.001	398294	250.000	275	15.06- 55.06	35.82
3.416	3.415	0.001	691948	250.000	272	40.70- 80.70	62.23
Average of Peak Amounts =					270		

7 Aroclor-1260					CAS #: 11096-82-5		
4.476	4.475	0.001	1342747	250.000	269	80.00- 120.00	100.00
4.668	4.668	0.000	1457021	250.000	268	89.58- 129.58	108.51
4.748	4.747	0.001	665947	250.000	269	29.38- 69.38	49.60
4.918	4.917	0.001	722479	250.000	268	33.95- 73.95	53.81
5.132	5.132	0.000	1348753	250.000	268	82.22- 122.22	100.45
Average of Peak Amounts =					268		

Data File: /chem/ecd8a.i/012108.b/009f0901.d

Date : 21-JAN-2008 11:51

Client ID: AR166002

Sample Info: IMR080121-02 60

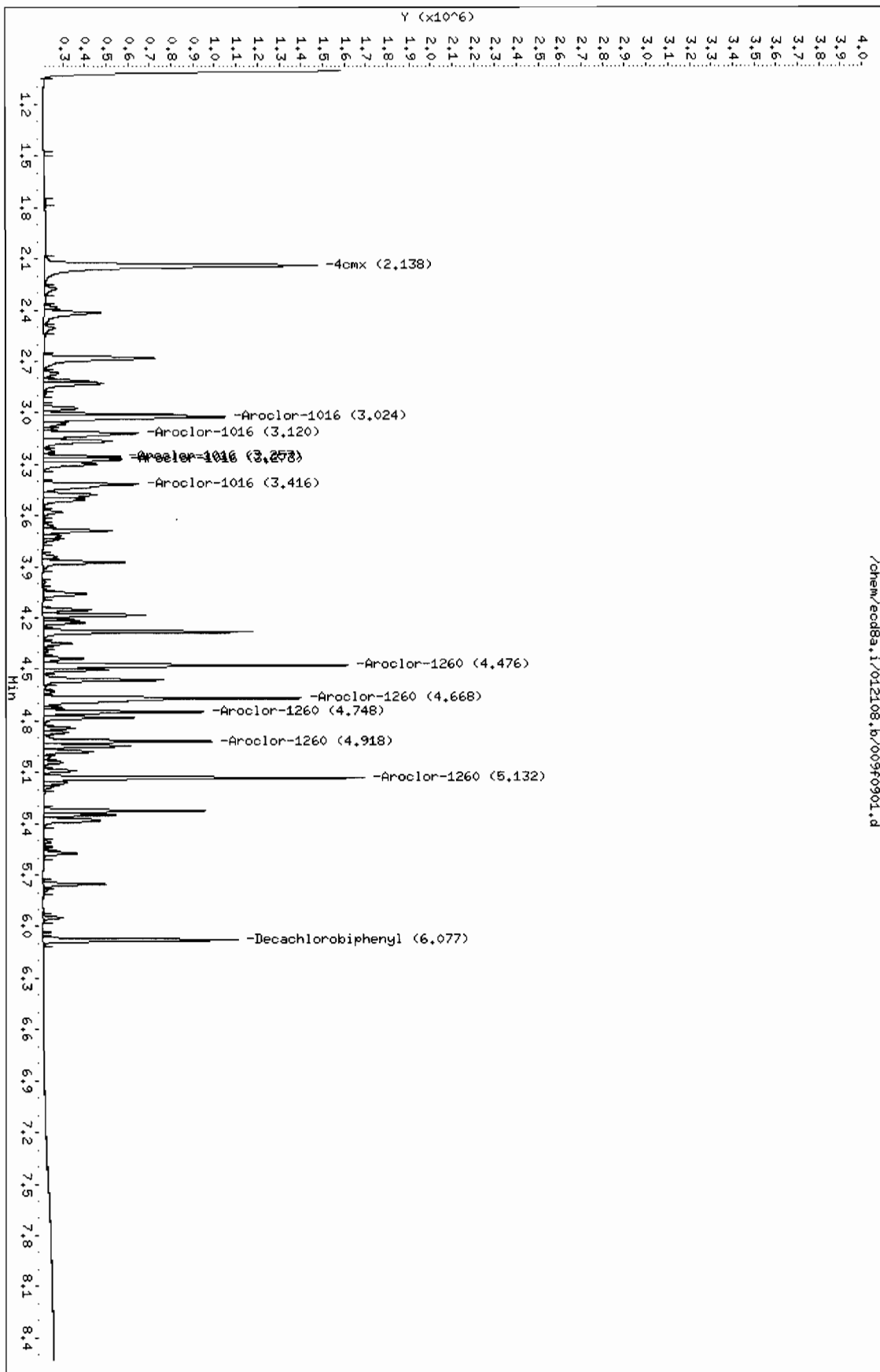
Column phase: CLP1

Instrument: ecd8a.i

Operator: JAC

Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012108.b/009b0901.d

Lab Smp Id: WAR080121-02 60

Client Smp ID: AR166002

Inj Date : 21-JAN-2008 11:51

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |WAR080121-02 60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012108.b/ECD8-B-8082-121207.m

Meth Date : 21-Jan-2008 13:48 jen01212

Quant Type: ESTD

Cal Date : 26-DEC-2007 12:31

Cal File: 023b2301.d

Als bottle: 9

Calibration Sample, Level: 2

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.349	2.350	-0.001	1404968	25.0000	26.2	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.661	6.661	0.000	599730	25.0000	26.3	80.00-	120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2			
3.510	3.510	0.000	462248	250.000	270	80.00-	120.00	100.00 (M)
3.587	3.587	0.000	268012	250.000	264	39.60-	79.60	57.98
3.658	3.658	0.000	293694	250.000	272	41.99-	81.99	63.54
3.690	3.690	0.000	300162	250.000	271	44.41-	84.41	64.94
3.855	3.855	0.000	375567	250.000	268	62.05-	102.05	81.25
Average of Peak Amounts =					269			

7 Aroclor-1260					CAS #: 11096-82-5			
4.760	4.760	0.000	685240	250.000	269	80.00-	120.00	100.00
4.907	4.907	0.000	815135	250.000	268	100.36-	140.36	118.96
5.159	5.159	0.000	762401	250.000	263	95.09-	135.09	111.26
5.601	5.602	-0.001	1026032	250.000	263	135.67-	175.67	149.73
5.858	5.858	0.000	689056	250.000	262	82.98-	122.98	100.56
Average of Peak Amounts =					265			

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecd8a.i/012108.b/009b0901.d

Date: 21-JAN-2008 11:51

Client ID: AR166002

Sample Info: IWR080121-02 60

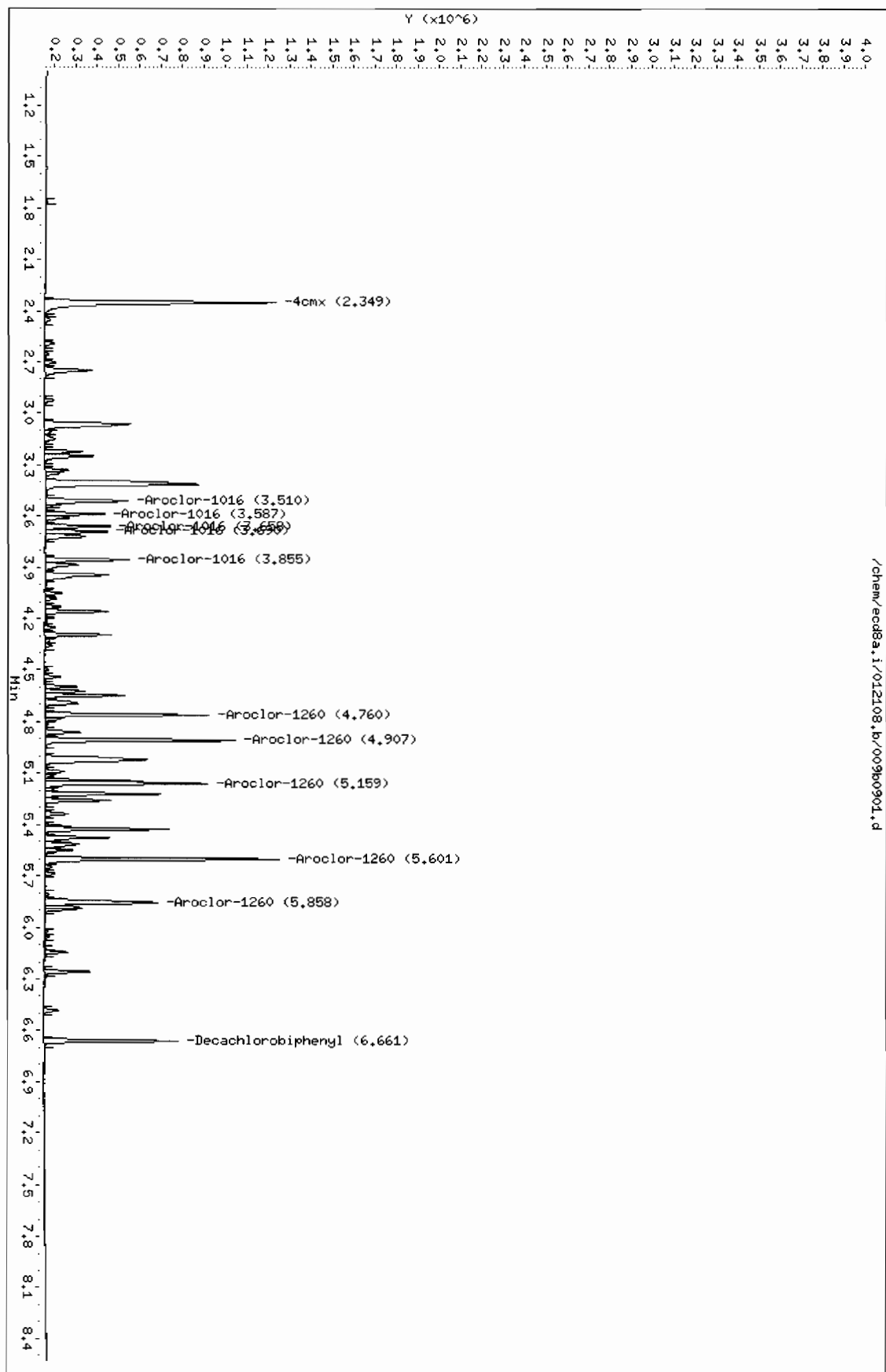
Column phase: CLP2

Instrument: ecd8a.i

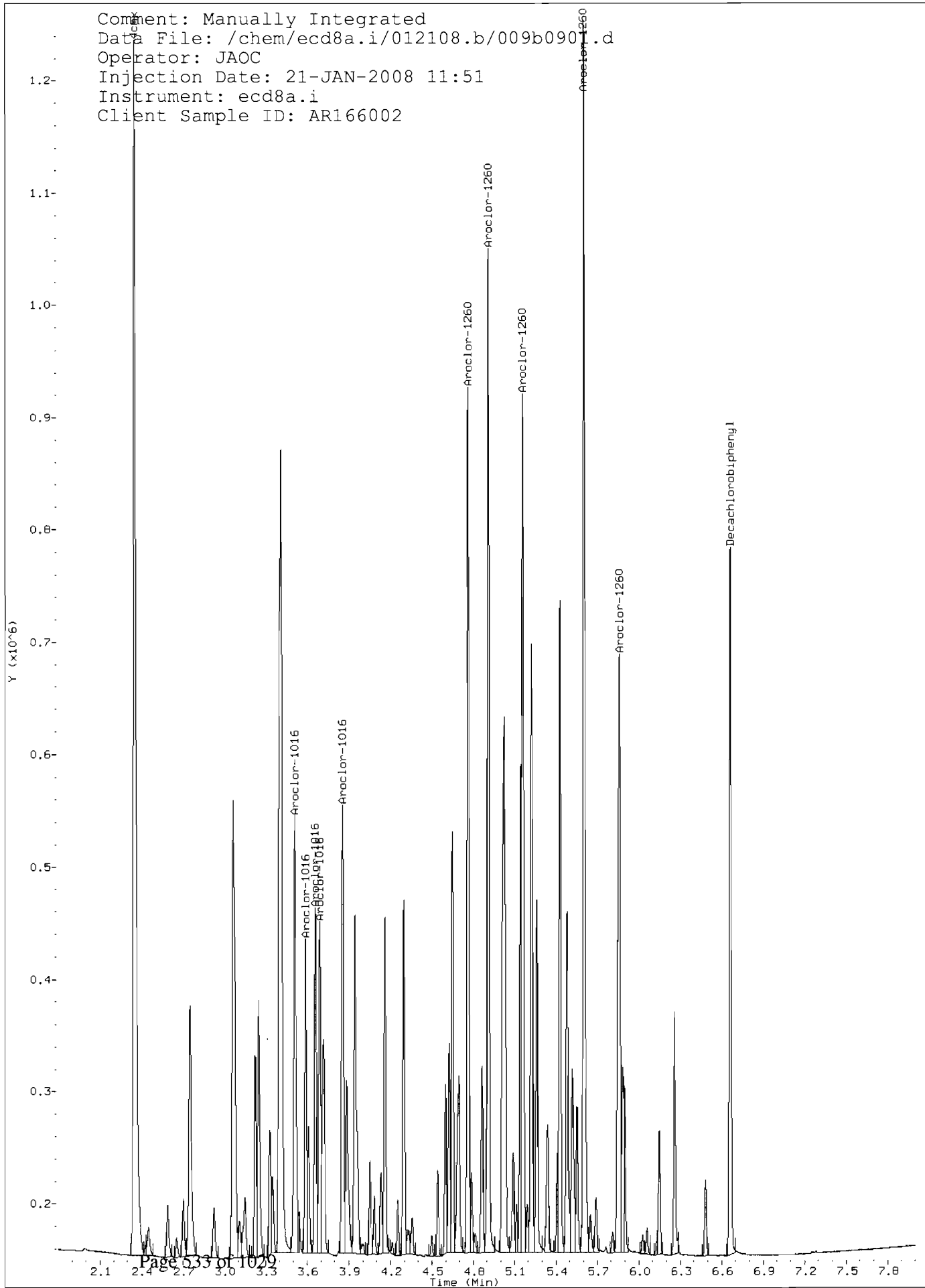
Operator: JHOC

Column diameter: 0.25

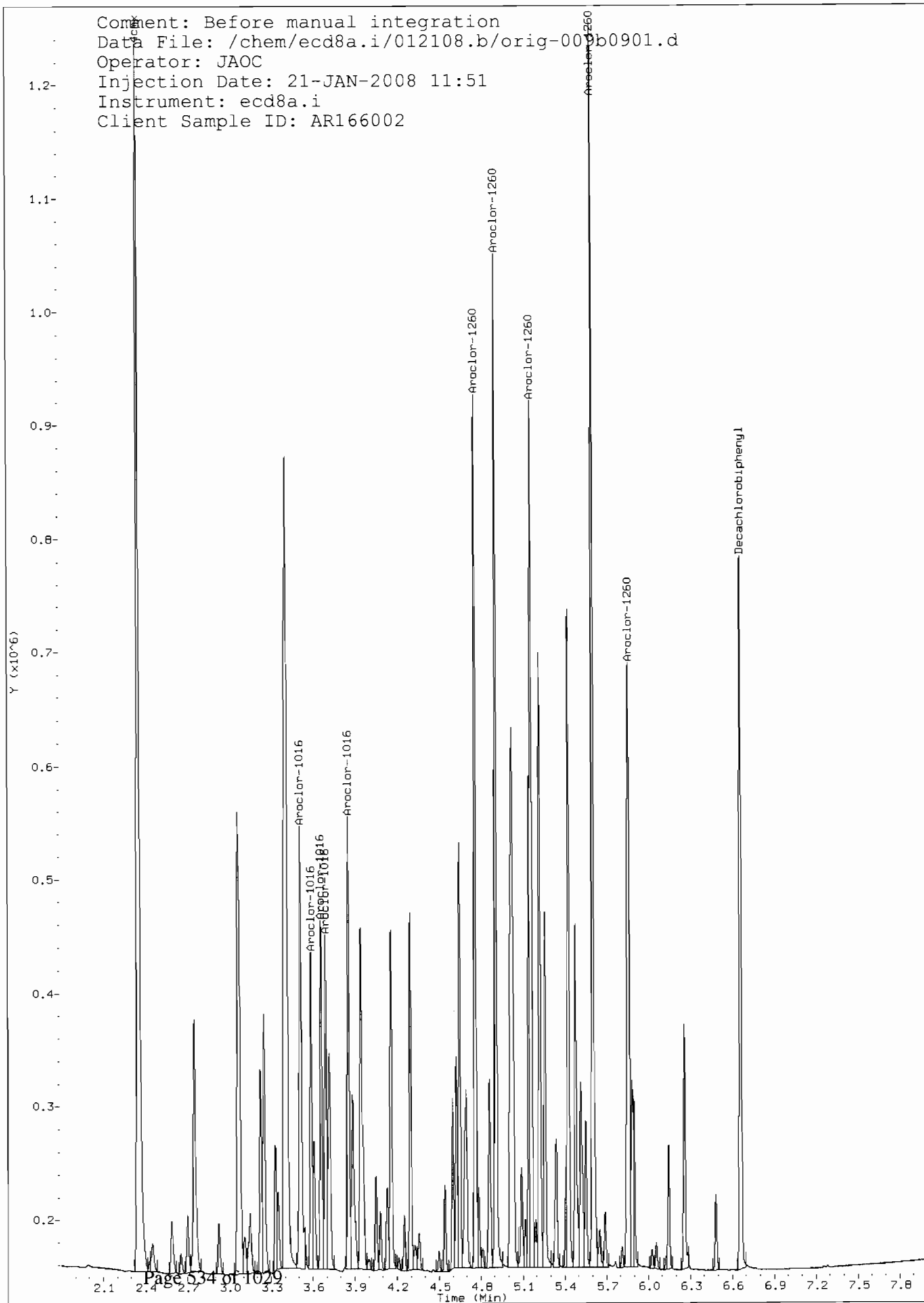
Page 1



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012108.b/009b0901.d
Operator: JAOC
Injection Date: 21-JAN-2008 11:51
Instrument: ecd8a.i
Client Sample ID: AR166002



Comment: Before manual integration
Data File: /chem/ecd8a.i/012108.b/orig-000b0901.d
Operator: JAOC
Injection Date: 21-JAN-2008 11:51
Instrument: ecd8a.i
Client Sample ID: AR166002



GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012108.b/010f1001.d

Lab Smp Id: WAR080121-03 60 Client Smp ID: AR166003

Inj Date : 21-JAN-2008 12:04

Operator : JAOC Inst ID: ecd8a.i

Smp Info : |WAR080121-03 60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012108.b/ECD8-F-8082-121207.m

Meth Date : 21-Jan-2008 13:59 jen01212 Quant Type: ESTD

Cal Date : 26-DEC-2007 12:44 Cal File: 024f2401.d

Als bottle: 10 Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: AR1660.sub

Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.138	2.139	-0.001	3757427	50.0000	49.2	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.076	6.077	-0.001	1592708	50.0000	50.5	80.00-	120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2			
3.023	3.024	-0.001	2030865	500.000	470	80.00-	120.00	100.00
3.119	3.120	-0.001	1179637	500.000	496	37.33-	77.33	58.09
3.256	3.256	0.000	569190	500.000	485	7.19-	47.19	28.03
3.272	3.272	0.000	722393	500.000	499	15.06-	55.06	35.57
3.415	3.415	0.000	1255718	500.000	494	40.70-	80.70	61.83
Average of Peak Amounts =					489			

7 Aroclor-1260					CAS #: 11096-82-5			
4.475	4.475	0.000	2519715	500.000	505	80.00-	120.00	100.00
4.668	4.668	0.000	2748521	500.000	506	89.58-	129.58	109.08
4.748	4.747	0.001	1237291	500.000	500	29.38-	69.38	49.10
4.917	4.917	0.000	1354937	500.000	502	33.95-	73.95	53.77
5.131	5.132	-0.001	2582448	500.000	512	82.22-	122.22	102.49
Average of Peak Amounts =					505			

Data File: /chem/ecod8a.i/012108.b/010f1001.d

Date : 21-JAN-2008 12:04

Client ID: AR166003

Sample Info: 1MAR080121-03 60

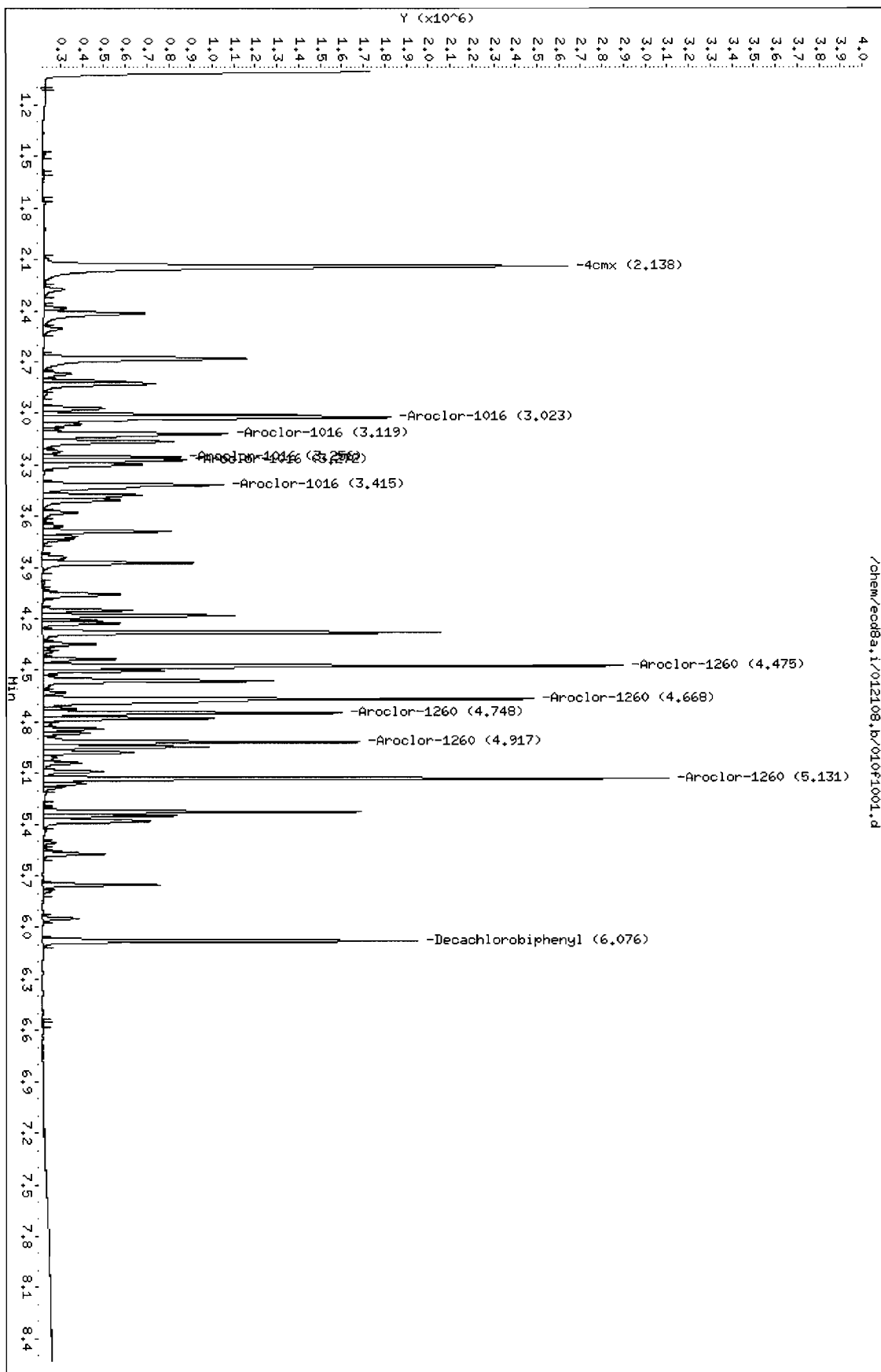
Column phase: CLP1

Instrument: ecod8a.i

Operator: JMO

Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012108.b/010b1001.d
 Lab Smp Id: WAR080121-03 60 Client Smp ID: AR166003
 Inj Date : 21-JAN-2008 12:04
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |WAR080121-03 60
 Misc Info :
 Comment :
 Method : /chem/ecd8a.i/012108.b/ECD8-B-8082-121207.m
 Meth Date : 21-Jan-2008 13:48 jen01212 Quant Type: ESTD
 Cal Date : 26-DEC-2007 12:44 Cal File: 024b2401.d
 Als bottle: 10 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1660.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
\$ 11 4cmx					CAS #: 877-09-8			
2.349	2.350	-0.001	2693576	50.0000	50.3	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.661	6.661	0.000	1140147	50.0000	49.9	80.00-	120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2			
3.510	3.510	0.000	849165	500.000	497	80.00-	120.00	100.00
3.586	3.587	-0.001	502038	500.000	494	39.60-	79.60	59.12
3.658	3.658	0.000	530946	500.000	492	41.99-	81.99	62.53
3.689	3.690	-0.001	545022	500.000	492	44.41-	84.41	64.18
3.854	3.855	-0.001	698428	500.000	499	62.05-	102.05	82.25
Average of Peak Amounts =					495			

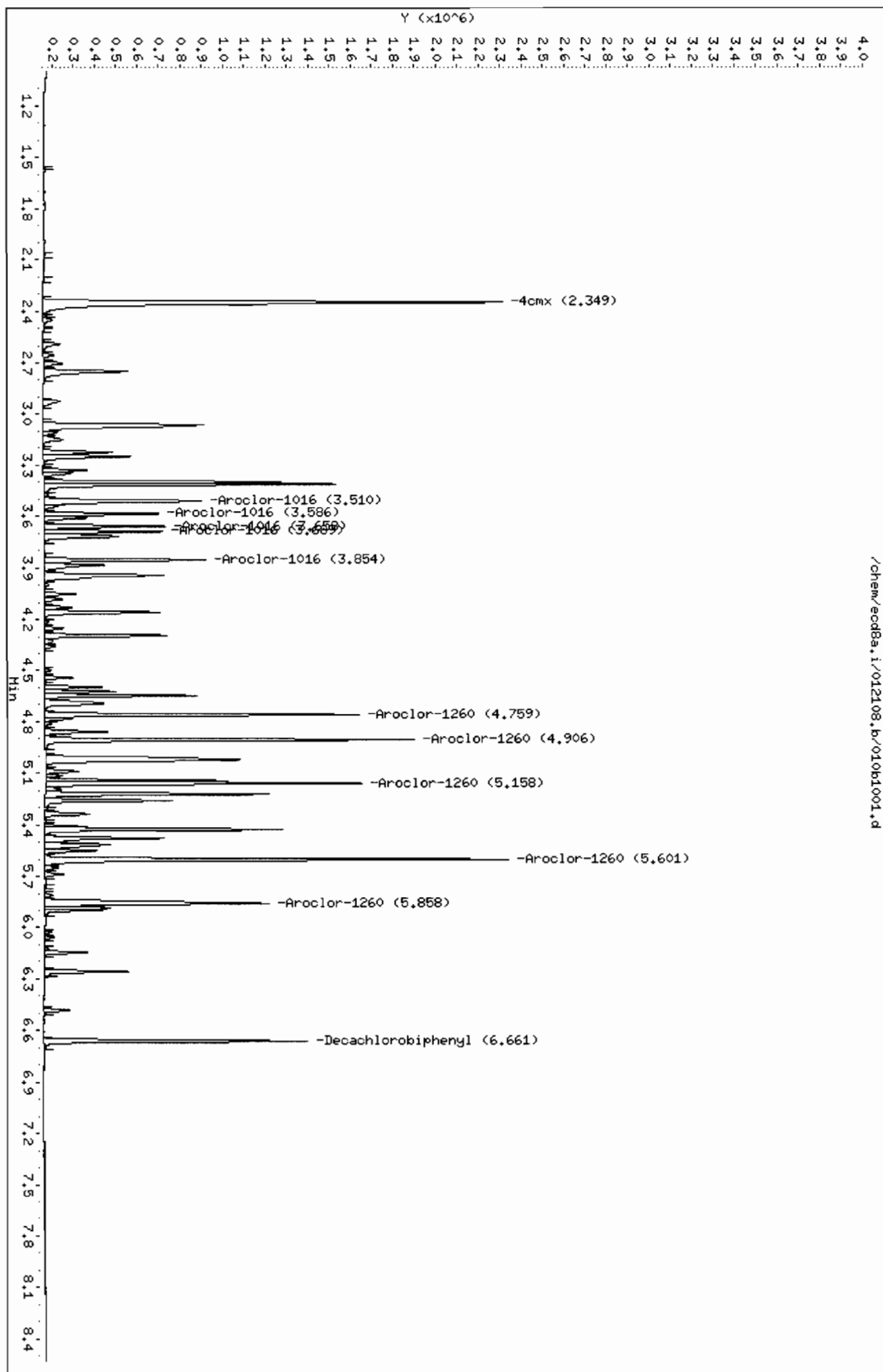
7 Aroclor-1260					CAS #: 11096-82-5			
4.759	4.760	-0.001	1271372	500.000	500	80.00-	120.00	100.00
4.906	4.907	-0.001	1525914	500.000	502	100.36-	140.36	120.02
5.158	5.159	-0.001	1471724	500.000	508	95.09-	135.09	115.76
5.601	5.602	-0.001	1987426	500.000	510	135.67-	175.67	156.32
5.858	5.858	0.000	1316979	500.000	501	82.98-	122.98	103.59
Average of Peak Amounts =					504			

Data File: /chem/ecdb8a.i/012108.b/010b1001.d
Date : 21-JAN-2008 12:04
Client ID: AR166003
Sample Info: 1MAR080121-03 60

Column phase: CLP2

Instrument: ecdb8a.i
Operator: JHOC
Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012108.b/011f1101.d

Lab Smp Id: WAR080121-04 60 Client Smp ID: AR166004

Inj Date : 21-JAN-2008 12:16

Operator : JAOC Inst ID: ecd8a.i

Smp Info : |WAR080121-04 60

Misc Info : |INSTBLNK|SOLV||IB|

Comment :

Method : /chem/ecd8a.i/012108.b/ECD8-F-8082-121207.m

Meth Date : 21-Jan-2008 13:59 jen01212 Quant Type: ESTD

Cal Date : 14-DEC-2007 06:19 Cal File: 030f3001.d

Als bottle: 11 Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 11 4cmx					CAS #: 877-09-8			
2.138	2.139	-0.001	7117324	100.000	93.2	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.077	6.077	0.000	3088575	100.000	97.9	80.00-	120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2			
3.024	3.024	0.000	3954517	1000.00	916	80.00-	120.00	100.00
3.120	3.120	0.000	2250715	1000.00	946	37.33-	77.33	56.92
3.256	3.256	0.000	1069004	1000.00	912	7.19-	47.19	27.03
3.272	3.272	0.000	1382314	1000.00	954	15.06-	55.06	34.96
3.415	3.415	0.000	2390487	1000.00	940	40.70-	80.70	60.45
Average of Peak Amounts =					934			

7 Aroclor-1260					CAS #: 11096-82-5			
4.475	4.475	0.000	4812521	1000.00	964	80.00-	120.00	100.00
4.667	4.668	-0.001	5273999	1000.00	972	89.58-	129.58	109.59
4.747	4.747	0.000	2390349	1000.00	966	29.38-	69.38	49.67
4.917	4.917	0.000	2623397	1000.00	972	33.95-	73.95	54.51
5.131	5.132	-0.001	4979575	1000.00	988	82.22-	122.22	103.47
Average of Peak Amounts =					973			

Data File: /chem/ecdb8a.i/012108.b/011f1101.d

Date: 21-JAN-2008 12:16

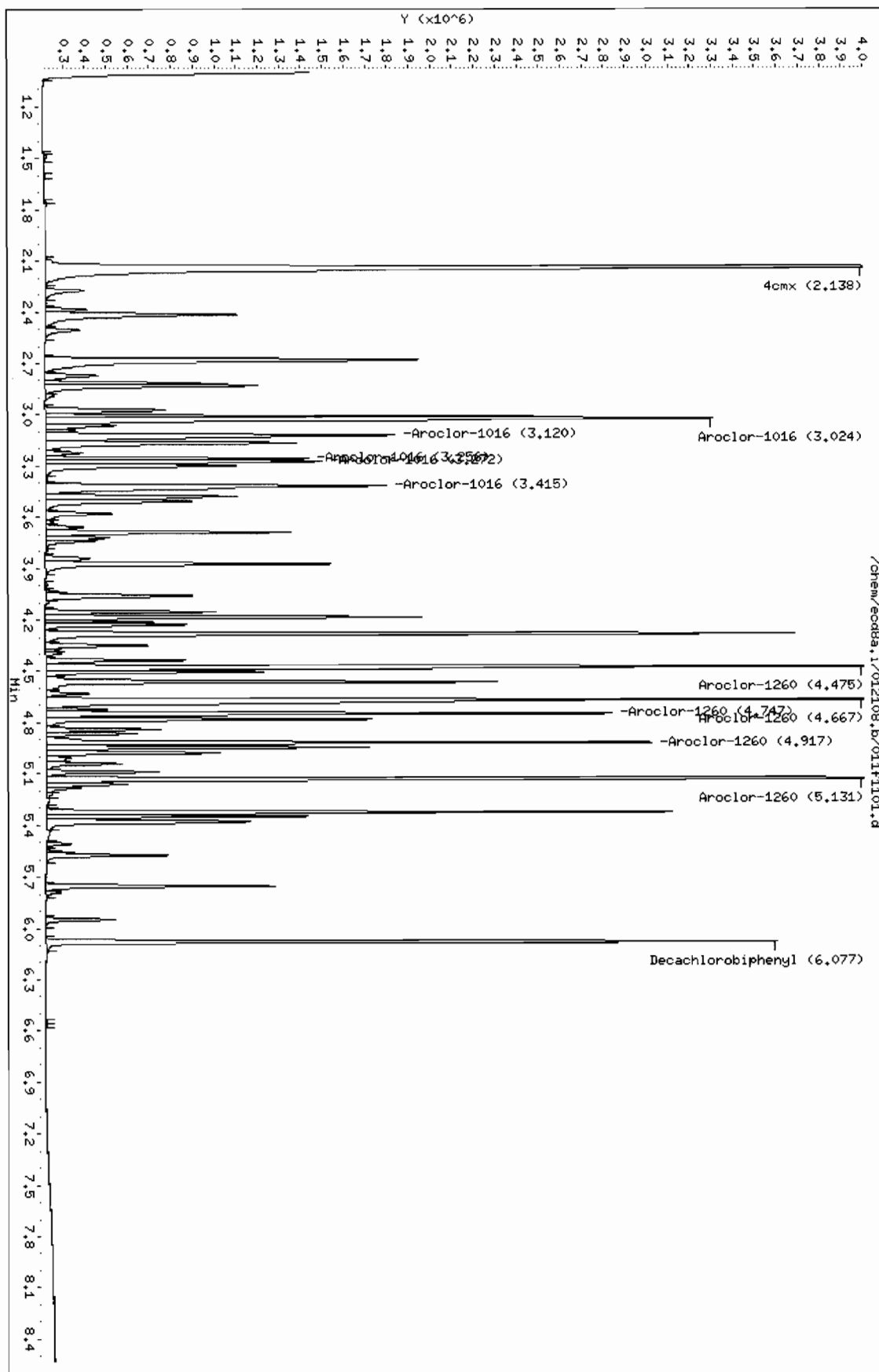
Client ID: AR166004

Sample Info: IMR080121-04 60

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Column Phase: CLP1

Operator: JAO
Column diameter: 0.25



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL
 Data file : /chem/ecd8a.i/012108.b/011b1101.d
 Lab Smp Id: WAR080121-04 60 Client Smp ID: AR166004
 Inj Date : 21-JAN-2008 12:16
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |WAR080121-04 60
 Misc Info : |INSTBLNK|SOLV||IB|
 Comment :
 Method : /chem/ecd8a.i/012108.b/ECD8-B-8082-121207.m
 Meth Date : 21-Jan-2008 13:48 jen01212 Quant Type: ESTD
 Cal Date : 14-DEC-2007 06:43 Cal File: 032b3201.d
 Als bottle: 11 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1660.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.350	2.350	0.000	5251025	100.000	98.0	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.661	6.661	0.000	2236503	100.000	97.9	80.00- 120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2		
3.510	3.510	0.000	1613076	1000.00	944	80.00- 120.00	100.00
3.587	3.587	0.000	964692	1000.00	950	39.60- 79.60	59.80
3.658	3.658	0.000	998248	1000.00	926	41.99- 81.99	61.88
3.690	3.690	0.000	1026062	1000.00	926	44.41- 84.41	63.61
3.854	3.855	-0.001	1319750	1000.00	943	62.05- 102.05	81.82
Average of Peak Amounts =					938		

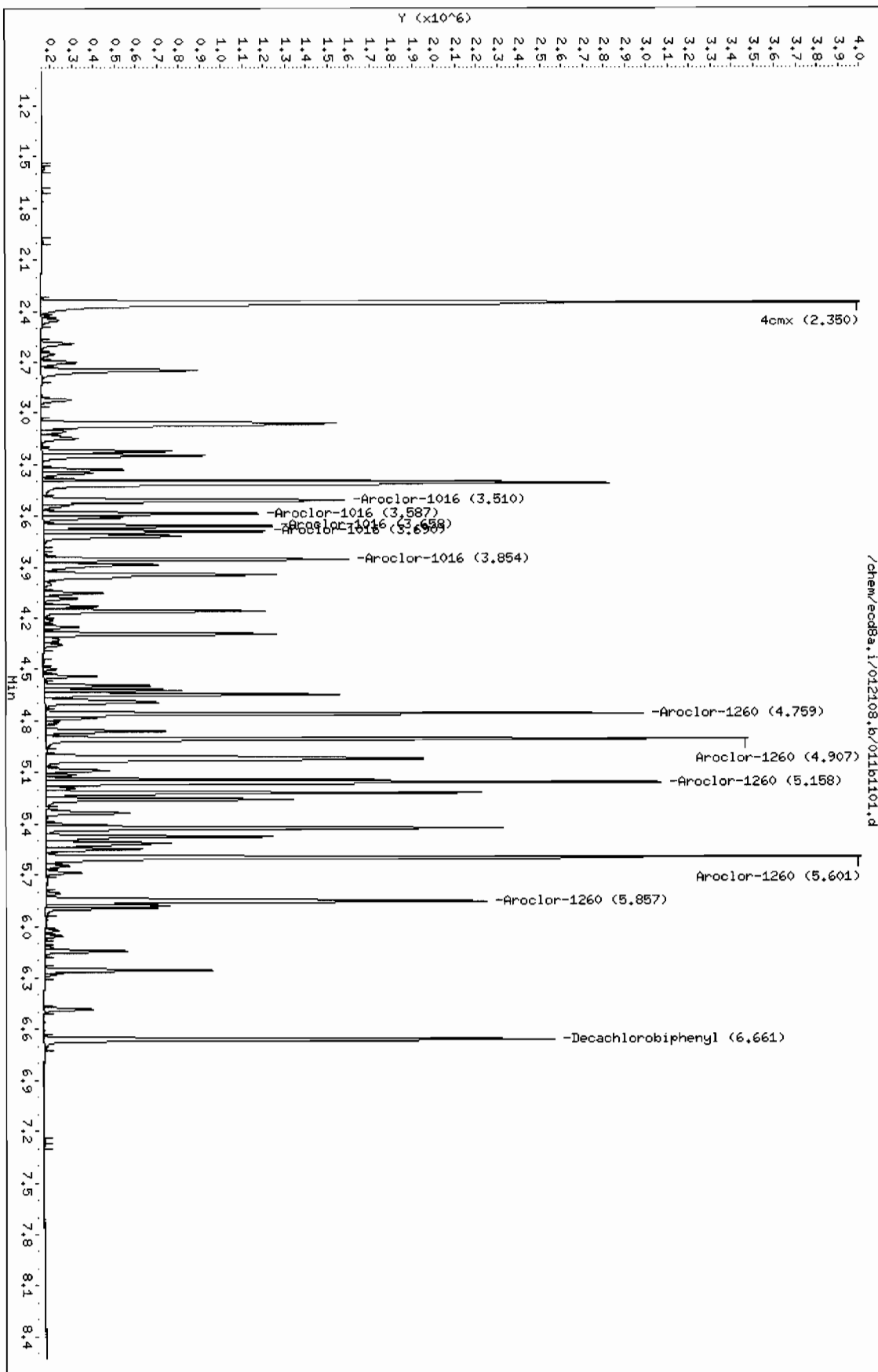
7 Aroclor-1260					CAS #: 11096-82-5		
4.759	4.760	-0.001	2433310	1000.00	956	80.00- 120.00	100.00
4.907	4.907	0.000	2927106	1000.00	963	100.36- 140.36	120.29
5.158	5.159	-0.001	2884089	1000.00	995	95.09- 135.09	118.53
5.601	5.602	-0.001	3878208	1000.00	995	135.67- 175.67	159.38
5.857	5.858	-0.001	2586448	1000.00	983	82.98- 122.98	106.29
Average of Peak Amounts =					979		

Data File: /chem/ecd8a.i/012108.b/01b101.d
Date : 21-JAN-2008 12:16
Client ID: AR166004
Sample Info: 14AR080121-04 60

Column phase: CLP2

Instrument: ecd8a.i
Operator: JROC
Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012108.b/012f1201.d

Lab Smp Id: IAR071130-01 60

Client Smp ID: AR166005

Inj Date : 21-JAN-2008 12:29

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : IAR071130-01 60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012108.b/ECD8-F-8082-121207.m

Meth Date : 21-Jan-2008 13:59 jen01212 Quant Type: ESTD

Cal Date : 26-DEC-2007 13:08

Cal File: 026f2601.d

Als bottle: 12

Calibration Sample, Level: 5

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx				CAS #: 877-09-8			
2.138	2.139	-0.001	24772279 400.000	324	80.00- 120.00	100.00	

\$ 12 Decachlorobiphenyl				CAS #: 2051-24-3			
6.077	6.077	0.000	10083893 400.000	320	80.00- 120.00	100.00	

1 Aroclor-1016				CAS #: 12674-11-2			
3.023	3.024	-0.001	19238039 4000.00	4460	80.00- 120.00	100.00	
3.119	3.120	-0.001	7816710 4000.00	3280	37.33- 77.33	40.63	
3.255	3.256	-0.001	3871950 4000.00	3300	7.19- 47.19	20.13	
3.272	3.272	0.000	4678453 4000.00	3230	15.06- 55.06	24.32	
3.415	3.415	0.000	8353883 4000.00	3290	40.70- 80.70	43.42	
Average of Peak Amounts =				3.51e+03			

7 Aroclor-1260				CAS #: 11096-82-5			
4.474	4.475	-0.001	16007003 4000.00	3210	80.00- 120.00	100.00	
4.668	4.668	0.000	17901138 4000.00	3300	89.58- 129.58	111.83	
4.748	4.747	0.001	8057645 4000.00	3260	29.38- 69.38	50.34	
4.916	4.917	-0.001	8901753 4000.00	3300	33.95- 73.95	55.61	
5.131	5.132	-0.001	16554435 4000.00	3280	82.22- 122.22	103.42	
Average of Peak Amounts =				3.27e+03			

Data File: /chem/ecod8a.i/012108.b/012f1201.d

Date : 21-JAN-2008 12:29

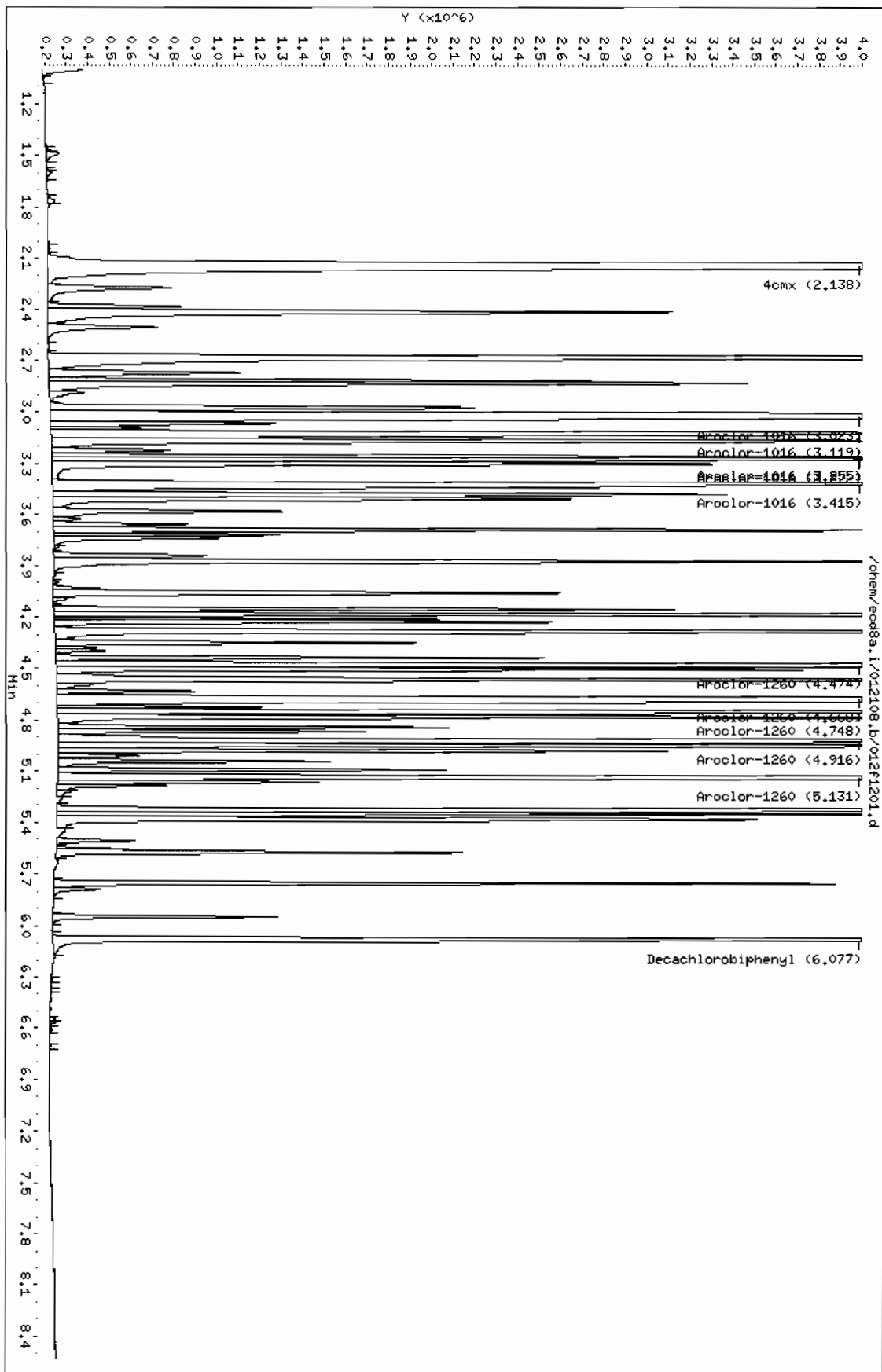
Client ID: AR16005

Sample Info: 11AR071130-01.60

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Column phase: CLP1

Operator: JAC
Column diameter: 0.25



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012108.b/012b1201.d
 Lab Smp Id: IAR071130-01 60 Client Smp ID: AR166005
 Inj Date : 21-JAN-2008 12:29
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |IAR071130-01 60
 Misc Info :
 Comment :
 Method : /chem/ecd8a.i/012108.b/ECD8-B-8082-121207.m
 Meth Date : 21-Jan-2008 13:48 jen01212 Quant Type: ESTD
 Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d
 Als bottle: 12 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1660.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.349	2.350	-0.001	19111949	400.000	357	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.660	6.661	-0.001	7580140	400.000	332	80.00-	120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2			
3.509	3.510	-0.001	5635344	4000.00	3300	80.00-	120.00	100.00
3.586	3.587	-0.001	3559345	4000.00	3500	39.60-	79.60	63.16
3.658	3.658	0.000	3499485	4000.00	3250	41.99-	81.99	62.10
3.689	3.690	-0.001	3627126	4000.00	3270	44.41-	84.41	64.36
3.854	3.855	-0.001	4647569	4000.00	3320	62.05-	102.05	82.47
Average of Peak Amounts =					3.33e+03			

7 Aroclor-1260					CAS #: 11096-82-5			
4.760	4.760	0.000	8414446	4000.00	3310	80.00-	120.00	100.00
4.906	4.907	-0.001	10056513	4000.00	3310	100.36-	140.36	119.51
5.158	5.159	-0.001	9943034	4000.00	3430	95.09-	135.09	118.17
5.601	5.602	-0.001	13325217	4000.00	3420	135.67-	175.67	158.36
5.858	5.858	0.000	9194894	4000.00	3500	82.98-	122.98	109.28
Average of Peak Amounts =					3.39e+03			

Data File: /chem/ecob8a.i/012108.b/012b1201.d

Date : 21-JAN-2008 12:29

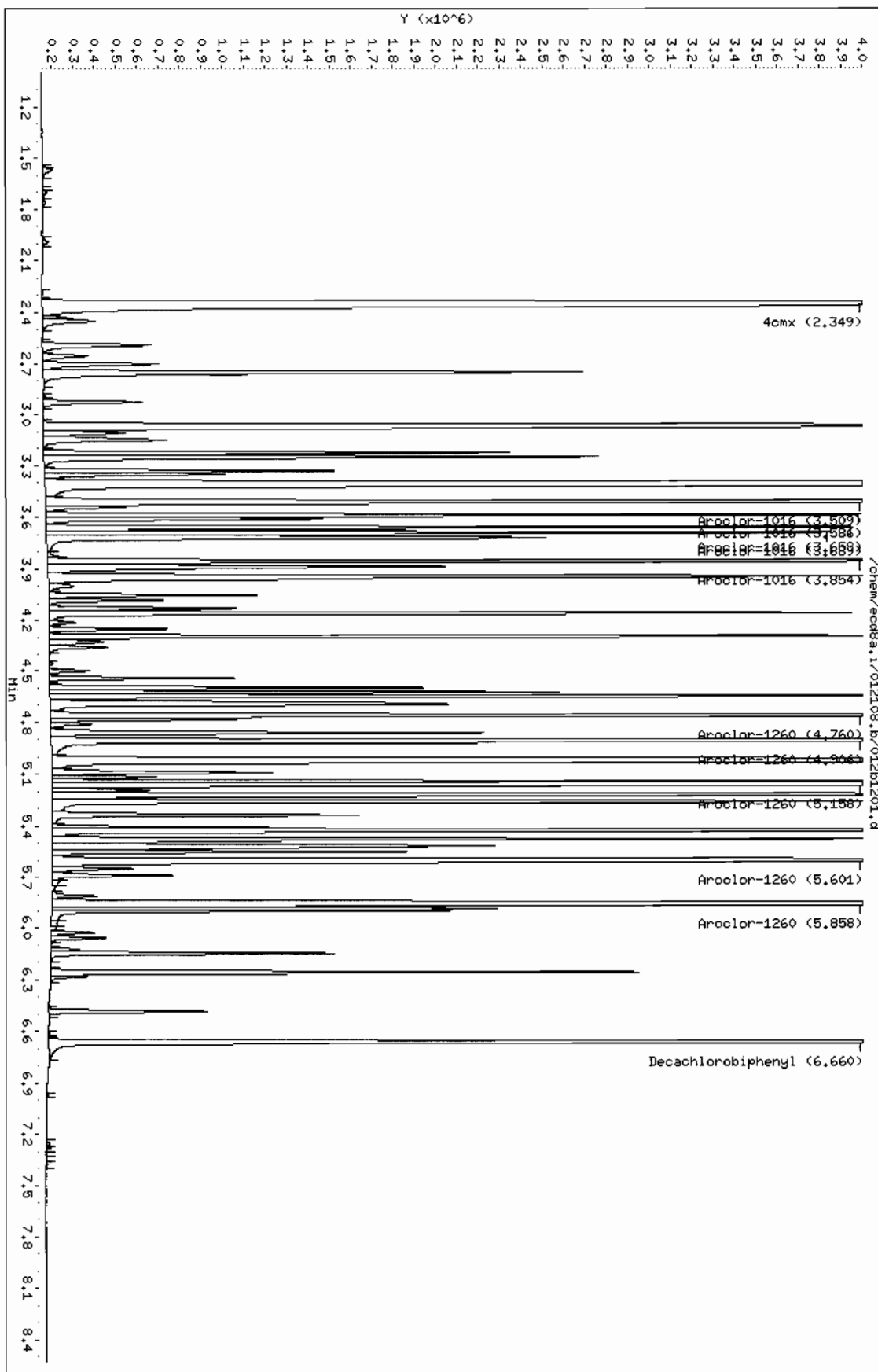
Client ID: AR166005

Sample Info: 11AK071130-01 60

Page 1

Column phase: CLP2

Operator: JACD
Column diameter: 0.25



GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/006f0601.d
 Lab Smp Id: WAR080123-01 60 Client Smp ID: AR166001
 Inj Date : 23-JAN-2008 09:39
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |WAR080123-01 60
 Misc Info :
 Comment :
 Method : /chem/ecd8a.i/012308.b/ECD8-F-8082-121207.m
 Meth Date : 24-Jan-2008 08:01 jen01212 Quant Type: ESTD
 Cal Date : 26-DEC-2007 12:19 Cal File: 022f2201.d
 Als bottle: 6 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1660.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.135	2.136	-0.001	754614	10.0000	10.3	80.00- 120.00	100.00	

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.076	6.075	0.001	560689	10.0000	15.8	80.00- 120.00	100.00	

1 Aroclor-1016					CAS #: 12674-11-2			
3.021	3.020	0.001	357199	100.000	85.7	80.00- 120.00	100.00	
3.116	3.116	0.000	244783	100.000	106	44.93- 84.93	68.53	
3.252	3.253	-0.001	131201	100.000	114	13.04- 53.04	36.73	
3.268	3.269	-0.001	137959	100.000	99.0	16.97- 56.97	38.62	
3.412	3.412	0.000	181454	100.000	78.4	27.30- 67.30	50.80	
Average of Peak Amounts =					96.5			

7 Aroclor-1260					CAS #: 11096-82-5			
4.473	4.473	0.000	492796	100.000	102	80.00- 120.00	100.00	
4.666	4.665	0.001	560841	100.000	105	94.71- 134.71	113.81	
4.746	4.746	0.000	255101	100.000	105	31.39- 71.39	51.77	
4.916	4.915	0.001	281713	100.000	106	38.25- 78.25	57.17	
5.130	5.129	0.001	581546	100.000	114	101.59- 141.59	118.01	
Average of Peak Amounts =					107			

Data File: /chem/ecd8a.i/012308.b/006f0601.d

Date: 23-JAN-2008 09:39

Client ID: AR166001

Sample Info: IHR080123-01 60

Column phase: CLP1

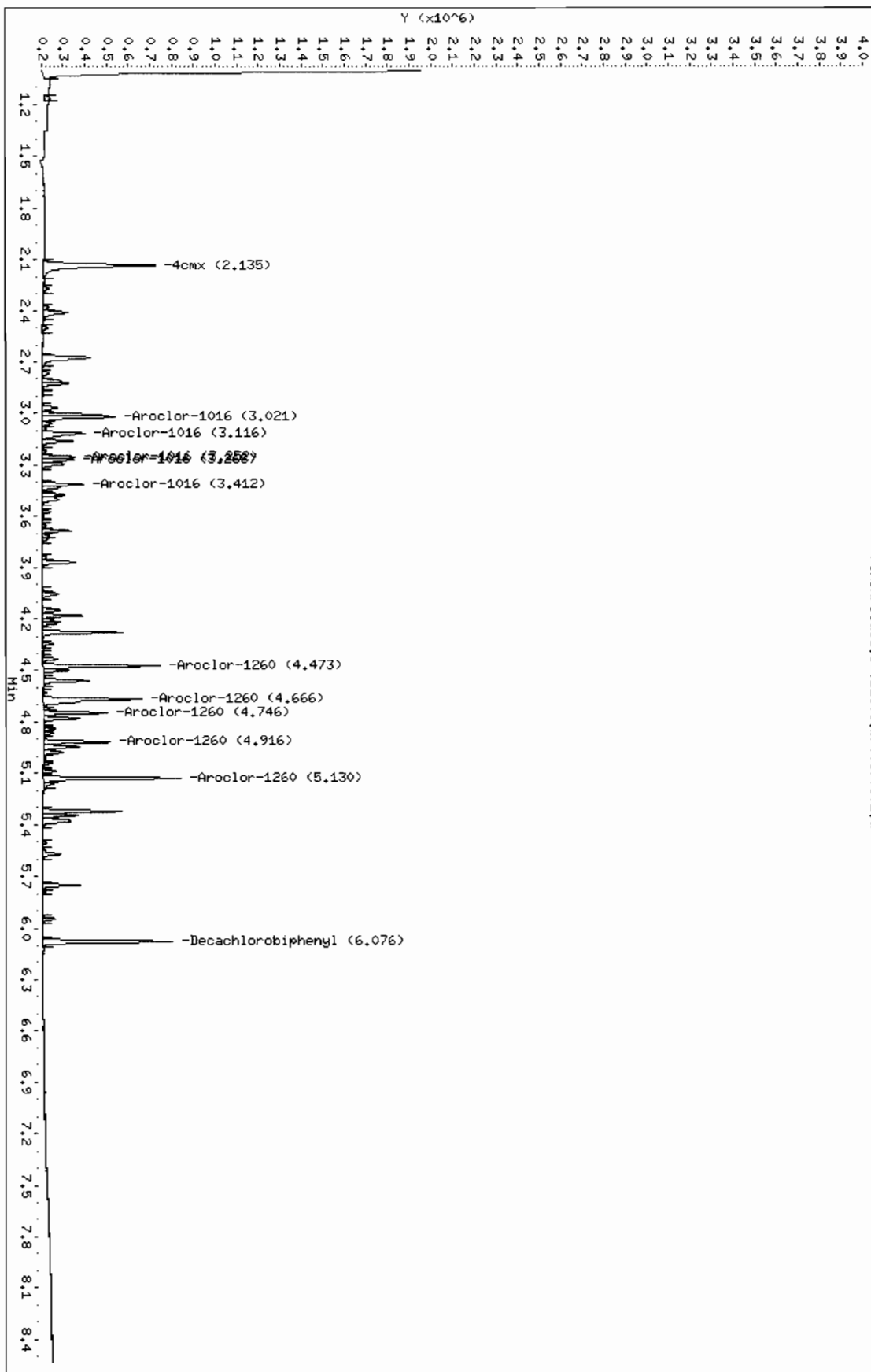
Page 1

Instrument: ecd8a.i

Operator: JADC

Column diameter: 0.25

/chem/ecd8a.i/012308.b/006f0601.d



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/006b0601.d
 Lab Smp Id: WAR080123-01 60 Client Smp ID: AR166001
 Inj Date : 23-JAN-2008 09:39
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |WAR080123-01 60
 Misc Info :
 Comment :
 Method : /chem/ecd8a.i/012308.b/ECD8-B-8082-121207.m
 Meth Date : 24-Jan-2008 08:00 jen01212 Quant Type: ESTD
 Cal Date : 26-DEC-2007 12:19 Cal File: 022b2201.d
 Als bottle: 6 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1660.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	RESPONSE (ug/L)	(ug/L)			
				CAS #:			
\$ 11 4cmx				877-09-8			
2.347	2.347	0.000	555857 10.0000	10.4	80.00- 120.00	100.00	

				CAS #:			
\$ 12 Decachlorobiphenyl				2051-24-3			
6.661	6.660	0.001	446422 10.0000	16.8	80.00- 120.00	100.00	

				CAS #:			
1 Aroclor-1016				12674-11-2			
3.507	3.507	0.000	190054 100.000	112	80.00- 120.00	100.00	
3.584	3.584	0.000	109357 100.000	109	40.09- 80.09	57.54	
3.656	3.656	0.000	120844 100.000	114	41.25- 81.25	63.58	
3.687	3.687	0.000	124139 100.000	114	42.87- 82.87	65.32	
3.852	3.852	0.000	152843 100.000	111	59.33- 99.33	80.42	
Average of Peak Amounts =				112			

				CAS #:			
7 Aroclor-1260				11096-82-5			
4.758	4.758	0.000	275749 100.000	110	80.00- 120.00	100.00	
4.906	4.905	0.001	329035 100.000	109	102.72- 142.72	119.32	
5.158	5.158	0.000	331547 100.000	113	103.68- 143.68	120.23	
5.601	5.600	0.001	491544 100.000	122	172.33- 212.33	178.26	
5.857	5.858	-0.001	363022 100.000	130	118.76- 158.76	131.65	
Average of Peak Amounts =				117			

Data File: /chem/eod8a.i/012308.b/0060601.d

Date: 23-JAN-2008 09:39

Client ID: AR166001

Sample Info: 1MAR080123-01 60

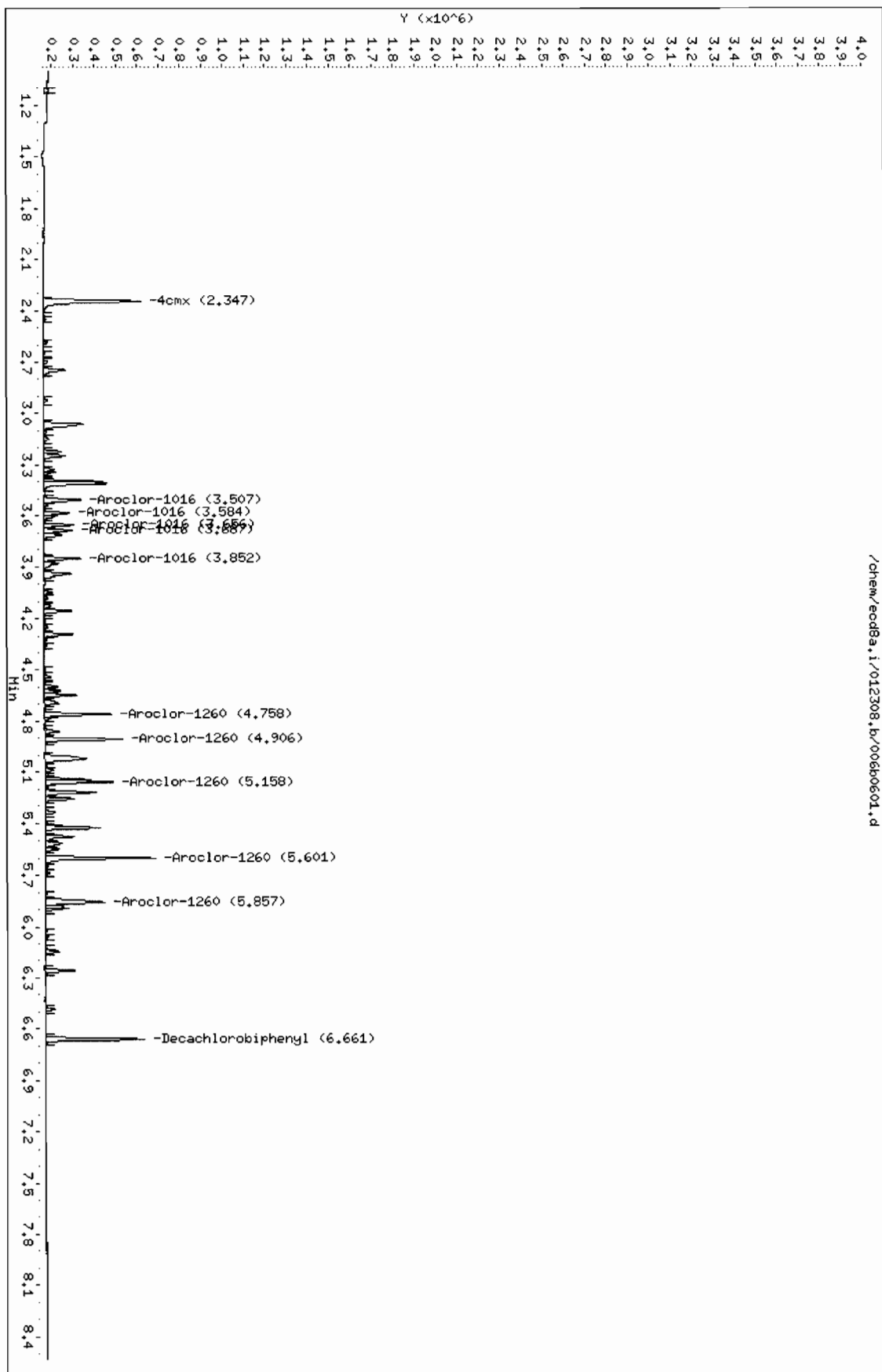
Column phase: CLP2

Instrument: eod8a.i

Operator: JHDC

Column diameter: 0.25

Page 1



GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/007f0701.d

Lab Smp Id: WAR080123-02 60 Client Smp ID: AR166002

Inj Date : 23-JAN-2008 09:52

Operator : JAOC Inst ID: ecd8a.i

Smp Info : |WAR080123-02 60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012308.b/ECD8-F-8082-121207.m

Meth Date : 24-Jan-2008 08:01 jen01212 Quant Type: ESTD

Cal Date : 26-DEC-2007 12:31 Cal File: 023f2301.d

Als bottle: 7 Calibration Sample, Level: 2

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: AR1660.sub

Target Version: 3.50 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====
			RESPONSE (ug/L)	(ug/L)		
\$ 11 4cmx					CAS #: 877-09-8	
2.135	2.136	-0.001	1740840 25.0000	24.6	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3	
6.075	6.075	0.000	1280485 25.0000	32.8	80.00- 120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2	
3.020	3.020	0.000	839611 250.000	212	80.00- 120.00	100.00
3.115	3.116	-0.001	556135 250.000	247	44.93- 84.93	66.24
3.252	3.253	-0.001	291677 250.000	258	13.04- 53.04	34.74
3.269	3.269	0.000	318422 250.000	239	16.97- 56.97	37.92
3.411	3.412	-0.001	408660 250.000	196	27.30- 67.30	48.67
Average of Peak Amounts =				231		

7 Aroclor-1260					CAS #: 11096-82-5	
4.473	4.473	0.000	1144816 250.000	245	80.00- 120.00	100.00
4.665	4.665	0.000	1302431 250.000	250	94.71- 134.71	113.77
4.745	4.746	-0.001	595512 250.000	252	31.39- 71.39	52.02
4.915	4.915	0.000	668270 250.000	256	38.25- 78.25	58.37
5.130	5.129	0.001	1370641 250.000	268	101.59- 141.59	119.73
Average of Peak Amounts =				254		

Data File: /chem/ecd8a.i/012308.b/007f0701.d

Date: 23-JAN-2008 09:52

Client ID: AR166002

Sample Info: IMA080123-02 60

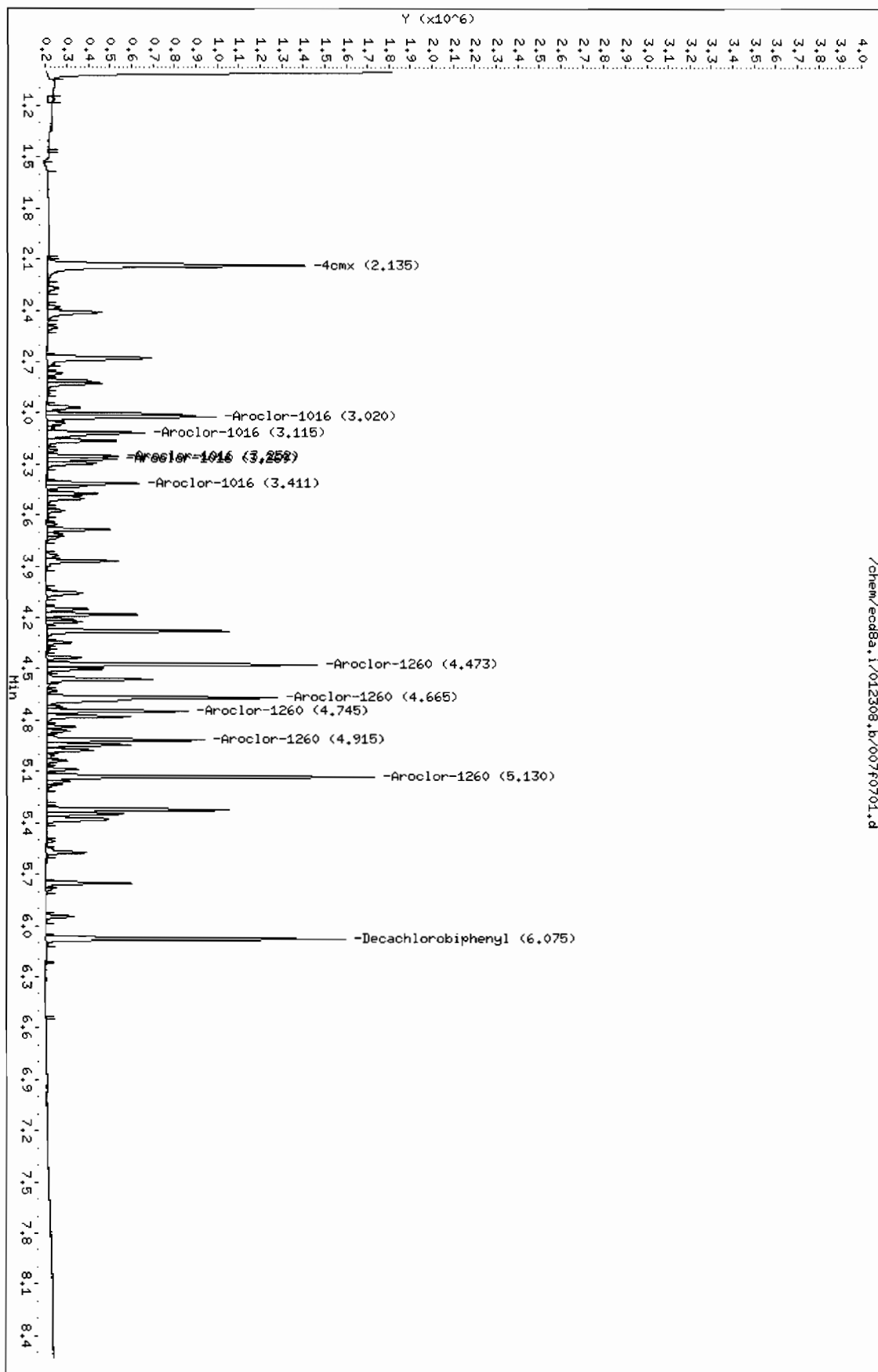
Column phase: CLP1

Instrument: ecd8a.i

Operator: JHOC

Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL
 Data file : /chem/ecd8a.i/012308.b/007b0701.d
 Lab Smp Id: WAR080123-02 60 Client Smp ID: AR166002
 Inj Date : 23-JAN-2008 09:52
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |WAR080123-02 60
 Misc Info :
 Comment :
 Method : /chem/ecd8a.i/012308.b/ECD8-B-8082-121207.m
 Meth Date : 24-Jan-2008 08:00 jen01212 Quant Type: ESTD
 Cal Date : 26-DEC-2007 12:31 Cal File: 023b2301.d
 Als bottle: 7 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1660.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.346	2.347	-0.001	1333695	25.0000	25.3	80.00-	120.00	100.00

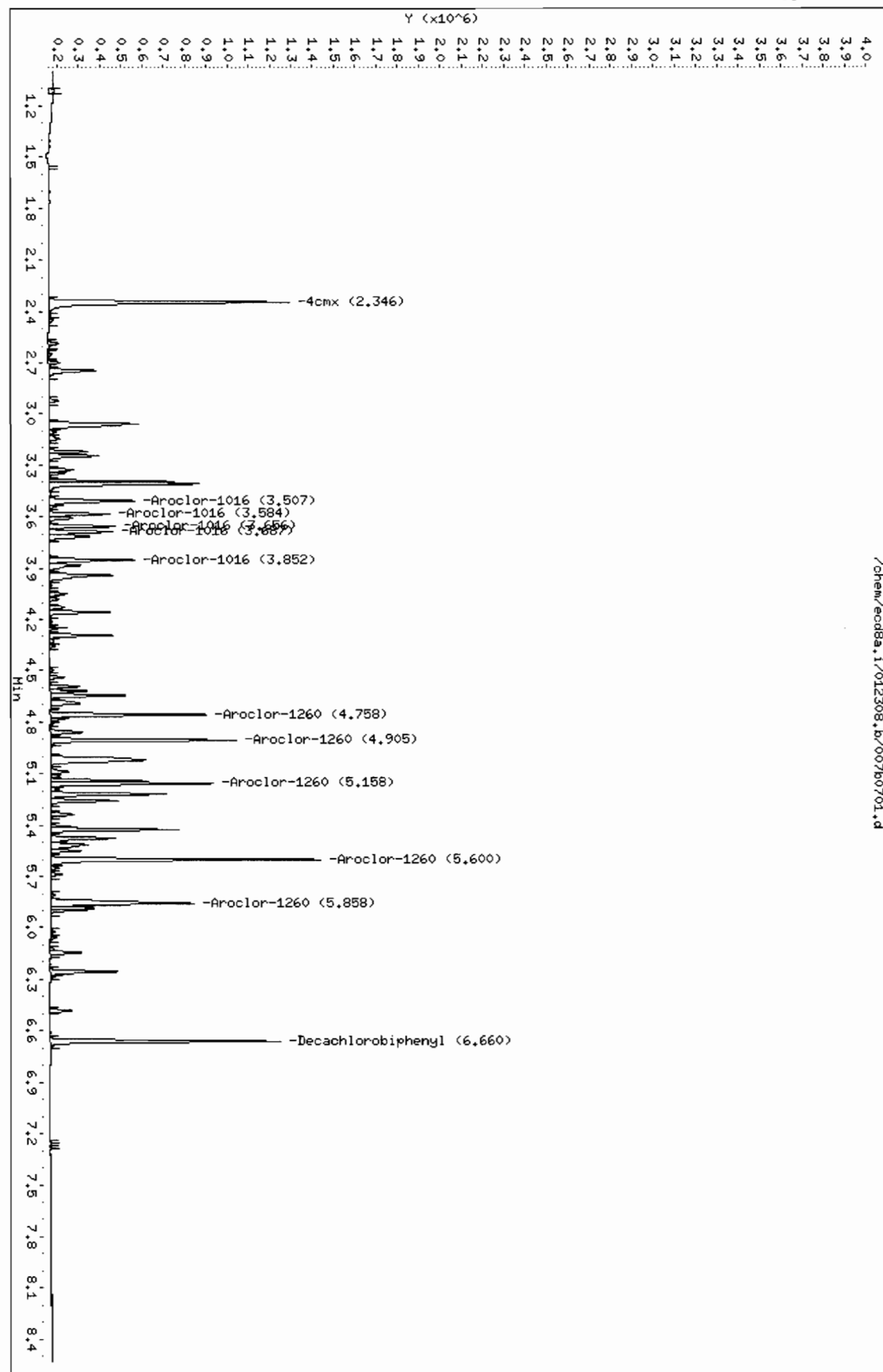
\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.660	6.660	0.000	1020124	25.0000	34.1	80.00-	120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2			
3.507	3.507	0.000	429526	250.000	258	80.00-	120.00	100.00
3.584	3.584	0.000	249514	250.000	252	40.09-	80.09	58.09
3.656	3.656	0.000	268737	250.000	257	41.25-	81.25	62.57
3.687	3.687	0.000	276551	250.000	257	42.87-	82.87	64.39
3.852	3.852	0.000	344903	250.000	254	59.33-	99.33	80.30
Average of Peak Amounts =					256			

7 Aroclor-1260					CAS #: 11096-82-5			
4.758	4.758	0.000	626310	250.000	254	80.00-	120.00	100.00
4.905	4.905	0.000	757824	250.000	256	102.72-	142.72	121.00
5.158	5.158	0.000	743070	250.000	254	103.68-	143.68	118.64
5.600	5.600	0.000	1162332	250.000	280	172.33-	212.33	185.58
5.858	5.858	0.000	837010	250.000	289	118.76-	158.76	133.64
Average of Peak Amounts =					267			

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Data File: /chem/ecod8a.i/012308.b/007b0701.d
Date: 23-JAN-2008 09:52
Client ID: AR166002
Sample Info: IMAR080123-02 60
Column Phase: CLP2

Instrument: ecod8a.i
Operator: JMO
Column diameter: 0.25

GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/008f0801.d

Lab Smp Id: WAR080123-03 60

Client Smp ID: AR166003

Inj Date : 23-JAN-2008 10:04

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |WAR080123-03 60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012308.b/ECD8-F-8082-121207.m

Meth Date : 24-Jan-2008 08:01 jen01212

Quant Type: ESTD

Cal Date : 26-DEC-2007 12:44

Cal File: 024f2401.d

Als bottle: 8

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RT	RESPONSE (ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====		=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.135	2.136	-0.001	3310911	50.0000	48.1	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.075	6.075	0.000	2409114	50.0000	56.9	80.00-	120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2			
3.020	3.020	0.000	1551221	500.000	413	80.00-	120.00	100.00
3.115	3.116	-0.001	1039280	500.000	474	44.93-	84.93	67.00
3.252	3.253	-0.001	540152	500.000	483	13.04-	53.04	34.82
3.269	3.269	0.000	582795	500.000	457	16.97-	56.97	37.57
3.411	3.412	-0.001	762122	500.000	403	27.30-	67.30	49.13
Average of Peak Amounts =					446			

7 Aroclor-1260					CAS #: 11096-82-5			
4.473	4.473	0.000	2195254	500.000	483	80.00-	120.00	100.00
4.665	4.665	0.000	2488888	500.000	487	94.71-	134.71	113.38
4.745	4.746	-0.001	1120869	500.000	484	31.39-	71.39	51.06
4.915	4.915	0.000	1265048	500.000	492	38.25-	78.25	57.63
5.129	5.129	0.000	2622670	500.000	511	101.59-	141.59	119.47
Average of Peak Amounts =					491			

Data File: /chem/ecd8a.i/012308.b/008f0801.d

Date: 23-JAN-2008 10:04

Client ID: RRL6603

Sample Info: ILMR080123-03 60

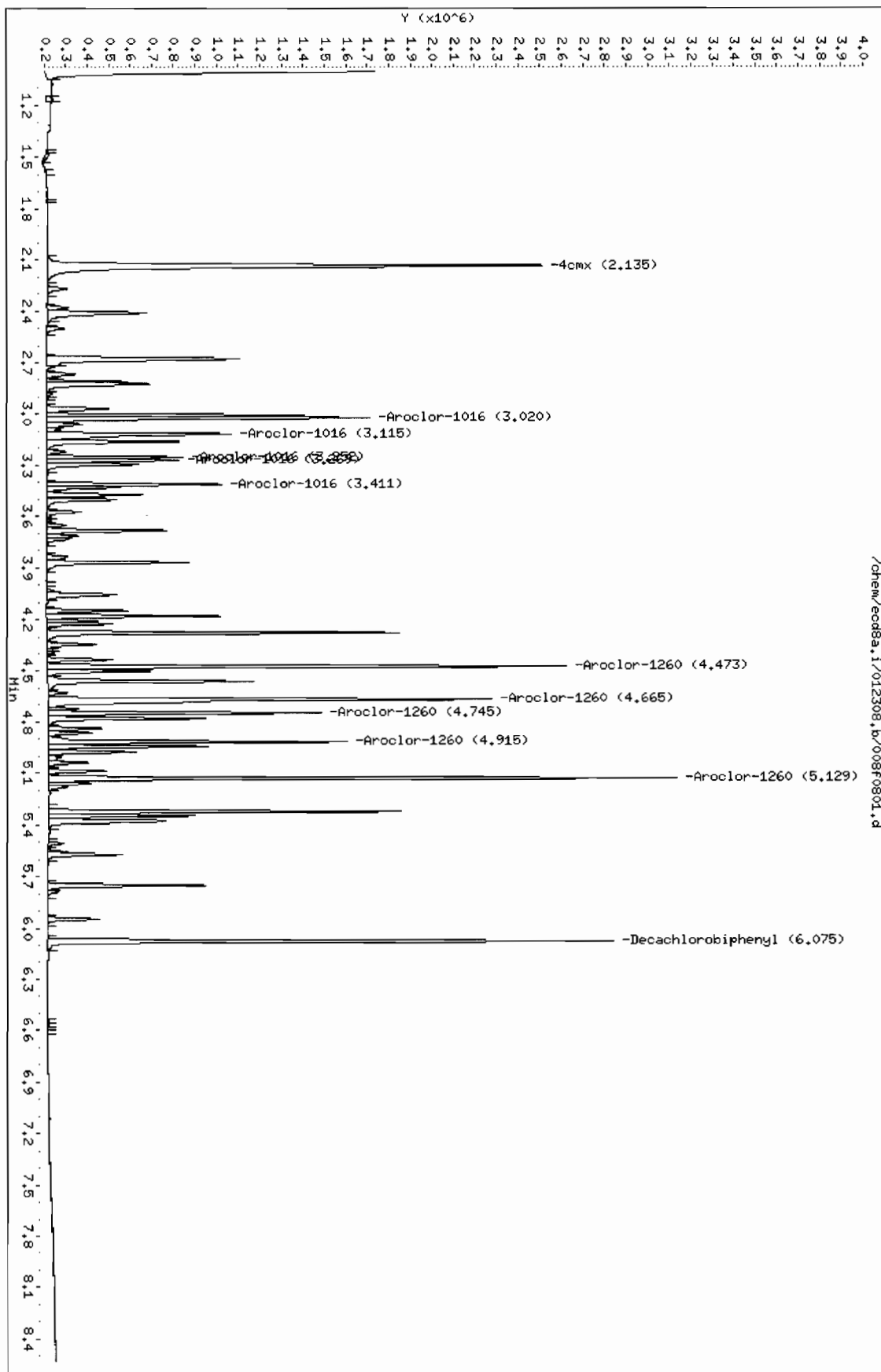
Page 1

Instrument: ecd8a.i

Operator: JAOC

Column diameter: 0.25

Column phase: CLP1



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/008b0801.d

Lab Smp Id: WAR080123-03 60

Client Smp ID: AR166003

Inj Date : 23-JAN-2008 10:04

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |WAR080123-03 60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012308.b/ECD8-B-8082-121207.m

Meth Date : 24-Jan-2008 08:00 jen01212 Quant Type: ESTD

Cal Date : 26-DEC-2007 12:44

Cal File: 024b2401.d

Als bottle: 8

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.346	2.347	-0.001	2617752	50.0000	50.0	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.660	6.660	0.000	1946064	50.0000	58.7	80.00-	120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2			
3.507	3.507	0.000	803973	500.000	487	80.00-	120.00	100.00
3.584	3.584	0.000	475907	500.000	486	40.09-	80.09	59.19
3.656	3.656	0.000	496728	500.000	482	41.25-	81.25	61.78
3.687	3.687	0.000	515817	500.000	486	42.87-	82.87	64.16
3.852	3.852	0.000	650629	500.000	486	59.33-	99.33	80.93
Average of Peak Amounts =					485			

7 Aroclor-1260					CAS #: 11096-82-5			
4.758	4.758	0.000	1193942	500.000	490	80.00-	120.00	100.00
4.905	4.905	0.000	1454076	500.000	496	102.72-	142.72	121.79
5.158	5.158	0.000	1441456	500.000	496	103.68-	143.68	120.73
5.600	5.600	0.000	2244031	500.000	528	172.33-	212.33	187.95
5.858	5.858	0.000	1608666	500.000	533	118.76-	158.76	134.74
Average of Peak Amounts =					508			

Data File: /chem/ecdb8a.i/012308.b/008b0801.d

Date: 23-JAN-2008 10:04

Client ID: AR16003

Sample Info: IAR080123-03 60

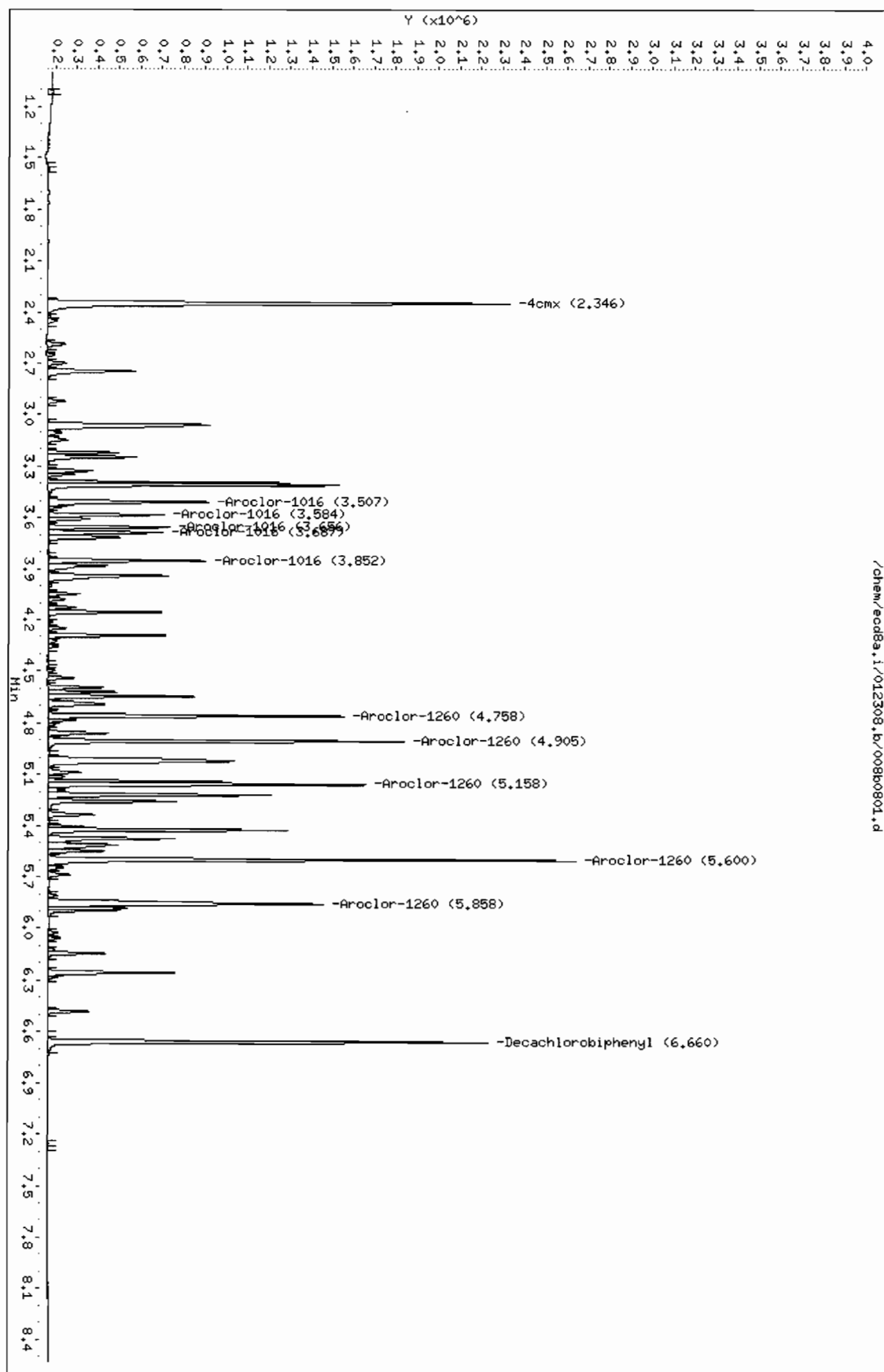
Column phase: CLP2

Instrument: ecdb8a.i

Operator: JROC

Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/009f0901.d

Lab Smp Id: WAR080123-04 60

Client Smp ID: AR166004

Inj Date : 23-JAN-2008 10:16

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |WAR080123-04 60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012308.b/ECD8-F-8082-121207.m

Meth Date : 24-Jan-2008 08:01 jen01212

Quant Type: ESTD

Cal Date : 14-DEC-2007 06:19

Cal File: 030f3001.d

Als bottle: 9

Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
---	-----	-----	-----	-----	-----	-----	-----	-----
\$ 11 4cmx					CAS #: 877-09-8			
2.135	2.136	-0.001	6398709	100.000	94.9	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.075	6.075	0.000	4651102	100.000	102	80.00-	120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2			
3.020	3.020	0.000	3104873	1000.00	865	80.00-	120.00	100.00
3.115	3.116	-0.001	1983674	1000.00	928	44.93-	84.93	63.89
3.252	3.253	-0.001	1017684	1000.00	918	13.04-	53.04	32.78
3.269	3.269	0.000	1134141	1000.00	926	16.97-	56.97	36.53
3.411	3.412	-0.001	1481347	1000.00	867	27.30-	67.30	47.71
Average of Peak Amounts =					901			

7 Aroclor-1260					CAS #: 11096-82-5			
4.473	4.473	0.000	4222545	1000.00	954	80.00-	120.00	100.00
4.665	4.665	0.000	4834174	1000.00	963	94.71-	134.71	114.48
4.745	4.746	-0.001	2165555	1000.00	954	31.39-	71.39	51.29
4.914	4.915	-0.001	2449667	1000.00	965	38.25-	78.25	58.01
5.129	5.129	0.000	5094357	1000.00	988	101.59-	141.59	120.65
Average of Peak Amounts =					965			

Data File: /chem/ecd8a.i/012308.b/009f0901.d

Date : 23-JAN-2008 10:16

Client ID: AR16004

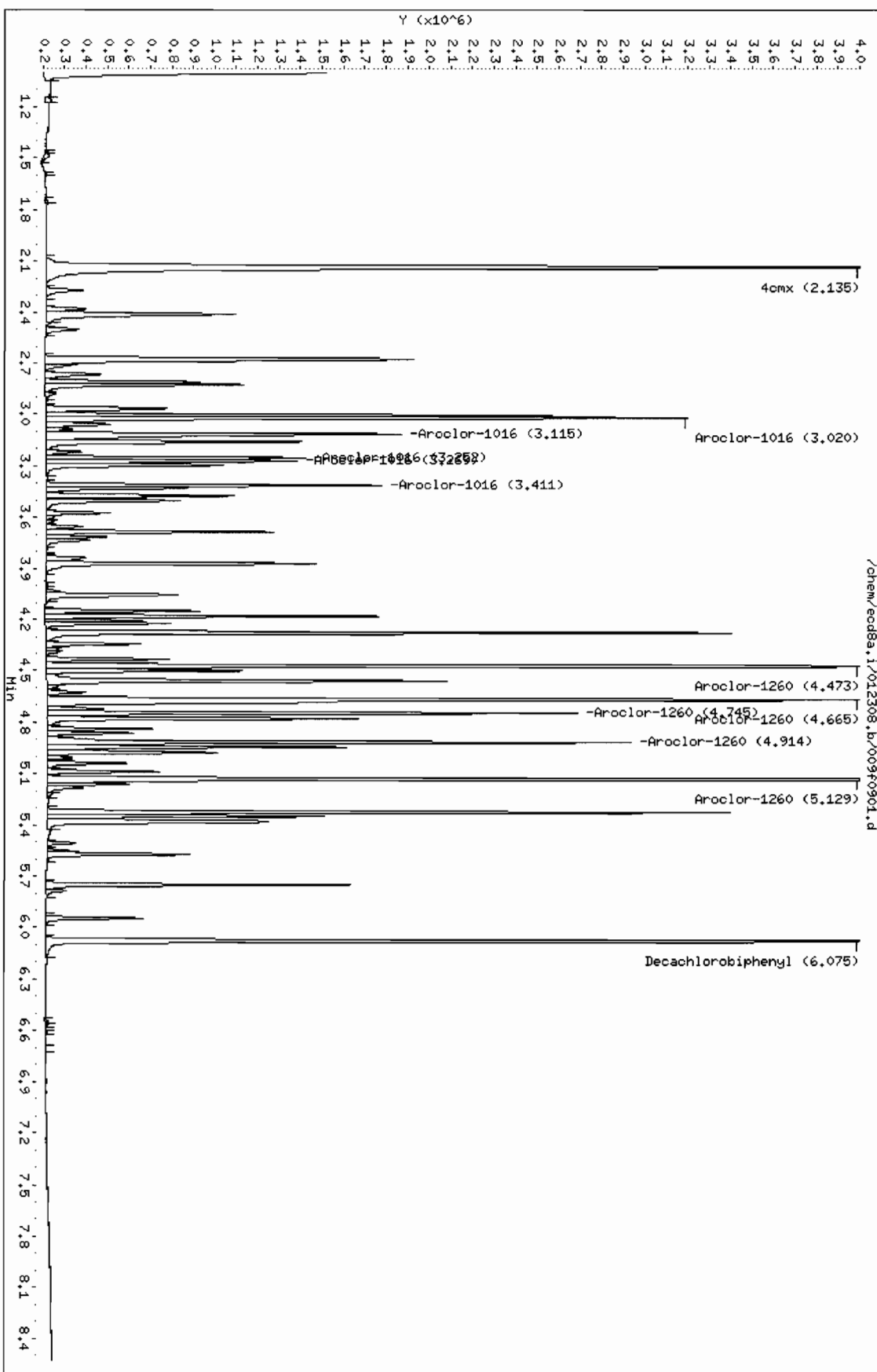
Sample Info: IMA080123-04 60

Column phase: CLP1

Instrument: ecd8a.i

Operator: JAC

Column diameter: 0.25



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/009b0901.d

Lab Smp Id: WAR080123-04 60

Client Smp ID: AR166004

Inj Date : 23-JAN-2008 10:16

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |WAR080123-04 60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012308.b/ECD8-B-8082-121207.m

Meth Date : 24-Jan-2008 08:00 jen01212 Quant Type: ESTD

Cal Date : 14-DEC-2007 06:43

Cal File: 032b3201.d

Als bottle: 9

Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

CAL-AMT ON-COL

RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8	
2.346	2.347	-0.001	5189021 100.000	100	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3	
6.660	6.660	0.000	3805708 100.000	97.7	80.00- 120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2	
3.507	3.507	0.000	1541743 1000.00	954	80.00- 120.00	100.00(M)
3.584	3.584	0.000	926654 1000.00	967	40.09- 80.09	60.10
3.656	3.656	0.000	943676 1000.00	939	41.25- 81.25	61.21
3.687	3.687	0.000	970892 1000.00	935	42.87- 82.87	62.97
3.852	3.852	0.000	1250534 1000.00	957	59.33- 99.33	81.11
Average of Peak Amounts =				950		

7 Aroclor-1260					CAS #: 11096-82-5	
4.759	4.758	0.001	2316086 1000.00	971	80.00- 120.00	100.00
4.905	4.905	0.000	2839114 1000.00	980	102.72- 142.72	122.58
5.158	5.158	0.000	2811621 1000.00	975	103.68- 143.68	121.40
5.600	5.600	0.000	4413058 1000.00	993	172.33- 212.33	190.54
5.857	5.858	-0.001	3169700 1000.00	981	118.76- 158.76	136.86
Average of Peak Amounts =				980		

QC Flag Legend

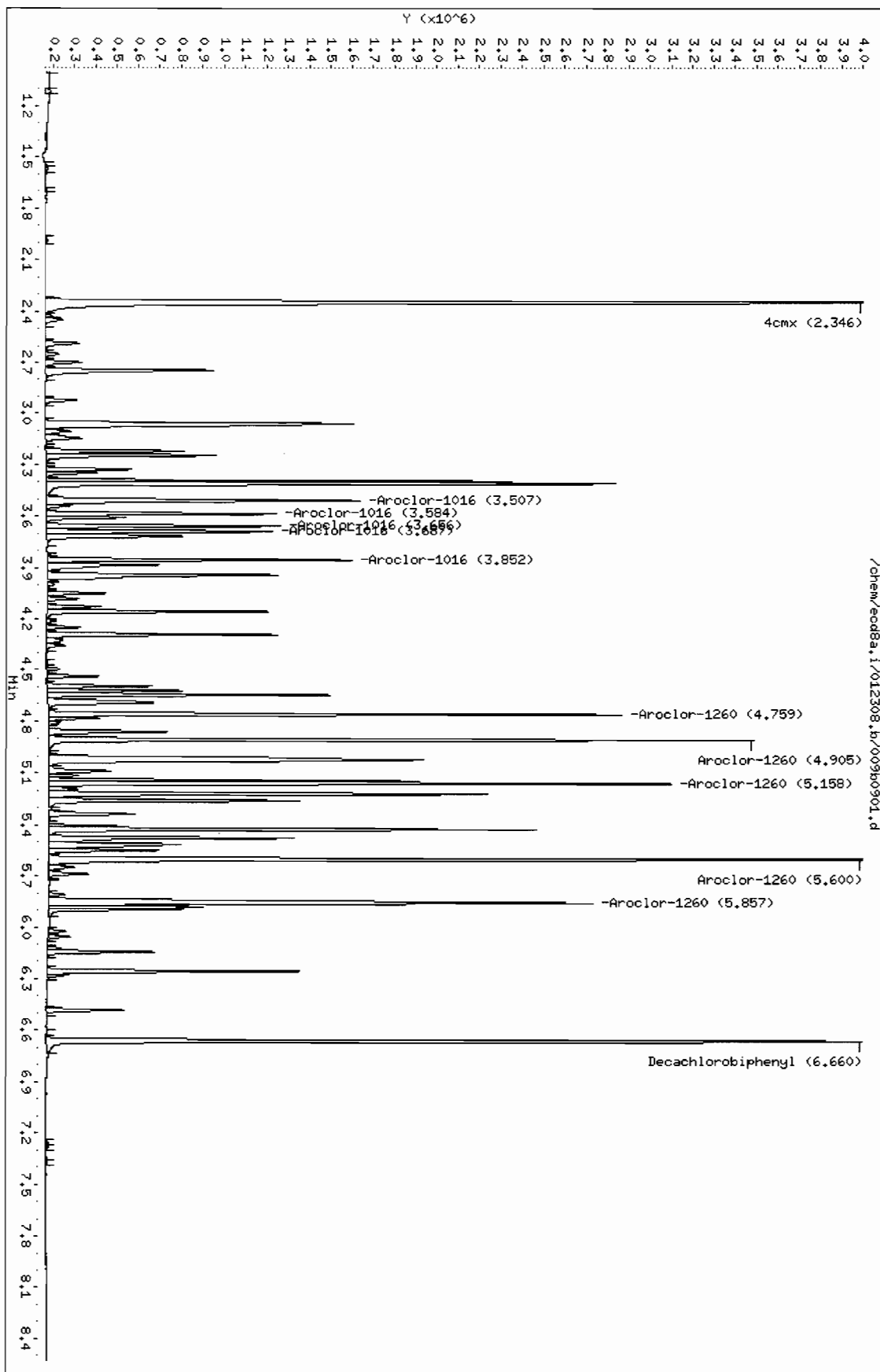
M - Compound response manually integrated.

Data File: /chem/ecod8a.i/012308.b/009b0901.d
Date : 23-JAN-2008 10:16
Client ID: AR166004
Sample Info: IMAK080123-04 60

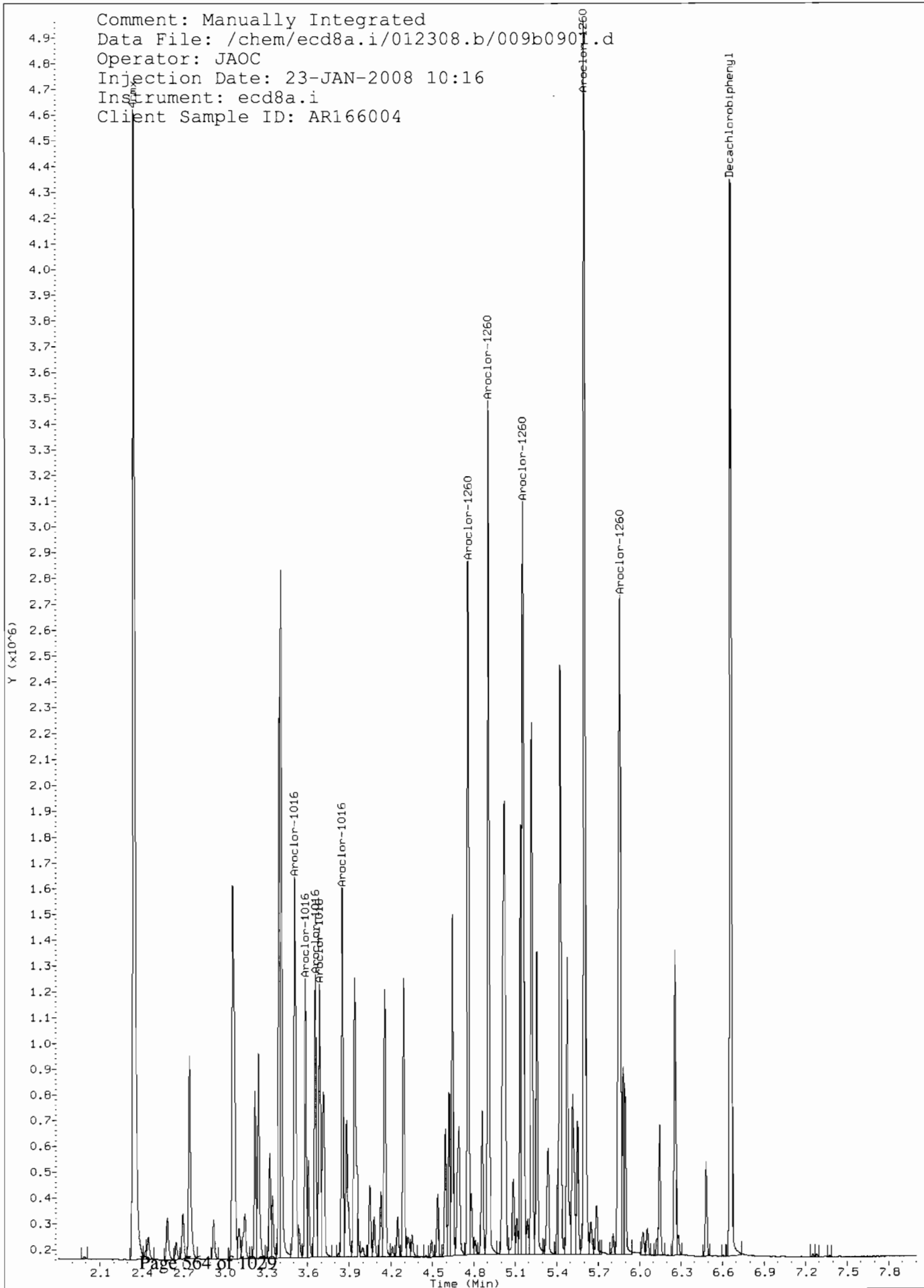
Column phase: CLP2

Instrument: ecod8a.i
Operator: JAO
Column diameter: 0.25

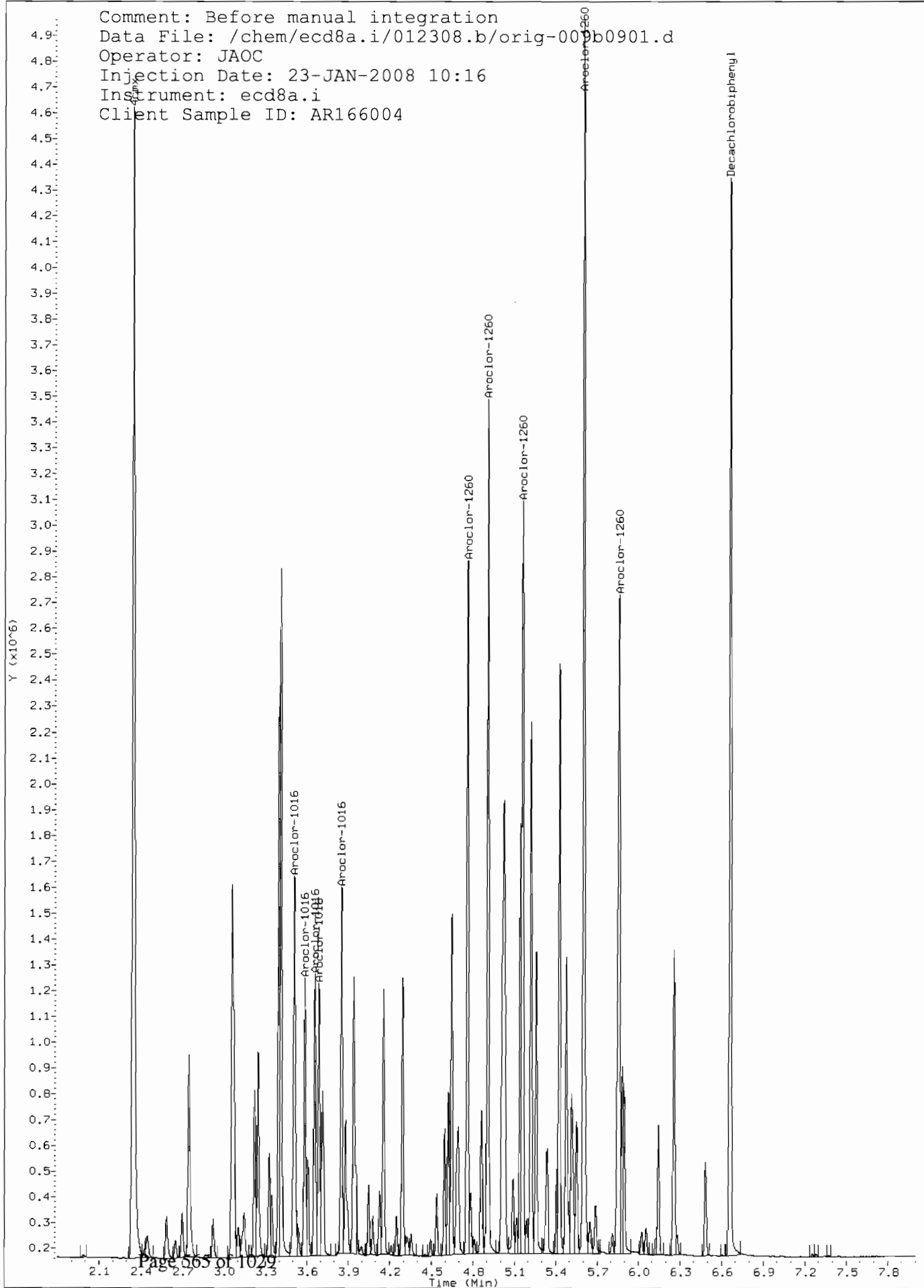
Page 1



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012308.b/009b0901.d
Operator: JAOC
Injection Date: 23-JAN-2008 10:16
Instrument: ecd8a.i
Client Sample ID: AR166004



Comment: Before manual integration
Data File: /chem/ecd8a.i/012308.b/orig-000b0901.d
Operator: JAOC
Injection Date: 23-JAN-2008 10:16
Instrument: ecd8a.i
Client Sample ID: AR166004



GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/010f1001.d

Lab Smp Id: IAR071130-01 60

Client Smp ID: AR166005

Inj Date : 23-JAN-2008 10:29

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : IAR071130-01 60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012308.b/ECD8-F-8082-121207.m

Meth Date : 24-Jan-2008 08:01 jen01212

Quant Type: ESTD

Cal Date : 26-DEC-2007 13:08

Cal File: 026f2601.d

Als bottle: 10

Calibration Sample, Level: 5

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

CAL-AMT ON-COL

RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8	
2.136	2.136	0.000	21785351	400.000	330 80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3	
6.075	6.075	0.000	15292845	400.000	318 80.00- 120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2	
3.020	3.020	0.000	10179014	4000.00	3240 80.00- 120.00	100.00
3.115	3.116	-0.001	6742324	4000.00	3240 44.93- 84.93	66.24
3.253	3.253	0.000	3629607	4000.00	3310 13.04- 53.04	35.66
3.269	3.269	0.000	3756669	4000.00	3190 16.97- 56.97	36.91
3.411	3.412	-0.001	5112580	4000.00	3300 27.30- 67.30	50.23
Average of Peak Amounts =					3.26e+03	

7 Aroclor-1260					CAS #: 11096-82-5	
4.472	4.473	-0.001	14000639	4000.00	3240 80.00- 120.00	100.00
4.664	4.665	-0.001	16273227	4000.00	3290 94.71- 134.71	116.23
4.745	4.746	-0.001	7287300	4000.00	3260 31.39- 71.39	52.05
4.914	4.915	-0.001	8311976	4000.00	3310 38.25- 78.25	59.37
5.128	5.129	-0.001	16925214	4000.00	3270 101.59- 141.59	120.89
Average of Peak Amounts =					3.28e+03	

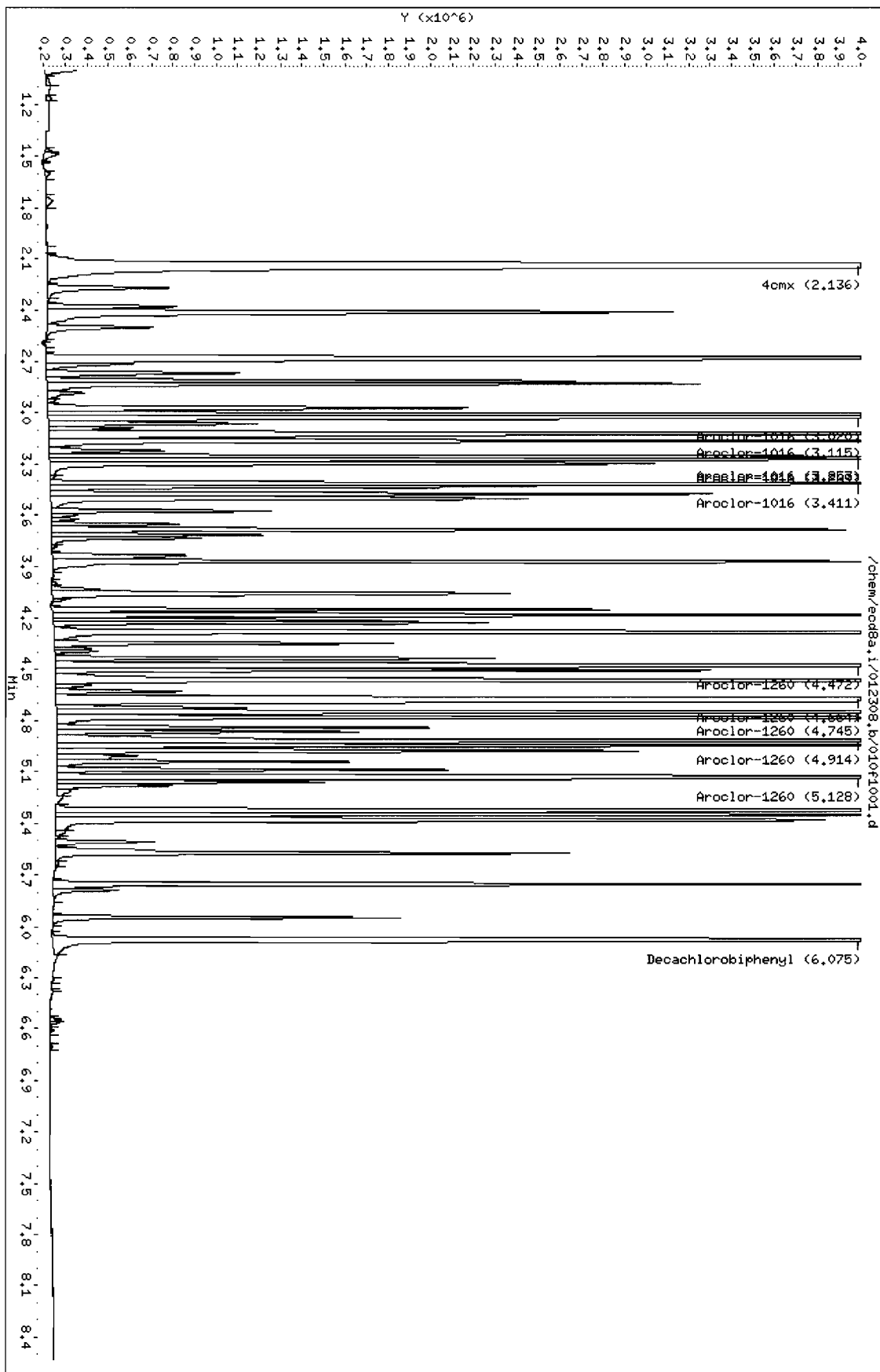
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Date : 23-JUN-2008 10:29
Client ID: AR166005
Sample Info: 11AR071130-01 60

Instrument: ecod8a.i

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Column phase: CLP1

Operator: JMO
Column diameter: 0.25



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/010b1001.d

Lab Smp Id: IAR071130-01 60

Client Smp ID: AR166005

Inj Date : 23-JAN-2008 10:29

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : IAR071130-01 60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012308.b/ECD8-B-8082-121207.m

Meth Date : 24-Jan-2008 08:00 jen01212

Quant Type: ESTD

Cal Date : 26-DEC-2007 13:08

Cal File: 026b2601.d

Als bottle: 10

Calibration Sample, Level: 5

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.347	2.347	0.000	18310981	400.000	354	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.660	6.660	0.000	12927822	400.000	332	80.00- 120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2		
3.507	3.507	0.000	5258466	4000.00	3250	80.00- 120.00	100.00(M)
3.583	3.584	-0.001	3280275	4000.00	3420	40.09- 80.09	62.38
3.656	3.656	0.000	3225162	4000.00	3210	41.25- 81.25	61.33
3.687	3.687	0.000	3362213	4000.00	3240	42.87- 82.87	63.94
3.852	3.852	0.000	4295309	4000.00	3300	59.33- 99.33	81.68
Average of Peak Amounts =					3.28e+03		

7 Aroclor-1260					CAS #: 11096-82-5		
4.758	4.758	0.000	7857056	4000.00	3290	80.00- 120.00	100.00
4.904	4.905	-0.001	9649004	4000.00	3330	102.72- 142.72	122.81
5.157	5.158	-0.001	9721749	4000.00	3370	103.68- 143.68	123.73
5.600	5.600	0.000	14977859	4000.00	3370	172.33- 212.33	190.63
5.857	5.858	-0.001	11169168	4000.00	3460	118.76- 158.76	142.15
Average of Peak Amounts =					3.37e+03		

Data File: /chem/ecd8a.i/012308.b/010b1001.d
Report Date: 24-Jan-2008 08:44

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QC Flag Legend

M - Compound response manually integrated.

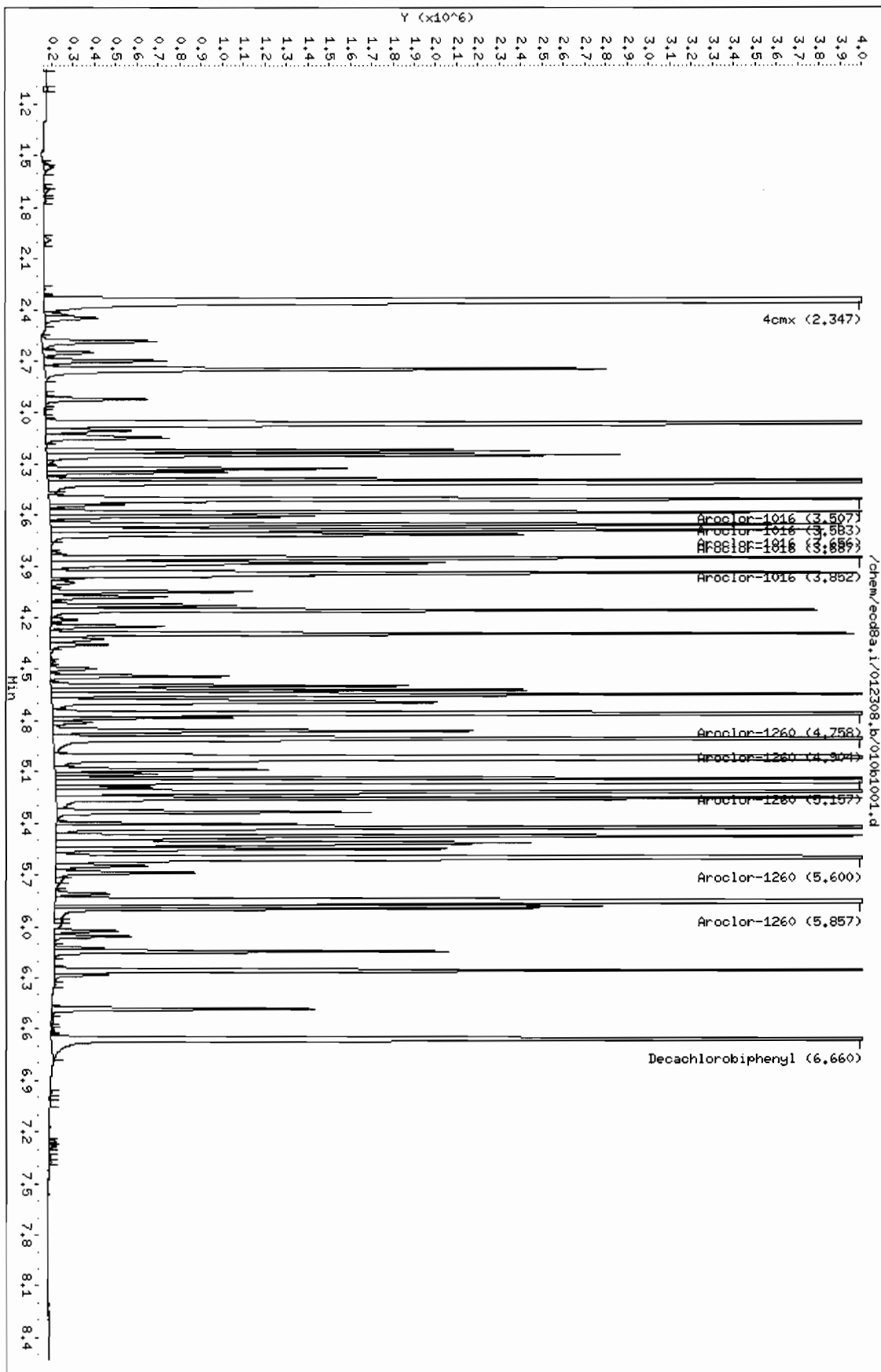
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Date: 23-JAN-2008 10:29
Client ID: AR166005
Sample Info: IIA071130-01 60

Instrument: ecd8a.i

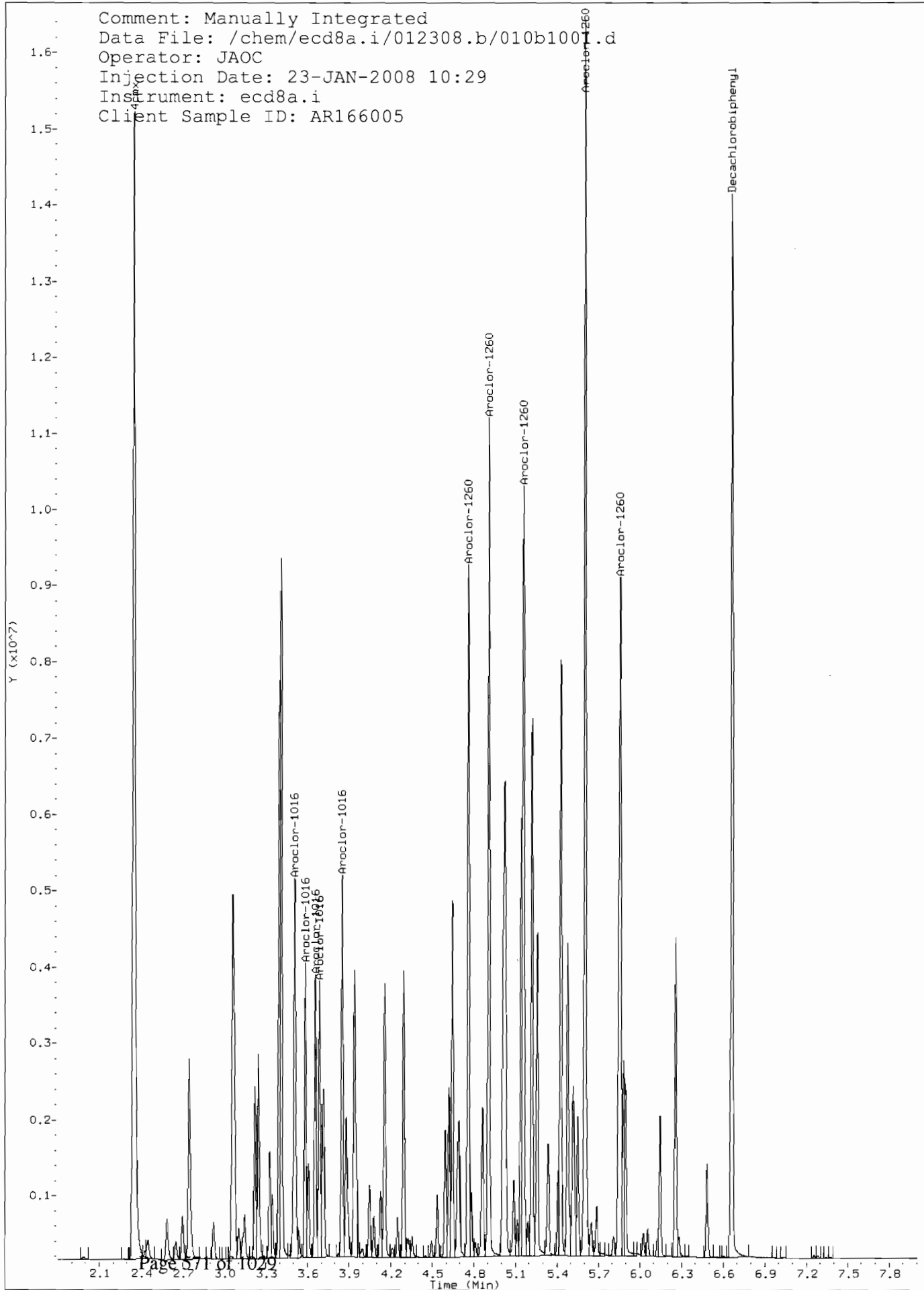
Page 1

Column phase: CLP2

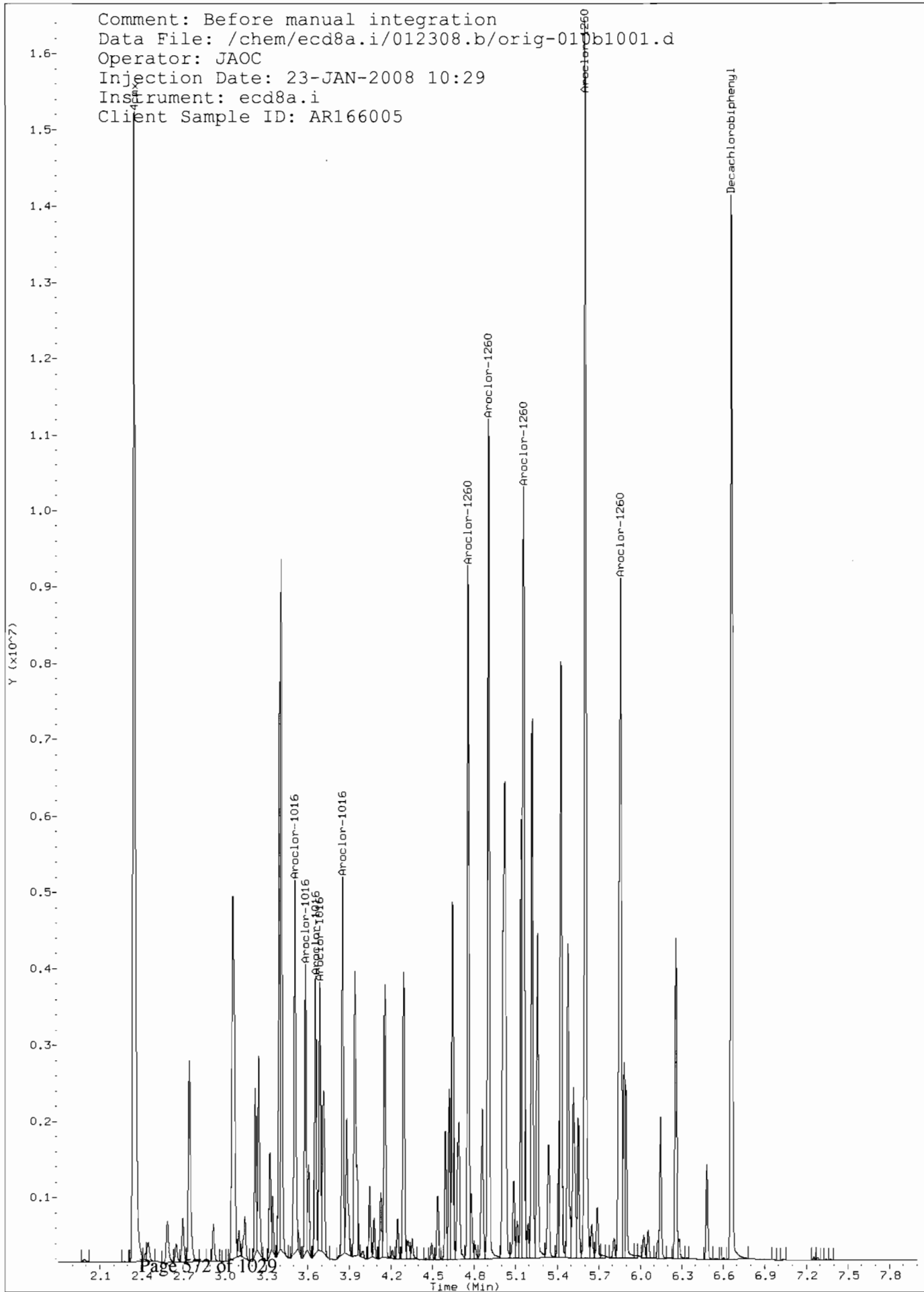
Operator: JMO
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012308.b/010b1001.d
Operator: JAOC
Injection Date: 23-JAN-2008 10:29
Instrument: ecd8a.i
Client Sample ID: AR166005



Comment: Before manual integration
Data File: /chem/ecd8a.i/012308.b/orig-010b1001.d
Operator: JAOC
Injection Date: 23-JAN-2008 10:29
Instrument: ecd8a.i
Client Sample ID: AR166005



GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012308.b/012f1201.d
Lab Smp Id: WAR080123-05 42 Client Smp ID: AR124201
Inj Date : 23-JAN-2008 10:53
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR080123-05 42
Misc Info :
Comment :
Method : /chem/ecd8a.i/012308.b/ECD8-F-8082-121207.m
Meth Date : 24-Jan-2008 08:01 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 12:19 Cal File: 022f2201.d
Als bottle: 12 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.135	2.136	-0.001	703433	10.0000	10.7	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.076	6.075	0.001	524827	10.0000	10.9	80.00- 120.00	100.00

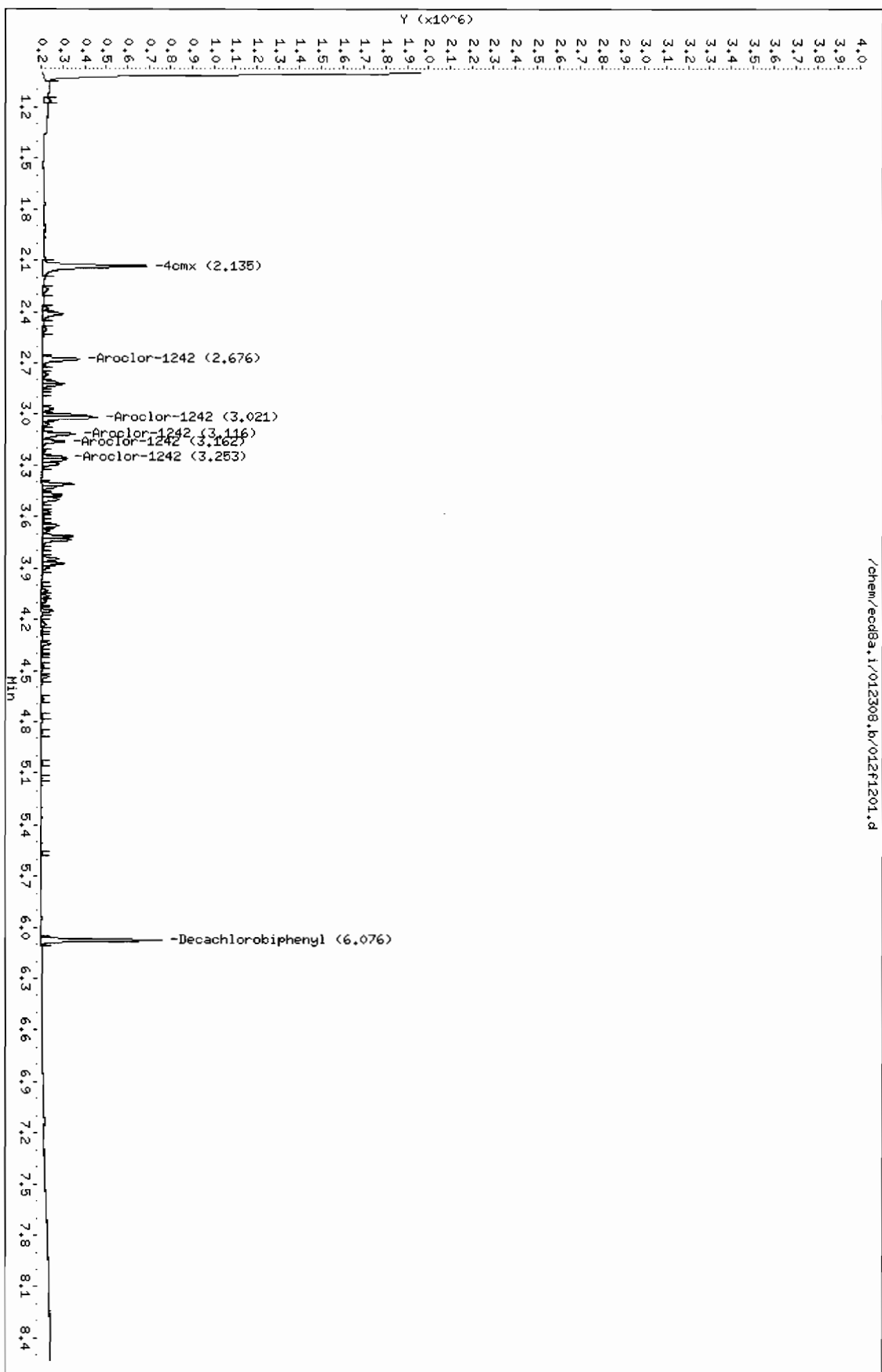
4 Aroclor-1242					CAS #: 53469-21-9		
2.676	2.675	0.001	241016	100.000	103	80.00- 120.00	100.00
3.021	3.020	0.001	276294	100.000	65.6	110.51- 150.51	114.64
3.116	3.115	0.001	186861	100.000	99.2	60.73- 100.73	77.53
3.162	3.160	0.002	110741	100.000	94.0	30.95- 70.95	45.95
3.253	3.252	0.001	96178	100.000	109	20.18- 60.18	39.91
Average of Peak Amounts =					94.2		

Data File: /chem/ecd8a.i/012308.b/012f1201.d
Date: 23-JAN-2008 10:53
Client ID: AR124201
Sample Info: IMA8080123-05 42

Column phase: CLP1

Instrument: ecd8a.i
Operator: JHOC
Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/012b1201.d

Lab Smp Id: WAR080123-05 42

Client Smp ID: AR124201

Inj Date : 23-JAN-2008 10:53

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |WAR080123-05 42

Misc Info :

Comment :

Method : /chem/ecd8a.i/012308.b/ECD8-B-8082-121207.m

Meth Date : 24-Jan-2008 08:00 jen01212 Quant Type: ESTD

Cal Date : 26-DEC-2007 12:19

Cal File: 022b2201.d

Als bottle: 12

Calibration Sample, Level: 1

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1242.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
\$ 11 4cmx					CAS #: 877-09-8	
2.346	2.347	-0.001	516566 10.0000	10	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3	
6.661	6.660	0.001	415969 10.0000	10.7	80.00- 120.00	100.00

4 Aroclor-1242					CAS #: 53469-21-9	
3.408	3.408	0.000	213772 100.000	66.3	80.00- 120.00	100.00
3.508	3.507	0.001	151024 100.000	108	41.84- 81.84	70.65
3.583	3.583	0.000	84148 100.000	101	16.93- 56.93	39.36
3.852	3.851	0.001	119248 100.000	103	29.05- 69.05	55.78
4.128	4.127	0.001	119129 100.000	102	0.00- 28.07	55.73
Average of Peak Amounts =				96.1		

Data File: /chem/ecod8a.i/012308.b/012b1201.d

Date: 23-JAN-2008 10:53

Client ID: AR124201

Sample Info: IMA080123-05 42

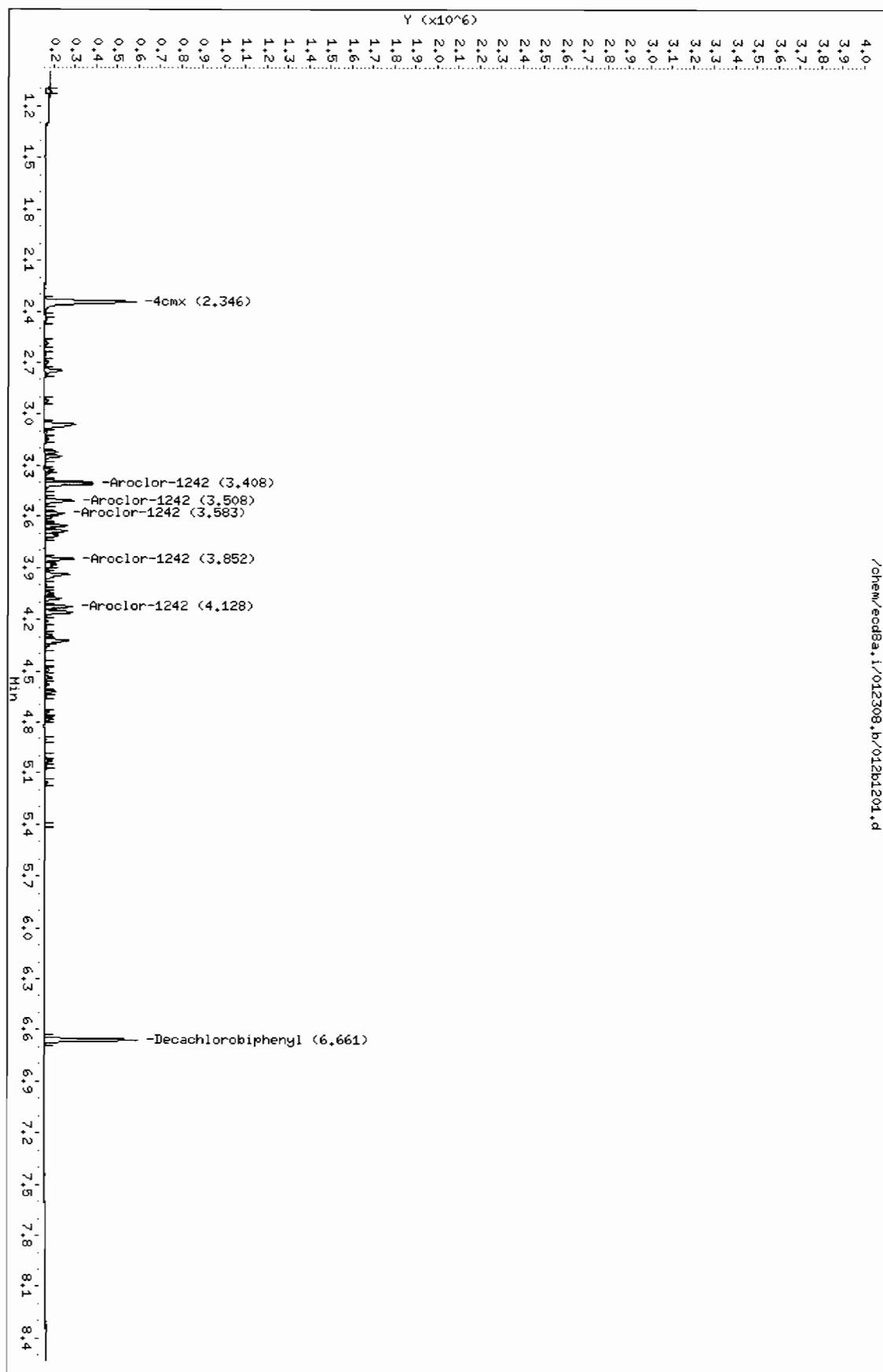
Column phase: CLP2

Instrument: ecod8a.i

Operator: JHOC

Column diameter: 0.25

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Data File: /chem/ecd8a.i/012308.b/013f1301.d
Report Date: 04-Feb-2008 09:48

Page 1

GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/013f1301.d
Lab Smp Id: WAR080123-06 42 Client Smp ID: AR124202
Inj Date : 23-JAN-2008 11:06
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR080123-06 42
Misc Info :
Comment :
Method : /chem/ecd8a.i/012308.b/ECD8-F-8082-121207.m
Meth Date : 04-Feb-2008 09:48 yml Quant Type: ESTD
Cal Date : 23-JAN-2008 12:20 Cal File: 019f1901.d
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: kilroy

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO

\$ 11 4cmx				CAS #: 877-09-8		
2.136	2.136	0.000	1612451 25.0000	24.4	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl				CAS #: 2051-24-3		
6.076	6.075	0.001	1172761 25.0000	24.4	80.00- 120.00	100.00

4 Aroclor-1242				CAS #: 53469-21-9		
2.676	2.675	0.001	533700 250.000	268	80.00- 120.00	100.00
3.021	3.020	0.001	627399 250.000	259	97.56- 137.56	117.56
3.116	3.115	0.001	423374 250.000	264	59.33- 99.33	79.33
3.161	3.160	0.001	257141 250.000	262	28.18- 68.18	48.18
3.252	3.252	0.000	217126 250.000	264	20.68- 60.68	40.68
Average of Peak Amounts =				264		

Data File: /chem/ecod8a.i/012308.b/013f1301.d

Date : 23-JAN-2008 11:06

Client ID: AR124202

Sample Info: IMA080123-06 42

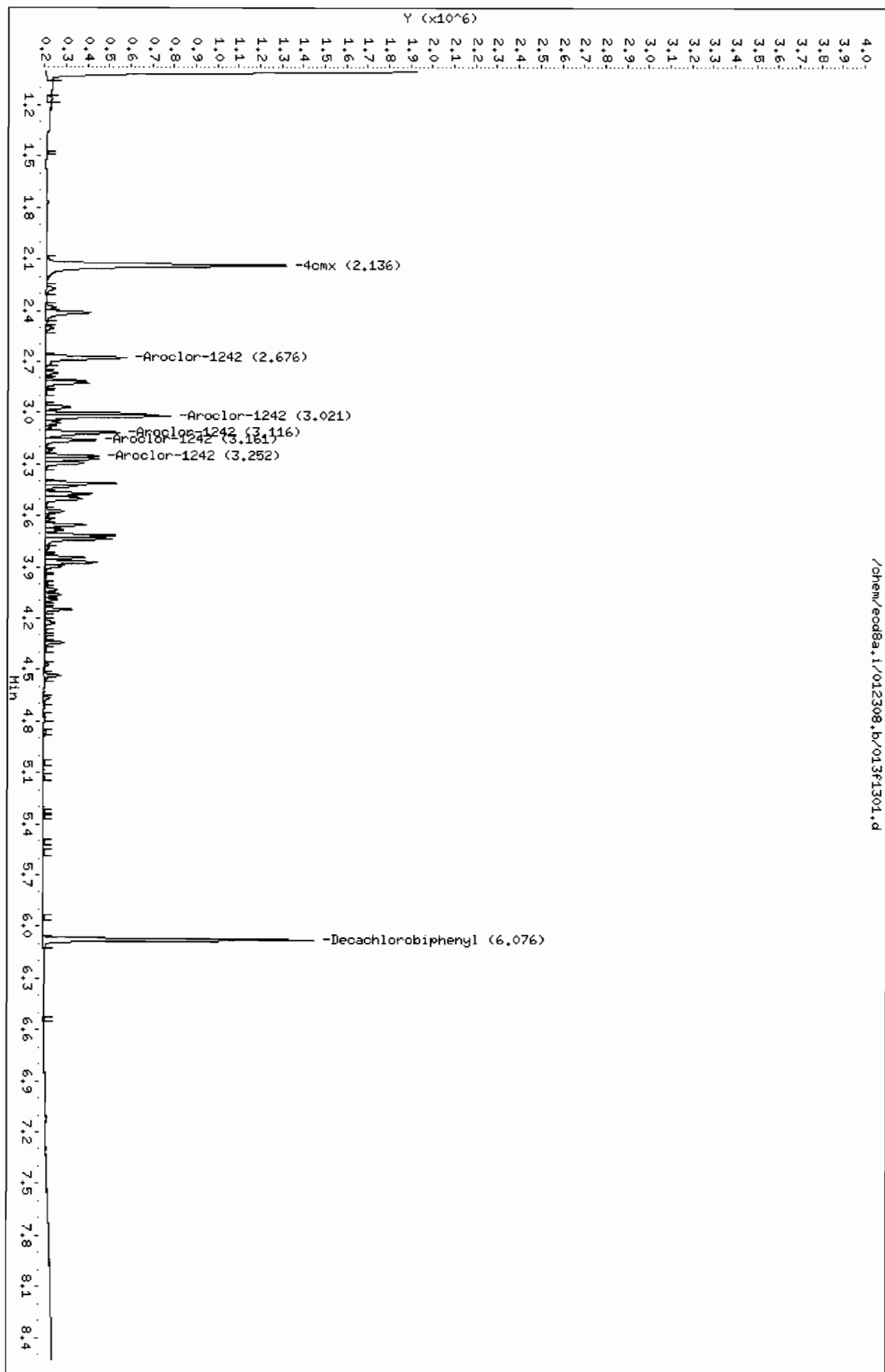
Column phase: CLP1

Instrument: ecod8a.i

Operator: JADC

Column diameter: 0.25

Page 1



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/013b1301.d
Lab Smp Id: WAR080123-06 42 Client Smp ID: AR124202
Inj Date : 23-JAN-2008 11:06
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR080123-06 42
Misc Info :
Comment :
Method : /chem/ecd8a.i/012308.b/ECD8-B-8082-121207.m
Meth Date : 04-Feb-2008 09:50 yml Quant Type: ESTD
Cal Date : 23-JAN-2008 12:20 Cal File: 019b1901.d
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: kilroy

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
\$ 11 4cmx				CAS #: 877-09-8		
2.347	2.347	0.000	1230280 25.0000	23.8	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl				CAS #: 2051-24-3		
6.660	6.660	0.000	931087 25.0000	23.9	80.00- 120.00	100.00

4 Aroclor-1242				CAS #: 53469-21-9		
3.408	3.408	0.000	515485 250.000	262	80.00- 120.00	100.00
3.507	3.507	0.000	326437 250.000	260	43.33- 83.33	63.33
3.584	3.583	0.001	190187 250.000	258	16.89- 56.89	36.89
3.852	3.851	0.001	271384 250.000	262	32.65- 72.65	52.65
4.127	4.127	0.000	268068 250.000	258	32.00- 72.00	52.00
Average of Peak Amounts =				260		

Data File: /chem/ecod8a.i/012308.b/01361301.d

Date : 23-JAN-2008 11:06

Client ID: AR124202

Sample Info: IMAR080123-06 42

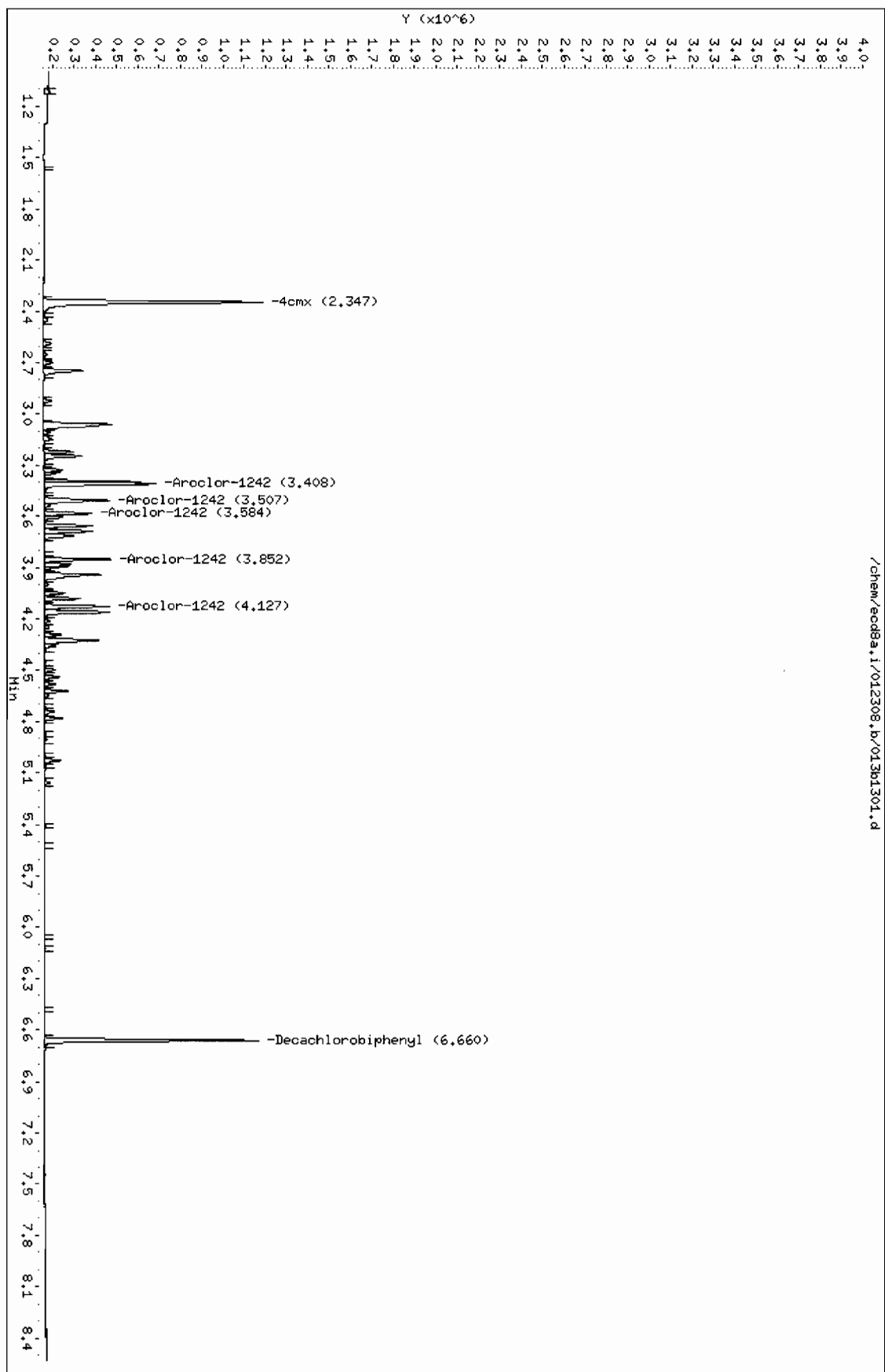
Column phase: CLP2

Instrument: ecod8a.i

Operator: JHOC

Column diameter: 0.25

Page 1



GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012308.b/014f1401.d
Lab Smp Id: WAR080123-07 42 Client Smp ID: AR124203
Inj Date : 23-JAN-2008 11:18
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR080123-07 42
Misc Info :
Comment :
Method : /chem/ecd8a.i/012308.b/ECD8-F-8082-121207.m
Meth Date : 24-Jan-2008 08:01 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 12:44 Cal File: 024f2401.d
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx				CAS #: 877-09-8			
2.136	2.136	0.000	3095436	50.0000	46.9	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl				CAS #: 2051-24-3			
6.076	6.075	0.001	2258619	50.0000	47.0	80.00- 120.00	100.00

4 Aroclor-1242				CAS #: 53469-21-9			
2.676	2.675	0.001	1010375	500.000	508	80.00- 120.00	100.00 (M)
3.021	3.020	0.001	1216562	500.000	502	110.51- 150.51	120.41
3.116	3.115	0.001	808345	500.000	505	60.73- 100.73	80.00
3.161	3.160	0.001	503748	500.000	513	30.95- 70.95	49.86
3.252	3.252	0.000	416583	500.000	507	20.18- 60.18	41.23
Average of Peak Amounts =				507			

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecdb8a.i/012308.b/014f1401.d

Date : 23-JAN-2008 11:18

Client ID: AR124203

Sample Info: 1MAR080123-07 42

Page 1

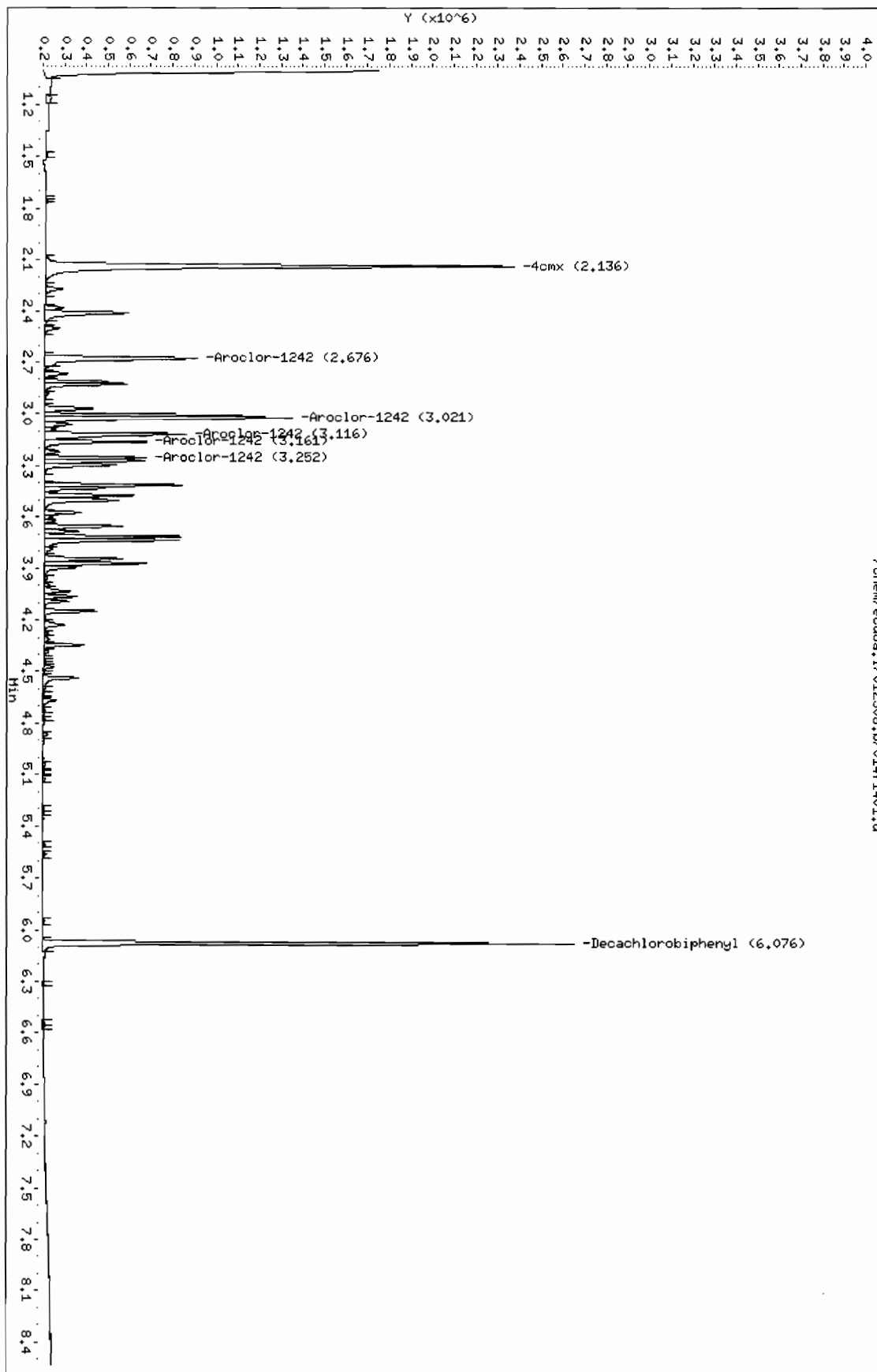
Instrument: ecdb8a.i

Operator: JROC

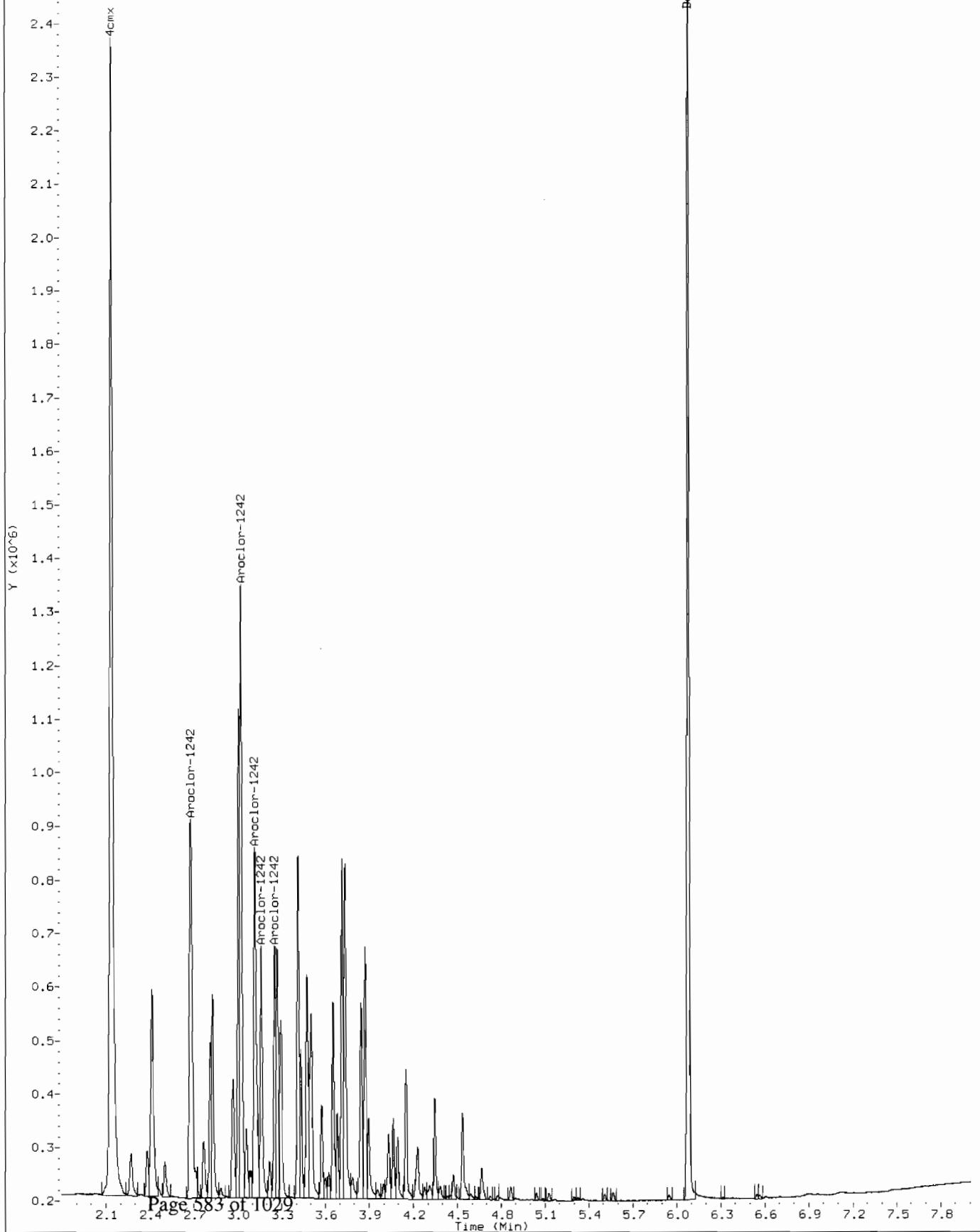
Column diameter: 0.25

Column phase: CLP1

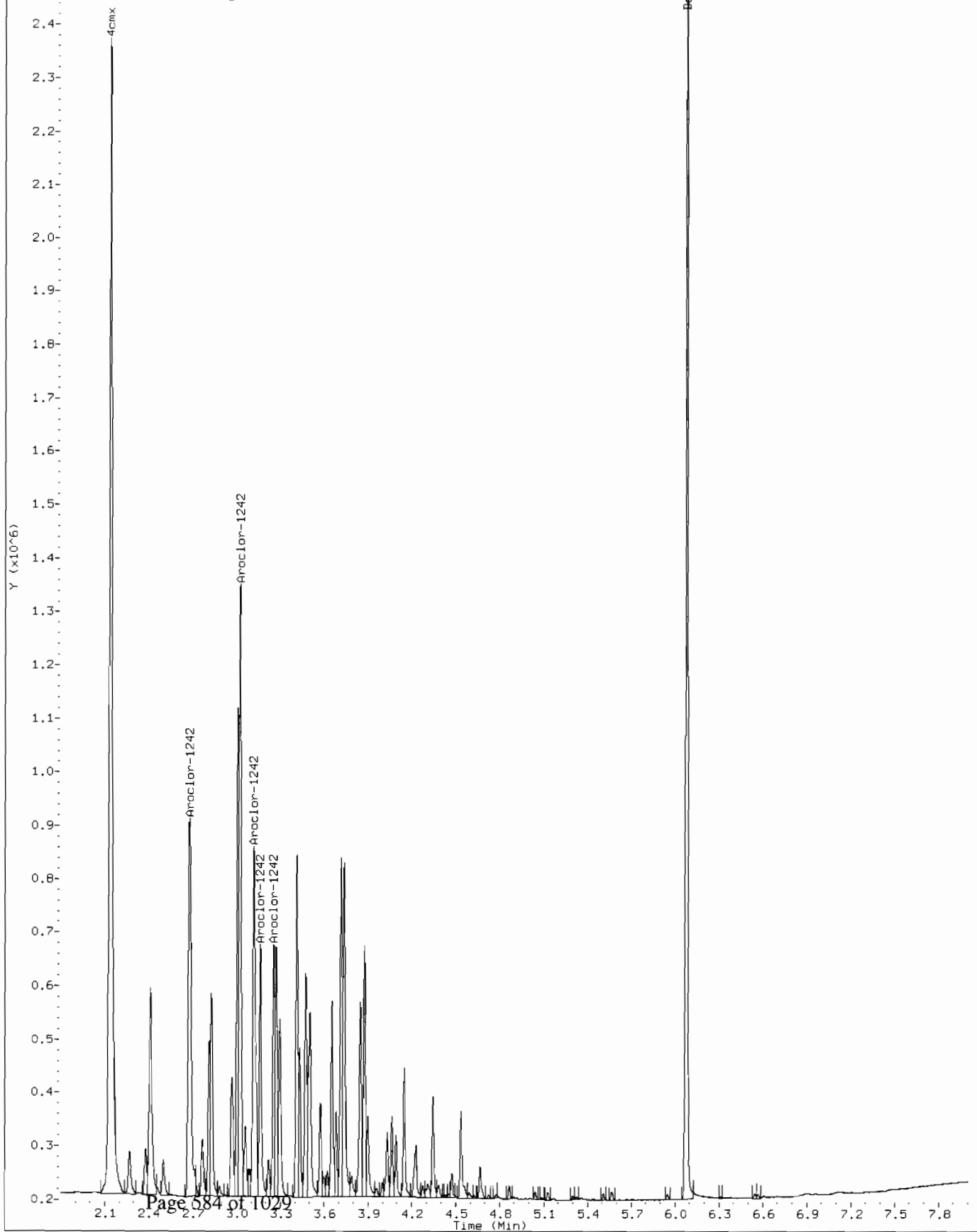
/chem/ecdb8a.i/012308.b/014f1401.d



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012308.b/014f1401.d
Operator: JAOC
Injection Date: 23-JAN-2008 11:18
Instrument: ecd8a.i
Client Sample ID: AR124203



Comment: Before manual integration
Data File: /chem/ecd8a.i/012308.b/orig-014f1401.d
Operator: JAOC
Injection Date: 23-JAN-2008 11:18
Instrument: ecd8a.i
Client Sample ID: AR124203



Data File: /chem/ecd8a.i/012308.b/014b1401.d
 Report Date: 24-Jan-2008 08:45

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/014b1401.d
 Lab Smp Id: WAR080123-07 42 Client Smp ID: AR124203
 Inj Date : 23-JAN-2008 11:18
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |WAR080123-07 42
 Misc Info :
 Comment :
 Method : /chem/ecd8a.i/012308.b/ECD8-B-8082-121207.m
 Meth Date : 24-Jan-2008 08:00 jen01212 Quant Type: ESTD
 Cal Date : 26-DEC-2007 12:44 Cal File: 024b2401.d
 Als bottle: 14 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1242.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
\$ 11 4cmx				CAS #: 877-09-8		
2.346	2.347	-0.001	2439339 50.0000	47.1	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl				CAS #: 2051-24-3		
6.660	6.660	0.000	1820822 50.0000	46.7	80.00- 120.00	100.00

4 Aroclor-1242				CAS #: 53469-21-9		
3.408	3.408	0.000	974689 500.000	382	80.00- 120.00	100.00
3.507	3.507	0.000	622085 500.000	471	41.84- 81.84	63.82
3.584	3.583	0.001	362462 500.000	466	16.93- 56.93	37.19
3.852	3.851	0.001	515691 500.000	472	29.05- 69.05	52.91
4.128	4.127	0.001	512090 500.000	468	0.00- 28.07	52.54
Average of Peak Amounts =				452		

Data File: /chem/ecd8a.i/012308.b/014b1401.d

Date : 23-JAN-2008 11:18

Client ID: ARL24203

Sample Info: 1MAR080123-07 42

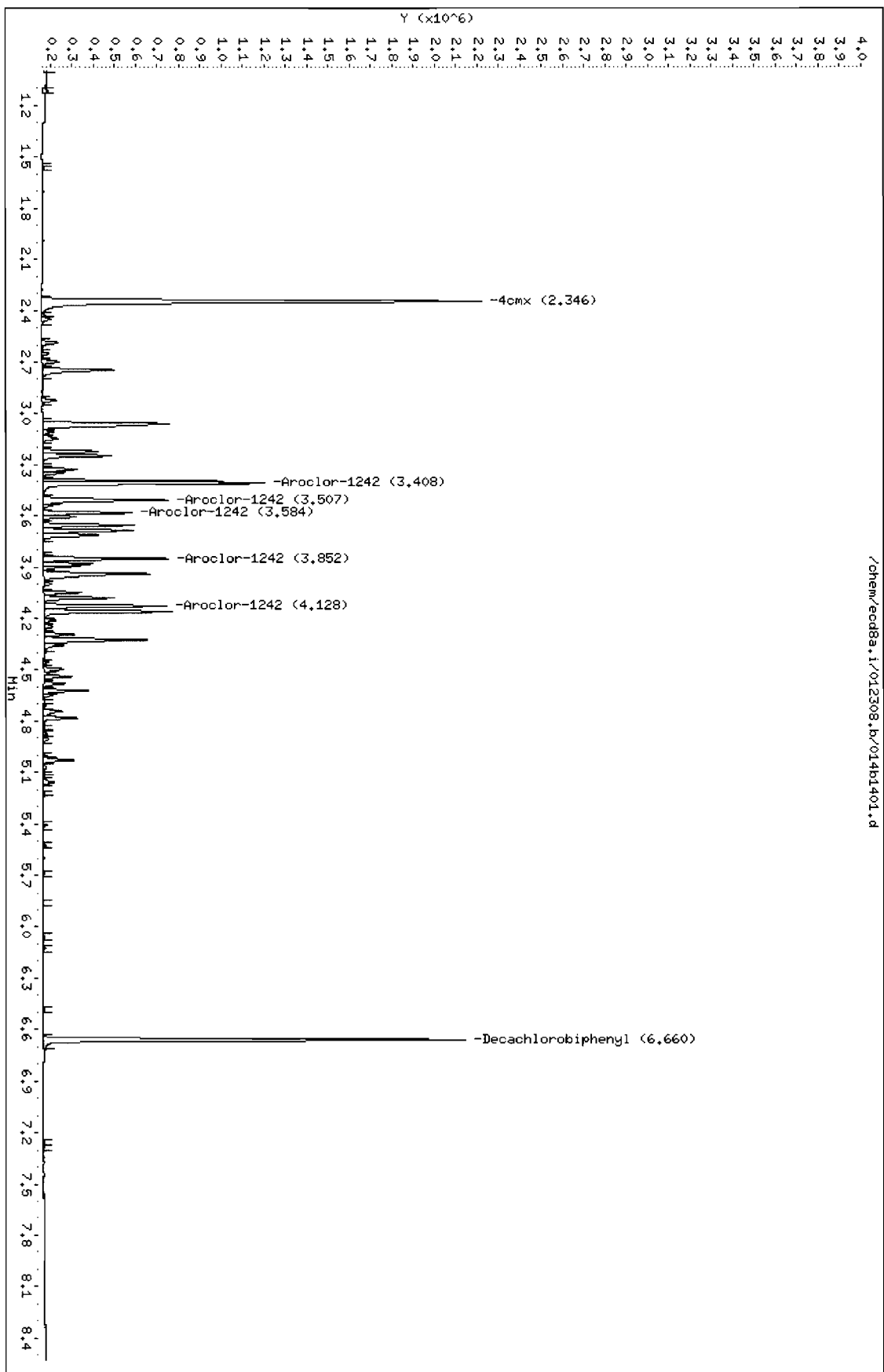
Column phase: CLP2

Instrument: ecd8a.i

Operator: JMO

Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/015f1501.d

Lab Smp Id: WAR080123-08 42

Client Smp ID: AR124204

Inj Date : 23-JAN-2008 11:30

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |WAR080123-08 42

Misc Info :

Comment :

Method : /chem/ecd8a.i/012308.b/ECD8-F-8082-121207.m

Meth Date : 24-Jan-2008 08:01 jen01212 Quant Type: ESTD

Cal Date : 14-DEC-2007 06:19 Cal File: 030f3001.d

Als bottle: 15

Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1242.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
\$ 11 4cmx					CAS #: 877-09-8			
2.136	2.136	0.000	5966199	100.000	90.5	80.00- 120.00	100.00	

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.076	6.075	0.001	4289809	100.000	89.3	80.00- 120.00	100.00	

4 Aroclor-1242					CAS #: 53469-21-9			
2.676	2.675	0.001	1868096	1000.00	896	80.00- 120.00	100.00	
3.020	3.020	0.000	2344392	1000.00	833	110.51- 150.51	125.50	
3.116	3.115	0.001	1519984	1000.00	911	60.73- 100.73	81.37	
3.161	3.160	0.001	941161	1000.00	915	30.95- 70.95	50.38	
3.252	3.252	0.000	773403	1000.00	922	20.18- 60.18	41.40	
Average of Peak Amounts =					895			

Data File: /chem/ecd8a.i/012308.b/015f1501.d

Date : 23-JAN-2008 11:30

Client ID: AR124204

Sample Info: IMA080123-08 42

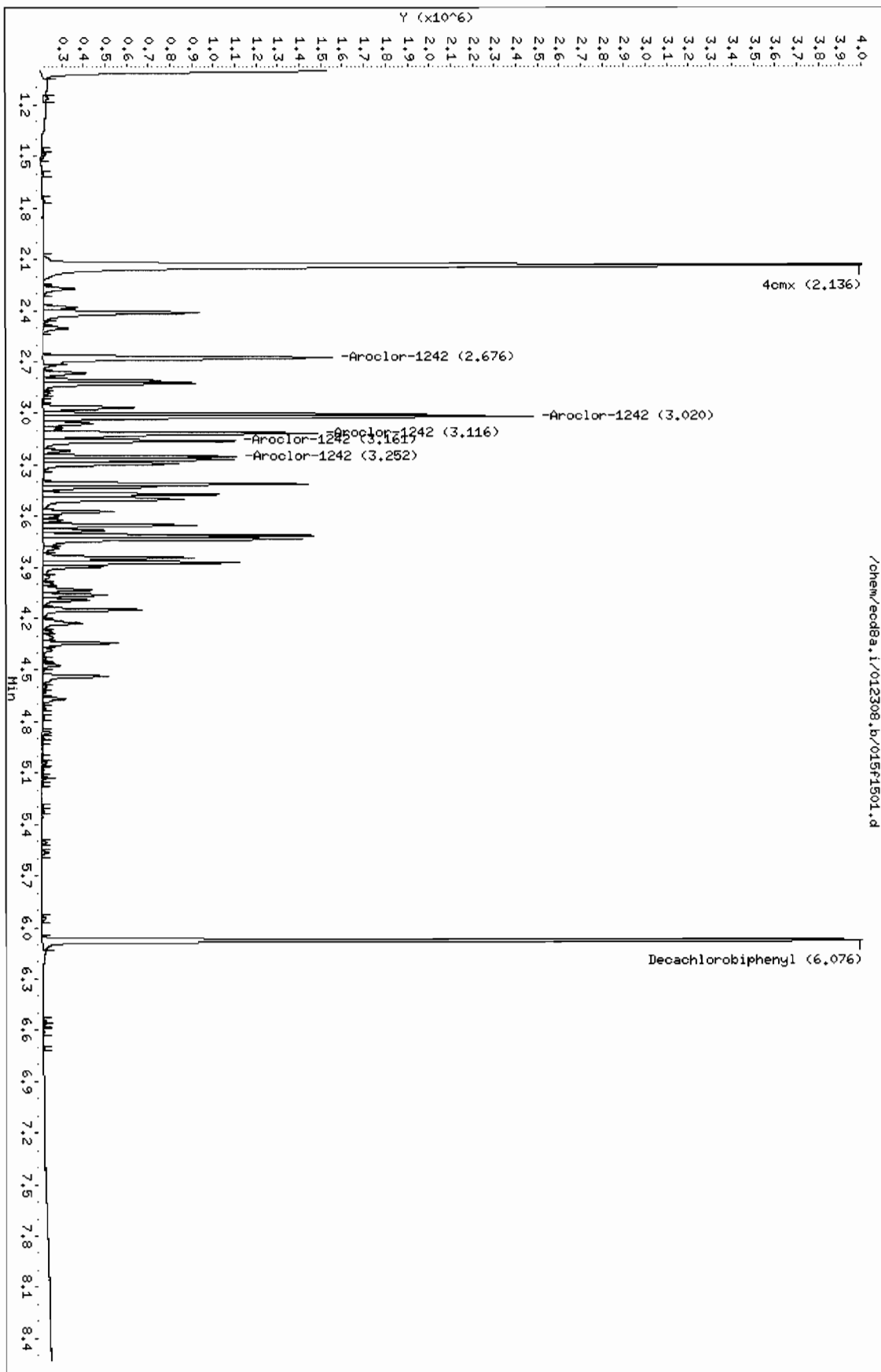
Column phase: CLP1

Instrument: ecd8a.i

Operator: JAOC

Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012308.b/015b1501.d
Lab Smp Id: WAR080123-08 42 Client Smp ID: AR124204
Inj Date : 23-JAN-2008 11:30
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR080123-08 42
Misc Info :
Comment :
Method : /chem/ecd8a.i/012308.b/ECD8-B-8082-121207.m
Meth Date : 24-Jan-2008 08:00 jen01212 Quant Type: ESTD
Cal Date : 14-DEC-2007 06:43 Cal File: 032b3201.d
Als bottle: 15 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.346	2.347	-0.001	4842167	100.000	93.5	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.661	6.660	0.001	3528756	100.000	90.6	80.00-	120.00	100.00

4 Aroclor-1242					CAS #: 53469-21-9			
3.408	3.408	0.000	1998394	1000.00	1010	80.00-	120.00	100.00 (M)
3.507	3.507	0.000	1196420	1000.00	952	41.84-	81.84	59.87
3.583	3.583	0.000	717475	1000.00	973	16.93-	56.93	35.90
3.852	3.851	0.001	994027	1000.00	962	29.05-	69.05	49.74
4.128	4.127	0.001	1008383	1000.00	972	0.00-	28.07	50.46
Average of Peak Amounts =					975			

QC Flag Legend

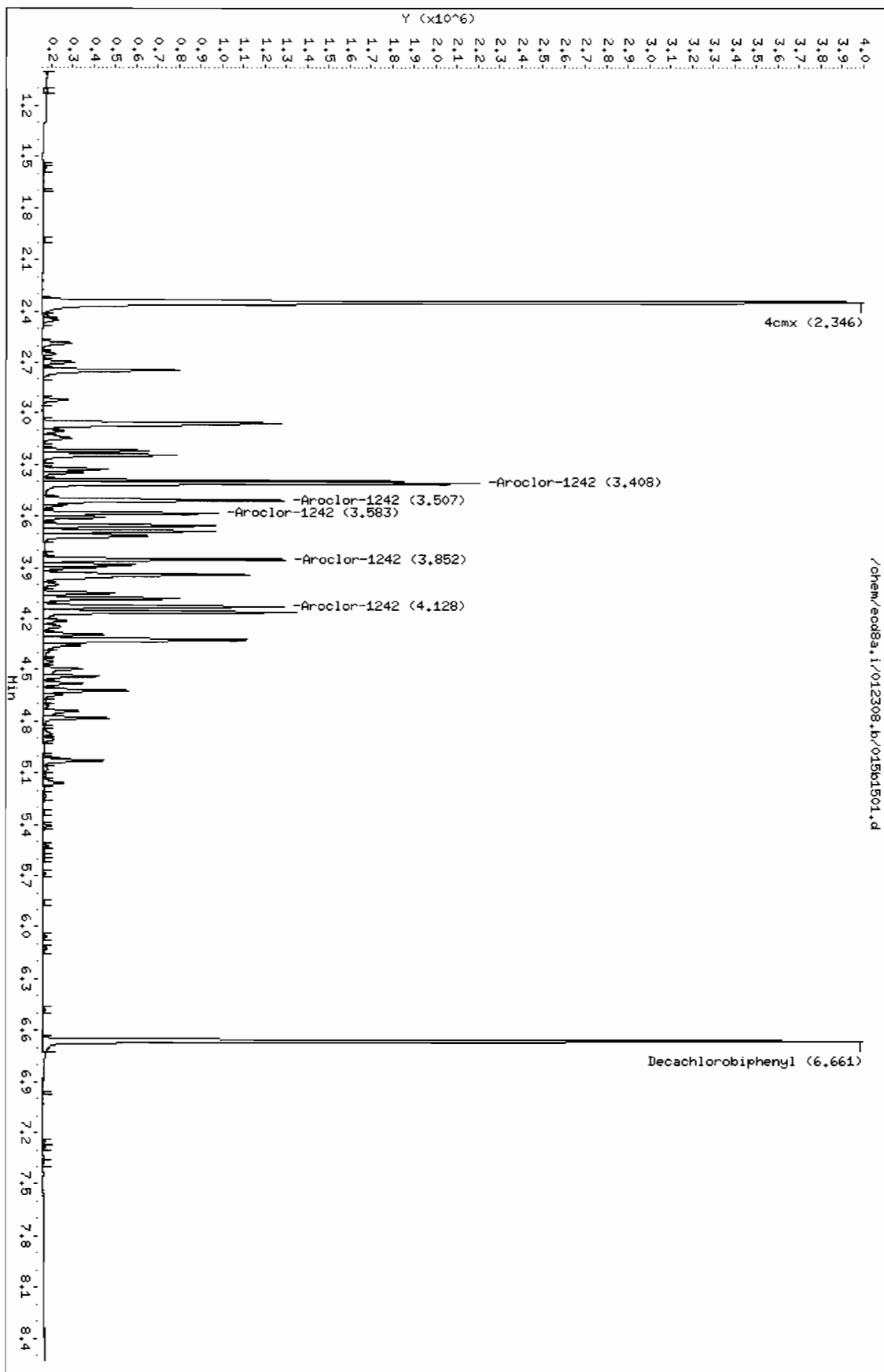
M - Compound response manually integrated.

Data File: /chem/ecd8a.i/012308.b/015b1501.d
Date : 23-JAN-2008 11:30
Client ID: AR124204
Sample Info: IMAK080123-08 42

Column phase: CLP2

Instrument: ecd8a.i
Operator: JMC
Column diameter: 0.25

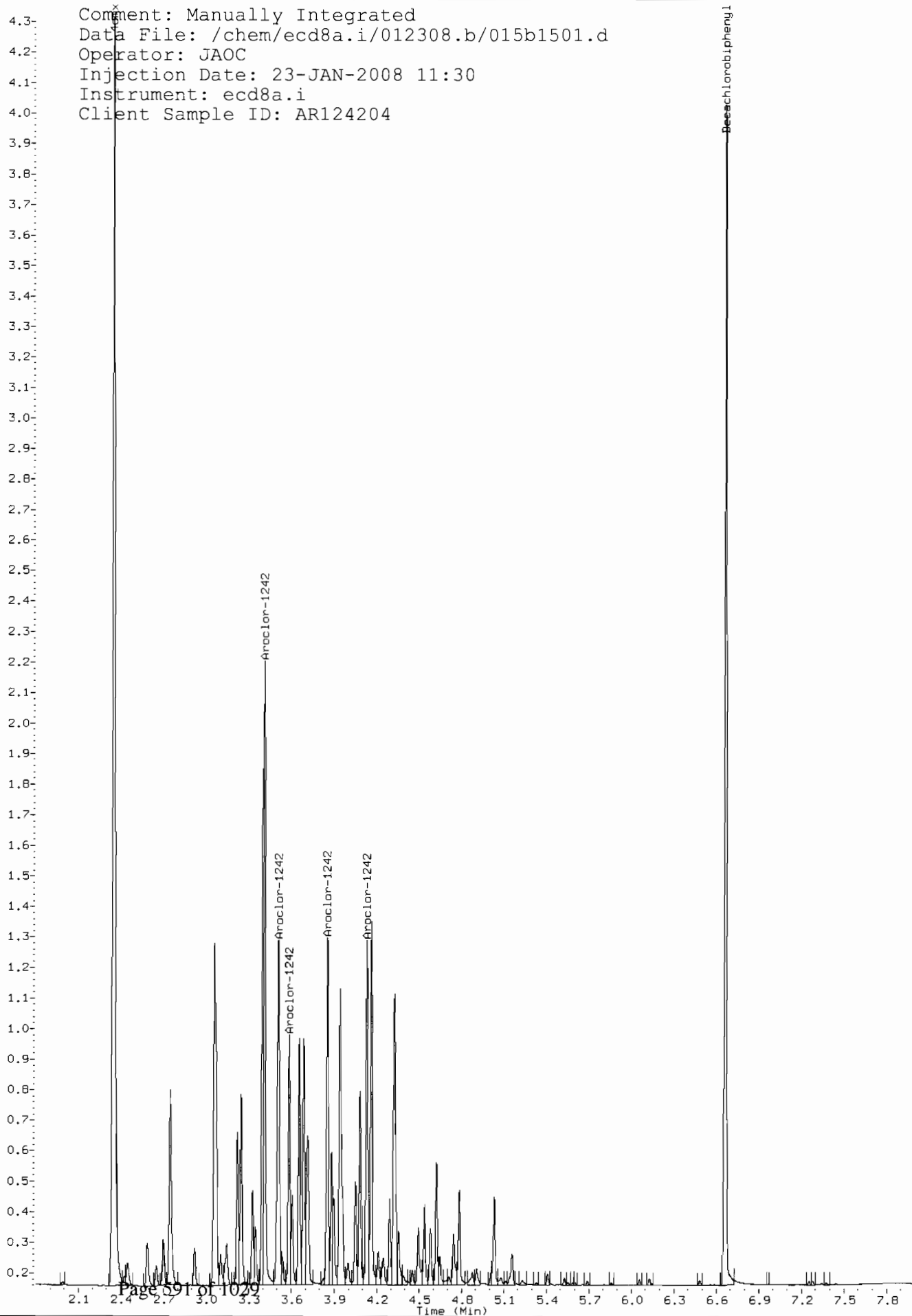
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Comment: Manually Integrated
Data File: /chem/ecd8a.i/012308.b/015b1501.d
Operator: JAOC
Injection Date: 23-JAN-2008 11:30
Instrument: ecd8a.i
Client Sample ID: AR124204

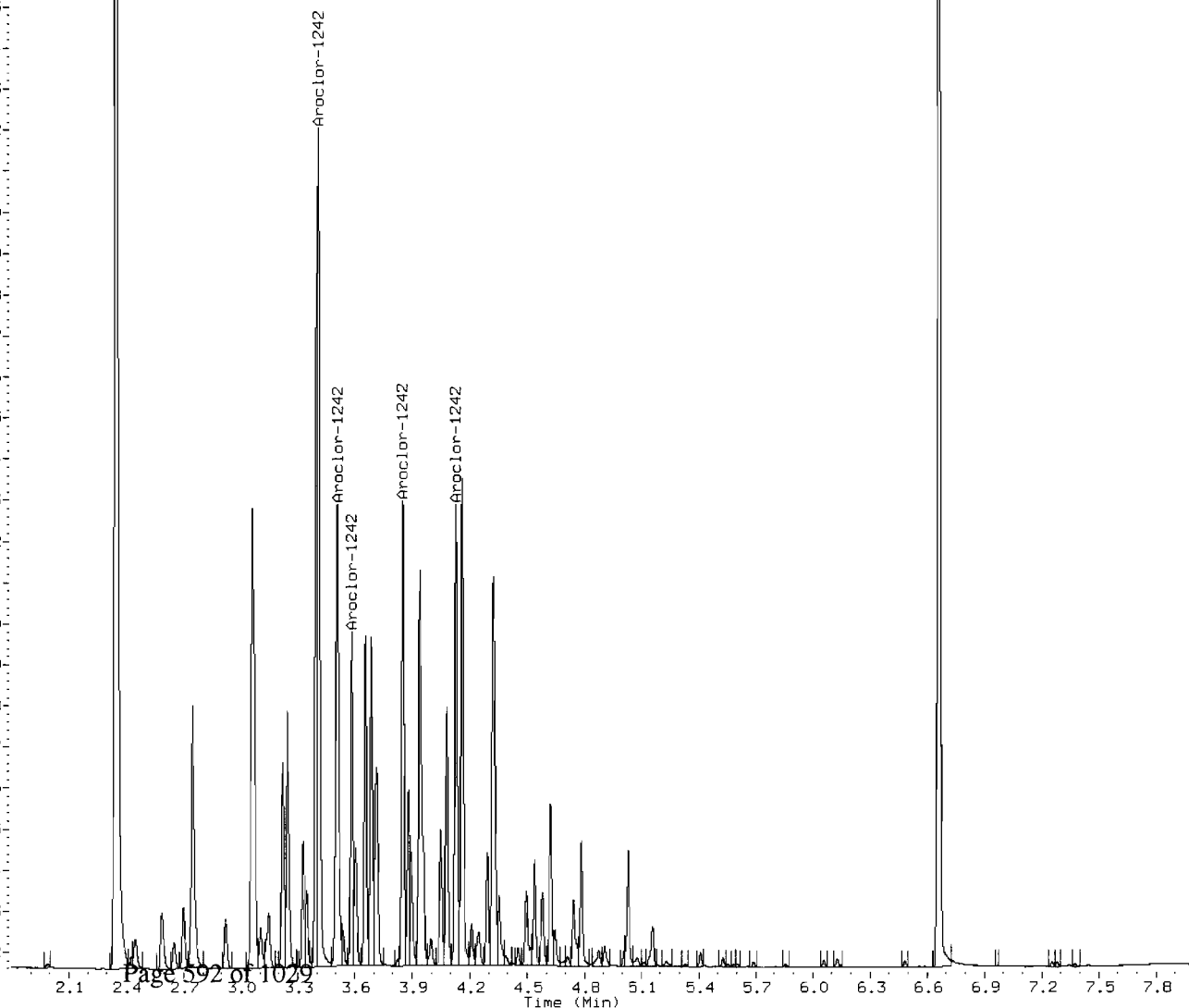
Y (x10⁻⁶)

Dechlorobiphenyl



Comment: Before manual integration
Data File: /chem/ecd8a.i/012308.b/orig-015b1501.d
Operator: JAOC
Injection Date: 23-JAN-2008 11:30
Instrument: ecd8a.i
Client Sample ID: AR124204

Y (x10⁶)



GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012308.b/016f1601.d
Lab Smp Id: IAR080102-01 42 Client Smp ID: AR124205
Inj Date : 23-JAN-2008 11:43
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |IAR080102-01 42
Misc Info :
Comment :
Method : /chem/ecd8a.i/012308.b/ECD8-F-8082-121207.m
Meth Date : 24-Jan-2008 08:01 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026f2601.d
Als bottle: 16 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.135	2.136	-0.001	20420624	400.000	310	80.00- 120.00	100.00	

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.075	6.075	0.000	14355852	400.000	299	80.00- 120.00	100.00	

4 Aroclor-1242					CAS #: 53469-21-9			
2.676	2.675	0.001	6016950	4000.00	3030	80.00- 120.00	100.00 (M)	
3.020	3.020	0.000	8246064	4000.00	3420	110.51- 150.51	137.05	
3.115	3.115	0.000	5228854	4000.00	3270	60.73- 100.73	86.90	
3.160	3.160	0.000	3300497	4000.00	3370	30.95- 70.95	54.85	
3.252	3.252	0.000	2684509	4000.00	3280	20.18- 60.18	44.62	
Average of Peak Amounts =					3.27e+03			

QC Flag Legend

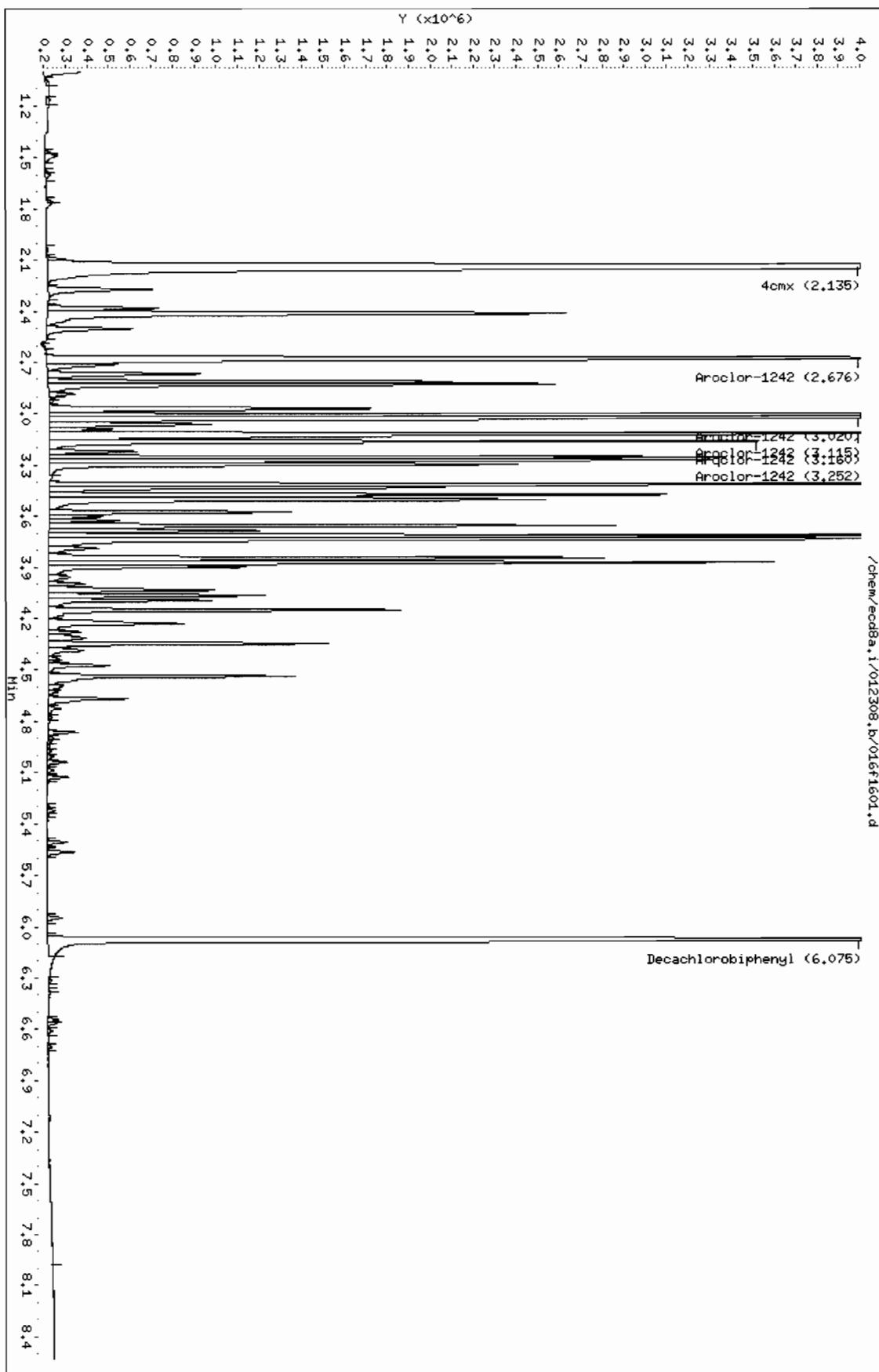
M - Compound response manually integrated.

Data File: /chem/ecd8a.i/012308.b/016f1601.d
Date : 23-JAN-2008 11:43
Client ID: BR124205
Sample Info: 11AR080102-01 42

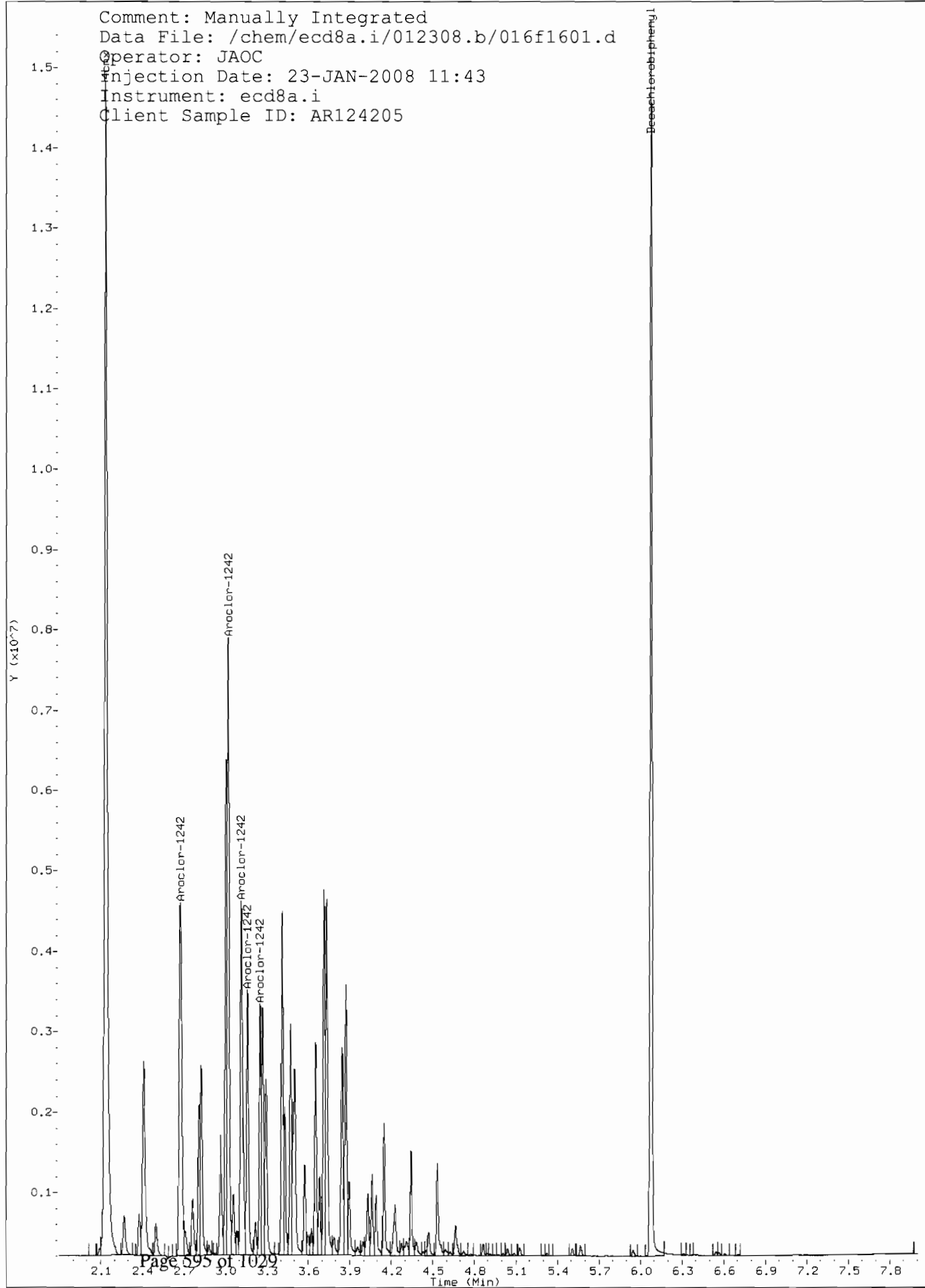
Column phase: CLP1

Instrument: ecd8a.i
Operator: JHOC
Column diameter: 0.25

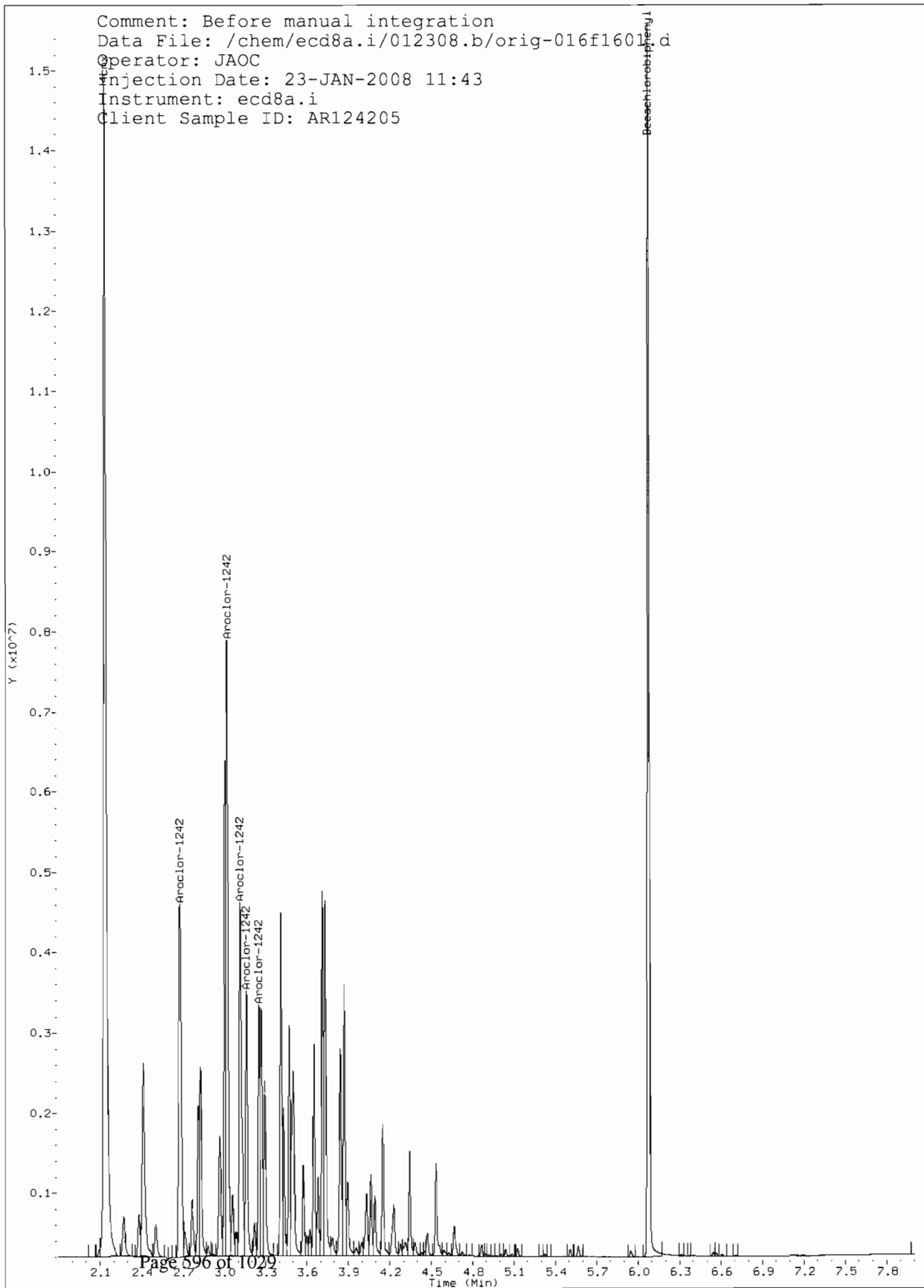
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Comment: Manually Integrated
Data File: /chem/ecd8a.i/012308.b/016f1601.d
Operator: JAOC
Injection Date: 23-JAN-2008 11:43
Instrument: ecd8a.i
Client Sample ID: AR124205



Comment: Before manual integration
Data File: /chem/ecd8a.i/012308.b/orig-016f1601.d
Operator: JAOC
Injection Date: 23-JAN-2008 11:43
Instrument: ecd8a.i
Client Sample ID: AR124205



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012308.b/016b1601.d
Lab Smp Id: IAR080102-01 42 Client Smp ID: AR124205
Inj Date : 23-JAN-2008 11:43
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |IAR080102-01 42
Misc Info :
Comment :
Method : /chem/ecd8a.i/012308.b/ECD8-B-8082-121207.m
Meth Date : 24-Jan-2008 08:00 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d
Als bottle: 16 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.346	2.347	-0.001	17193839	400.000	332	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.660	6.660	0.000	12182568	400.000	313	80.00-	120.00	100.00

4 Aroclor-1242					CAS #: 53469-21-9			
3.407	3.408	-0.001	6819055	4000.00	3480	80.00-	120.00	100.00 (M)
3.506	3.507	-0.001	4112058	4000.00	3280	41.84-	81.84	60.30
3.583	3.583	0.000	2566708	4000.00	3490	16.93-	56.93	37.64
3.852	3.851	0.001	3460176	4000.00	3350	29.05-	69.05	50.74
4.127	4.127	0.000	3555989	4000.00	3440	0.00-	28.07	52.15
Average of Peak Amounts =					3.41e+03			

QC Flag Legend

M - Compound response manually integrated.

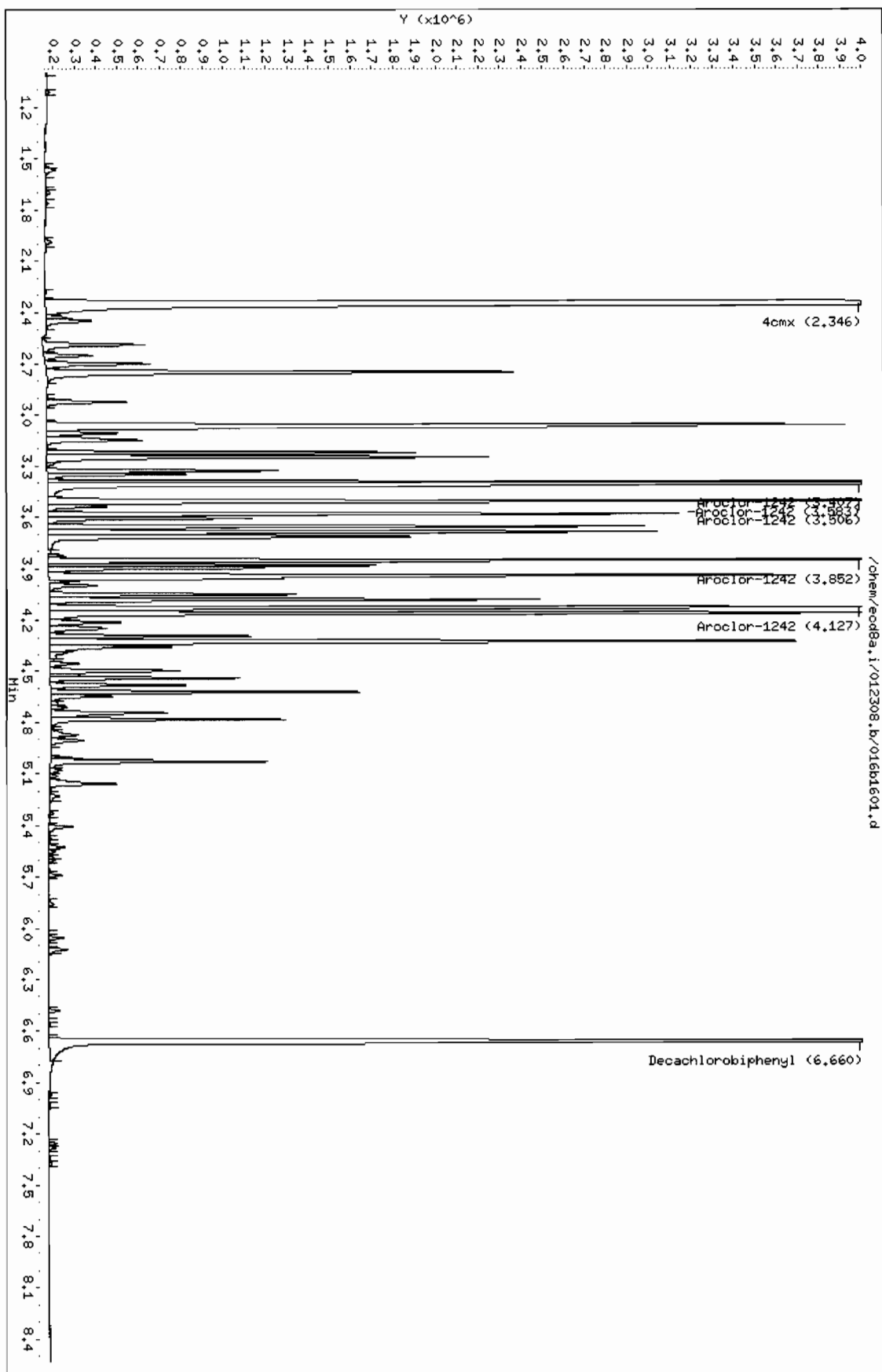
Data File: /chem/ecd8a.i/012308.b/016b1601.d
Date : 23-JAN-2008 11:43
Client ID: AR124205
Sample Info: 11AR080102-01 42

Instrument: ecd8a.i

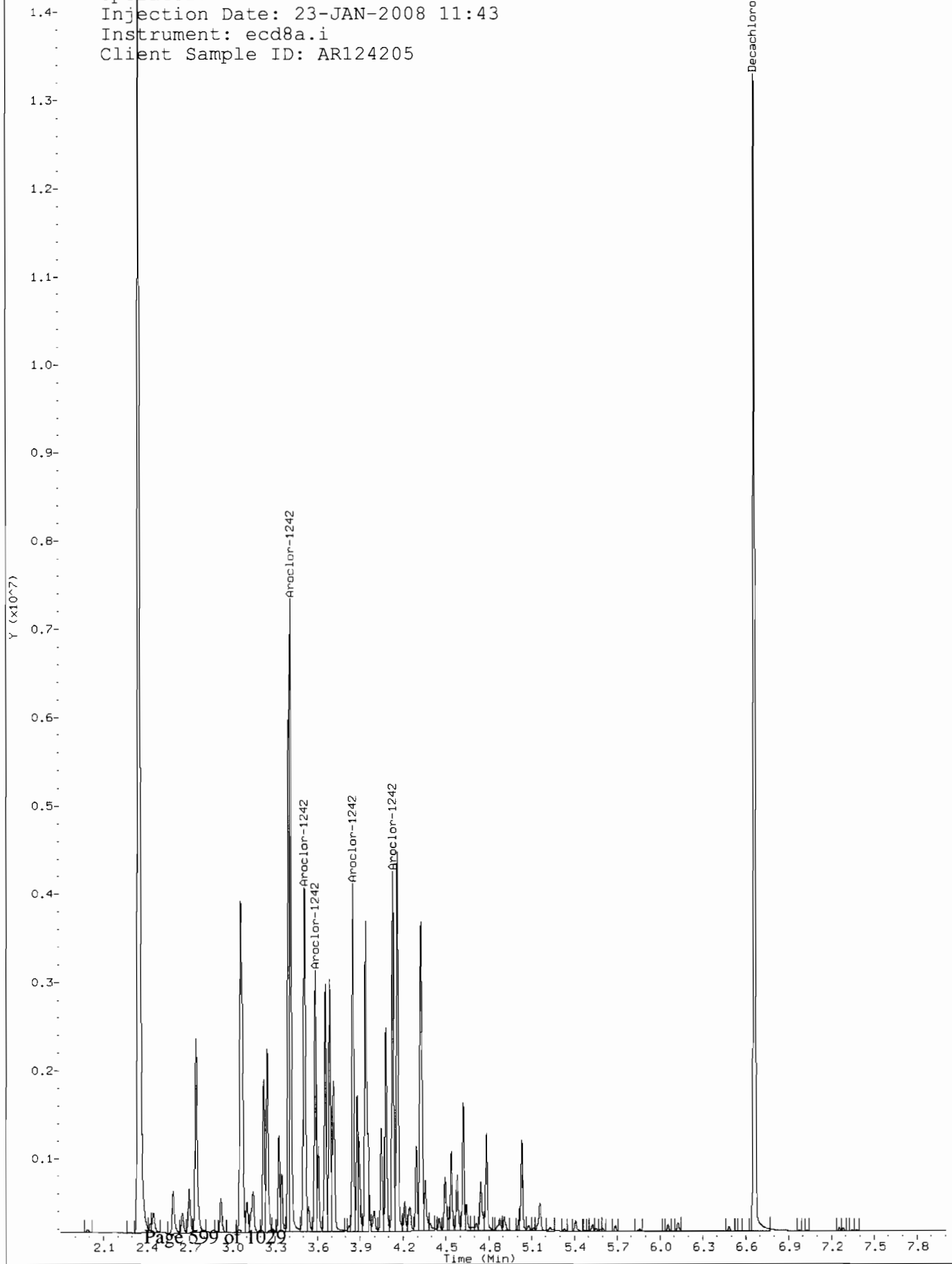
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Column phase: CLP2

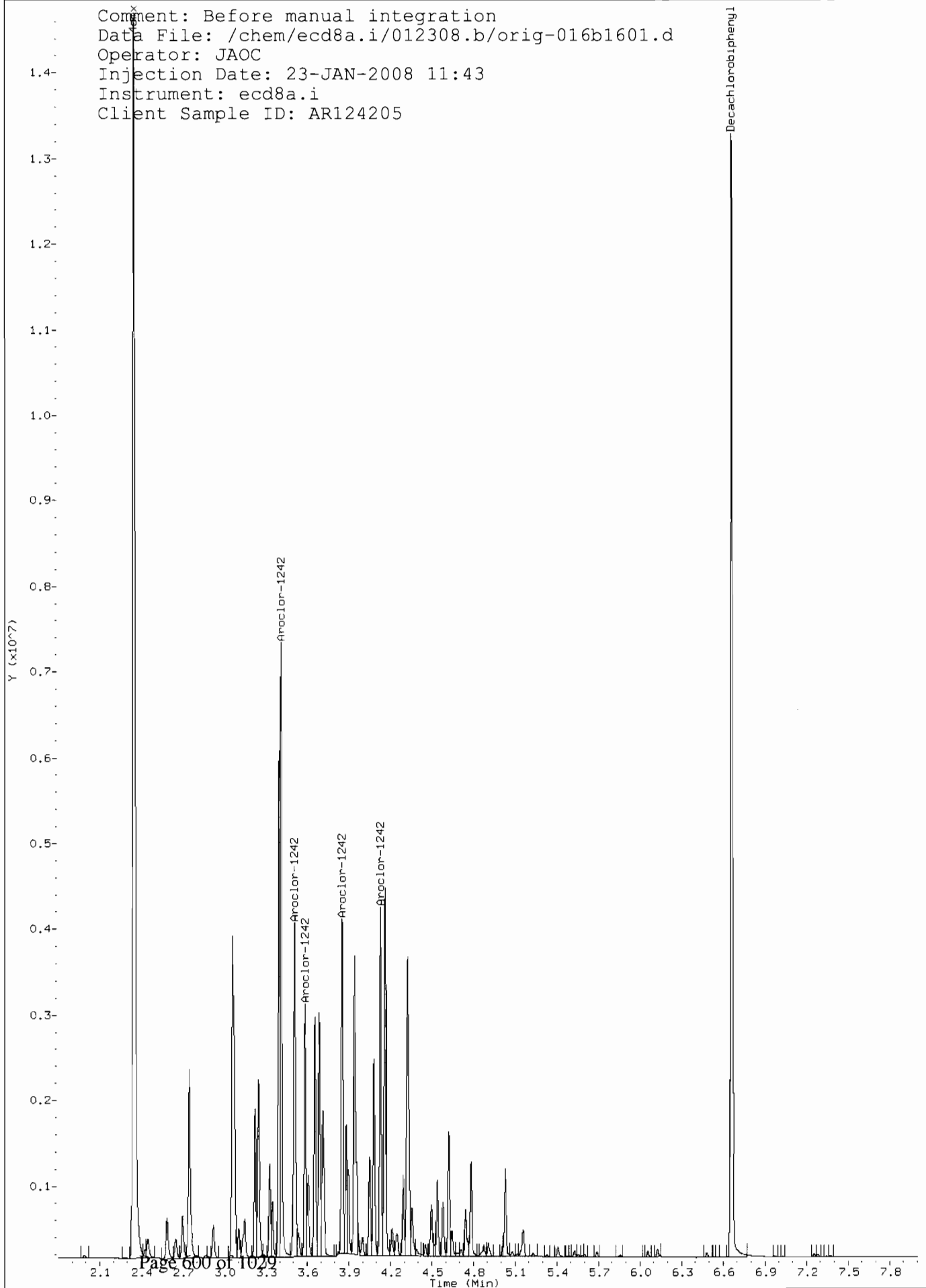
Operator: JADC
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012308.b/016b1601.d
Operator: JAOC
Injection Date: 23-JAN-2008 11:43
Instrument: ecd8a.i
Client Sample ID: AR124205



Comment: Before manual integration
Data File: /chem/ecd8a.i/012308.b/orig-016b1601.d
Operator: JAOC
Injection Date: 23-JAN-2008 11:43
Instrument: ecd8a.i
Client Sample ID: AR124205



FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD8A Calibration Date: 01/22/08 Time: 0902
 Lab File ID: 002F0201 Init. Calib. Date(s): 01/21/08 01/21/08
 Heated Purge: (Y/N) N Init. Calib. Times: 1139 1229
 GC Column: CLP1 ID: 0.25 (mm)

COMPOUND	RRF	RRF 1000	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Aroclor-1016	4318.215	3731.134	0.01	-13.6	15.0
(2)	2379.992	2198.679	0.01	-7.6	15.0
(3)	1172.493	1071.163	0.01	-8.6	15.0
(4)	1448.538	1327.317	0.01	-8.4	15.0
(5)	2542.113	2325.005	0.01	-8.5	15.0
Aroclor-1260	4990.196	4817.455	0.01	-3.5	15.0
(2)	5426.576	5261.047	0.01	-3.0	15.0
(3)	2473.842	2378.976	0.01	-3.8	15.0
(4)	2697.437	2609.900	0.01	-3.2	15.0
(5)	5040.634	4897.832	0.01	-2.8	15.0
=====	=====	=====	=====	=====	=====
4cmx	76352.116	70032.120	0.01	-8.3	15.0
Decachlorobiphenyl	31546.272	27928.710	0.01	-11.5	15.0
=====	=====	=====	=====	=====	=====

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD8A Calibration Date: 01/22/08 Time: 0902
 Lab File ID: 002B0201 Init. Calib. Date(s): 01/21/08 01/21/08
 Heated Purge: (Y/N) N Init. Calib. Times: 1139 1229
 GC Column: CLP2 ID: 0.25 (mm)

COMPOUND	RRF	RRF 1000	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Aroclor-1016	1709.073	1609.379	0.01	-5.8	15.0
(2)	1015.758	962.617	0.01	-5.2	15.0
(3)	1077.997	997.188	0.01	-7.5	15.0
(4)	1107.563	1035.526	0.01	-6.5	15.0
(5)	1398.885	1317.860	0.01	-5.8	15.0
Aroclor-1260	2544.561	2511.978	0.01	-1.3	15.0
(2)	3039.114	2989.933	0.01	-1.6	15.0
(3)	2899.032	2916.847	0.01	0.6	15.0
(4)	3895.750	3930.120	0.01	0.9	15.0
(5)	2630.305	2616.400	0.01	-0.5	15.0
=====	=====	=====	=====	=====	=====
4cmx	53555.492	53673.470	0.01	0.2	15.0
Decachlorobiphenyl	22833.444	20758.390	0.01	-9.1	15.0

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD8A Calibration Date: 01/22/08 Time: 1157
 Lab File ID: 016F1601 Init. Calib. Date(s): 01/21/08 01/21/08
 Heated Purge: (Y/N) N Init. Calib. Times: 1139 1229
 GC Column: CLP1 ID: 0.25 (mm)

COMPOUND	RRF	RRF 1000	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Aroclor-1016	4318.215	3709.392	0.01	-14.1	15.0
(2)	2379.992	2153.893	0.01	-9.5	15.0
(3)	1172.493	1070.390	0.01	-8.7	15.0
(4)	1448.538	1258.038	0.01	-13.2	15.0
(5)	2542.113	2269.596	0.01	-10.7	15.0
Aroclor-1260	4990.196	4756.848	0.01	-4.7	15.0
(2)	5426.576	5200.839	0.01	-4.2	15.0
(3)	2473.842	2363.995	0.01	-4.4	15.0
(4)	2697.437	2616.374	0.01	-3.0	15.0
(5)	5040.634	4988.818	0.01	-1.0	15.0
=====	=====	=====	=====	=====	=====
4cmx	76352.116	67920.360	0.01	-11.0	15.0
Decachlorobiphenyl	31546.272	30260.890	0.01	-4.1	15.0

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD8A Calibration Date: 01/22/08 Time: 1157
 Lab File ID: 016B1601 Init. Calib. Date(s): 01/21/08 01/21/08
 Heated Purge: (Y/N) N Init. Calib. Times: 1139 1229
 GC Column: CLP2 ID: 0.25 (mm)

COMPOUND	RRF	RRF 1000	MIN RRF	%D	MAX %D
Aroclor-1016	1709.073	1575.712	0.01	-7.8	15.0
(2)	1015.758	940.935	0.01	-7.4	15.0
(3)	1077.997	974.134	0.01	-9.6	15.0
(4)	1107.563	1012.040	0.01	-8.6	15.0
(5)	1398.885	1284.118	0.01	-8.2	15.0
Aroclor-1260	2544.561	2491.448	0.01	-2.1	15.0
(2)	3039.114	2998.803	0.01	-1.3	15.0
(3)	2899.032	2948.131	0.01	1.7	15.0
(4)	3895.750	4022.918	0.01	3.3	15.0
(5)	2630.305	2707.467	0.01	2.9	15.0
4cmx	53555.492	52303.410	0.01	-2.3	15.0
Decachlorobiphenyl	22833.444	22531.650	0.01	-1.3	15.0

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD8A Calibration Date: 01/22/08 Time: 1246
 Lab File ID: 020F2001 Init. Calib. Date(s): 01/21/08 01/21/08
 Heated Purge: (Y/N) N Init. Calib. Times: 1139 1229
 GC Column: CLP1 ID: 0.25 (mm)

COMPOUND	RRF	RRF 1000	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Aroclor-1016	4318.215	3791.694	0.01	-12.2	15.0
(2)	2379.992	2148.318	0.01	-9.7	15.0
(3)	1172.493	1023.513	0.01	-12.7	15.0
(4)	1448.538	1304.073	0.01	-10.0	15.0
(5)	2542.113	2270.078	0.01	-10.7	15.0
Aroclor-1260	4990.196	4785.520	0.01	-4.1	15.0
(2)	5426.576	5300.890	0.01	-2.3	15.0
(3)	2473.842	2384.688	0.01	-3.6	15.0
(4)	2697.437	2627.531	0.01	-2.6	15.0
(5)	5040.634	5086.225	0.01	0.9	15.0
=====	=====	=====	=====	=====	=====
4cmx	76352.116	68436.220	0.01	-10.4	15.0
Decachlorobiphenyl	31546.272	32241.370	0.01	2.2	15.0

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD8A Calibration Date: 01/22/08 Time: 1246
 Lab File ID: 020B2001 Init. Calib. Date(s): 01/21/08 01/21/08
 Heated Purge: (Y/N) N Init. Calib. Times: 1139 1229
 GC Column: CLP2 ID: 0.25 (mm)

COMPOUND	RRF	RRF 1000	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Aroclor-1016	1709.073	1583.393	0.01	-7.4	15.0
(2)	1015.758	942.688	0.01	-7.2	15.0
(3)	1077.997	981.311	0.01	-9.0	15.0
(4)	1107.563	1008.184	0.01	-9.0	15.0
(5)	1398.885	1292.084	0.01	-7.6	15.0
Aroclor-1260	2544.561	2497.709	0.01	-1.8	15.0
(2)	3039.114	3009.475	0.01	-1.0	15.0
(3)	2899.032	2969.601	0.01	2.4	15.0
(4)	3895.750	4101.464	0.01	5.3	15.0
(5)	2630.305	2783.873	0.01	5.8	15.0
=====	=====	=====	=====	=====	=====
4cmx	53555.492	52371.440	0.01	-2.2	15.0
Decachlorobiphenyl	22833.444	24180.730	0.01	5.9	15.0
=====	=====	=====	=====	=====	=====

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD8A Calibration Date: 01/25/08 Time: 0732
 Lab File ID: 002F0201 Init. Calib. Date(s): 01/23/08 01/23/08
 Heated Purge: (Y/N) N Init. Calib. Times: 0939 1029
 GC Column: CLP1 ID: 0.25 (mm)

COMPOUND	RRF	RRF 1000	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Aroclor-1016	3136.501	3040.401	0.01	-3.1	15.0
(2)	2084.037	1922.641	0.01	-7.7	15.0
(3)	1096.822	1007.162	0.01	-8.2	15.0
(4)	1178.435	1072.851	0.01	-9.0	15.0
(5)	1546.583	1421.118	0.01	-8.1	15.0
Aroclor-1260	4324.087	4371.926	0.01	1.1	15.0
(2)	4939.678	4970.937	0.01	0.6	15.0
(3)	2232.435	2240.671	0.01	0.4	15.0
(4)	2509.593	2538.692	0.01	1.2	15.0
(5)	5173.805	5325.368	0.01	2.9	15.0
=====	=====	=====	=====	=====	=====
4cmx	65952.738	63266.630	0.01	-4.1	15.0
Decachlorobiphenyl	48042.742	47946.880	0.01	-0.2	15.0

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD8A Calibration Date: 01/25/08 Time: 0732
 Lab File ID: 002B0201 Init. Calib. Date(s): 01/23/08 01/23/08
 Heated Purge: (Y/N) N Init. Calib. Times: 0939 1029
 GC Column: CLP2 ID: 0.25 (mm)

COMPOUND	RRF	RRF 1000	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Aroclor-1016	1616.590	1498.269	0.01	-7.3	15.0
(2)	958.033	889.520	0.01	-7.2	15.0
(3)	1005.362	919.499	0.01	-8.5	15.0
(4)	1038.135	954.203	0.01	-8.1	15.0
(5)	1306.732	1205.963	0.01	-7.7	15.0
Aroclor-1260	2386.193	2355.552	0.01	-1.3	15.0
(2)	2896.233	2911.719	0.01	0.5	15.0
(3)	2882.544	2934.940	0.01	1.8	15.0
(4)	4442.071	4599.746	0.01	3.5	15.0
(5)	3231.517	3305.821	0.01	2.3	15.0
=====	=====	=====	=====	=====	=====
4cmx	51791.240	51869.740	0.01	0.2	15.0
Decachlorobiphenyl	38949.015	38770.970	0.01	-0.4	15.0
=====	=====	=====	=====	=====	=====

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD8A Calibration Date: 01/25/08 Time: 0757
 Lab File ID: 004F0401 Init. Calib. Date(s): 01/23/08 01/23/08
 Heated Purge: (Y/N) N Init. Calib. Times: 1053 1143
 GC Column: CLP1 ID: 0.25 (mm)

COMPOUND	RRF	RRF 1000	MIN RRF	%D	MAX %D
Aroclor-1242	1987.609	1769.394	0.01	-11.0	15.0
(2)	2422.314	2340.963	0.01	-3.4	15.0
(3)	1601.199	1479.932	0.01	-7.6	15.0
(4)	981.951	943.837	0.01	-3.9	15.0
(5)	821.596	739.355	0.01	-10.0	15.0
4cmx	65952.738	66193.320	0.01	0.4	15.0
Decachlorobiphenyl	48042.742	48328.750	0.01	0.6	15.0

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD8A Calibration Date: 01/25/08 Time: 0757
 Lab File ID: 004B0401 Init. Calib. Date(s): 01/23/08 01/23/08
 Heated Purge: (Y/N) N Init. Calib. Times: 1053 1143
 GC Column: CLP2 ID: 0.25 (mm)

COMPOUND	RRF	RRF 1000	MIN RRF	%D	MAX %D
Aroclor-1242	1970.439	1900.277	0.01	-3.6	15.0
(2)	1256.918	1180.470	0.01	-6.1	15.0
(3)	737.261	708.510	0.01	-3.9	15.0
(4)	1033.694	952.498	0.01	-7.8	15.0
(5)	1037.024	942.367	0.01	-9.1	15.0
4cmx	51791.240	55366.990	0.01	6.9	15.0
Decachlorobiphenyl	38949.015	40294.750	0.01	3.4	15.0

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD8A Calibration Date: 01/25/08 Time: 1123
 Lab File ID: 020F2001 Init. Calib. Date(s): 01/23/08 01/23/08
 Heated Purge: (Y/N) N Init. Calib. Times: 0939 1029
 GC Column: CLP1 ID: 0.25 (mm)

COMPOUND	RRF	RRF 1000	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Aroclor-1016	3136.501	3053.599	0.01	-2.6	15.0
(2)	2084.037	1924.857	0.01	-7.6	15.0
(3)	1096.822	1003.347	0.01	-8.5	15.0
(4)	1178.435	1072.125	0.01	-9.0	15.0
(5)	1546.583	1415.682	0.01	-8.5	15.0
Aroclor-1260	4324.087	4330.575	0.01	0.2	15.0
(2)	4939.678	4952.337	0.01	0.2	15.0
(3)	2232.435	2223.708	0.01	-0.4	15.0
(4)	2509.593	2517.529	0.01	0.3	15.0
(5)	5173.805	5287.492	0.01	2.2	15.0
=====	=====	=====	=====	=====	=====
4cmx	65952.738	63552.290	0.01	-3.6	15.0
Decachlorobiphenyl	48042.742	47542.110	0.01	-1.0	15.0
=====	=====	=====	=====	=====	=====

FORM VII PEST

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD8A Calibration Date: 01/25/08 Time: 1123
 Lab File ID: 020B2001 Init. Calib. Date(s): 01/23/08 01/23/08
 Heated Purge: (Y/N) N Init. Calib. Times: 0939 1029
 GC Column: CLP2 ID: 0.25 (mm)

COMPOUND	RRF	RRF 1000	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Aroclor-1016	1616.590	1501.003	0.01	-7.2	15.0
(2)	958.033	892.185	0.01	-6.9	15.0
(3)	1005.362	921.923	0.01	-8.3	15.0
(4)	1038.135	949.304	0.01	-8.6	15.0
(5)	1306.732	1194.033	0.01	-8.6	15.0
Aroclor-1260	2386.193	2350.501	0.01	-1.5	15.0
(2)	2896.233	2910.743	0.01	0.5	15.0
(3)	2882.544	2914.391	0.01	1.1	15.0
(4)	4442.071	4594.994	0.01	3.4	15.0
(5)	3231.517	3307.659	0.01	2.4	15.0
=====	=====	=====	=====	=====	=====
4cmx	51791.240	51858.410	0.01	0.1	15.0
Decachlorobiphenyl	38949.015	39210.660	0.01	0.7	15.0
=====	=====	=====	=====	=====	=====

FORM VII PEST

GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/002f0201.d

Lab Smp Id: WAR080111-60

Client Smp ID: AR166001

Inj Date : 22-JAN-2008 09:02

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |WAR080111-60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m

Meth Date : 22-Jan-2008 16:11 jen01212 Quant Type: ESTD

Cal Date : 26-DEC-2007 13:08

Cal File: 026f2601.d

Als bottle: 2

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====

S 11 4cmx					CAS #: 877-09-8		
2.138	2.138	0.000	7003212	100.000	91.7	80.00- 120.00	100.00

S 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.076	6.076	0.000	2792871	100.000	88.5	80.00- 120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2		
3.023	3.024	-0.001	3731134	1000.00	864	80.00- 120.00	100.00(M)
3.119	3.119	0.000	2198679	1000.00	924	37.23- 77.23	58.93
3.255	3.255	0.000	1071163	1000.00	914	7.67- 47.67	28.71
3.271	3.271	0.000	1327317	1000.00	916	14.30- 54.30	35.57
3.414	3.414	0.000	2325005	1000.00	914	40.18- 80.18	62.31
Average of Peak Amounts =					906		

7 Aroclor-1260					CAS #: 11096-82-5		
4.474	4.474	0.000	4817455	1000.00	965	80.00- 120.00	100.00
4.667	4.667	0.000	5261047	1000.00	969	89.71- 129.71	109.21
4.747	4.747	0.000	2378976	1000.00	962	29.09- 69.09	49.38
4.916	4.916	0.000	2609900	1000.00	968	33.65- 73.65	54.18
5.131	5.131	0.000	4897832	1000.00	972	80.25- 120.25	101.67
Average of Peak Amounts =					967		

Data File: /chem/ecd8a.i/012208.b/002f0201.d
Report Date: 22-Jan-2008 16:12

Page 2

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecdb8a.i/012208.b/002f0201.d

Date : 22-JAN-2008 09:02

Client ID: AR166001

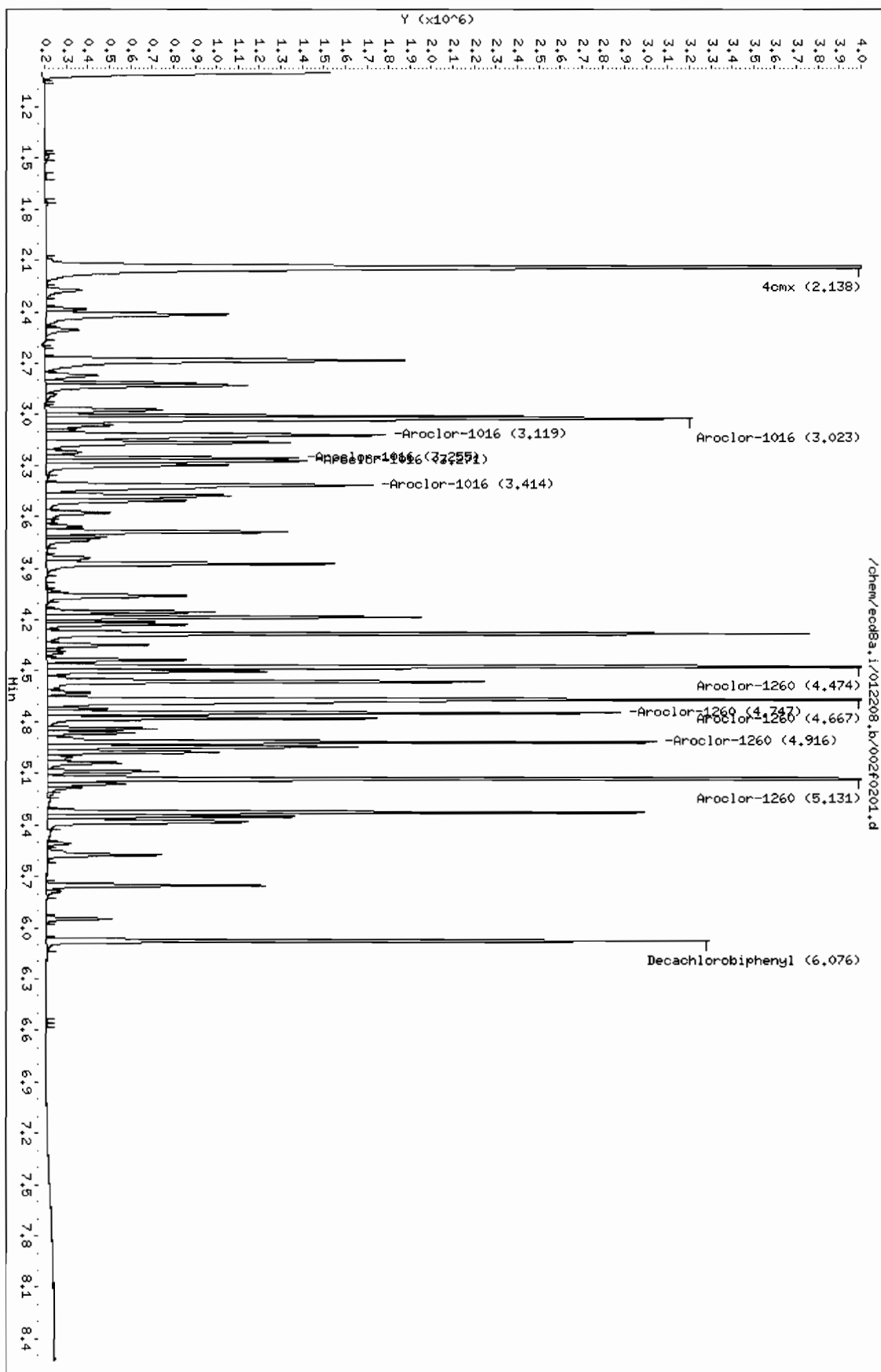
Sample Info: IMR080111-60

Instrument: ecdb8a.i

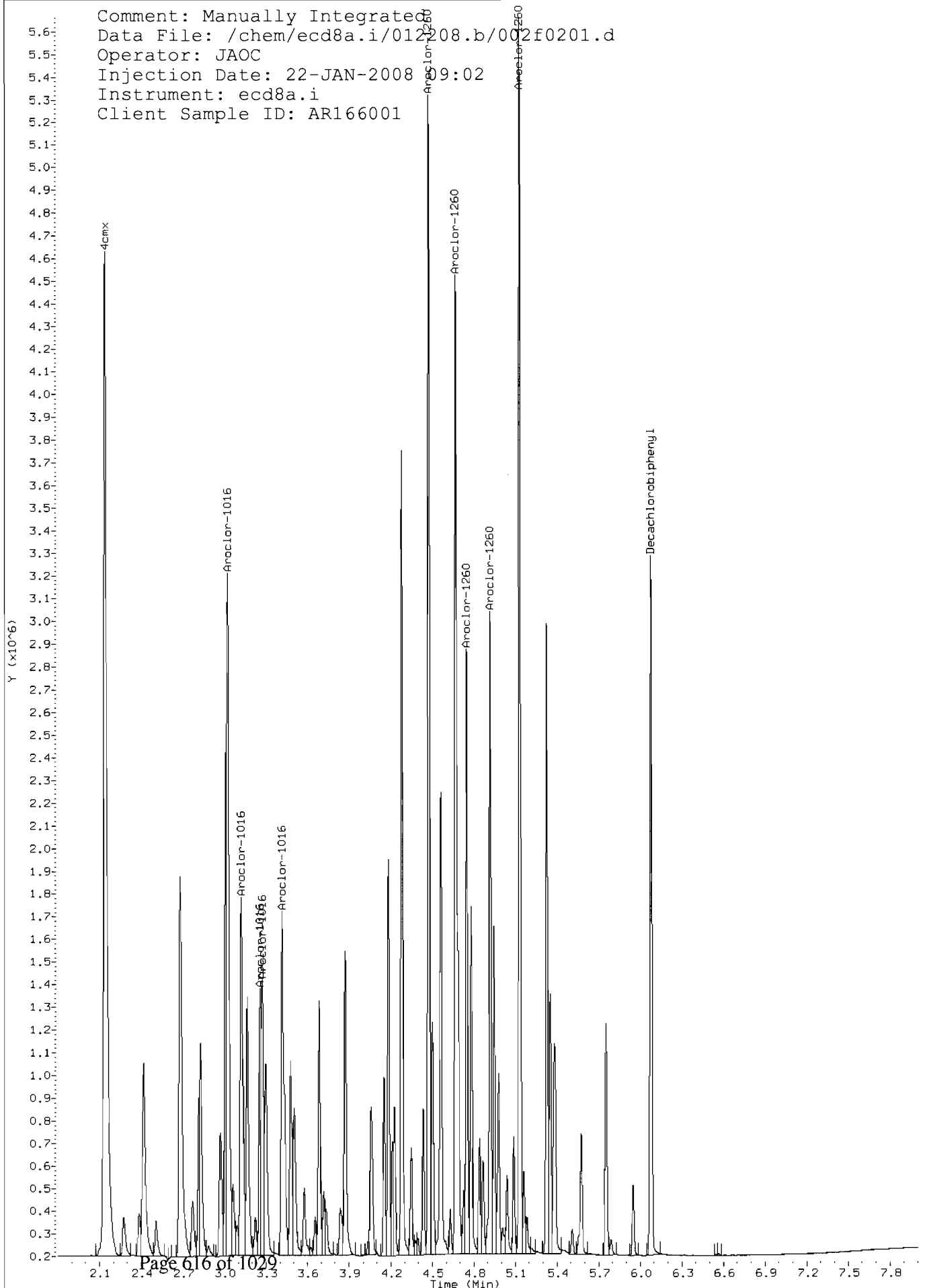
Page 1

Column Phase: CLP1

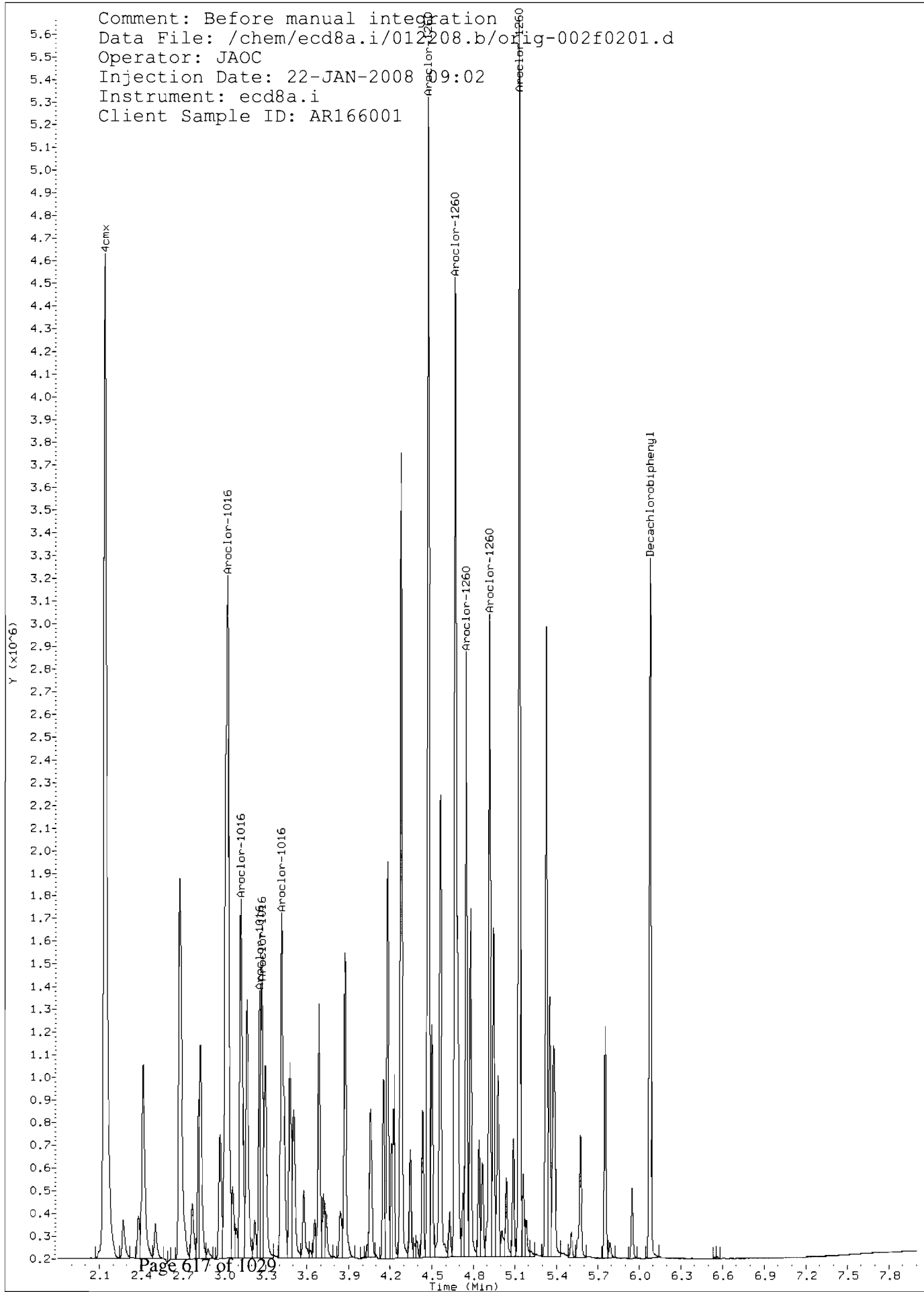
Operator: JAOC
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012908.b/002f0201.d
Operator: JAOC
Injection Date: 22-JAN-2008 09:02
Instrument: ecd8a.i
Client Sample ID: AR166001



Comment: Before manual integration
Data File: /chem/ecd8a.i/012208.b/orig-002f0201.d
Operator: JAOC
Injection Date: 22-JAN-2008 09:02
Instrument: ecd8a.i
Client Sample ID: AR166001



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/002b0201.d

Lab Smp Id: WAR080111-60 Client Smp ID: AR166001

Inj Date : 22-JAN-2008 09:02

Operator : JAOC Inst ID: ecd8a.i

Smp Info : |WAR080111-60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m

Meth Date : 22-Jan-2008 16:10 jen01212 Quant Type: ESTD

Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d

Als bottle: 2 Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: AR1660.sub

Target Version: 3.50 Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.349	2.349	0.000	5367347	100.000	100	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.660	6.660	0.000	2075839	100.000	90.9	80.00-	120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2			
3.509	3.509	0.000	1609379	1000.00	942	80.00-	120.00	100.00
3.586	3.586	0.000	962617	1000.00	948	37.23-	77.23	59.81
3.658	3.658	0.000	997188	1000.00	925	7.67-	47.67	61.96
3.689	3.689	0.000	1035526	1000.00	935	14.30-	54.30	64.34
3.854	3.854	0.000	1317860	1000.00	942	40.18-	80.18	81.89
Average of Peak Amounts =					938			

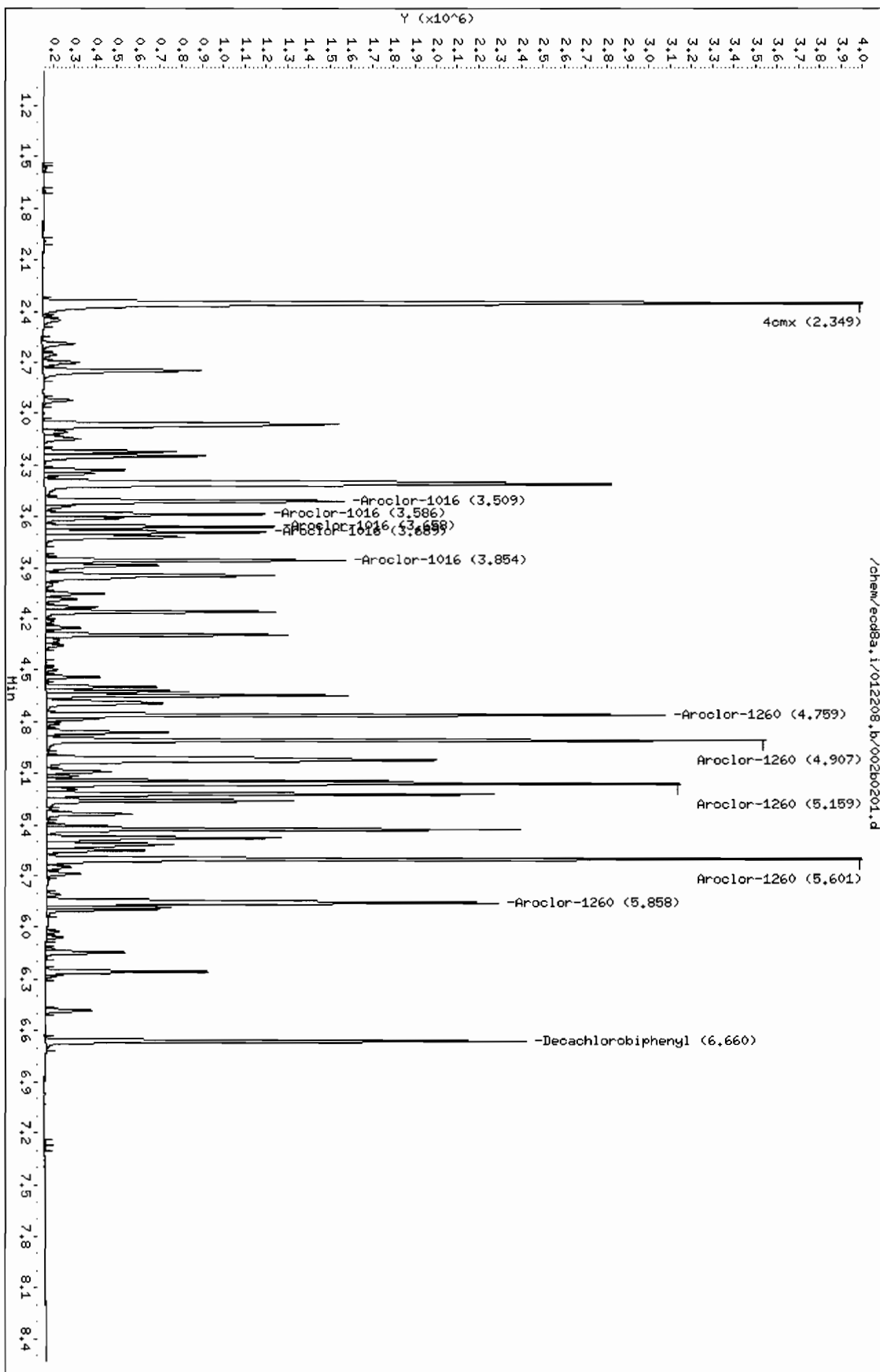
7 Aroclor-1260					CAS #: 11096-82-5			
4.759	4.759	0.000	2511978	1000.00	987	80.00-	120.00	100.00
4.907	4.907	0.000	2989933	1000.00	984	89.71-	129.71	119.03
5.159	5.159	0.000	2916847	1000.00	1010	29.09-	69.09	116.12
5.601	5.601	0.000	3930120	1000.00	1010	33.65-	73.65	156.46
5.858	5.858	0.000	2616400	1000.00	995	80.25-	120.25	104.16
Average of Peak Amounts =					996			

Data File: /chem/ecdb8a.i/012208.b/002b0201.d
Date : 22-JAN-2008 09:02
Client ID: AR166001
Sample Info: IMAR080111-60

Column phase: CLP2

Instrument: ecdb8a.i
Operator: JROC
Column diameter: 0.25

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Data File: /chem/ecd8a.i/012208.b/003f0301.d
Report Date: 22-Jan-2008 16:12

Page 1

GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012208.b/003f0301.d
Lab Smp Id: WAR071205-54 Client Smp ID: AR125401
Inj Date : 22-JAN-2008 09:14
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR071205-54
Misc Info :
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m
Meth Date : 22-Jan-2008 16:11 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026f2601.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS						
		CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 11 4cmx				CAS #: 877-09-8		
2.138	2.138	0.000	7728814	100.000	101 80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl				CAS #: 2051-24-3		
6.075	6.076	-0.001	3251410	100.000	103 80.00- 120.00	100.00

6 Aroclor-1254				CAS #: 11097-69-1		
3.687	3.687	0.000	2513958	1000.00	1070 80.00- 120.00	100.00(M)
3.719	3.719	0.000	1586301	1000.00	1140 43.10- 83.10	63.10
4.152	4.152	0.000	4211225	1000.00	1040 147.51- 187.51	167.51
4.346	4.346	0.000	3129922	1000.00	1020 104.50- 144.50	124.50
4.474	4.474	0.000	3255367	1000.00	1080 109.49- 149.49	129.49
Average of Peak Amounts =				1.07e+03		

QC Flag Legend

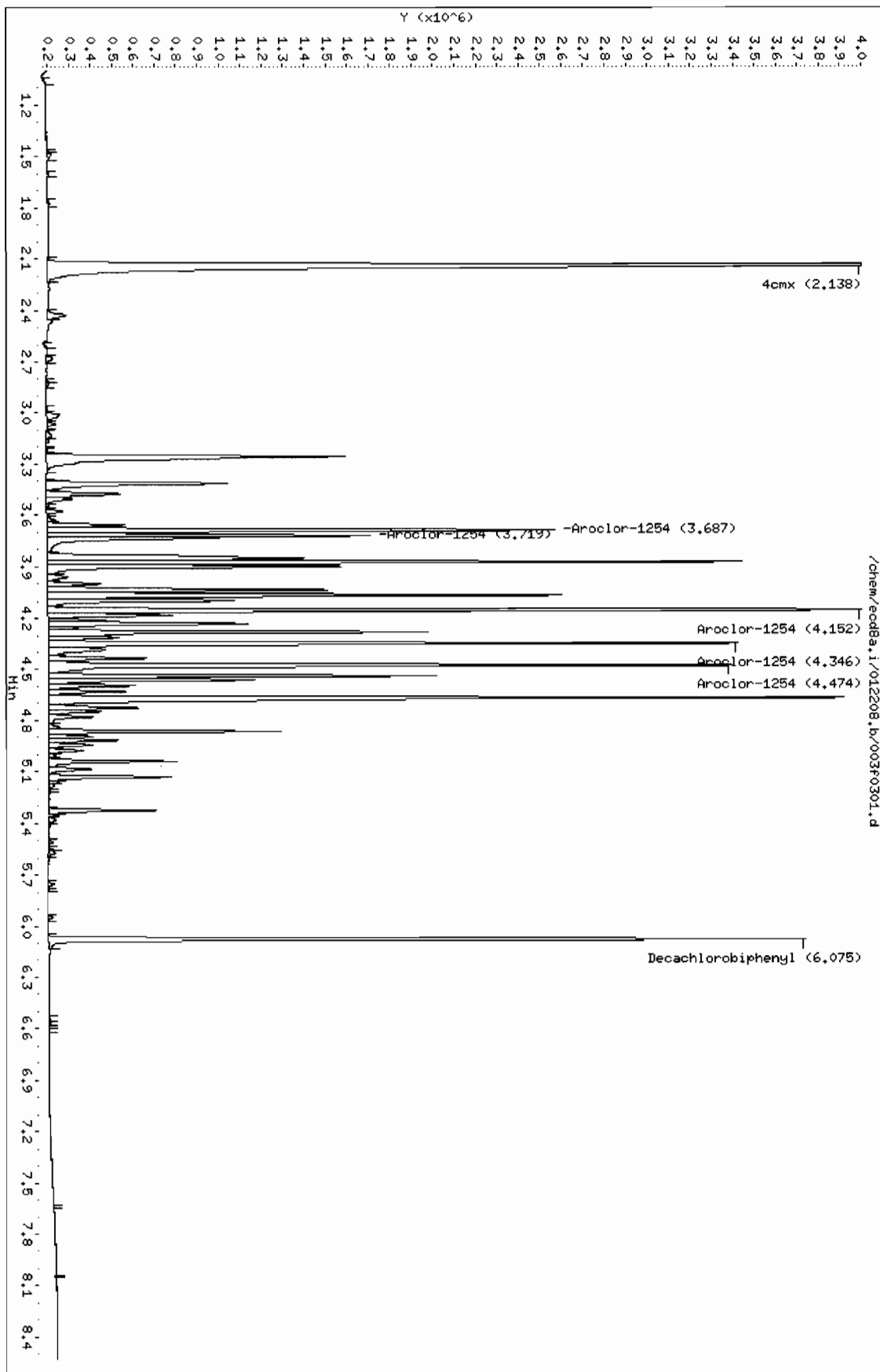
M - Compound response manually integrated.

Data File: /chem/ecdBa.i/012208.b/003f0301.d
Date : 22-JAN-2008 09:14
Client ID: AR125401
Sample Info: IMA071205-54

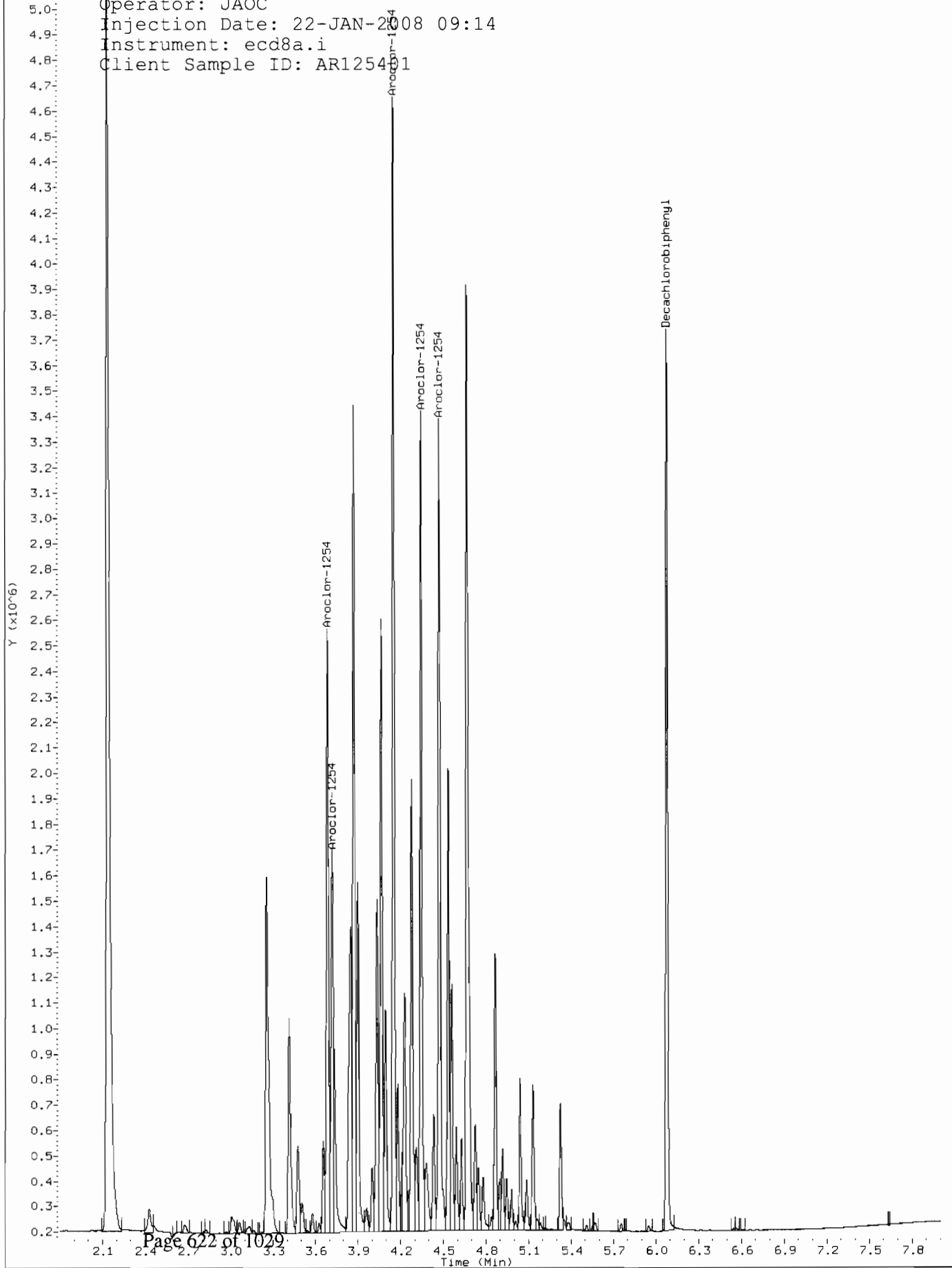
Column phase: CLP1

Instrument: ecdBa.i
Operator: JADC
Column diameter: 0.25

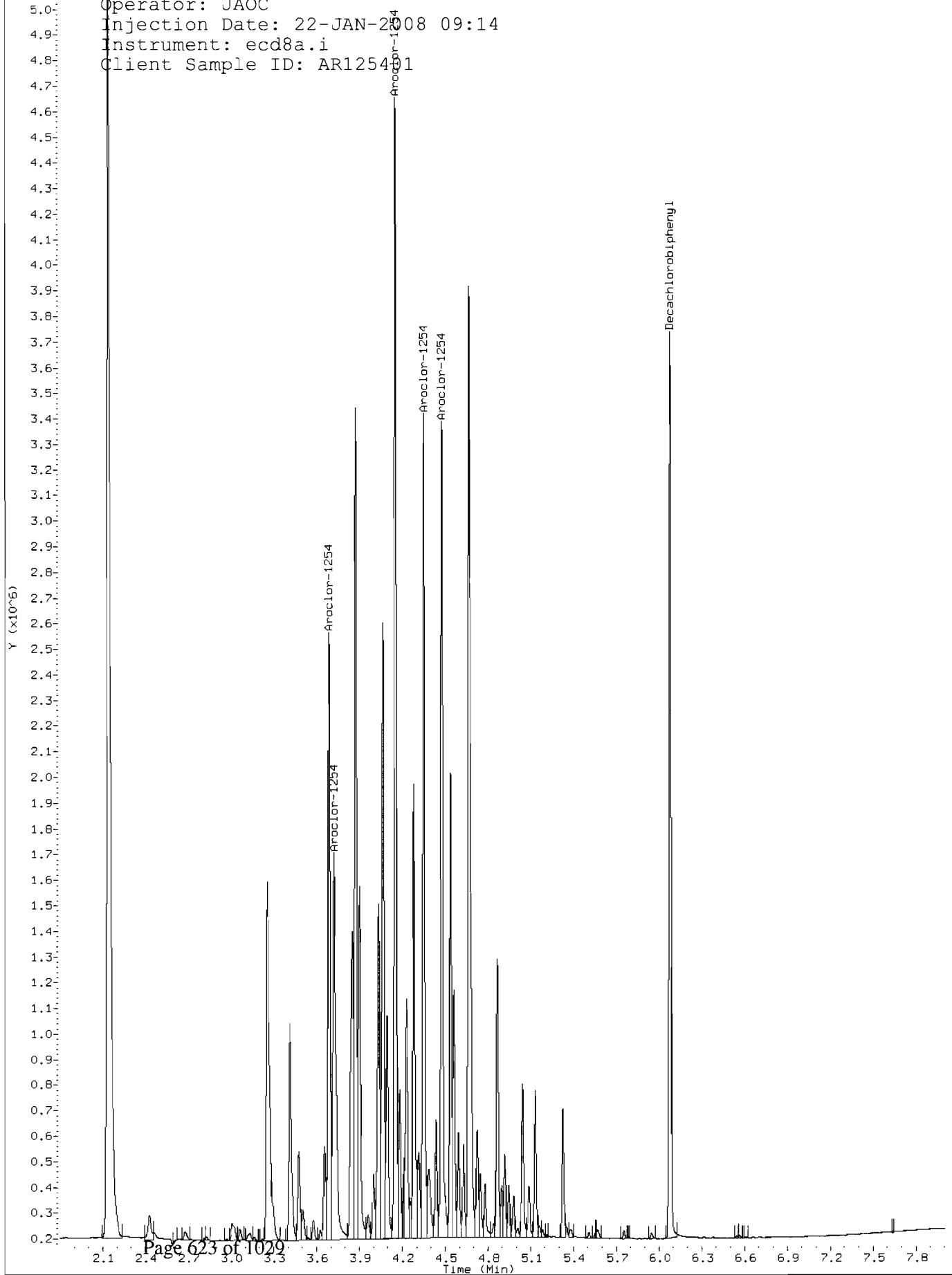
Page 1



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012208.b/003f0301.d
Operator: JAOC
Injection Date: 22-JAN-2008 09:14
Instrument: ecd8a.i
Client Sample ID: AR125481



Comment: Before manual integration
Data File: /chem/ecd8a.i/012208.b/orig-003f0301.d
Operator: JAOC
Injection Date: 22-JAN-2008 09:14
Instrument: ecd8a.i
Client Sample ID: AR125401



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012208.b/003b0301.d
Lab Smp Id: WAR071205-54 Client Smp ID: AR125401
Inj Date : 22-JAN-2008 09:14
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR071205-54
Misc Info :
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
Meth Date : 22-Jan-2008 16:10 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS						
		CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====

\$ 11 4cmx				CAS #:	877-09-8	
2.349	2.349	0.000	5973847 100.000	112	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl				CAS #:	2051-24-3	
6.660	6.660	0.000	2435280 100.000	107	80.00- 120.00	100.00

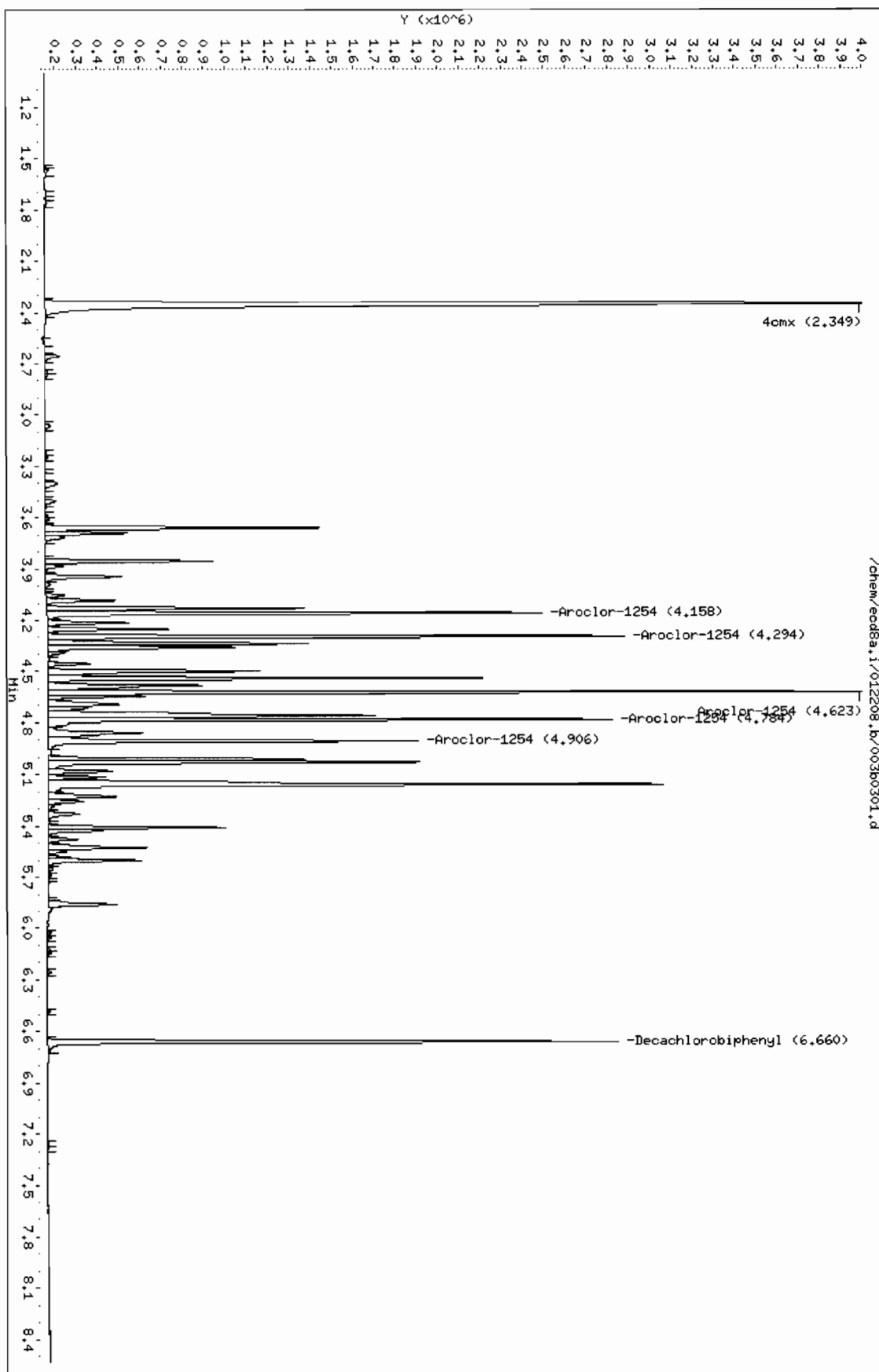
6 Aroclor-1254				CAS #:	11097-69-1	
4.158	4.158	0.000	2220452 1000.00	1000	80.00- 120.00	100.00
4.294	4.294	0.000	2426866 1000.00	987	89.30- 129.30	109.30
4.623	4.623	0.000	3303300 1000.00	985	128.77- 168.77	148.77
4.784	4.784	0.000	2402281 1000.00	976	88.19- 128.19	108.19
4.906	4.906	0.000	1626383 1000.00	990	53.25- 93.25	73.25
Average of Peak Amounts =				989		

Data File: /chem/ecd8a.i/012208.b/003b0301.d
Date : 22-JAN-2008 09:14
Client ID: AR125401
Sample Info: MM071205-54

Column phase: CLP2

Instrument: ecd8a.i
Operator: JAO
Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/004f0401.d
Lab Smp Id: WAR080104-42 Client Smp ID: AR124201
Inj Date : 22-JAN-2008 09:26
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR080104-42
Misc Info :
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m
Meth Date : 22-Jan-2008 16:11 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026f2601.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	
\$ 11 4cmx				CAS #: 877-09-8			
2.138	2.138	0.000	6744204	100.000	88.3	80.00- 120.00	100.00(M)

\$ 12 Decachlorobiphenyl				CAS #: 2051-24-3			
6.077	6.076	0.001	2784904	100.000	88.3	80.00- 120.00	100.00

4 Aroclor-1242				CAS #: 53469-21-9			
2.679	2.679	0.000	2210667	1000.00	916	80.00- 120.00	100.00(M)
3.023	3.023	0.000	4300662	1000.00	914	174.54- 214.54	194.54
3.118	3.118	0.000	1776644	1000.00	910	60.37- 100.37	80.37
3.164	3.164	0.000	1129739	1000.00	926	31.10- 71.10	51.10
3.256	3.256	0.000	829904	1000.00	924	17.54- 57.54	37.54
Average of Peak Amounts =				918			

QC Flag Legend

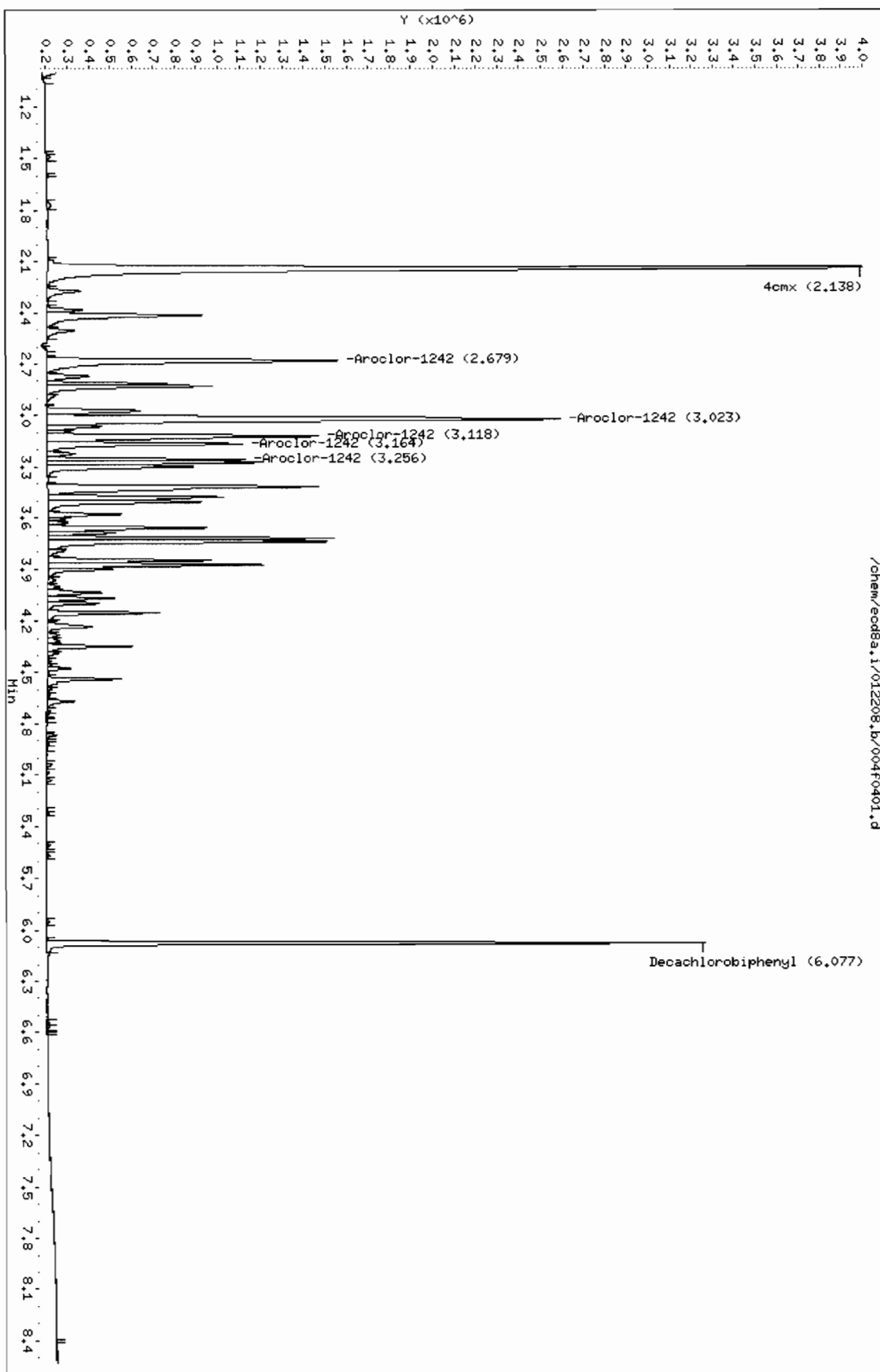
M - Compound response manually integrated.

Data File: /chem/eod8a.i/012208.b/004f0401.d
Date: 22-JAN-2008 09:26
Client ID: AR124201
Sample Info: 1MAR080104-42

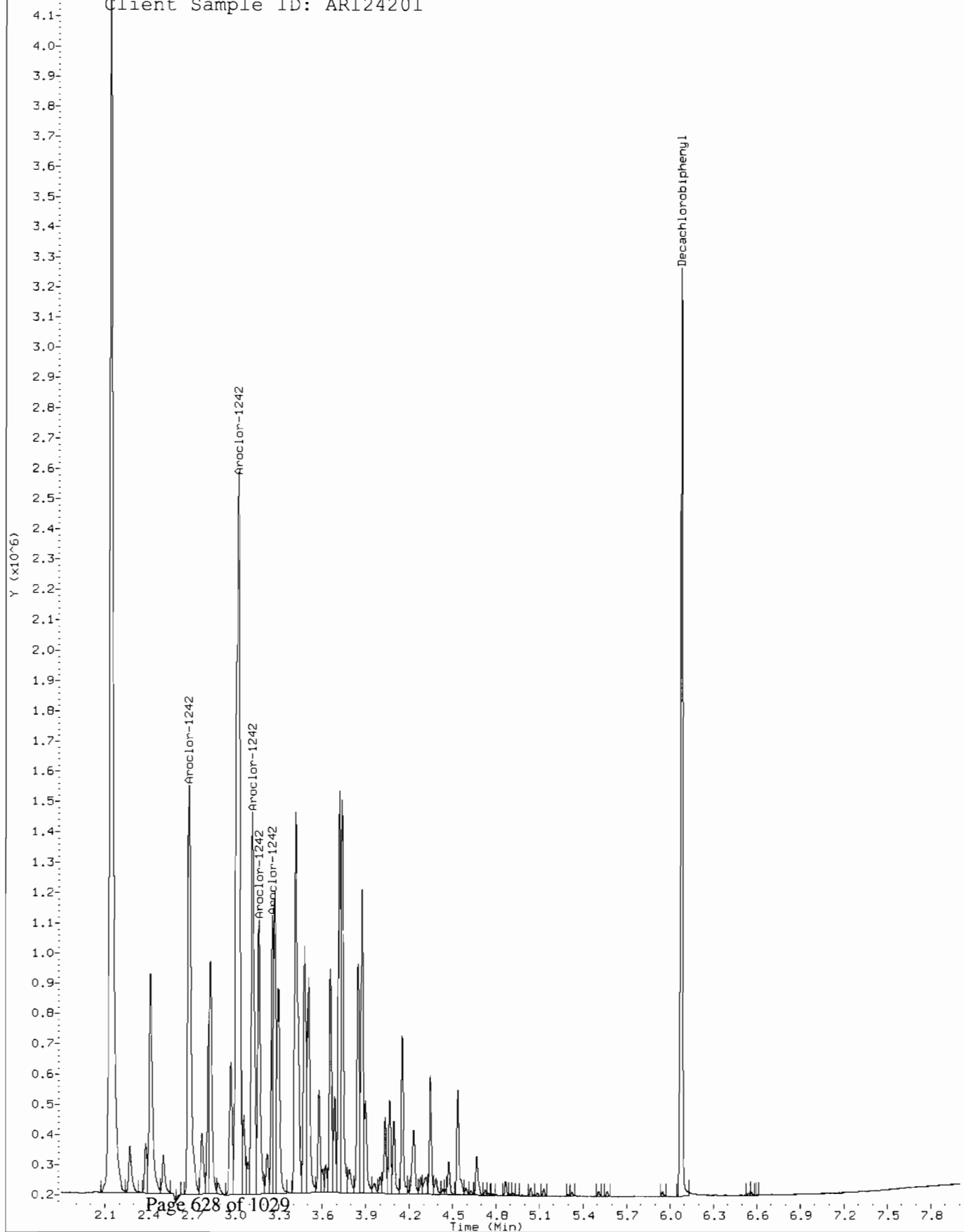
Column phase: CLP1

Instrument: eod8a.i
Operator: JHOC
Column diameter: 0.25

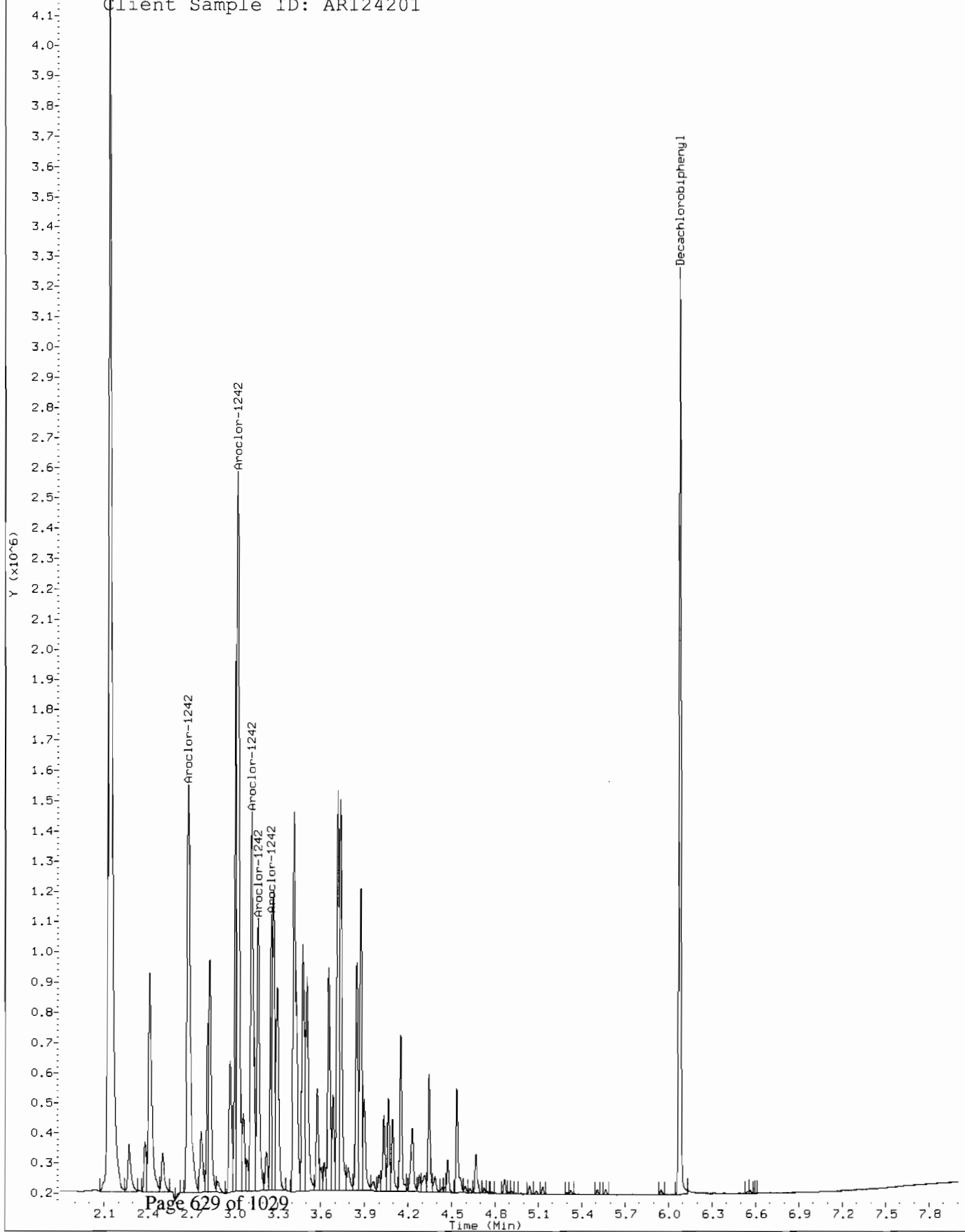
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Comment: Manually Integrated
Data File: /chem/ecd8a.i/012208.b/004f0401.d
Operator: JAOC
Injection Date: 22-JAN-2008 09:26
Instrument: ecd8a.i
Client Sample ID: AR124201



Comment: Before manual integration
Data File: /chem/ecd8a.i/012208.b/orig-004f0401.d
Operator: JAOC
Injection Date: 22-JAN-2008 09:26
Instrument: ecd8a.i
Client Sample ID: AR124201



Data File: /chem/ecd8a.i/012208.b/004b0401.d
Report Date: 22-Jan-2008 16:12

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/004b0401.d
Lab Smp Id: WAR080104-42 Client Smp ID: AR124201
Inj Date : 22-JAN-2008 09:26
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR080104-42
Misc Info :
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
Meth Date : 22-Jan-2008 16:10 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS								
			CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	

\$ 11 4cmx					CAS #: 877-09-8			
2.349	2.349	0.000	5152638	100.000	96.2	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.661	6.660	0.001	2078952	100.000	91.0	80.00-	120.00	100.00

4 Aroclor-1242					CAS #: 53469-21-9			
3.410	3.410	0.000	3341220	1000.00	933	80.00-	120.00	100.00 (M)
3.510	3.510	0.000	1290570	1000.00	905	18.63-	58.63	38.63
3.586	3.586	0.000	762180	1000.00	891	2.81-	42.81	22.81
3.854	3.854	0.000	1083779	1000.00	907	12.44-	52.44	32.44
4.130	4.130	0.000	1105769	1000.00	922	13.09-	53.09	33.09
Average of Peak Amounts =					912			

QC Flag Legend

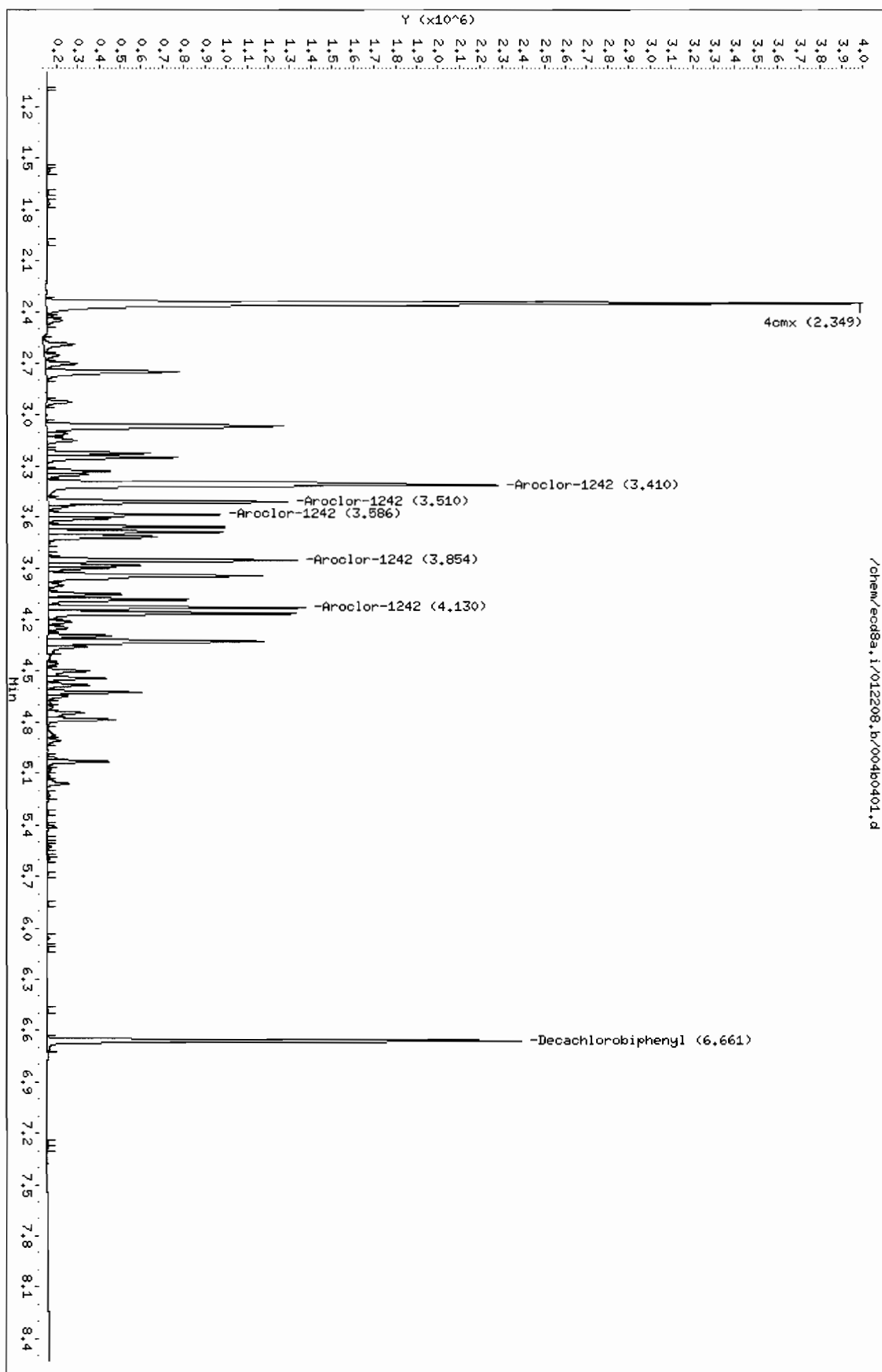
M - Compound response manually integrated.

Data File: /chem/ecd8a.i/012208.b/004b0401.d
Date : 22-JAN-2008 09:26
Client ID: AR124201
Sample Info: 14AR080104-42

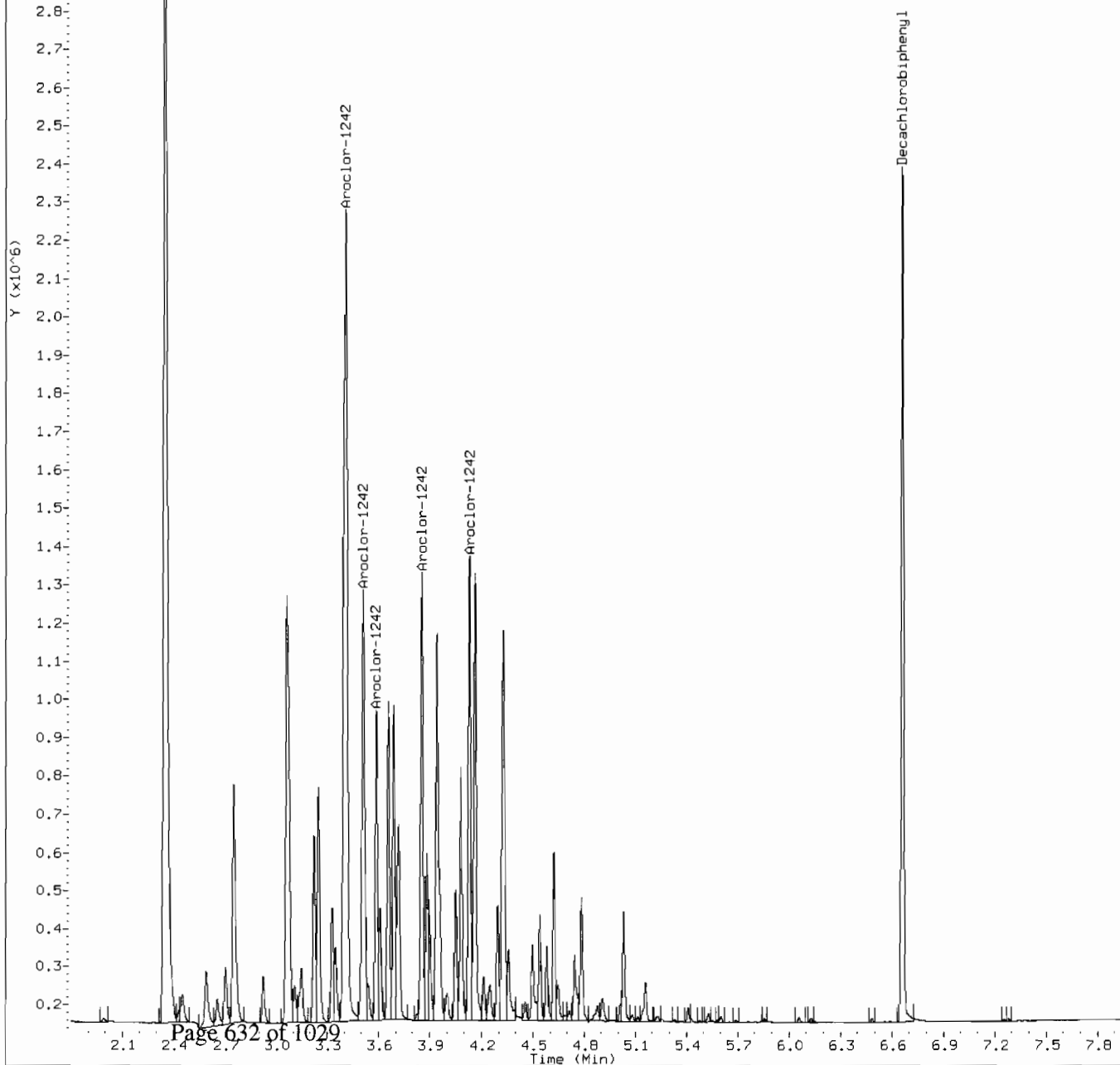
Column phase: CLP2

Instrument: ecd8a.i
Operator: JHOC
Column diameter: 0.25

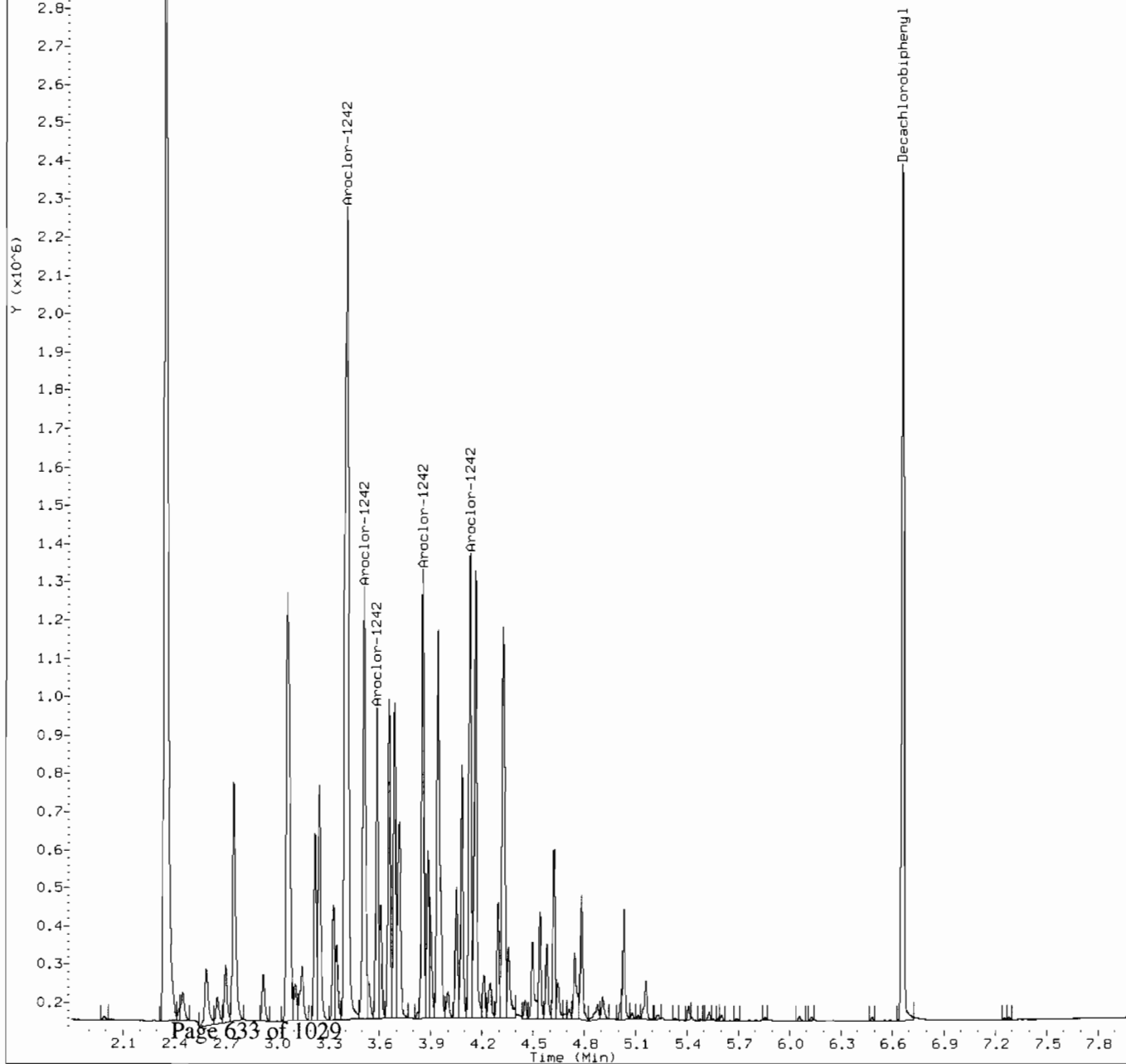
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Comment: Manually Integrated
Data File: /chem/ecd8a.i/012208.b/004b0401.d
Operator: JAOC
Injection Date: 22-JAN-2008 09:26
Instrument: ecd8a.i
Client Sample ID: AR124201



Comment: Before manual integration
Data File: /chem/ecd8a.i/012208.b/orig-004b0401.d
Operator: JAOC
Injection Date: 22-JAN-2008 09:26
Instrument: ecd8a.i
Client Sample ID: AR124201



Data File: /chem/ecd8a.i/012208.b/005f0501.d
Report Date: 22-Jan-2008 16:12

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RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/005f0501.d
Lab Smp Id: WAR080104-48 Client Smp ID: AR124801
Inj Date : 22-JAN-2008 09:38
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR080104-48
Misc Info :
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m
Meth Date : 22-Jan-2008 16:12 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026f2601.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====

\$ 11 4cmx					CAS #: 877-09-8		
2.138	2.138	0.000	7232453	100.000	94.7	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.077	6.076	0.001	3066376	100.000	97.2	80.00- 120.00	100.00

5 Aroclor-1248					CAS #: 12672-29-6		
3.255	3.255	0.000	1604674	1000.00	923	80.00- 120.00	100.00 (M)
3.271	3.271	0.000	1692903	1000.00	948	85.50- 125.50	105.50
3.476	3.476	0.000	1830245	1000.00	991	94.06- 134.06	114.06
3.719	3.719	0.000	2673990	1000.00	996	146.64- 186.64	166.64
3.737	3.737	0.000	2788407	1000.00	1010	153.77- 193.77	173.77
Average of Peak Amounts =					974		

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecod8a.i/012208.b/005f0501.d

Date : 22-JAN-2008 09:38

Client ID: AR124801

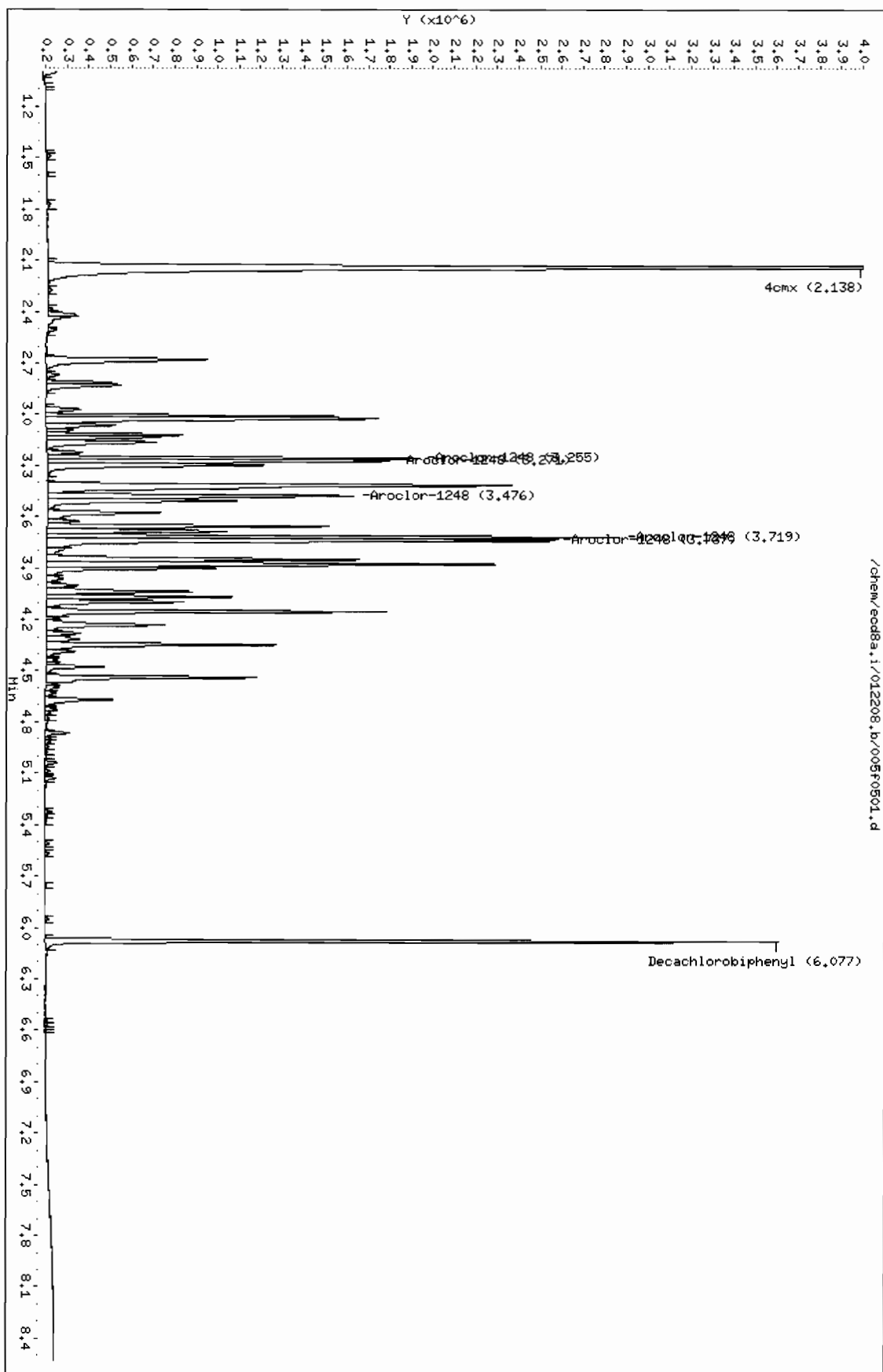
Sample Info: IWR080104-48

Column Phase: CLP1

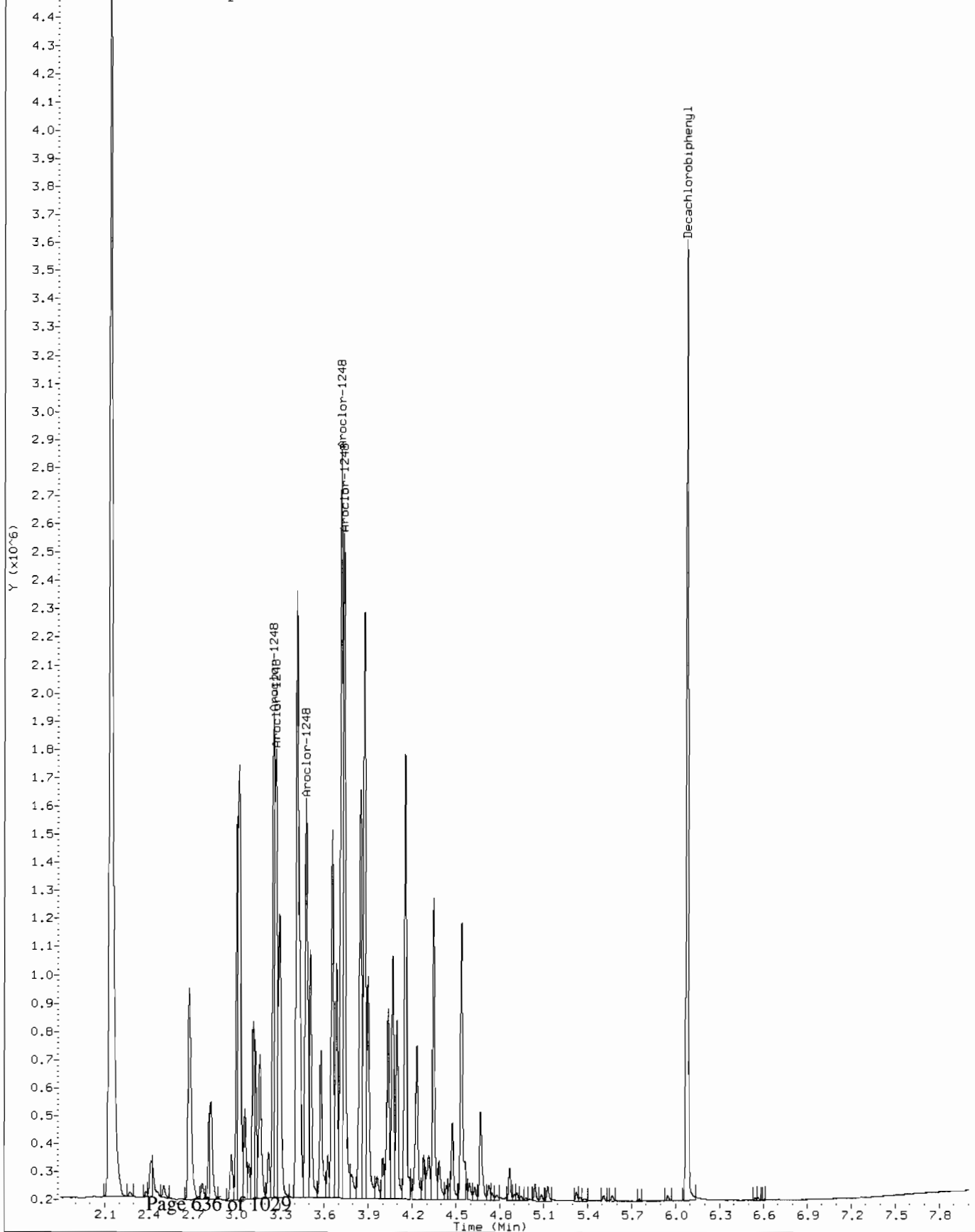
Instrument: ecod8a.i

Operator: JHOC

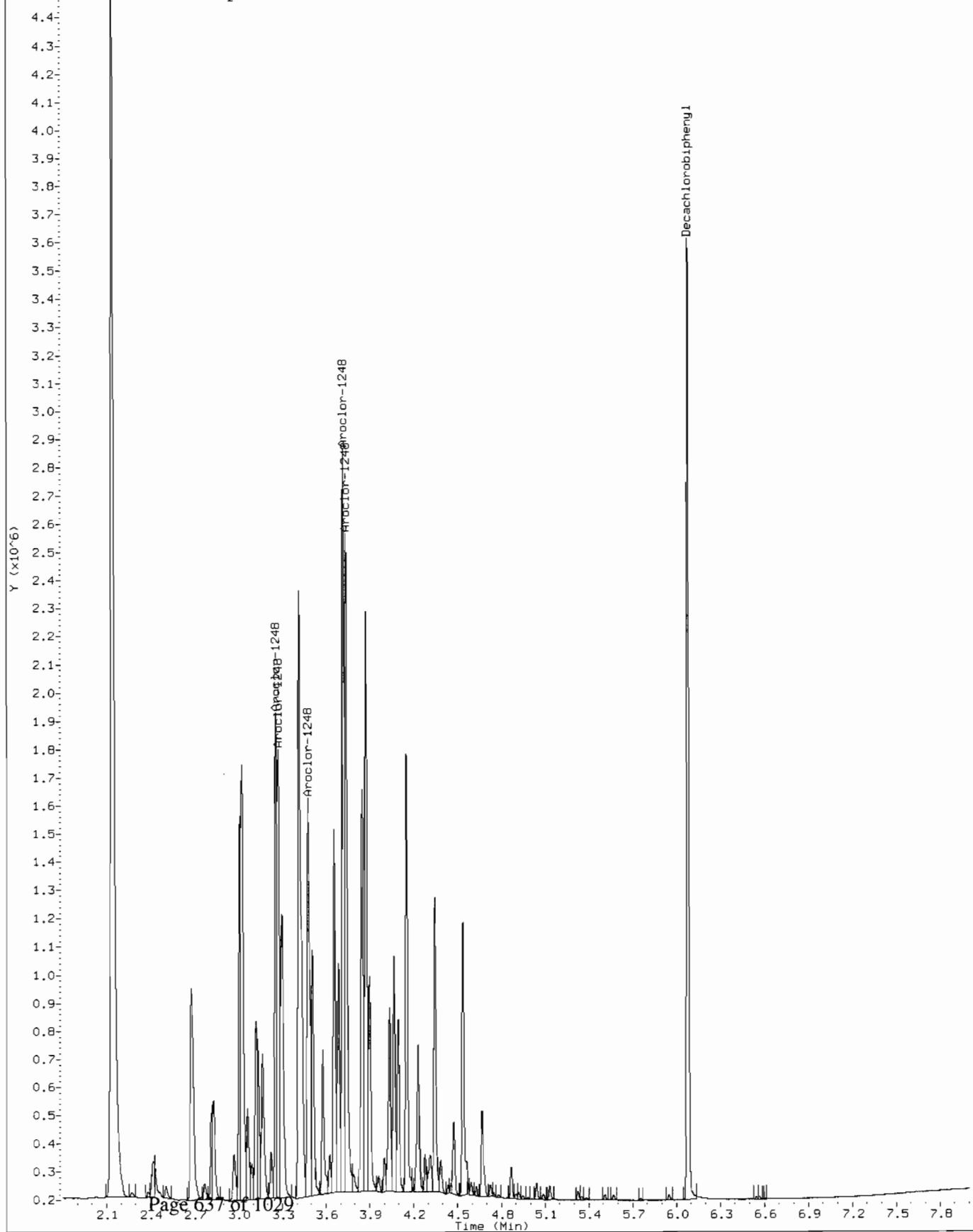
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012208.b/005f0501.d
Operator: JAOC
Injection Date: 22-JAN-2008 09:38
Instrument: ecd8a.i
Client Sample ID: AR124801



Comment: Before manual integration
Data File: /chem/ecd8a.i/012208.b/orig-005f0501.d
Operator: JAOC
Injection Date: 22-JAN-2008 09:38
Instrument: ecd8a.i
Client Sample ID: AR124801



Data File: /chem/ecd8a.i/012208.b/005b0501.d
Report Date: 22-Jan-2008 16:12

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RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012208.b/005b0501.d
Lab Smp Id: WAR080104-48 Client Smp ID: AR124801
Inj Date : 22-JAN-2008 09:38
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR080104-48
Misc Info :
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
Meth Date : 22-Jan-2008 16:10 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS								
			CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.349	2.349	0.000	5630945	100.000	105	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.661	6.660	0.001	2300761	100.000	101	80.00-	120.00	100.00 (M)

5 Aroclor-1248					CAS #: 12672-29-6			
3.658	3.658	0.000	1468378	1000.00	938	80.00-	120.00	100.00 (M)
3.854	3.854	0.000	1847560	1000.00	961	105.82-	145.82	125.82
3.944	3.944	0.000	2028612	1000.00	977	118.15-	158.15	138.15
4.130	4.130	0.000	2172941	1000.00	1000	127.98-	167.98	147.98
4.162	4.162	0.000	2384716	1000.00	986	142.40-	182.40	162.40
Average of Peak Amounts =					973			

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecd8a.i/012208.b/005b0501.d

Date : 22-JAN-2008 09:38

Client ID: AR124801

Sample Info: 1HAR080104-48

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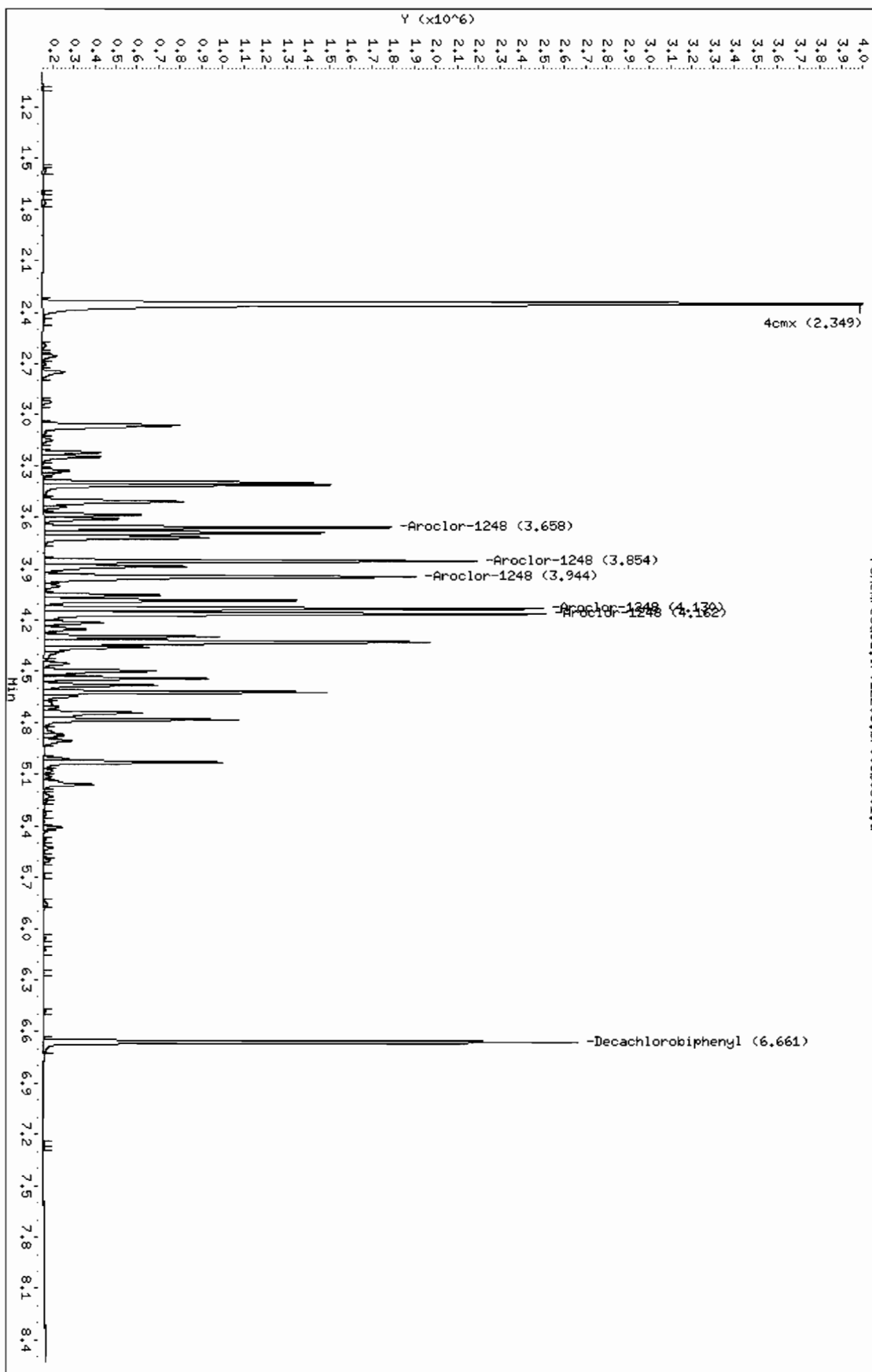
Instrument: ecd8a.i

Operator: JROC

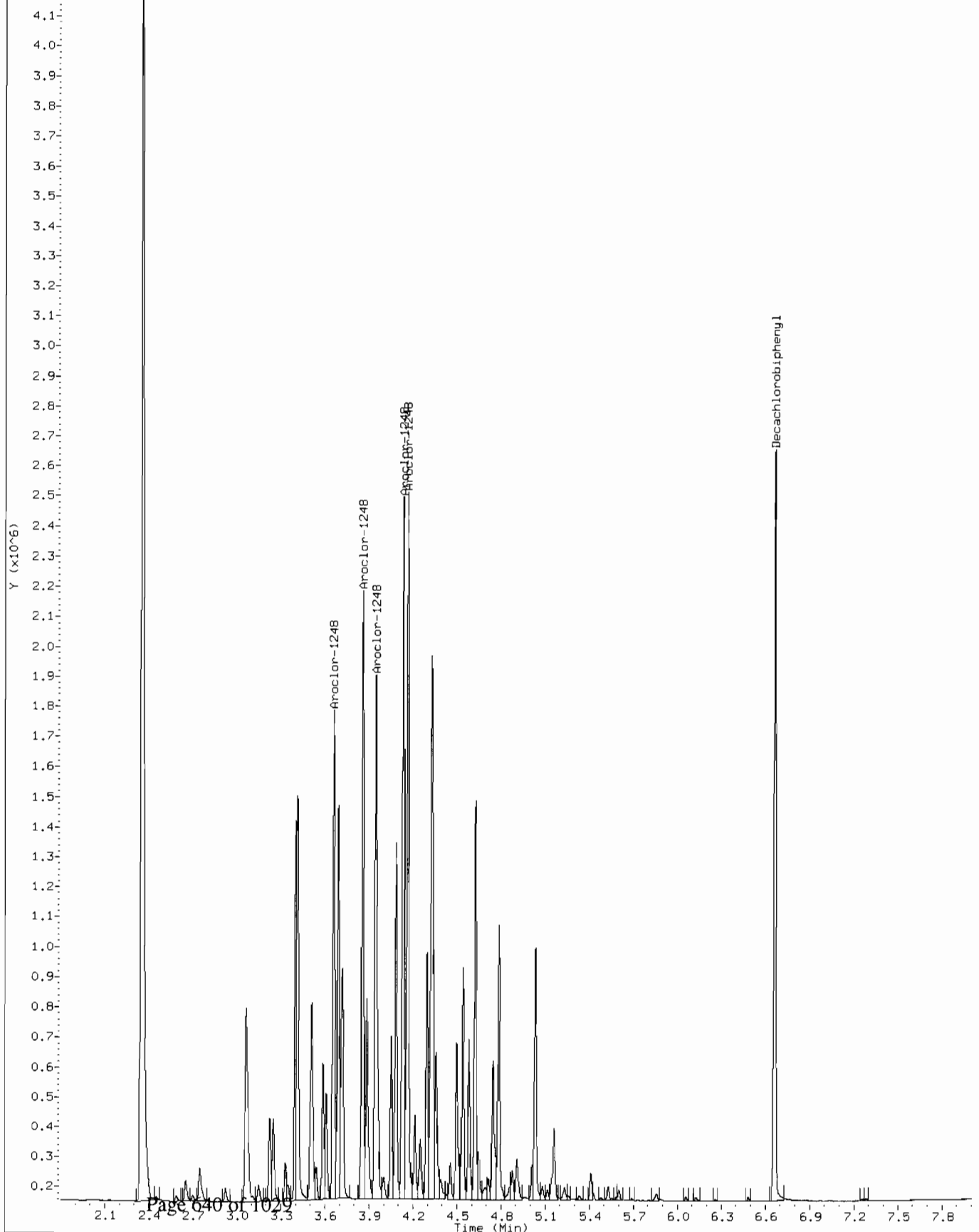
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Column phase: CLP2

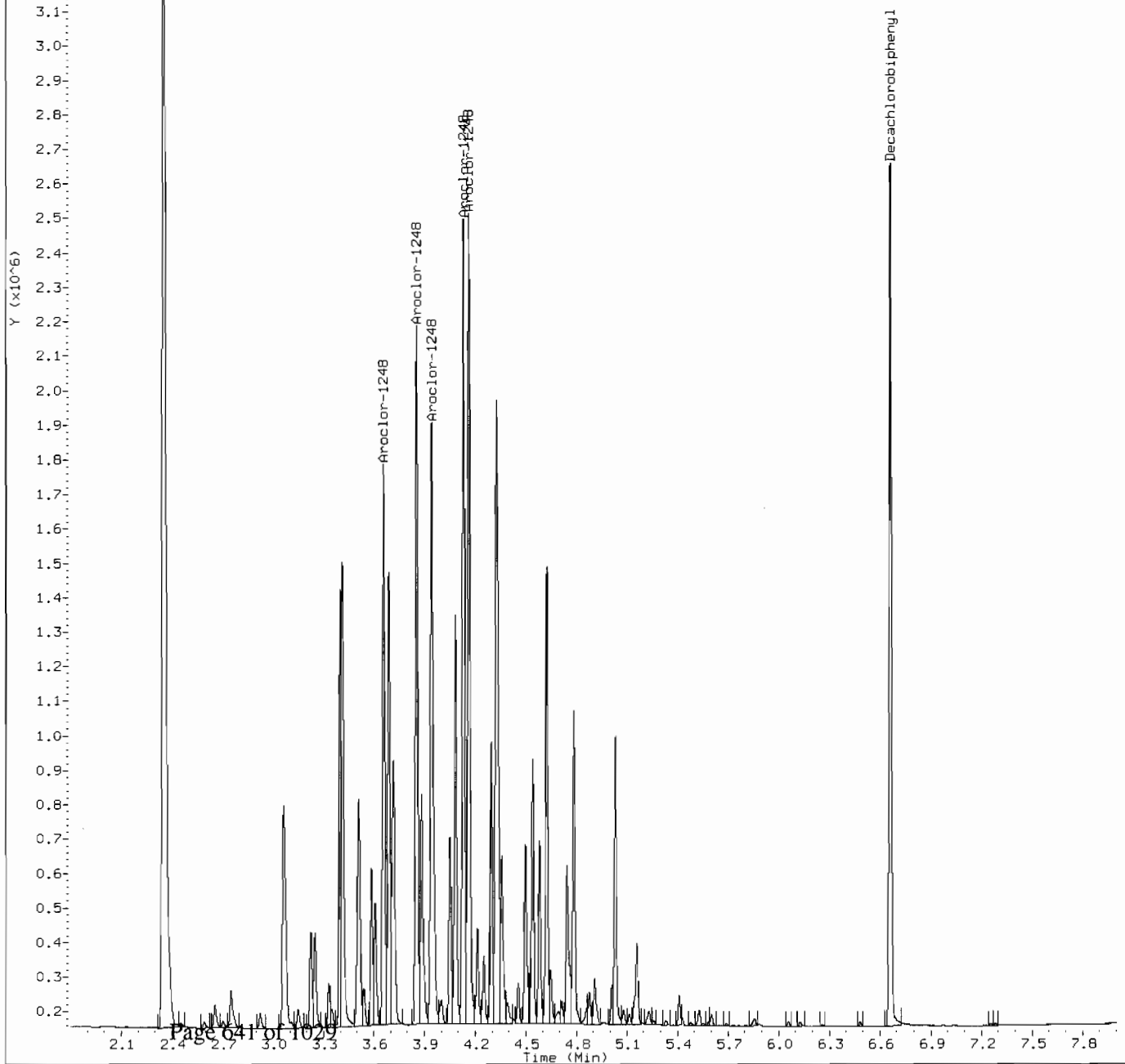
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Comment: Manually Integrated
Data File: /chem/ecd8a.i/012208.b/005b0501.d
Operator: JAOC
Injection Date: 22-JAN-2008 09:38
Instrument: ecd8a.i
Client Sample ID: AR124801



Comment: Before manual integration
Data File: /chem/ecd8a.i/012208.b/orig-005b0501.d
Operator: JAOC
Injection Date: 22-JAN-2008 09:38
Instrument: ecd8a.i
Client Sample ID: AR124801



Data File: /chem/ecd8a.i/012208.b/006f0601.d
Report Date: 22-Jan-2008 16:13

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RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012208.b/006f0601.d
Lab Smp Id: WAR071205-32 Client Smp ID: AR123201
Inj Date : 22-JAN-2008 09:51
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR071205-32
Misc Info :
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m
Meth Date : 22-Jan-2008 16:12 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026f2601.d
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8			
2.138	2.138	0.000	7382844	100.000	96.7	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.077	6.076	0.001	2962266	100.000	93.9	80.00-	120.00	100.00

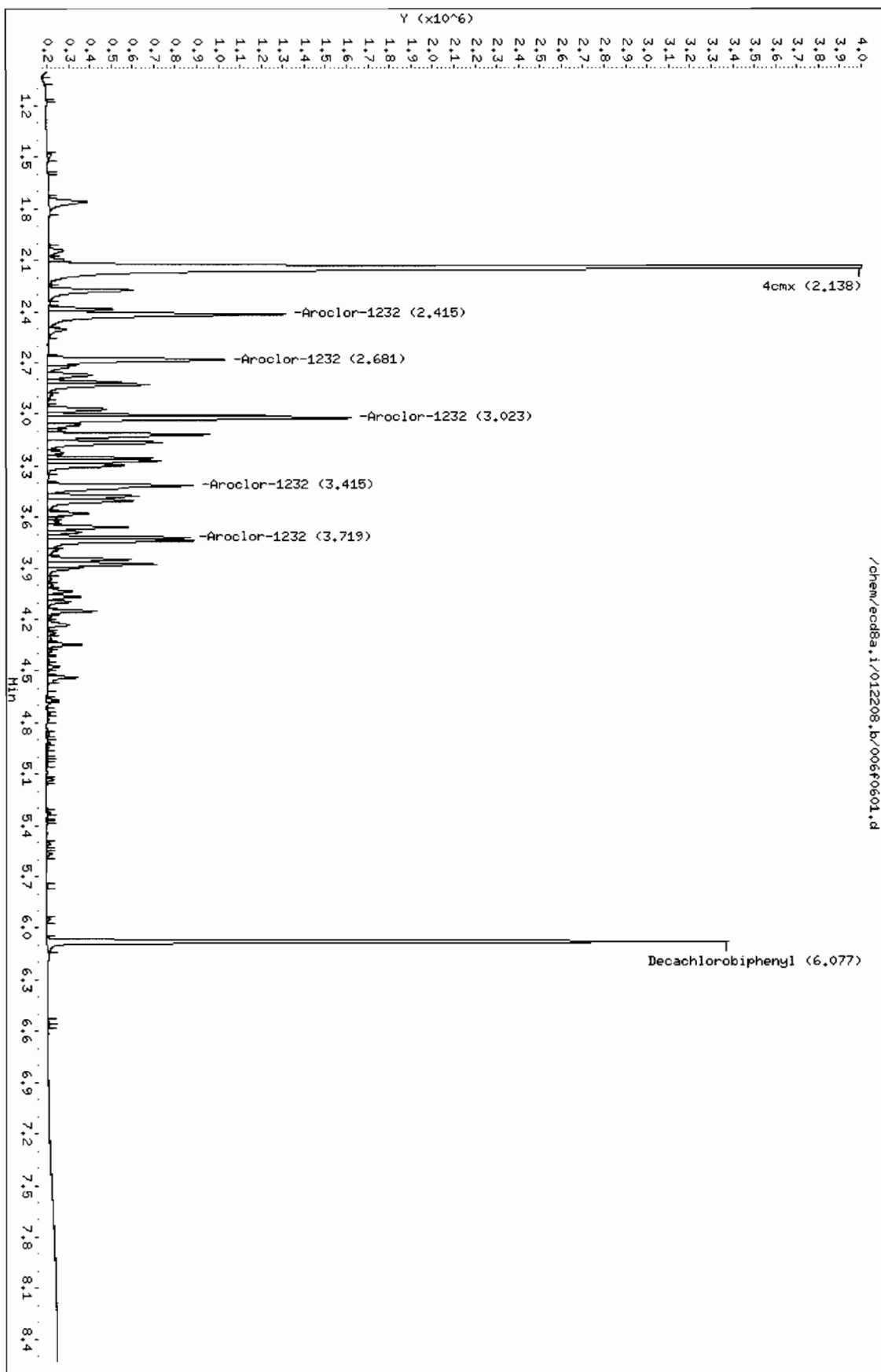
3 Aroclor-1232					CAS #: 11141-16-5			
2.415	2.415	0.000	1680170	1000.00	1420	80.00-	120.00	100.00
2.681	2.681	0.000	1271238	1000.00	1390	55.66-	95.66	75.66
3.023	3.023	0.000	1846949	1000.00	1770	89.93-	129.93	109.93
3.415	3.415	0.000	1052420	1000.00	2170	42.64-	82.64	62.64
3.719	3.719	0.000	683138	1000.00	1670	20.66-	60.66	40.66
Average of Peak Amounts =					1.69e+03			

Data File: /chem/ecdb8a.i/012208.b/006f0601.d
Date : 22-JAN-2008 09:51
Client ID: AR123201
Sample Info: 14AR071205-32

Column phase: CLP1

Instrument: ecdb8a.i
Operator: JROC
Column diameter: 0.25

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Data File: /chem/ecd8a.i/012208.b/006b0601.d
Report Date: 22-Jan-2008 16:12

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/006b0601.d
Lab Smp Id: WAR071205-32 Client Smp ID: AR123201
Inj Date : 22-JAN-2008 09:51
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR071205-32
Misc Info :
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
Meth Date : 22-Jan-2008 16:10 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	RESPONSE (ug/L)	(ug/L)	=====	=====

\$ 11 4cmx				CAS #: 877-09-8		
2.349	2.349	0.000	5678953 100.000	106	80.00- 120.00	100.00

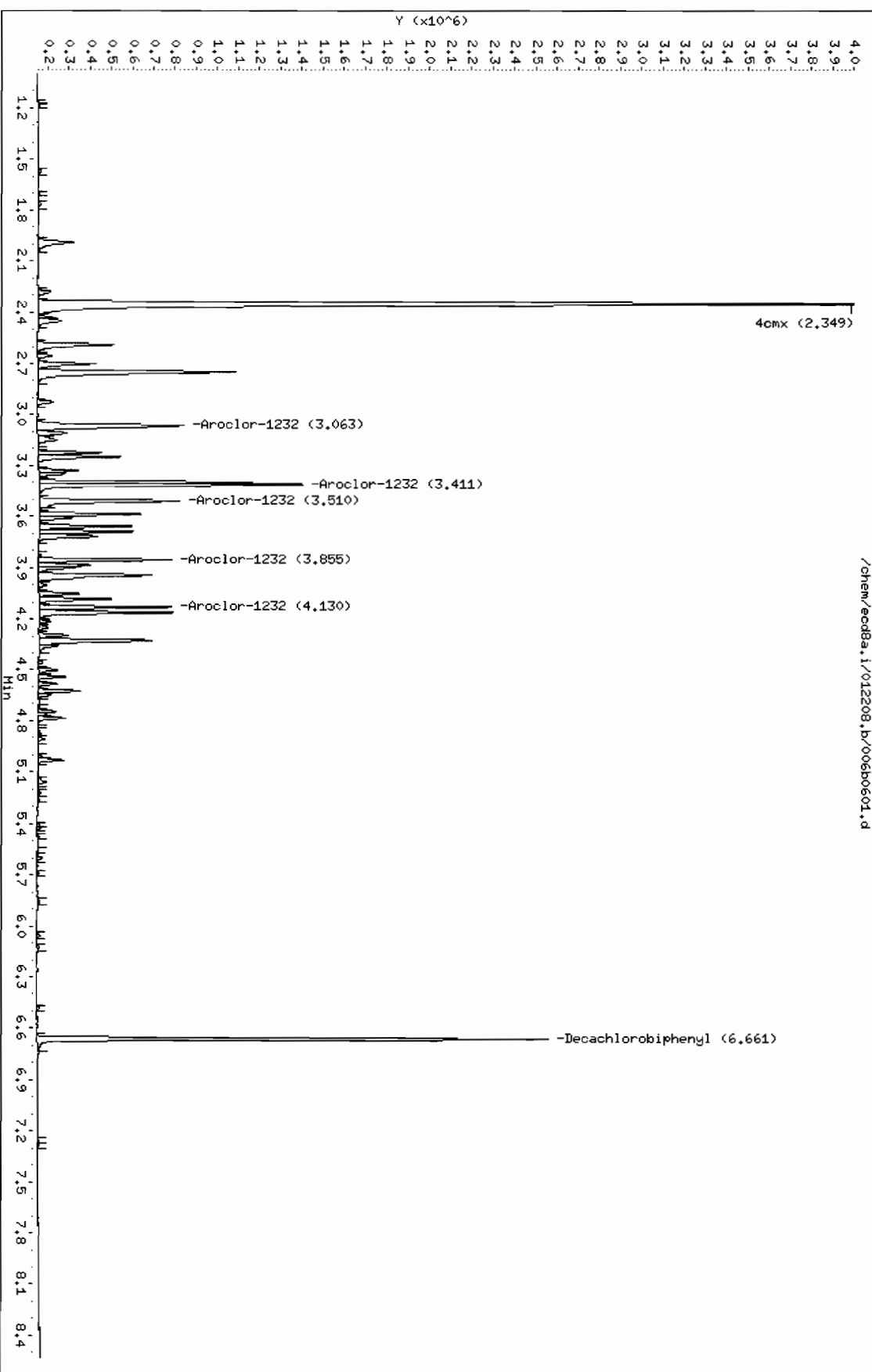
\$ 12 Decachlorobiphenyl				CAS #: 2051-24-3		
6.661	6.660	0.001	2224652 100.000	97.4	80.00- 120.00	100.00

3 Aroclor-1232				CAS #: 11141-16-5		
3.063	3.063	0.000	1048079 1000.00	1850	80.00- 120.00	100.00
3.411	3.411	0.000	1283834 1000.00	1380	102.49- 142.49	122.49
3.510	3.510	0.000	802760 1000.00	1290	56.59- 96.59	76.59
3.855	3.855	0.000	586755 1000.00	1310	35.98- 75.98	55.98
4.130	4.130	0.000	566292 1000.00	1390	34.03- 74.03	54.03
Average of Peak Amounts =			1.45e+03			

Data File: /chem/ecod8a.i/012208.b/006b0601.d
Date : 22-JAN-2008 09:51
Client ID: AR123201
Sample Info: IMAR071205-32

Column phase: CLP2

Instrument: ecod8a.i
Operator: JHOC
Column diameter: 0.25



Data File: /chem/ecd8a.i/012208.b/007f0701.d
Report Date: 22-Jan-2008 16:13

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GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/007f0701.d
Lab Smp Id: WAR071022-21 Client Smp ID: AR122101
Inj Date : 22-JAN-2008 10:03
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR071022-21
Misc Info :
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m
Meth Date : 22-Jan-2008 16:12 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026f2601.d
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	

\$ 11 4cmx					CAS #: 877-09-8		
2.138	2.138	0.000	7780193 100.000	102	80.00- 120.00	100.00	

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.076	6.076	0.000	3537463 100.000	112	80.00- 120.00	100.00	

2 Aroclor-1221					CAS #: 11104-28-2		
2.274	2.274	0.000	892071 1000.00	1440	80.00- 120.00	100.00	
2.384	2.384	0.000	448535 1000.00	1310	30.28- 70.28	50.28	
2.414	2.414	0.000	2093164 1000.00	1410	214.64- 254.64	234.64	
Average of Peak Amounts =				1.39e+03			

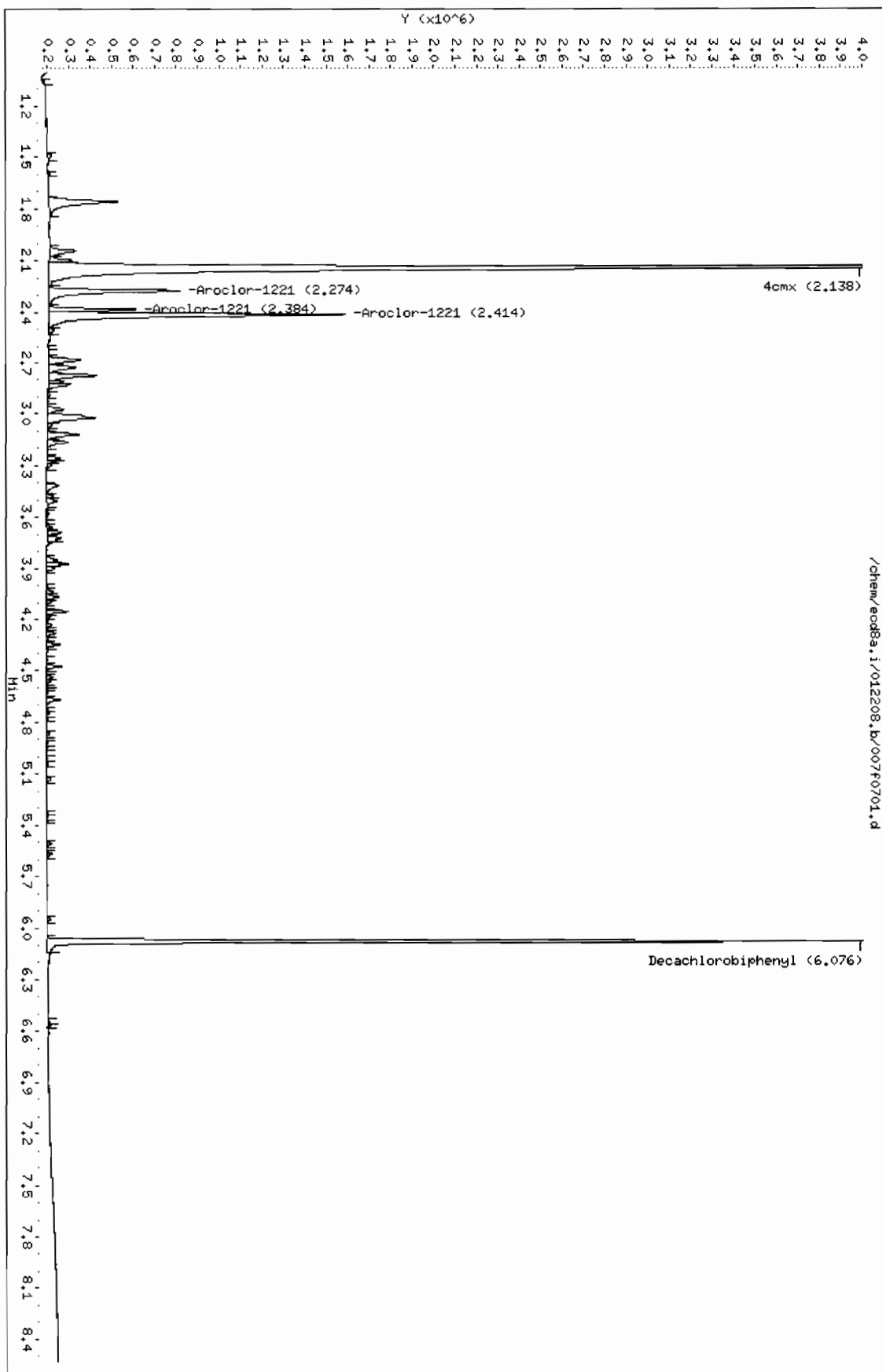
Data File: /chem/eod8a.i/012208.b/0070701.d
Date : 22-JAN-2008 10:03
Client ID: AR122101
Sample Info: 1MAR071022-21

Instrument: eod8a.i

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Column phase: CLP1

Operator: JAOC
Column diameter: 0.25



Data File: /chem/ecd8a.i/012208.b/007b0701.d
Report Date: 22-Jan-2008 16:13

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/007b0701.d
Lab Smp Id: WAR071022-21 Client Smp ID: AR122101
Inj Date : 22-JAN-2008 10:03
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR071022-21
Misc Info :
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
Meth Date : 22-Jan-2008 16:10 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS						
			CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 11 4cmx CAS #: 877-09-8						
2.349	2.349	0.000	5999410 100.000	112	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl CAS #: 2051-24-3						
6.660	6.660	0.000	2677395 100.000	117	80.00- 120.00	100.00

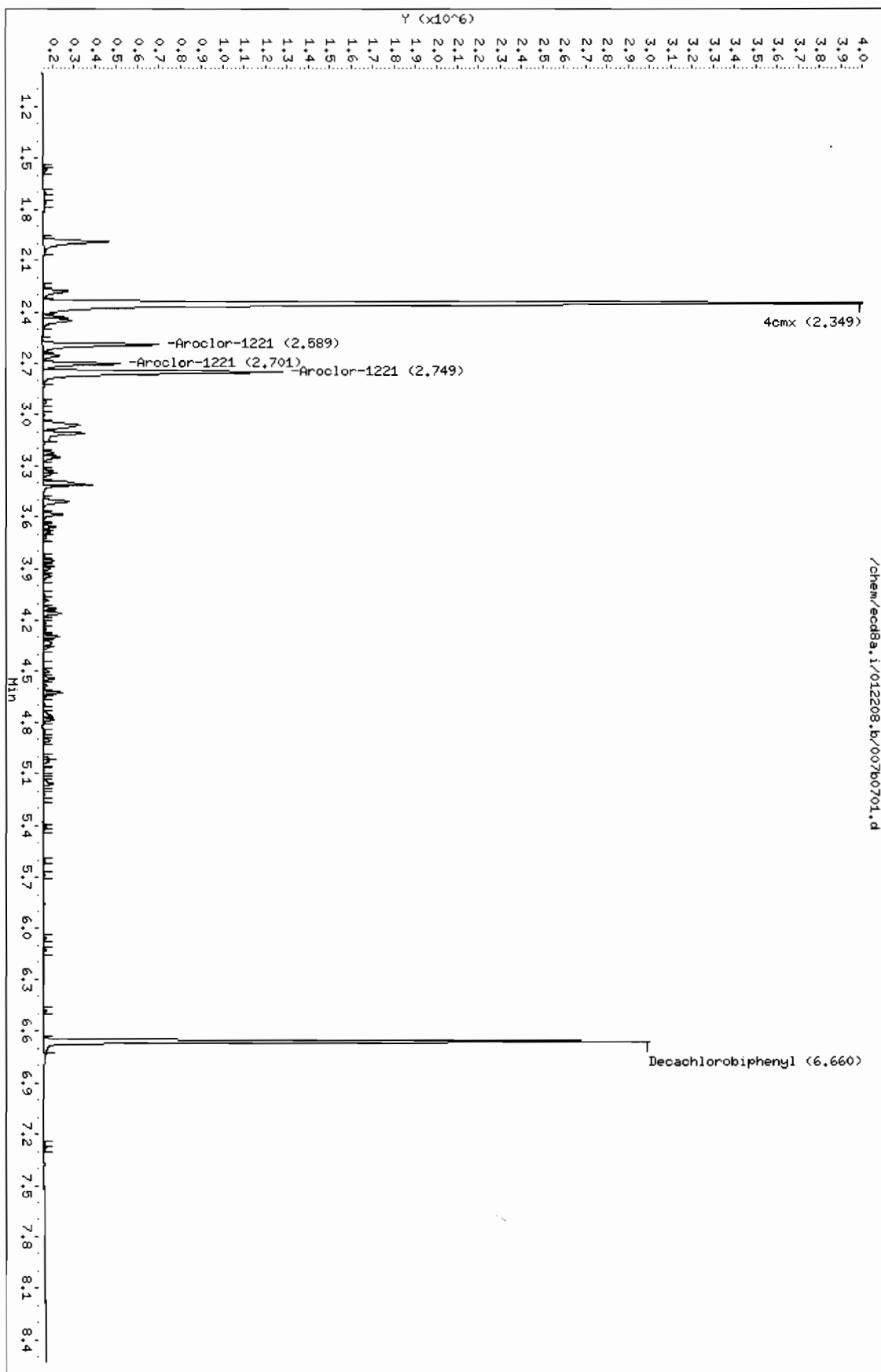
2 Aroclor-1221 CAS #: 11104-28-2						
2.589	2.589	0.000	659921 1000.00	1220	80.00- 120.00	100.00
2.701	2.701	0.000	410180 1000.00	1180	42.16- 82.16	62.16
2.749	2.749	0.000	1452823 1000.00	1190	200.15- 240.15	220.15
Average of Peak Amounts =			1.2e+03			

Data File: /chem/ecdb8a.i/012208.b/007b0701.d
Date : 22-JAN-2008 10:03
Client ID: AR122101
Sample Info: 1MAR071022-21

Column phase: CLP2

Instrument: ecdb8a.i
Operator: J40C
Column diameter: 0.25

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RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/016f1601.d

Lab Smp Id: WAR080111-60

Client Smp ID: AR166002

Inj Date : 22-JAN-2008 11:57

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |WAR080111-60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m

Meth Date : 22-Jan-2008 16:12 jen01212 Quant Type: ESTD

Cal Date : 26-DEC-2007 13:08

Cal File: 026f2601.d

Als bottle: 16

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.137	2.138	-0.001	6792036	100.000	89.0	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.076	6.076	0.000	3026089	100.000	95.9	80.00- 120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2		
3.022	3.024	-0.002	3709392	1000.00	859	80.00- 120.00	100.00 (M)
3.118	3.119	-0.001	2153893	1000.00	905	36.66- 76.66	58.07
3.255	3.255	0.000	1070390	1000.00	913	6.99- 46.99	28.86
3.271	3.271	0.000	1258038	1000.00	868	14.39- 54.39	33.91
3.414	3.414	0.000	2269596	1000.00	893	39.87- 79.87	61.19
Average of Peak Amounts =					888		

7 Aroclor-1260					CAS #: 11096-82-5		
4.475	4.474	0.001	4756848	1000.00	953	80.00- 120.00	100.00
4.667	4.667	0.000	5200839	1000.00	958	90.77- 130.77	109.33
4.747	4.747	0.000	2363995	1000.00	956	29.83- 69.83	49.70
4.917	4.916	0.001	2616374	1000.00	970	34.91- 74.91	55.00
5.131	5.131	0.000	4988818	1000.00	990	86.28- 126.28	104.88
Average of Peak Amounts =					965		

Data File: /chem/ecd8a.i/012208.b/016f1601.d
Report Date: 22-Jan-2008 16:14

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QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecdb8a.i/012208.b/016f1601.d

Date : 22-JAN-2008 11:57

Client ID: AR166002

Sample Info: 1MAR080111-60

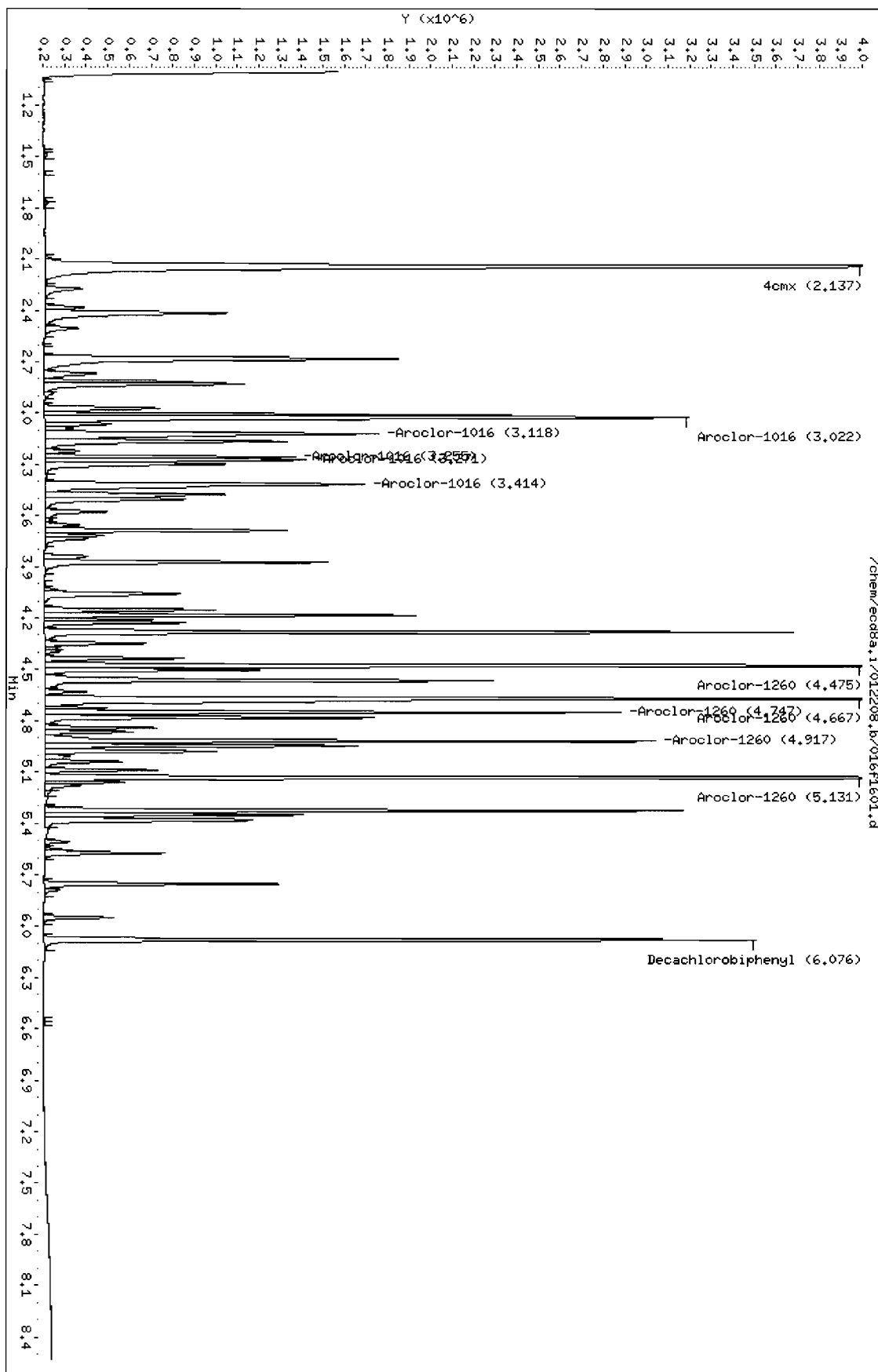
Page 1

Instrument: ecdb8a.i

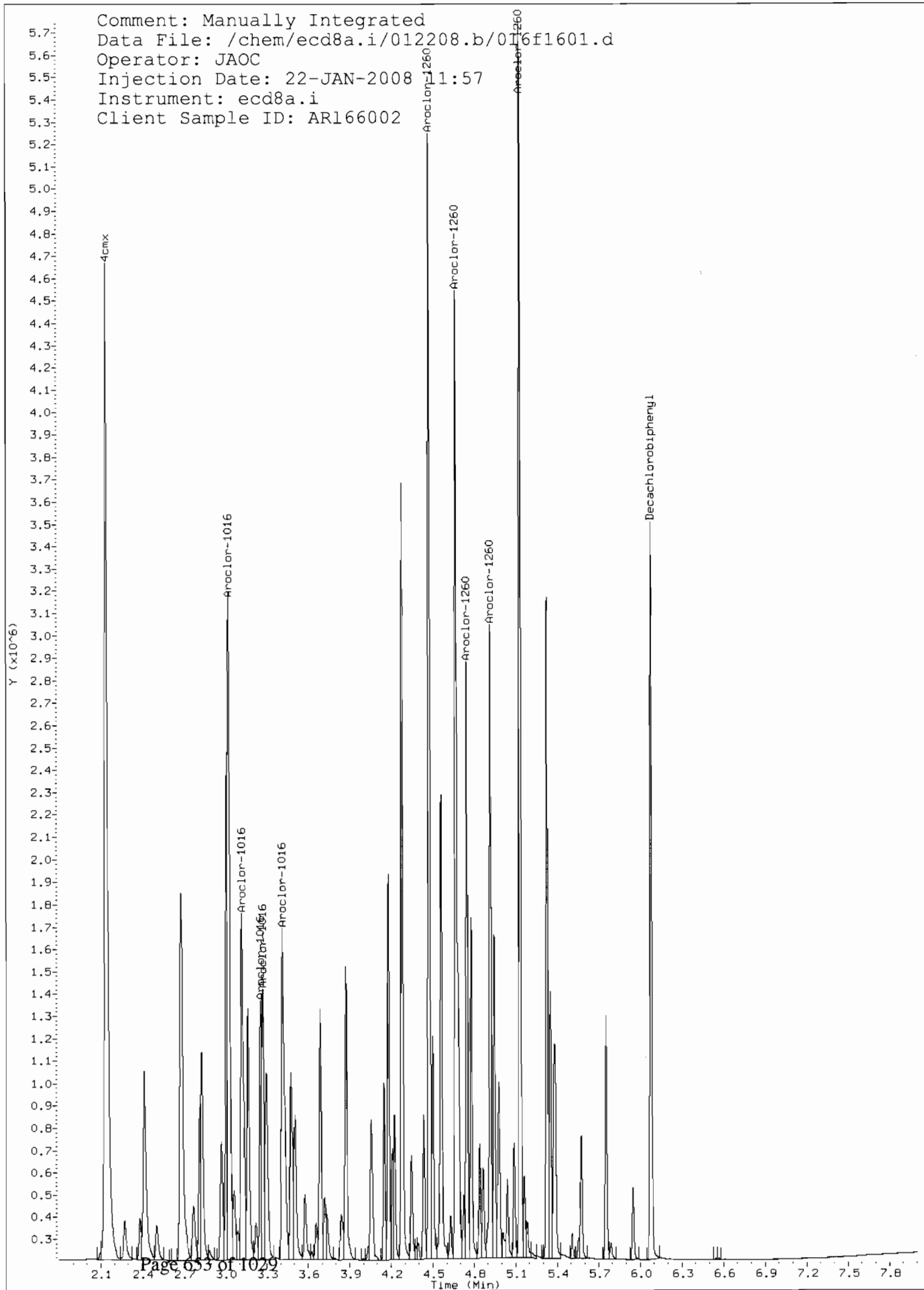
Column phase: CLP1

Operator: JAOO

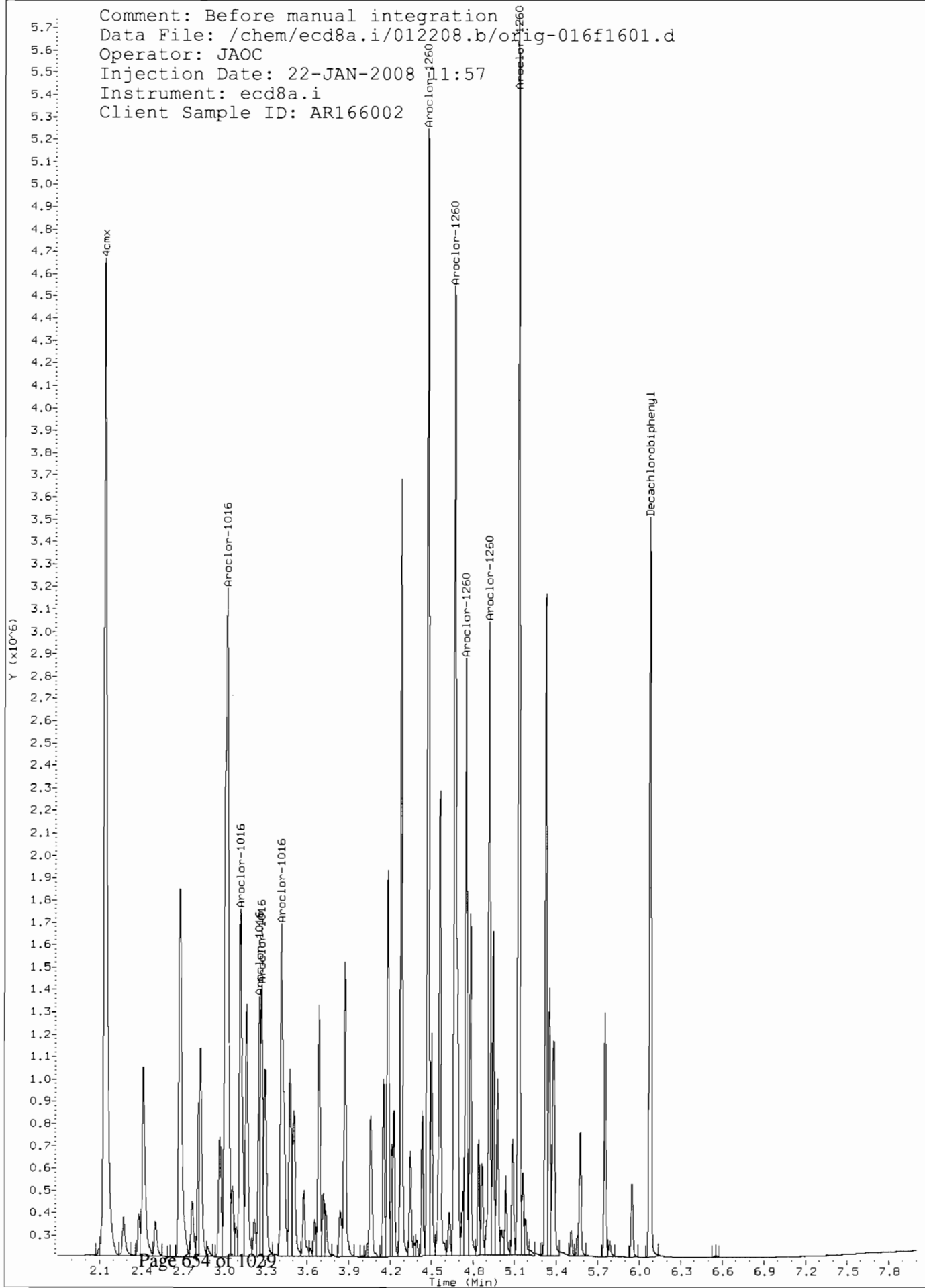
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012208.b/016f1601.d
Operator: JAOC
Injection Date: 22-JAN-2008 11:57
Instrument: ecd8a.i
Client Sample ID: AR166002



Comment: Before manual integration
Data File: /chem/ecd8a.i/012208.b/orig-016f1601.d
Operator: JAOC
Injection Date: 22-JAN-2008 11:57
Instrument: ecd8a.i
Client Sample ID: AR166002



Data File: /chem/ecd8a.i/012208.b/016b1601.d
 Report Date: 22-Jan-2008 16:14

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/016b1601.d
 Lab Smp Id: WAR080111-60 Client Smp ID: AR166002
 Inj Date : 22-JAN-2008 11:57
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |WAR080111-60
 Misc Info :
 Comment :
 Method : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
 Meth Date : 22-Jan-2008 16:10 jen01212 Quant Type: ESTD
 Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d
 Als bottle: 16 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1660.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====

\$ 11 4cmx					CAS #: 877-09-8		
2.348	2.349	-0.001	5230341	100.000	97.7	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.661	6.660	0.001	2253165	100.000	98.7	80.00- 120.00	100.00

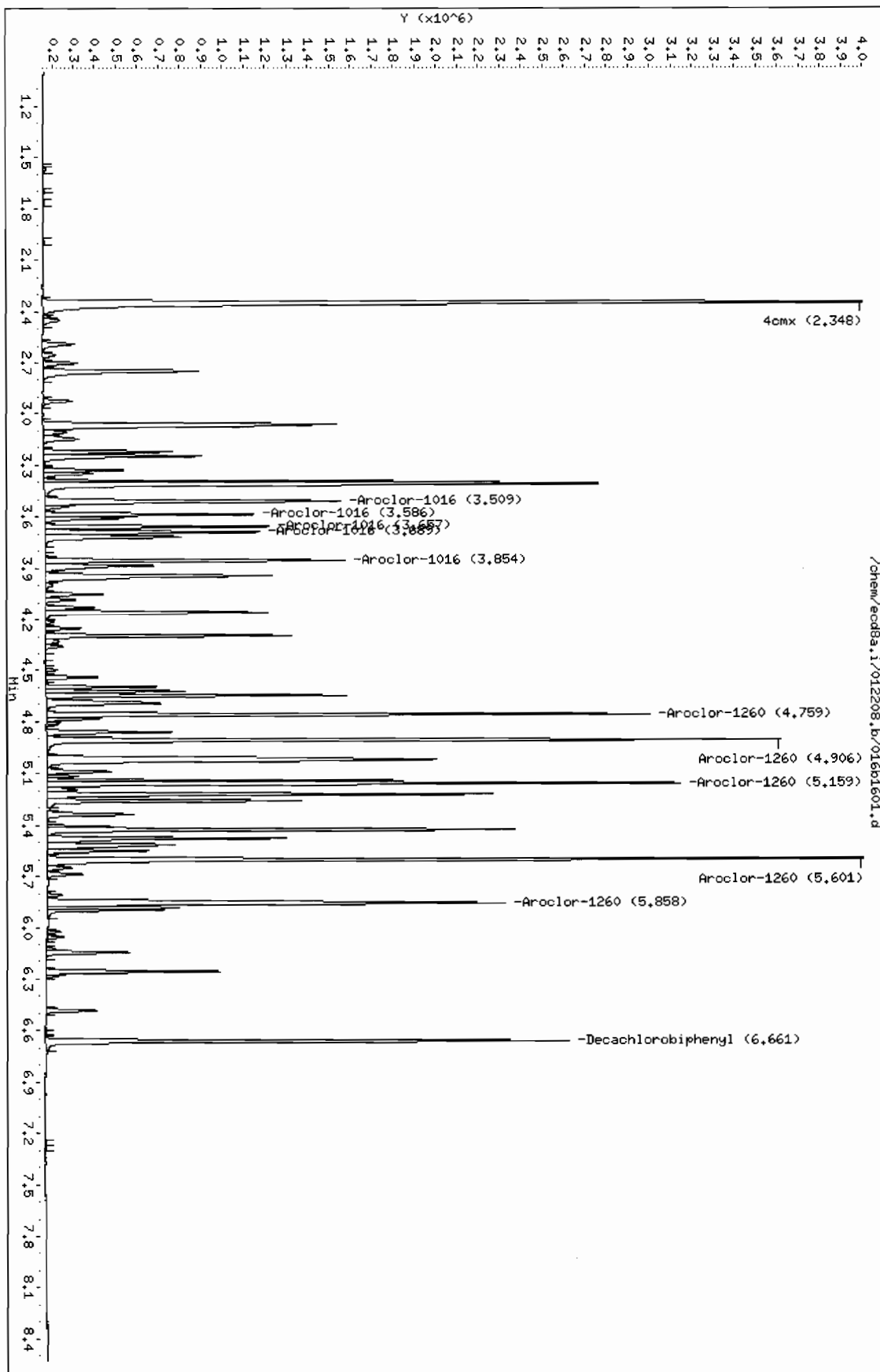
1 Aroclor-1016					CAS #: 12674-11-2		
3.509	3.509	0.000	1575712	1000.00	922	80.00- 120.00	100.00
3.586	3.586	0.000	940935	1000.00	926	37.23- 77.23	59.71
3.657	3.658	-0.001	974134	1000.00	904	7.67- 47.67	61.82
3.689	3.689	0.000	1012040	1000.00	914	14.30- 54.30	64.23
3.854	3.854	0.000	1284118	1000.00	918	40.18- 80.18	81.49
Average of Peak Amounts =					917		

7 Aroclor-1260					CAS #: 11096-82-5		
4.759	4.759	0.000	2491448	1000.00	979	80.00- 120.00	100.00
4.906	4.907	-0.001	2998803	1000.00	987	89.71- 129.71	120.36
5.159	5.159	0.000	2948131	1000.00	1020	29.09- 69.09	118.33
5.601	5.601	0.000	4022918	1000.00	1030	33.65- 73.65	161.47
5.858	5.858	0.000	2707467	1000.00	1030	80.25- 120.25	108.67
Average of Peak Amounts =					1.01e+03		

Data File: /chem/ecdb8a.i/012208.b/016b1601.d
Date : 22-JAN-2008 11:57
Client ID: AR166002
Sample Info: I4AR080111-60

Column phase: CLP2

Instrument: ecdb8a.i
Operator: JHOC
Column diameter: 0.25



Data File: /chem/ecd8a.i/012208.b/020f2001.d
Report Date: 22-Jan-2008 16:14

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GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/020f2001.d
Lab Smp Id: WAR080111-60 Client Smp ID: AR166003
Inj Date : 22-JAN-2008 12:46
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR080111-60
Misc Info :
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m
Meth Date : 22-Jan-2008 16:12 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026f2601.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: hpc1p1

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.137	2.138	-0.001	6843622	100.000	89.6	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.077	6.076	0.001	3224137	100.000	102	80.00- 120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2		
3.022	3.024	-0.002	3791694	1000.00	878	80.00- 120.00	100.00(M)
3.118	3.119	-0.001	2148318	1000.00	903	36.66- 76.66	56.66
3.255	3.255	0.000	1023513	1000.00	873	6.99- 46.99	26.99
3.271	3.271	0.000	1304073	1000.00	900	14.39- 54.39	34.39
3.414	3.414	0.000	2270078	1000.00	893	39.87- 79.87	59.87
Average of Peak Amounts =					889		

7 Aroclor-1260					CAS #: 11096-82-5		
4.475	4.474	0.001	4785520	1000.00	959	80.00- 120.00	100.00
4.667	4.667	0.000	5300890	1000.00	977	90.77- 130.77	110.77
4.747	4.747	0.000	2384688	1000.00	964	29.83- 69.83	49.83
4.917	4.916	0.001	2627531	1000.00	974	34.91- 74.91	54.91
5.132	5.131	0.001	5086225	1000.00	1010	86.28- 126.28	106.28
Average of Peak Amounts =					977		

Data File: /chem/ecd8a.i/012208.b/020f2001.d
Report Date: 22-Jan-2008 16:14

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QC Flag Legend

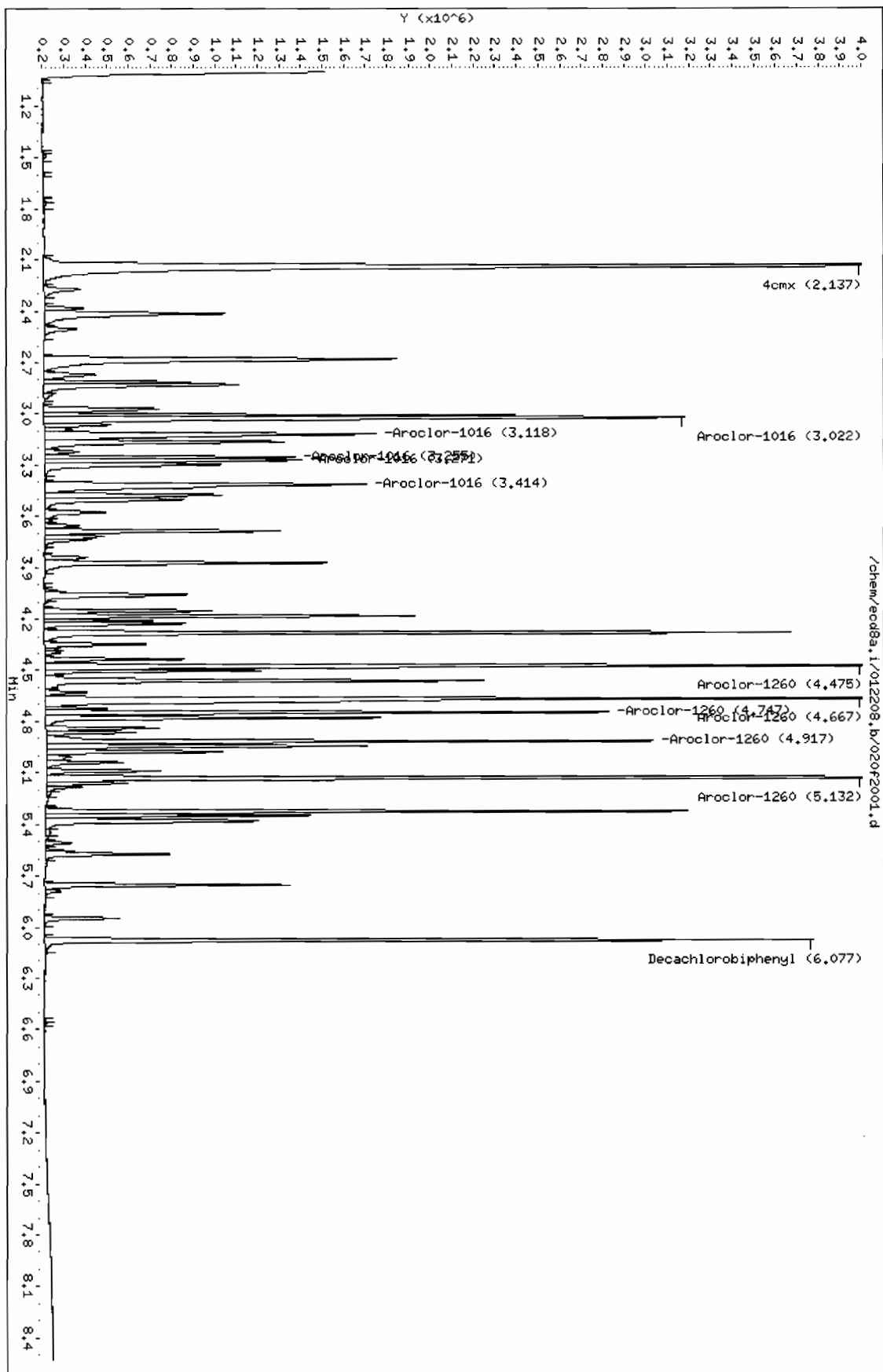
M - Compound response manually integrated.

Data File: /chem/ecod8a.i/012208.b/020f2001.d
Date : 22-JAN-2008 12:46
Client ID: AR166003
Sample Info: IMAR080111-60

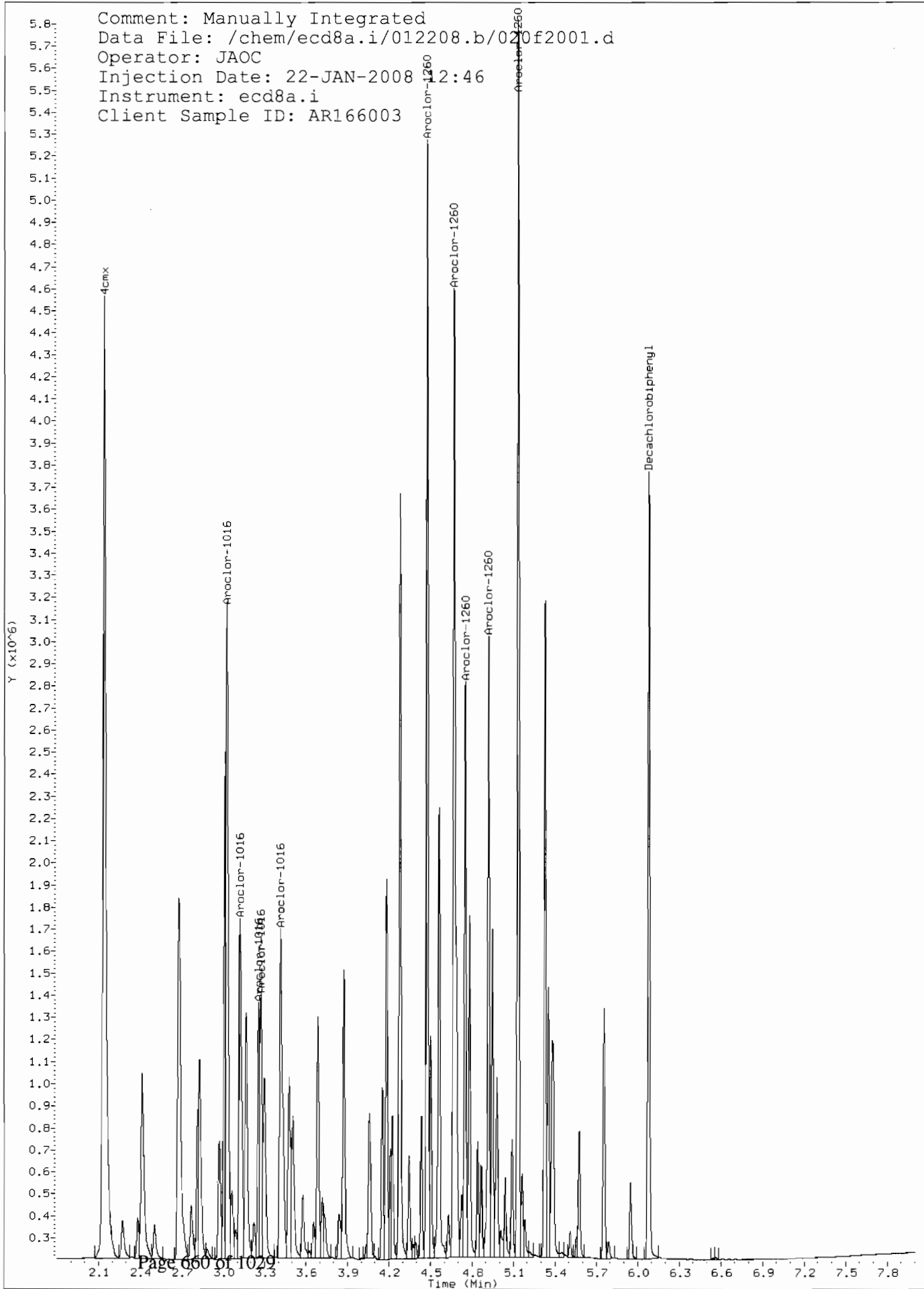
Column phase: CLP1

Instrument: ecod8a.i
Operator: JAOC
Column diameter: 0.25

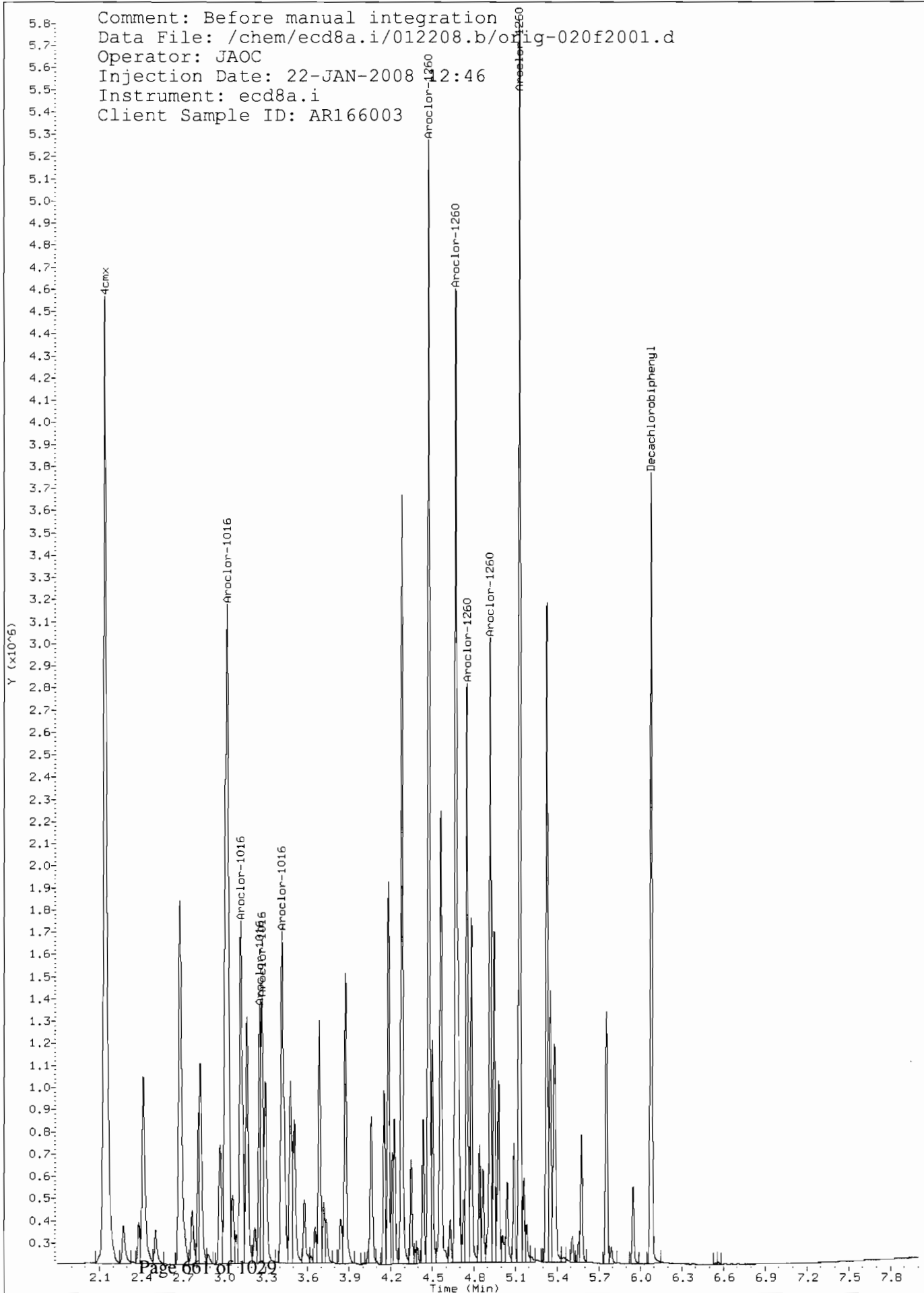
Page 1



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012208.b/020f2001.d
Operator: JAOC
Injection Date: 22-JAN-2008 12:46
Instrument: ecd8a.i
Client Sample ID: AR166003



Comment: Before manual integration
Data File: /chem/ecd8a.i/012208.b/orig-020f2001.d
Operator: JAOC
Injection Date: 22-JAN-2008 12:46
Instrument: ecd8a.i
Client Sample ID: AR166003



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/020b2001.d

Lab Smp Id: WAR080111-60 Client Smp ID: AR166003

Inj Date : 22-JAN-2008 12:46

Operator : JAOC Inst ID: ecd8a.i

Smp Info : |WAR080111-60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m

Meth Date : 22-Jan-2008 16:10 jen01212 Quant Type: ESTD

Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d

Als bottle: 20 Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.349	2.349	0.000	5237144	100.000	97.8	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.661	6.660	0.001	2418073	100.000	106	80.00- 120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2		
3.509	3.509	0.000	1583393	1000.00	926	80.00- 120.00	100.00
3.586	3.586	0.000	942688	1000.00	928	37.23- 77.23	59.54
3.658	3.658	0.000	981311	1000.00	910	7.67- 47.67	61.98
3.689	3.689	0.000	1008184	1000.00	910	14.30- 54.30	63.67
3.854	3.854	0.000	1292084	1000.00	924	40.18- 80.18	81.60
Average of Peak Amounts =					920		

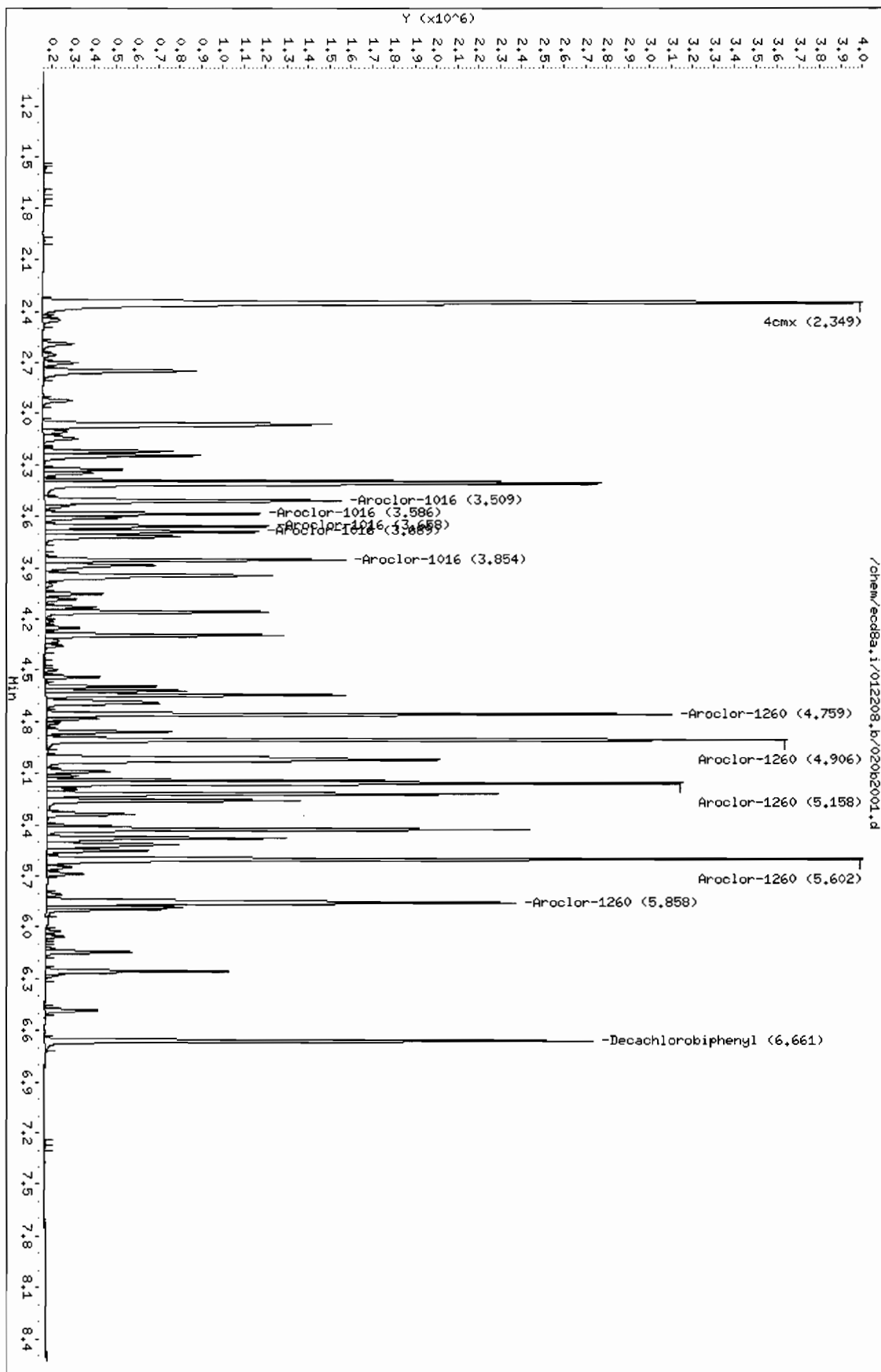
7 Aroclor-1260					CAS #: 11096-82-5		
4.759	4.759	0.000	2497709	1000.00	982	80.00- 120.00	100.00
4.906	4.907	-0.001	3009475	1000.00	990	89.71- 129.71	120.49
5.158	5.159	-0.001	2969601	1000.00	1020	29.09- 69.09	118.89
5.602	5.601	0.001	4101464	1000.00	1050	33.65- 73.65	164.21
5.858	5.858	0.000	2783873	1000.00	1060	80.25- 120.25	111.46
Average of Peak Amounts =					1.02e+03		

Data File: /chem/ecdb8a.i/012208.b/02062001.d
Date : 22-JAN-2008 12:46
Client ID: R166003
Sample Info: 1M4R080111-60

Column phase: CLP2

Instrument: ecdb8a.i
Operator: JAO
Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/002f0201.d

Lab Smp Id: WAR080111-60 Client Smp ID: AR166001

Inj Date : 25-JAN-2008 07:32

Operator : JAOC Inst ID: ecd8a.i

Smp Info : |WAR080111-60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m

Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD

Cal Date : 23-JAN-2008 13:33 Cal File: 025f2501.d

Als bottle: 2 Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: AR1660.sub

Target Version: 3.50 Sample Matrix: None

AMOUNTS						
		CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----
\$ 11 4cmx						
				CAS #:	877-09-8	
2.135	2.135	0.000	6326663 100.000	95.9	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl						
				CAS #:	2051-24-3	
6.073	6.073	0.000	4794688 100.000	99.8	80.00- 120.00	100.00

1 Aroclor-1016						
				CAS #:	12674-11-2	
3.020	3.020	0.000	3040400 1000.00	969	80.00- 120.00	100.00
3.115	3.115	0.000	1922640 1000.00	922	40.43- 80.43	63.24
3.251	3.251	0.000	1007161 1000.00	918	41.75- 81.75	33.13
3.268	3.268	0.000	1072851 1000.00	910	43.59- 83.59	35.29
3.410	3.410	0.000	1421118 1000.00	919	60.65- 100.65	46.74
Average of Peak Amounts =				928		

7 Aroclor-1260						
				CAS #:	11096-82-5	
4.470	4.470	0.000	4371926 1000.00	1010	80.00- 120.00	100.00
4.663	4.663	0.000	4970937 1000.00	1010	103.69- 143.69	113.70
4.743	4.743	0.000	2240671 1000.00	1000	107.02- 147.02	51.25
4.913	4.913	0.000	2538692 1000.00	1010	174.64- 214.64	58.07
5.127	5.127	0.000	5325367 1000.00	1030	123.18- 163.18	121.81
Average of Peak Amounts =				1.01e+03		

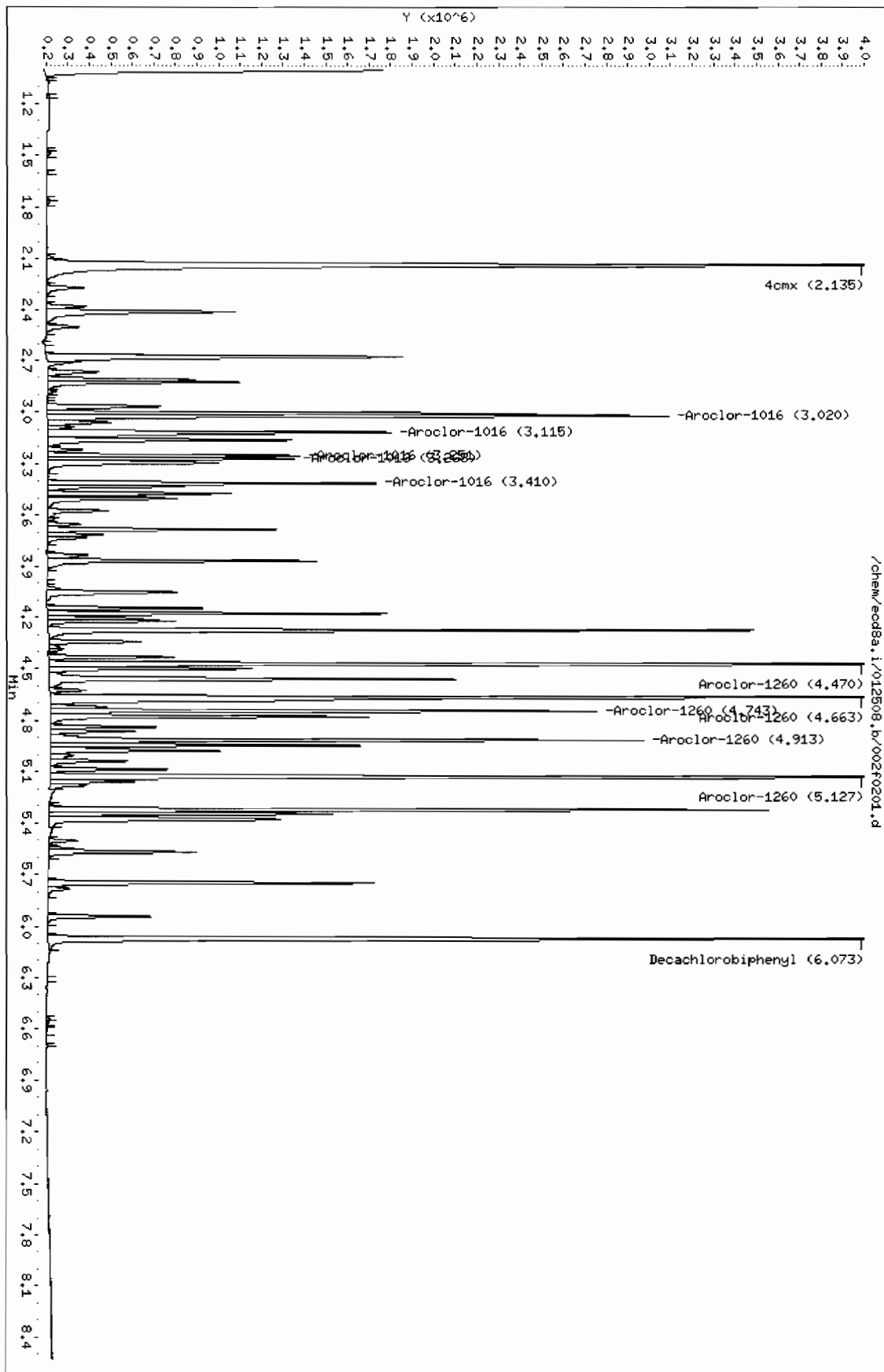
Data File: /chem/ecod8a.i/012508.b/002f0201.d
Date : 25-JAN-2008 07:32
Client ID: AR166001
Sample Info: 1MAR080111-60

Instrument: ecod8a.i

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Column phase: CLP1

Operator: JAOC
Column diameter: 0.25



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012508.b/002b0201.d
Lab Smp Id: WAR080111-60 Client Smp ID: AR166001
Inj Date : 25-JAN-2008 07:32
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR080111-60
Misc Info :
Comment :
Method : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m
Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
Cal Date : 23-JAN-2008 13:58 Cal File: 027b2701.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 11 4cmx					CAS #: 877-09-8			
2.346	2.346	0.000	5186974	100.000	100	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.659	6.659	0.000	3877097	100.000	99.5	80.00-	120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2			
3.506	3.506	0.000	1498269	1000.00	927	80.00-	120.00	100.00
3.584	3.584	0.000	889519	1000.00	928	40.43-	80.43	59.37
3.655	3.655	0.000	919498	1000.00	914	41.75-	81.75	61.37
3.686	3.686	0.000	954202	1000.00	919	43.59-	83.59	63.69
3.851	3.851	0.000	1205962	1000.00	923	60.65-	100.65	80.49
Average of Peak Amounts =					922			

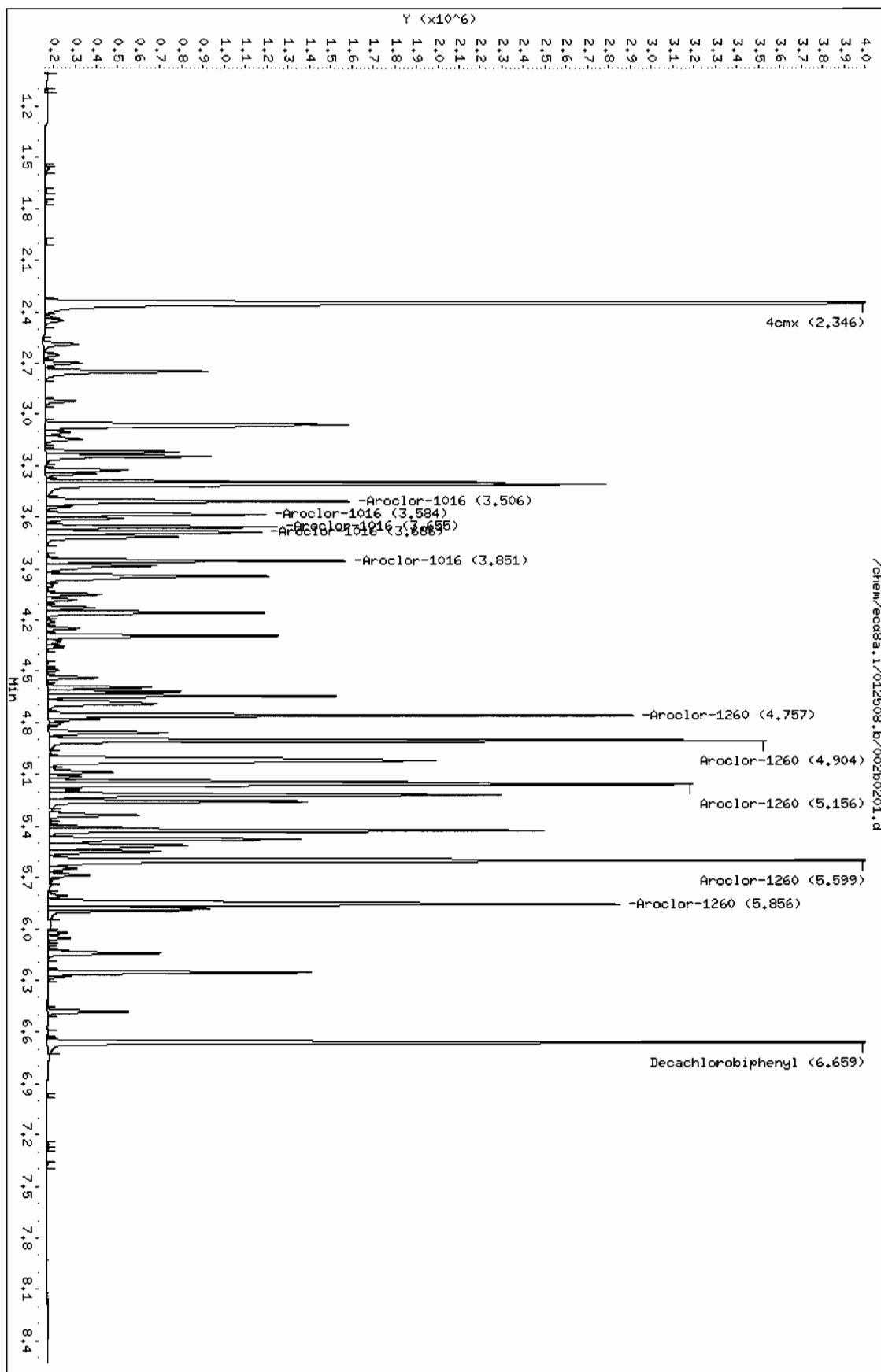
7 Aroclor-1260					CAS #: 11096-82-5			
4.757	4.757	0.000	2355551	1000.00	987	80.00-	120.00	100.00
4.904	4.904	0.000	2911718	1000.00	1000	103.69-	143.69	123.61
5.156	5.156	0.000	2934940	1000.00	1020	107.02-	147.02	124.60
5.599	5.599	0.000	4599746	1000.00	1040	174.64-	214.64	195.27
5.856	5.856	0.000	3305821	1000.00	1020	123.18-	163.18	140.34
Average of Peak Amounts =					1.01e+03			

Data File: /chem/ecd8a.i/012508.b/002b0201.d
Date : 25-JAN-2008 07:32
Client ID: AR16001
Sample Info: IWR080111-60

Column phase: CLP2

Instrument: ecd8a.i
Operator: JAC
Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012508.b/003f0301.d
Lab Smp Id: WAR071205-54 Client Smp ID: AR125401
Inj Date : 25-JAN-2008 07:45
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR071205-54
Misc Info :
Comment :
Method : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m
Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
Cal Date : 23-JAN-2008 13:33 Cal File: 025f2501.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 11 4cmx					CAS #: 877-09-8			
2.135	2.135	0.000	6924521	100.000	105	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.074	6.073	0.001	5132726	100.000	107	80.00-	120.00	100.00

6 Aroclor-1254					CAS #: 11097-69-1			
3.683	3.683	0.000	2101857	1000.00	894	80.00-	120.00	100.00 (M)
3.715	3.715	0.000	1382056	1000.00	995	45.75-	85.75	65.75
4.148	4.148	0.000	3593485	1000.00	889	150.97-	190.97	170.97
4.344	4.344	0.000	2729772	1000.00	893	109.87-	149.87	129.87
4.472	4.472	0.000	2877722	1000.00	959	116.91-	156.91	136.91
Average of Peak Amounts =					926			

QC Flag Legend

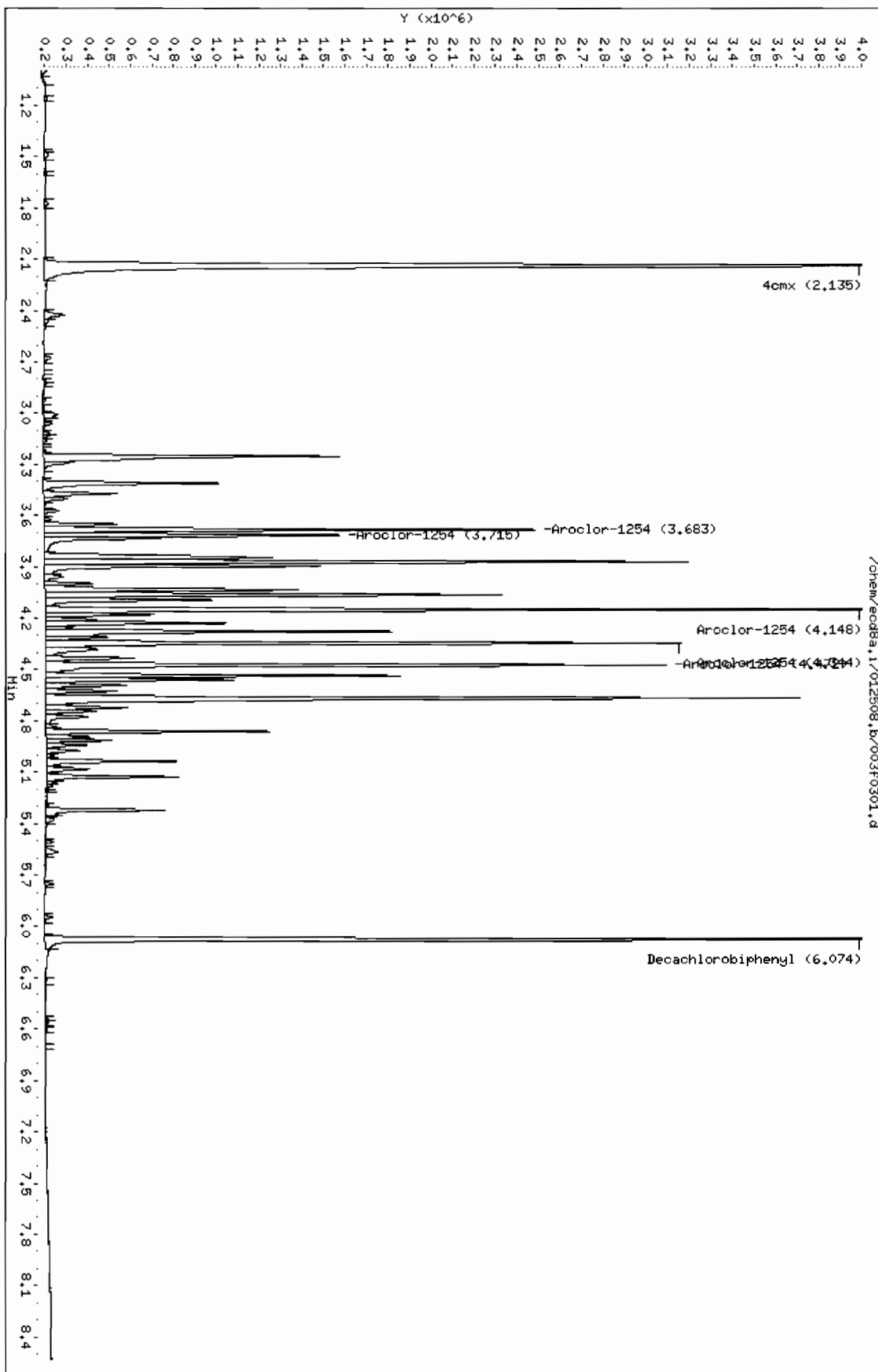
M - Compound response manually integrated.

Data File: /chem/ecd8a.i/012508.lb/003f0301.d
Date : 25-JAN-2008 07:45
Client ID: AR125401
Sample Info: IMR071205-54

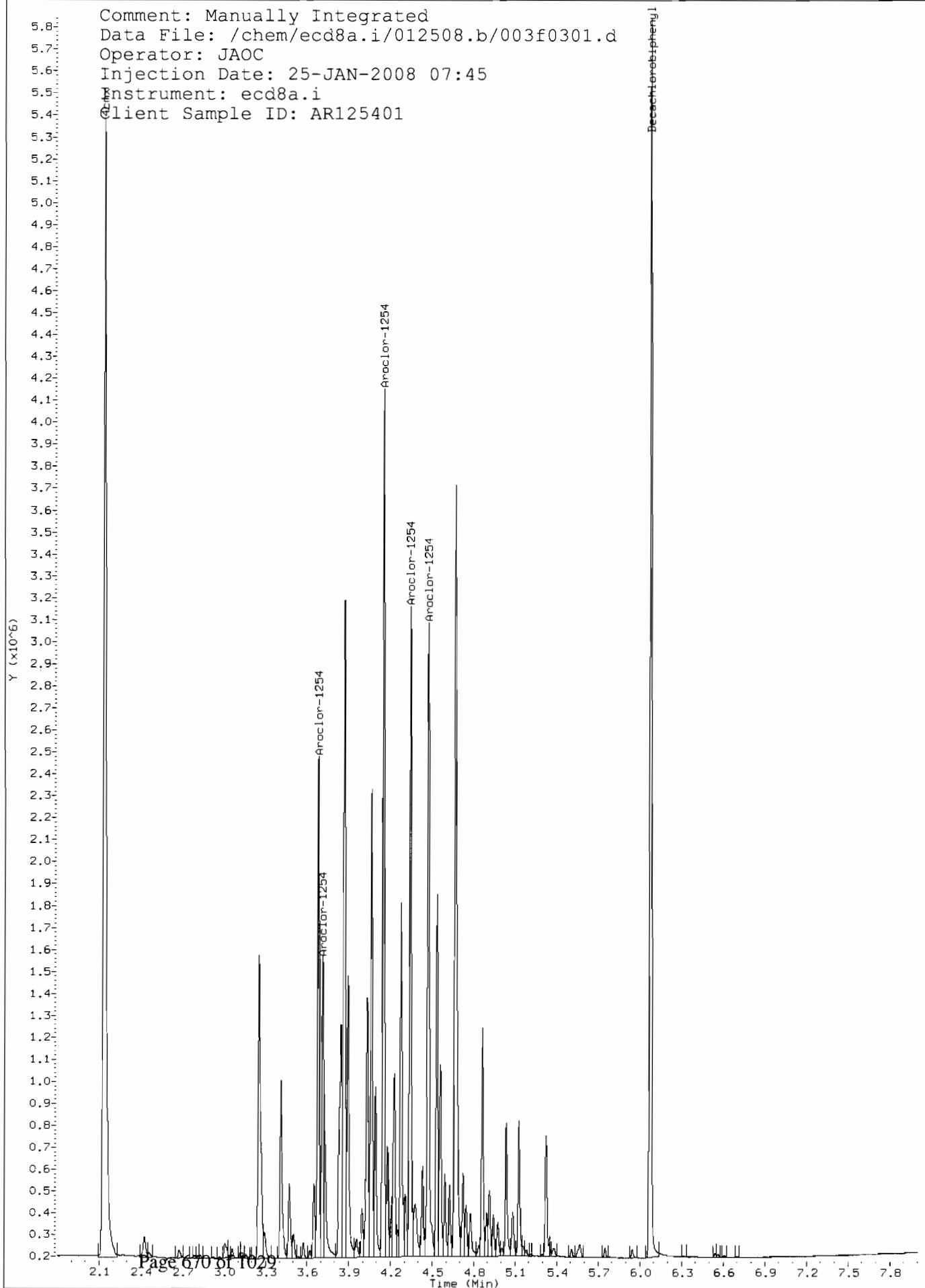
Column phase: CLP1

Instrument: ecd8a.i
Operator: JAOC
Column diameter: 0.25

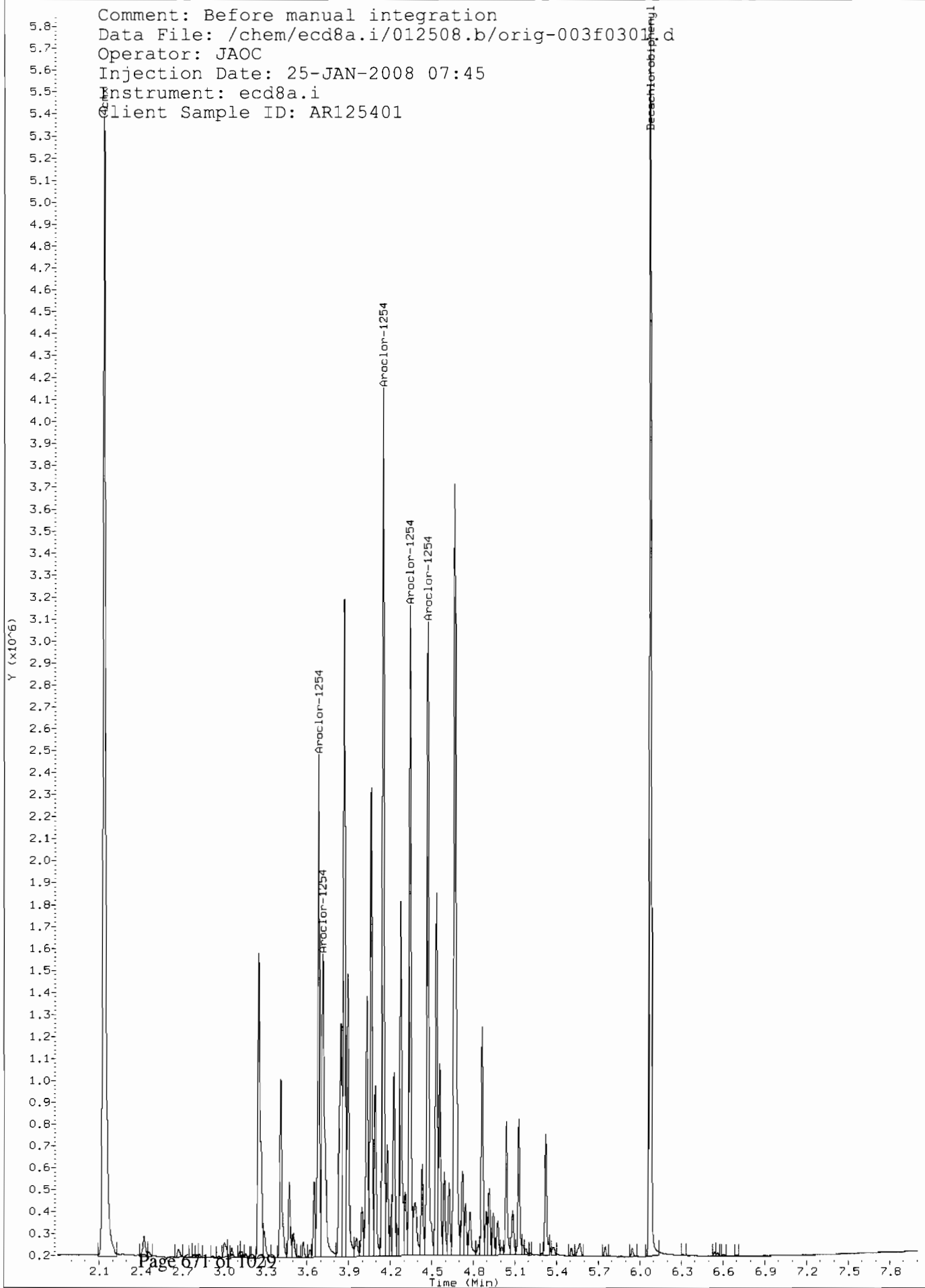
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Comment: Manually Integrated
Data File: /chem/ecd8a.i/012508.b/003f0301.d
Operator: JAOC
Injection Date: 25-JAN-2008 07:45
Instrument: ecd8a.i
Client Sample ID: AR125401



Comment: Before manual integration
Data File: /chem/ecd8a.i/012508.b/orig-003f0301.d
Operator: JAOC
Injection Date: 25-JAN-2008 07:45
Instrument: ecd8a.i
Client Sample ID: AR125401



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RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/003b0301.d
Lab Smp Id: WAR071205-54 Client Smp ID: AR125401
Inj Date : 25-JAN-2008 07:45
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR071205-54
Misc Info :
Comment :
Method : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m
Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
Cal Date : 23-JAN-2008 13:58 Cal File: 027b2701.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====		=====
\$ 11 4cmx					CAS #: 877-09-8			
2.347	2.346	0.001	5746779	100.000	111	80.00-	120.00	100.00

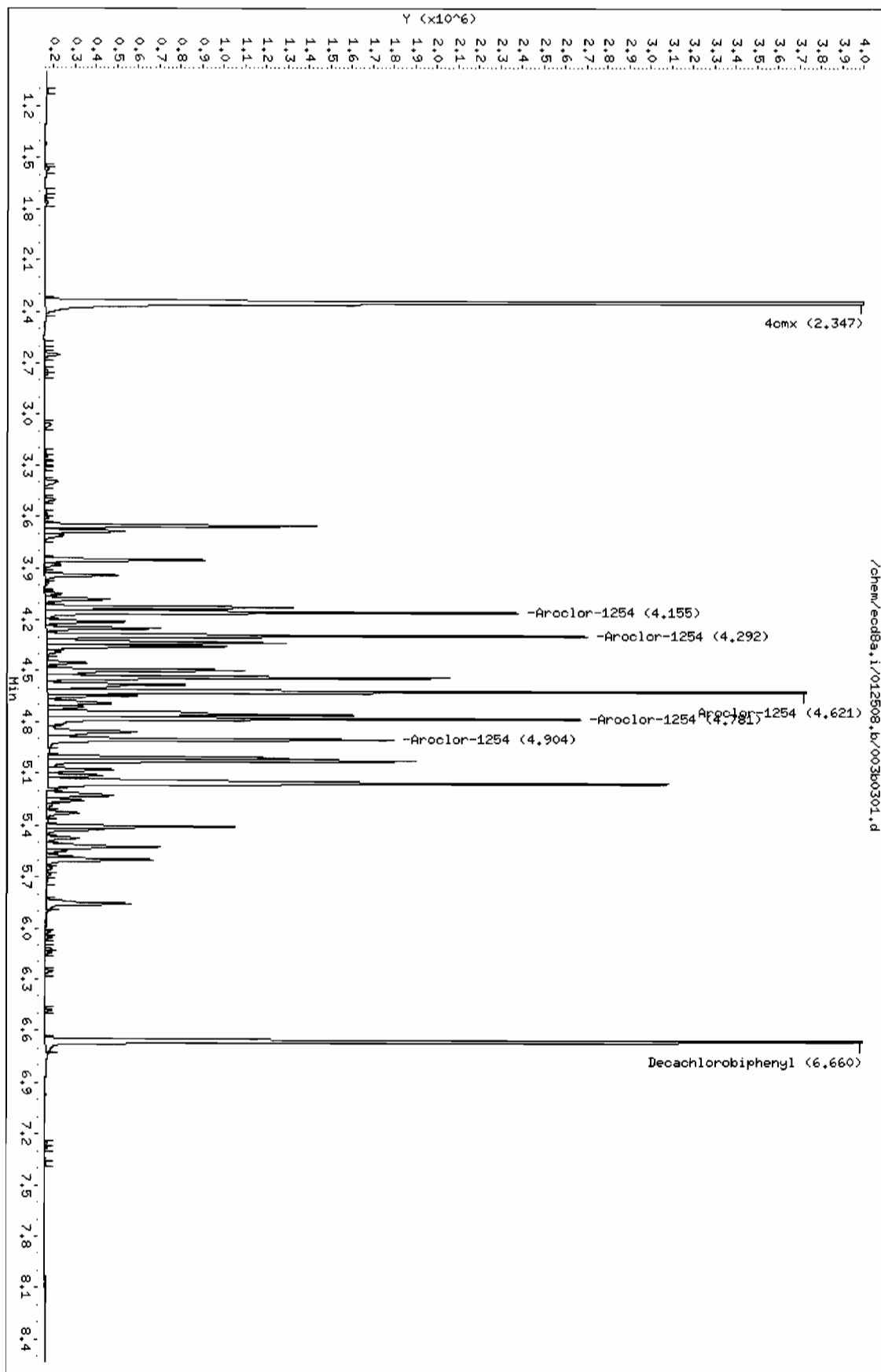
\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.660	6.659	0.001	4245218	100.000	109	80.00-	120.00	100.00

6 Aroclor-1254					CAS #: 11097-69-1			
4.155	4.155	0.000	2037445	1000.00	923	80.00-	120.00	100.00
4.292	4.292	0.000	2210283	1000.00	899	88.48-	128.48	108.48
4.621	4.621	0.000	3035010	1000.00	905	128.96-	168.96	148.96
4.781	4.781	0.000	2273724	1000.00	924	91.60-	131.60	111.60
4.904	4.904	0.000	1540353	1000.00	938	55.60-	95.60	75.60
Average of Peak Amounts =					918			

Data File: /chem/ecd8a.i/012508.b/00360301.d
Date: 25-JAN-2008 07:45
Client ID: AR125401
Sample Info: 11APR071205-54

Column phase: CLP2

Instrument: ecd8a.i
Operator: JHOC
Column diameter: 0.25



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RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL
 Data file : /chem/ecd8a.i/012508.b/004f0401.d
 Lab Smp Id: WAR071105-42 Client Smp ID: AR124201
 Inj Date : 25-JAN-2008 07:57
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |WAR071105-42
 Misc Info :
 Comment :
 Method : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m
 Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
 Cal Date : 23-JAN-2008 13:33 Cal File: 025f2501.d
 Als bottle: 4 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1242.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 11 4cmx					CAS #: 877-09-8			
2.135	2.135	0.000	6619332	100.000	100	80.00-	120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
6.074	6.073	0.001	4832875	100.000	100	80.00-	120.00	100.00

4 Aroclor-1242					CAS #: 53469-21-9			
2.676	2.676	0.000	1769394	1000.00	890	80.00-	120.00	100.00 (M)
3.020	3.020	0.000	2340963	1000.00	966	112.30-	152.30	132.30
3.115	3.115	0.000	1479932	1000.00	924	63.64-	103.64	83.64
3.160	3.160	0.000	943837	1000.00	961	33.34-	73.34	53.34
3.252	3.252	0.000	739355	1000.00	900	21.79-	61.79	41.79
Average of Peak Amounts =					928			

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecdb8a.i/012508.b/004f0401.d

Date : 25-JAN-2008 07:57

Client ID: AR124201

Sample Info: 1MAR071105-42

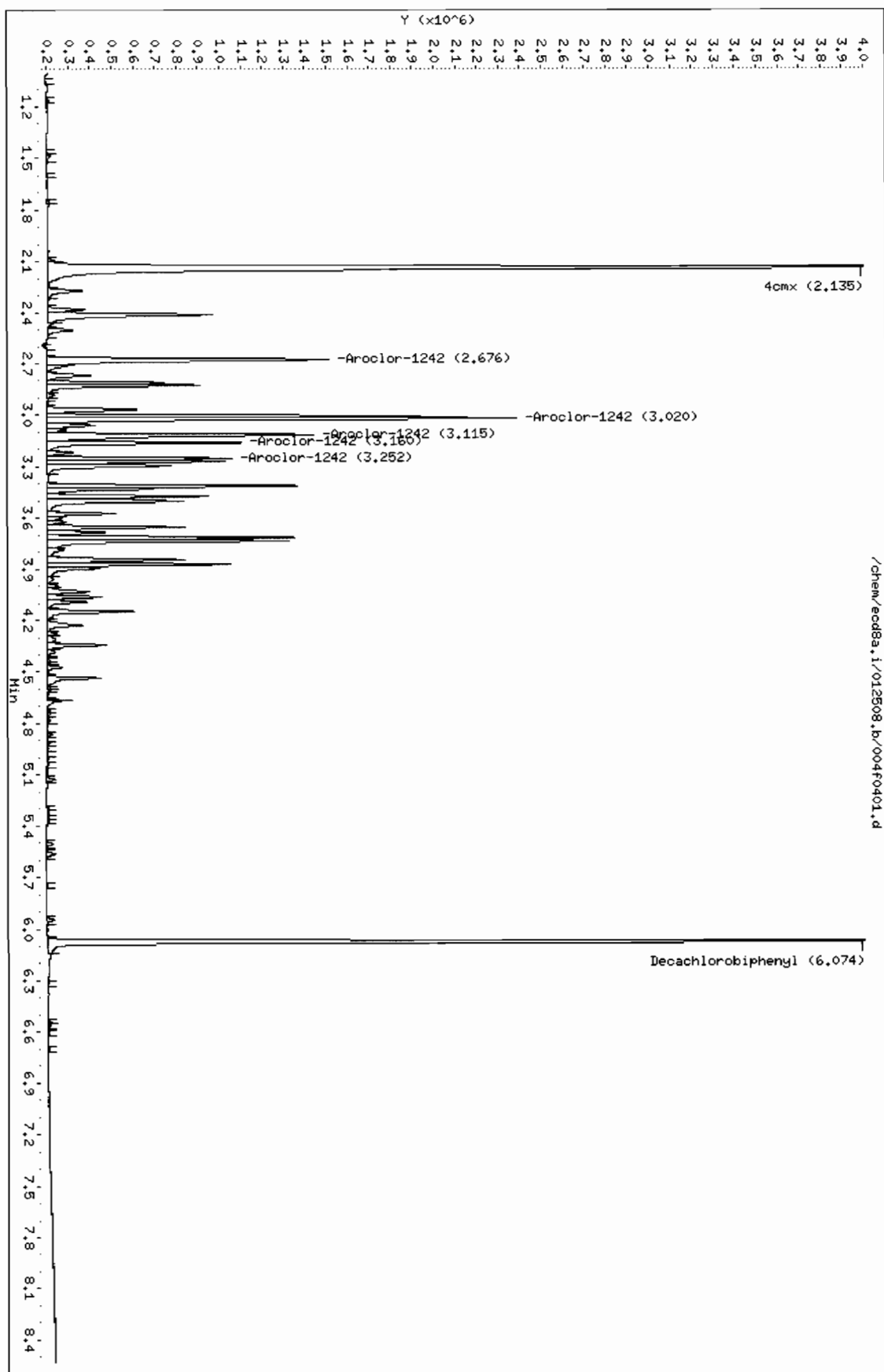
Column phase: CLP1

Instrument: ecdb8a.i

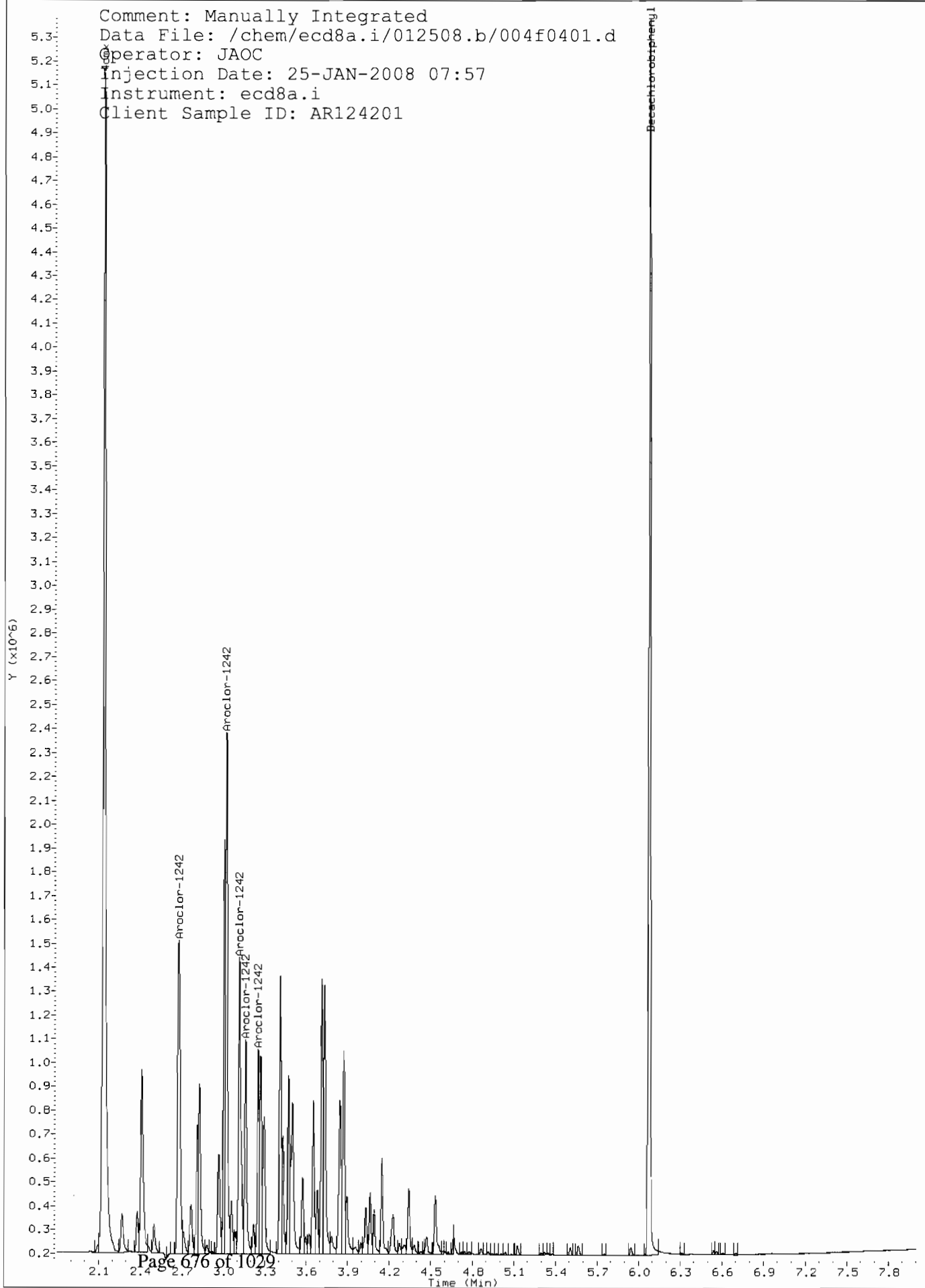
Operator: JROC

Column diameter: 0.25

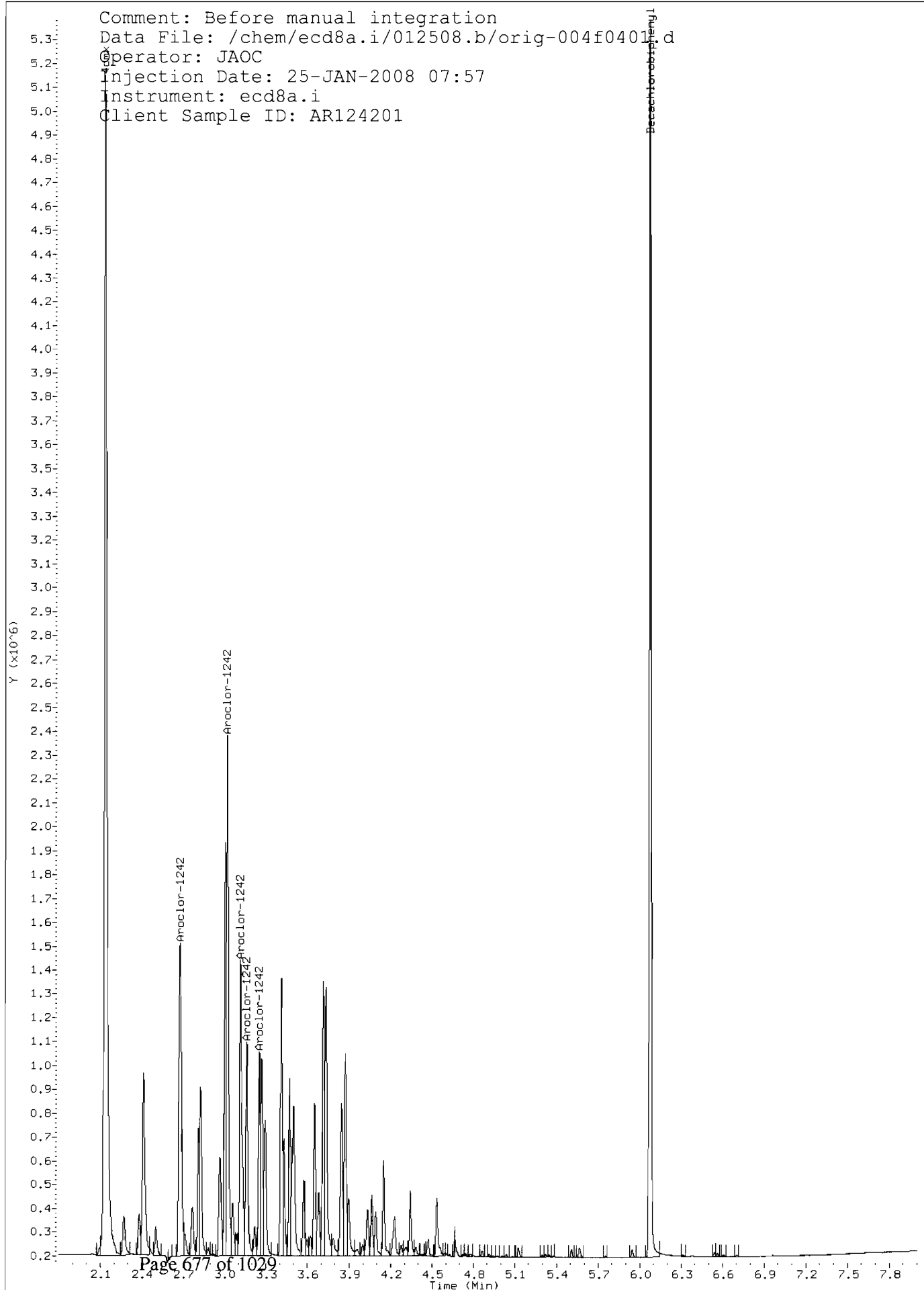
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Comment: Manually Integrated
Data File: /chem/ecd8a.i/012508.b/004f0401.d
Operator: JAOC
Injection Date: 25-JAN-2008 07:57
Instrument: ecd8a.i
Client Sample ID: AR124201



Comment: Before manual integration
Data File: /chem/ecd8a.i/012508.b/orig-004f0401.d
Operator: JAOC
Injection Date: 25-JAN-2008 07:57
Instrument: ecd8a.i
Client Sample ID: AR124201



Data File: /chem/ecd8a.i/012508.b/004b0401.d
Report Date: 28-Jan-2008 14:59

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RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/004b0401.d
Lab Smp Id: WAR071105-42 Client Smp ID: AR124201
Inj Date : 25-JAN-2008 07:57
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR071105-42
Misc Info :
Comment :
Method : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m
Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
Cal Date : 23-JAN-2008 13:58 Cal File: 027b2701.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS						
		CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 11 4cmx				CAS #: 877-09-8		
2.347	2.346	0.001	5536699 100.000	107	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl				CAS #: 2051-24-3		
6.659	6.659	0.000	4029475 100.000	103	80.00- 120.00	100.00

4 Aroclor-1242				CAS #: 53469-21-9		
3.408	3.408	0.000	1900277 1000.00	964	80.00- 120.00	100.00 (M)
3.507	3.507	0.000	1180470 1000.00	939	42.12- 82.12	62.12
3.583	3.583	0.000	708510 1000.00	961	17.28- 57.28	37.28
3.852	3.852	0.000	952498 1000.00	921	30.12- 70.12	50.12
4.127	4.127	0.000	942367 1000.00	909	29.59- 69.59	49.59
Average of Peak Amounts =				939		

QC Flag Legend

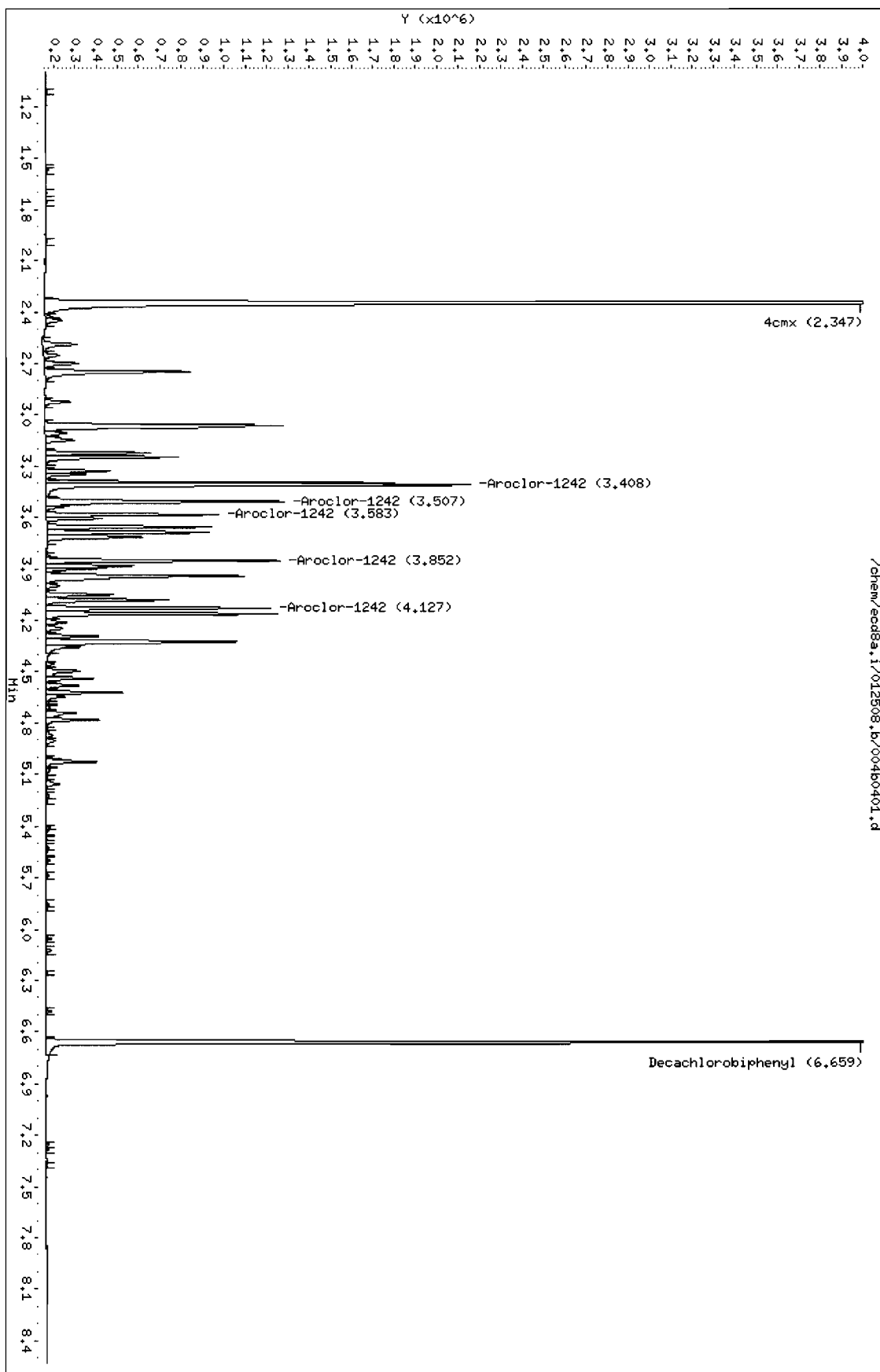
M - Compound response manually integrated.

Data File: /chem/ecdb8a.i/012508.b/004b0401.d
Date: 25-JAN-2008 07:57
Client ID: AR124201
Sample Info: 1148071105-42

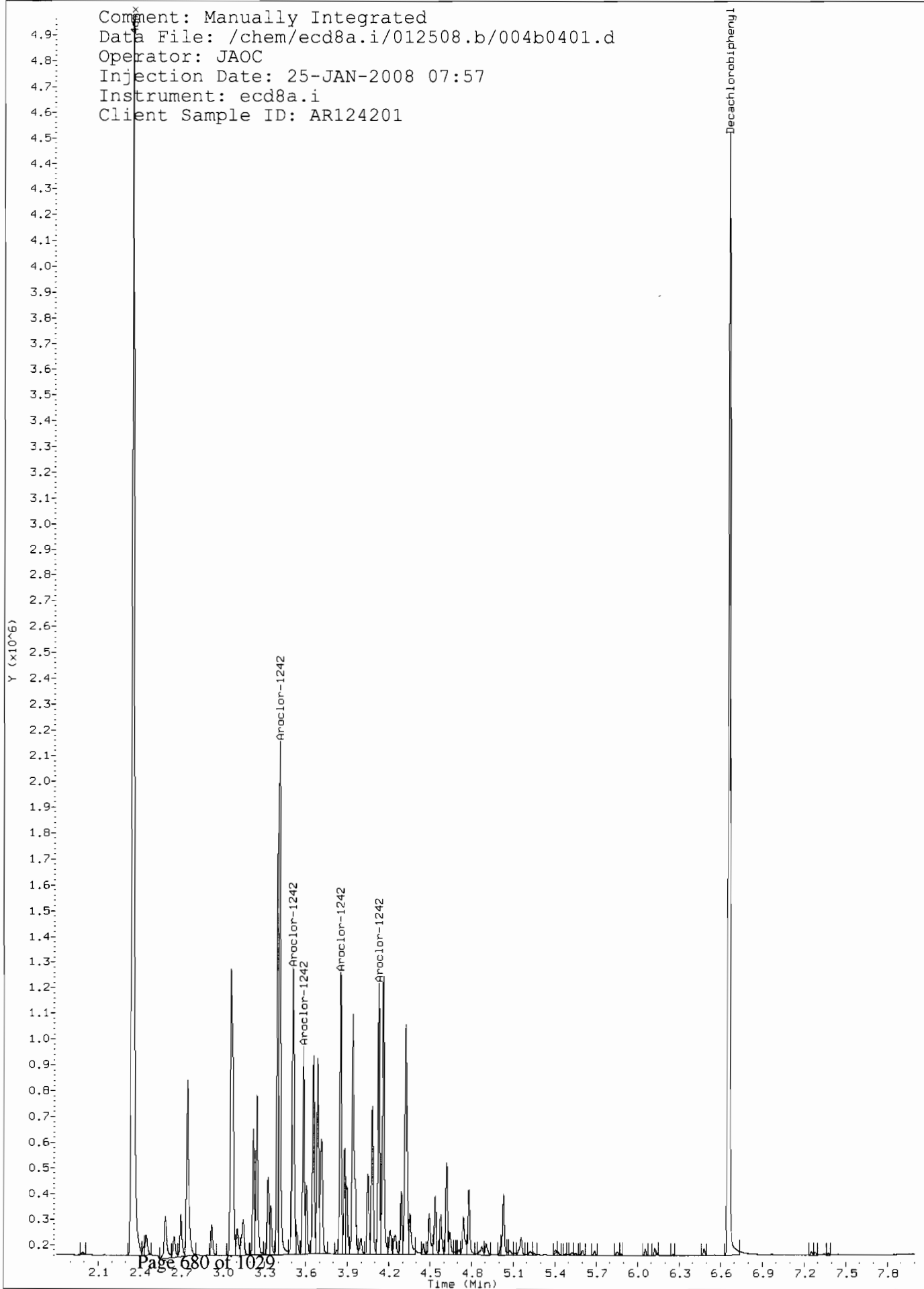
Column phase: CLP2

Instrument: ecdb8a.i
Operator: JHOC
Column diameter: 0.25

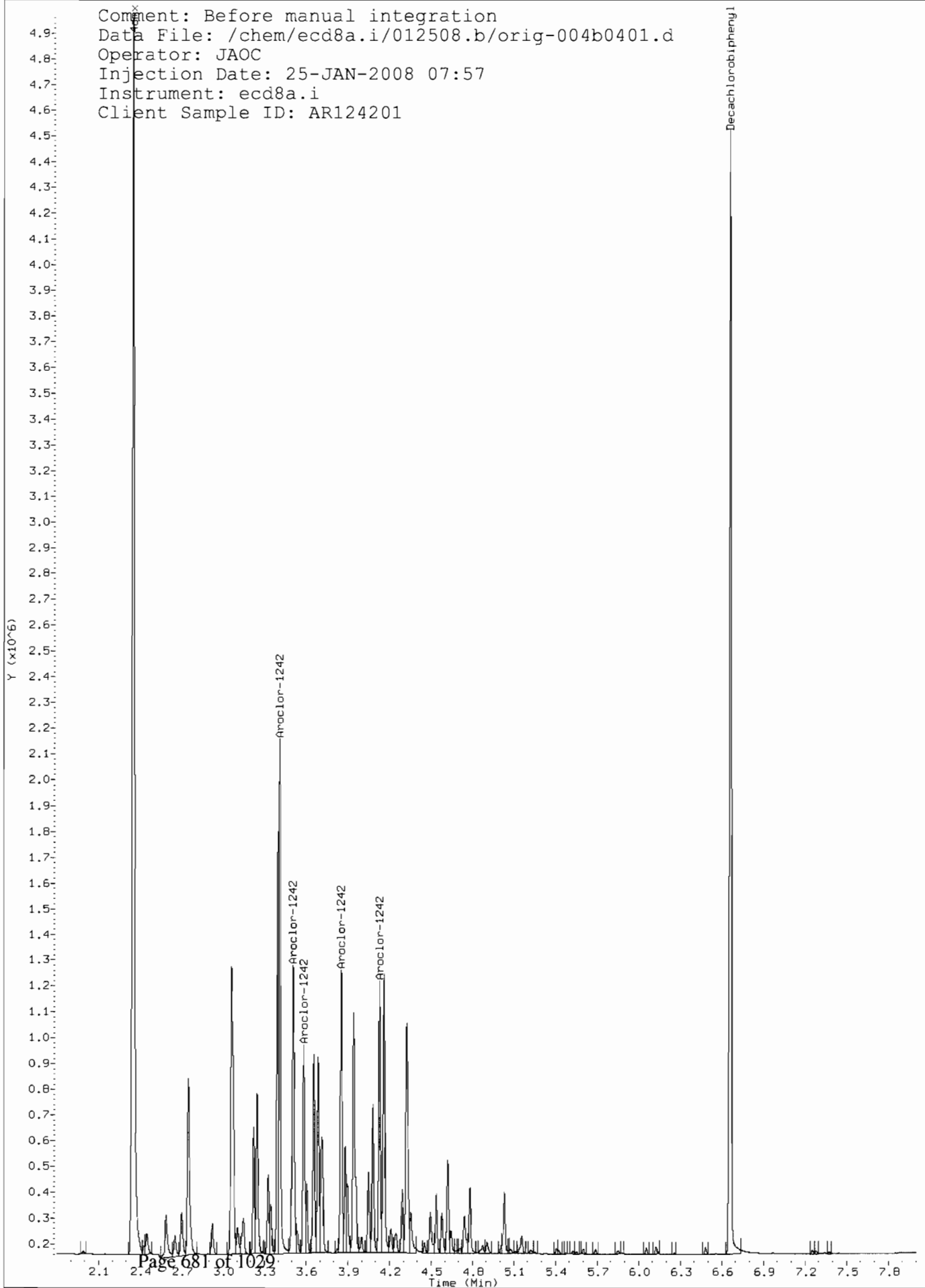
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Comment: Manually Integrated
Data File: /chem/ecd8a.i/012508.b/004b0401.d
Operator: JAOC
Injection Date: 25-JAN-2008 07:57
Instrument: ecd8a.i
Client Sample ID: AR124201



Comment: Before manual integration
Data File: /chem/ecd8a.i/012508.b/orig-004b0401.d
Operator: JAOC
Injection Date: 25-JAN-2008 07:57
Instrument: ecd8a.i
Client Sample ID: AR124201



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RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/005f0501.d
 Lab Smp Id: WAR071220-48 Client Smp ID: AR124801
 Inj Date : 25-JAN-2008 08:09
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |WAR071220-48
 Misc Info :
 Comment :
 Method : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m
 Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
 Cal Date : 23-JAN-2008 13:33 Cal File: 025f2501.d
 Als bottle: 5 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1248.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS						
			CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 11 4cmx				CAS #: 877-09-8		
2.136	2.135	0.001	5712438 100.000	86.6	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl				CAS #: 2051-24-3		
6.074	6.073	0.001	4304766 100.000	89.6	80.00- 120.00	100.00

5 Aroclor-1248				CAS #: 12672-29-6		
3.252	3.252	0.000	1369954 1000.00	850	80.00- 120.00	100.00(M)
3.269	3.269	0.000	1294287 1000.00	878	74.48- 114.48	94.48
3.472	3.472	0.000	1450128 1000.00	887	85.85- 125.85	105.85
3.714	3.714	0.000	2041912 1000.00	857	129.05- 169.05	149.05
3.734	3.734	0.000	2071585 1000.00	878	131.22- 171.22	151.22
Average of Peak Amounts =				870		

QC Flag Legend

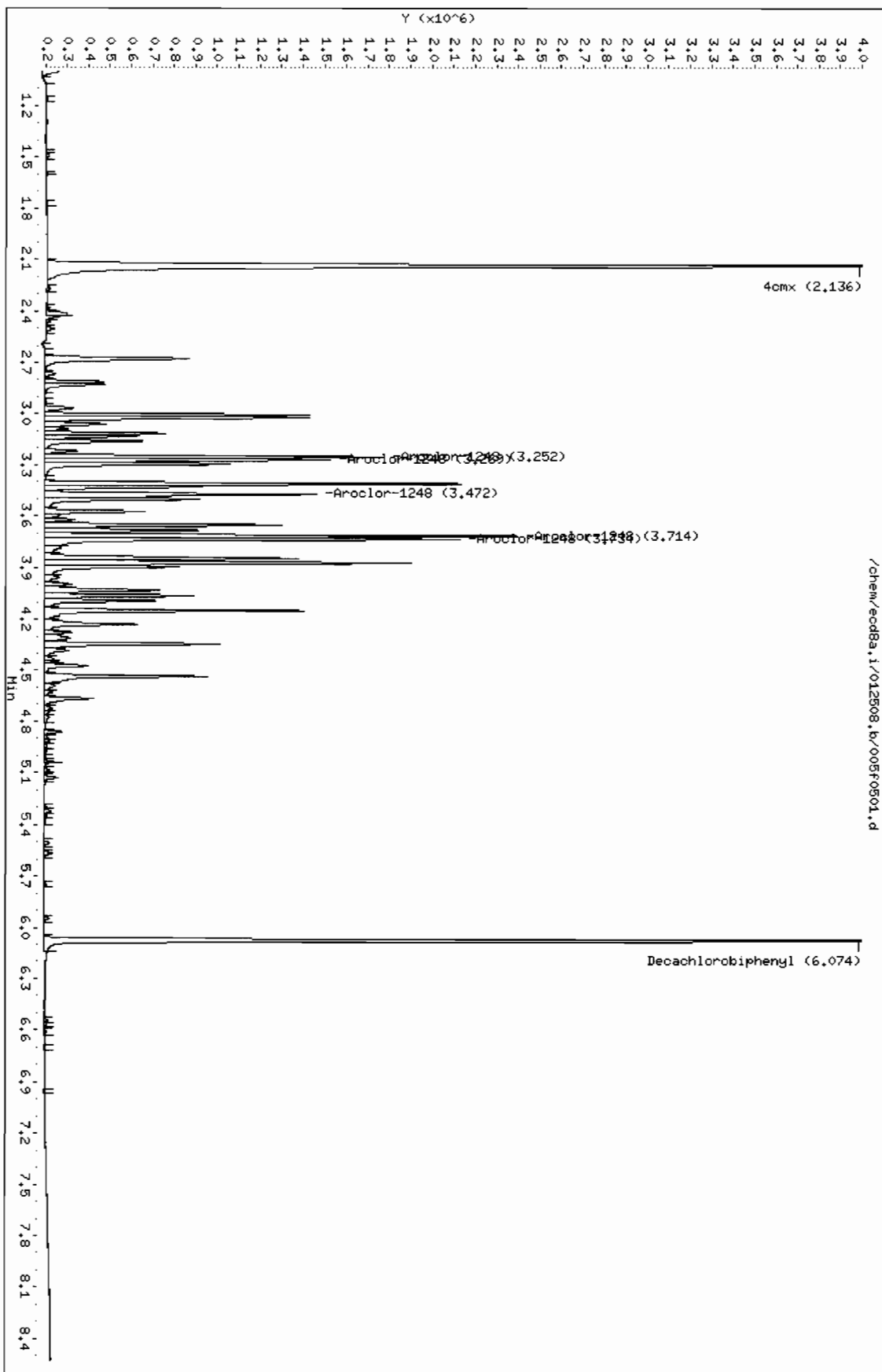
M - Compound response manually integrated.

Data File: /chem/ecdb8a.i/012508.b/005f0501.d
Date: 25-JAN-2008 08:09
Client ID: AR124801
Sample Info: 1HAR071220-48

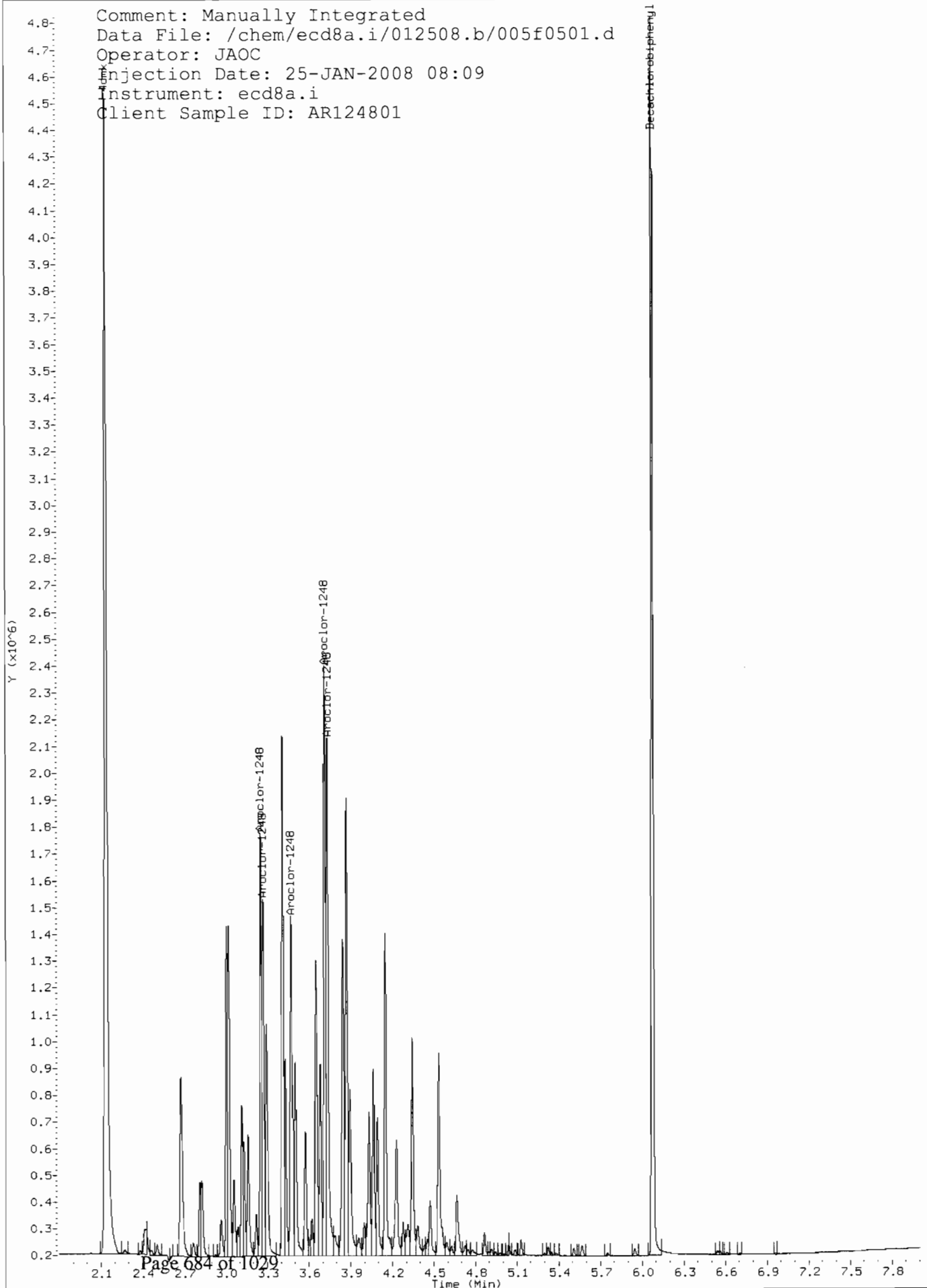
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Column phase: CLP1

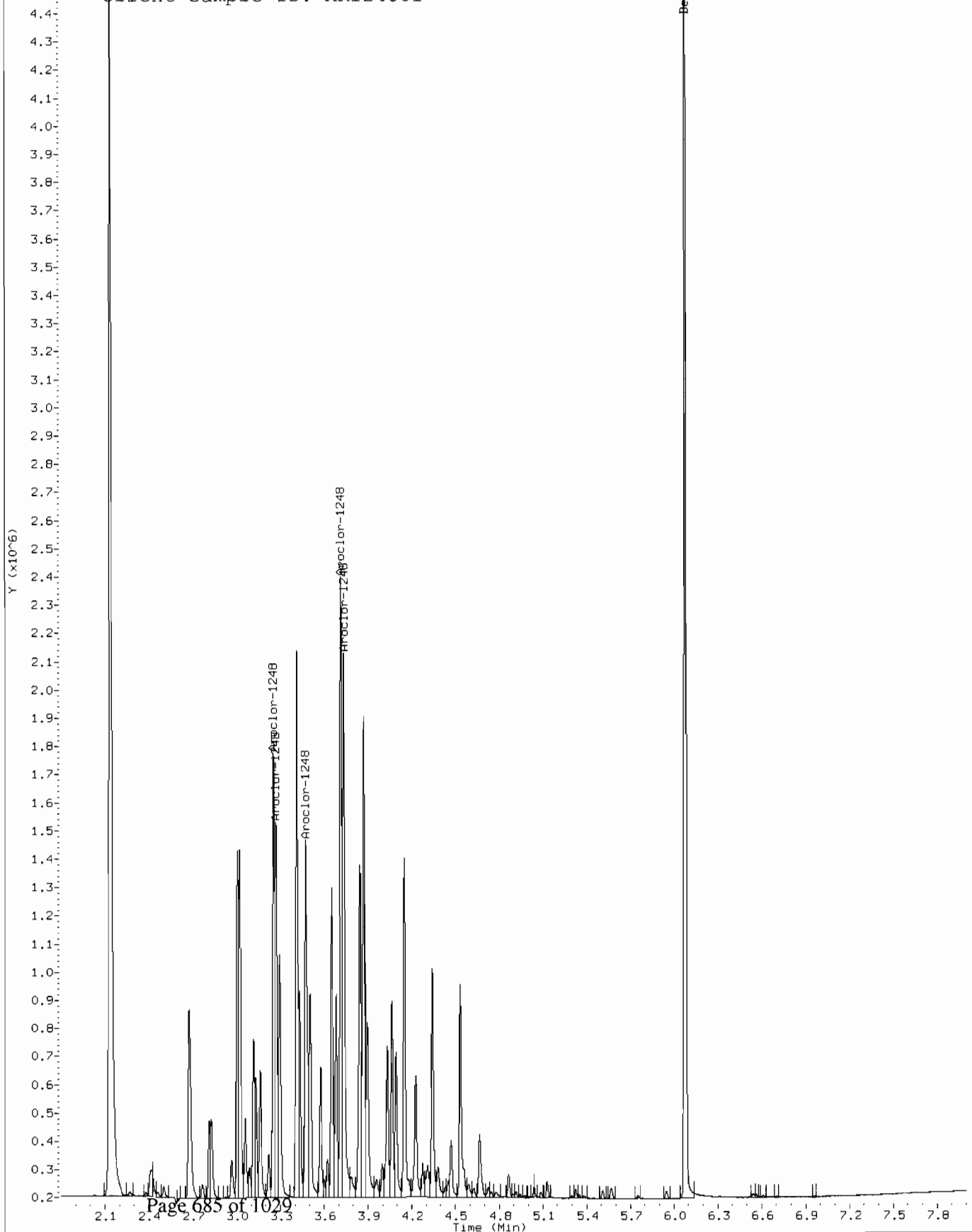
Instrument: ecdb8a.i
Operator: JHOC
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012508.b/005f0501.d
Operator: JAOC
Injection Date: 25-JAN-2008 08:09
Instrument: ecd8a.i
Client Sample ID: AR124801



Comment: Before manual integration
Data File: /chem/ecd8a.i/012508.b/orig-005f0501.d
Operator: JAOC
Injection Date: 25-JAN-2008 08:09
Instrument: ecd8a.i
Client Sample ID: AR124801



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RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012508.b/005b0501.d
Lab Smp Id: WAR071220-48 Client Smp ID: AR124801
Inj Date : 25-JAN-2008 08:09
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR071220-48
Misc Info :
Comment :
Method : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m
Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
Cal Date : 23-JAN-2008 13:58 Cal File: 027b2701.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO
----	-----	-----	-----	-----	-----	-----	-----
\$ 11 4cmx					CAS #: 877-09-8		
2.347	2.346	0.001	4771037	100.000	92.1	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.659	6.659	0.000	3567781	100.000	91.6	80.00- 120.00	100.00

5 Aroclor-1248					CAS #: 12672-29-6		
3.655	3.655	0.000	1258885	1000.00	884	80.00- 120.00	100.00(M)
3.852	3.852	0.000	1564150	1000.00	892	104.25- 144.25	124.25
3.940	3.940	0.000	1692819	1000.00	888	114.47- 154.47	134.47
4.127	4.127	0.000	1756592	1000.00	882	119.54- 159.54	139.54
4.159	4.159	0.000	1971926	1000.00	880	136.64- 176.64	156.64
Average of Peak Amounts =					885		

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecdb8a.i/012508.b/005b0501.d
Date : 25-JAN-2008 08:09
Client ID: AR124801
Sample Info: 1MAR071220-48

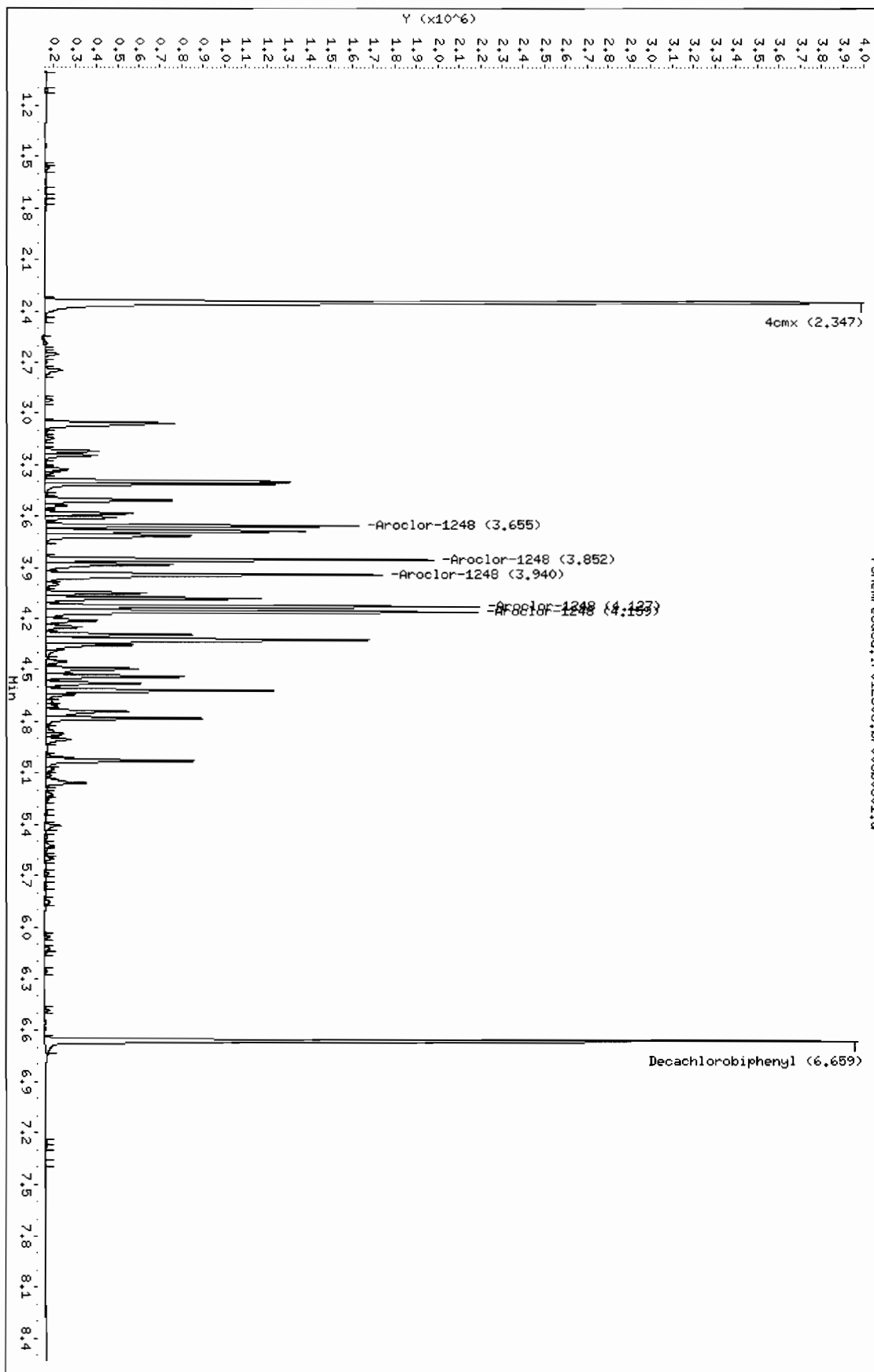
Instrument: ecdb8a.i

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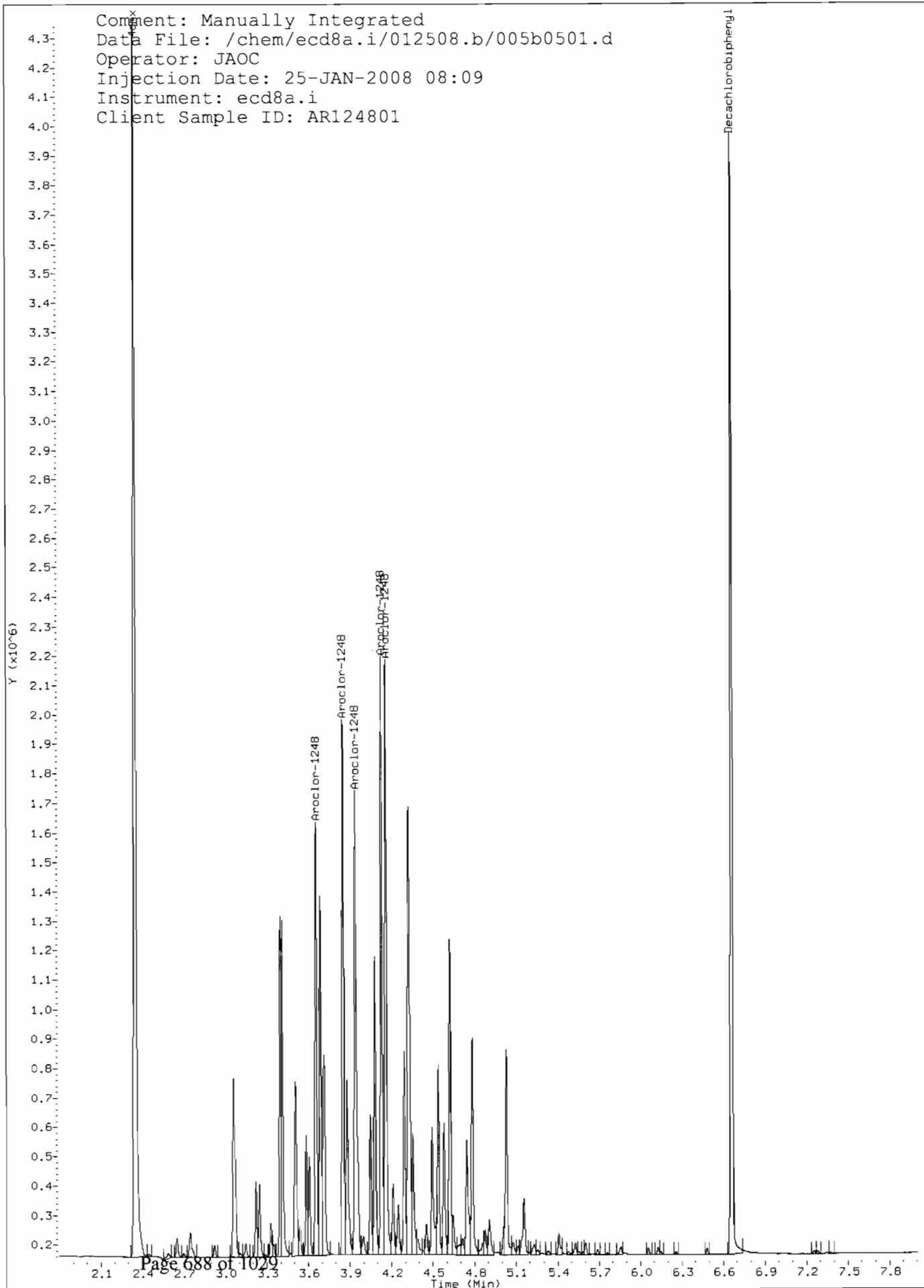
Column phase: CLP2

Operator: JHOC
Column diameter: 0.25

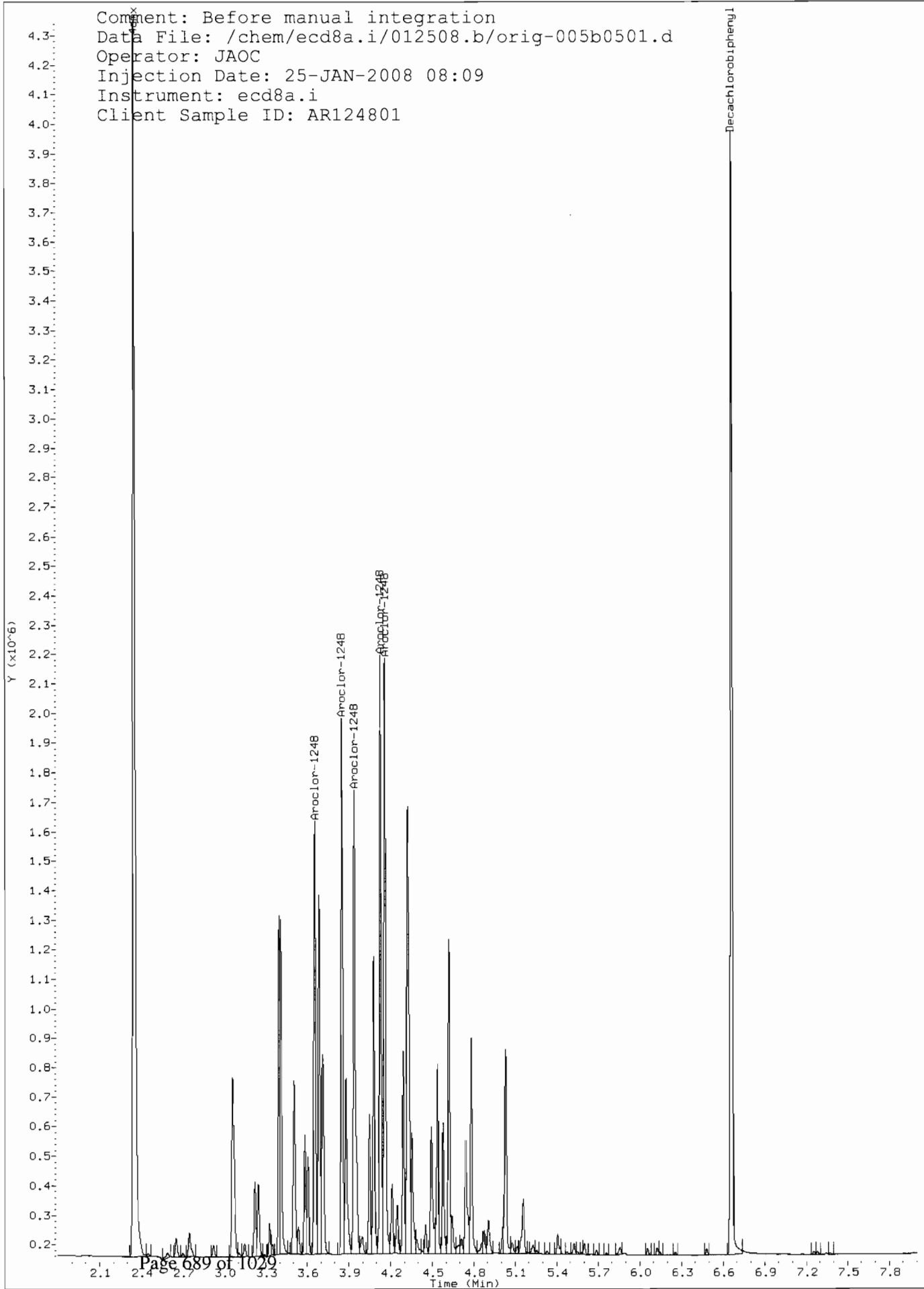
/chem/ecdb8a.i/012508.b/005b0501.d



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012508.b/005b0501.d
Operator: JAOC
Injection Date: 25-JAN-2008 08:09
Instrument: ecd8a.i
Client Sample ID: AR124801



Comment: Before manual integration
Data File: /chem/ecd8a.i/012508.b/orig-005b0501.d
Operator: JAOC
Injection Date: 25-JAN-2008 08:09
Instrument: ecd8a.i
Client Sample ID: AR124801



Data File: /chem/ecd8a.i/012508.b/006f0601.d
 Report Date: 28-Jan-2008 14:59

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RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL
 Data file : /chem/ecd8a.i/012508.b/006f0601.d
 Lab Smp Id: WAR071205-32 Client Smp ID: AR123201
 Inj Date : 25-JAN-2008 08:22
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |WAR071205-32
 Misc Info :
 Comment :
 Method : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m
 Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
 Cal Date : 23-JAN-2008 13:33 Cal File: 025f2501.d
 Als bottle: 6 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1232.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.136	2.135	0.001	6702352	100.000	102	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.074	6.073	0.001	4909111	100.000	102	80.00- 120.00	100.00

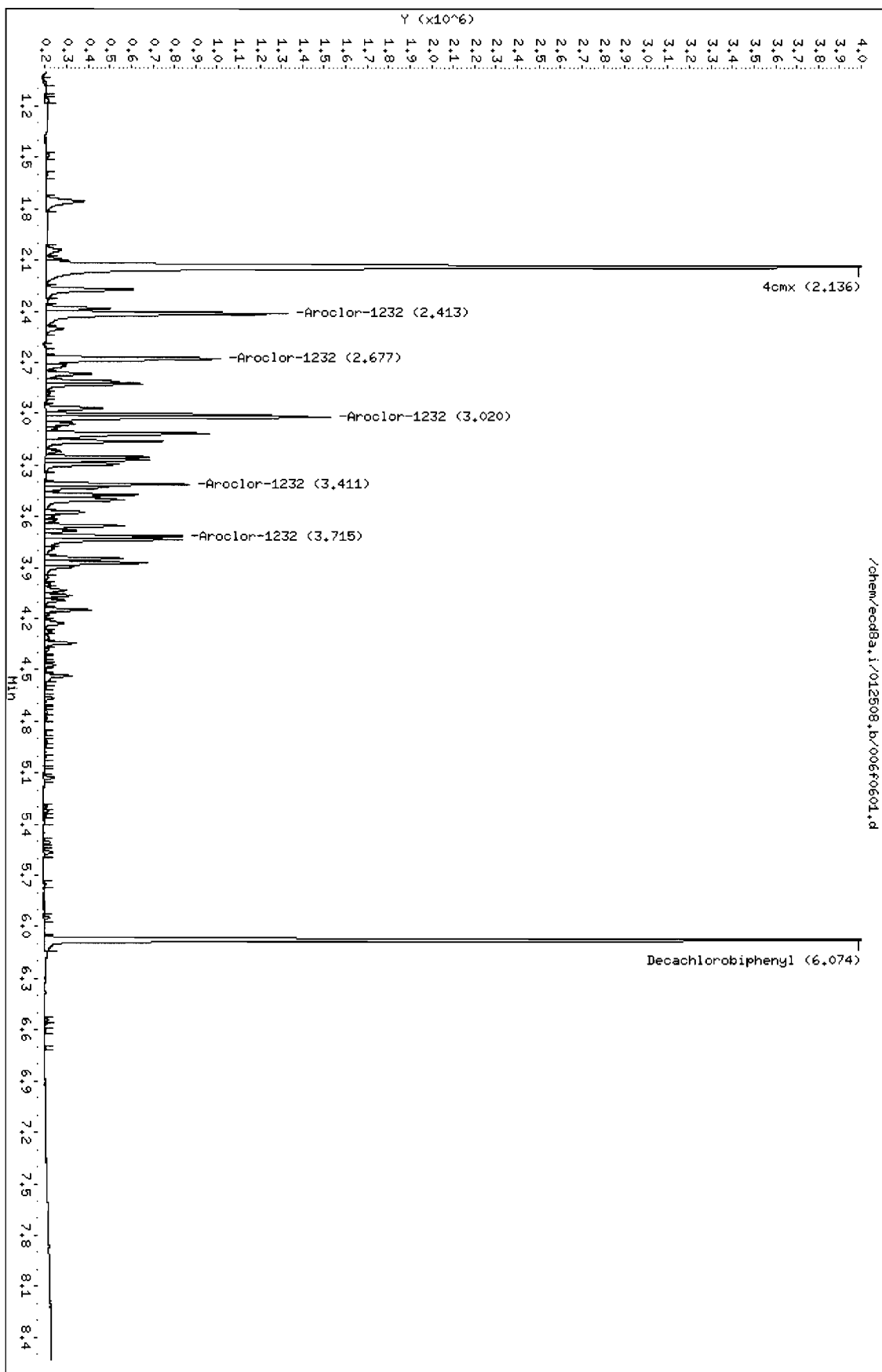
3 Aroclor-1232					CAS #: 11141-16-5		
2.413	2.413	0.000	1477939	1000.00	981	80.00- 120.00	100.00
2.677	2.677	0.000	1110659	1000.00	976	55.15- 95.15	75.15
3.020	3.020	0.000	1383808	1000.00	970	73.63- 113.63	93.63
3.411	3.411	0.000	622042	1000.00	970	22.09- 62.09	42.09
3.715	3.715	0.000	596214	1000.00	998	20.34- 60.34	40.34
Average of Peak Amounts =					979		

Data File: /chem/ecd8a.i/012508.b/006f0601.d
Date: 25-JAN-2008 08:22
Client ID: AR123201
Sample Info: 11AR071205-32

Column phase: CLP1

Instrument: ecd8a.i
Operator: JHOC
Column diameter: 0.25

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Data File: /chem/ecd8a.i/012508.b/006b0601.d
 Report Date: 28-Jan-2008 14:59

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/006b0601.d
 Lab Smp Id: WAR071205-32 Client Smp ID: AR123201
 Inj Date : 25-JAN-2008 08:22
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |WAR071205-32
 Misc Info :
 Comment :
 Method : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m
 Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
 Cal Date : 23-JAN-2008 13:58 Cal File: 027b2701.d
 Als bottle: 6 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR1232.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.347	2.346	0.001	5505300	100.000	106	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.659	6.659	0.000	4059487	100.000	104	80.00- 120.00	100.00

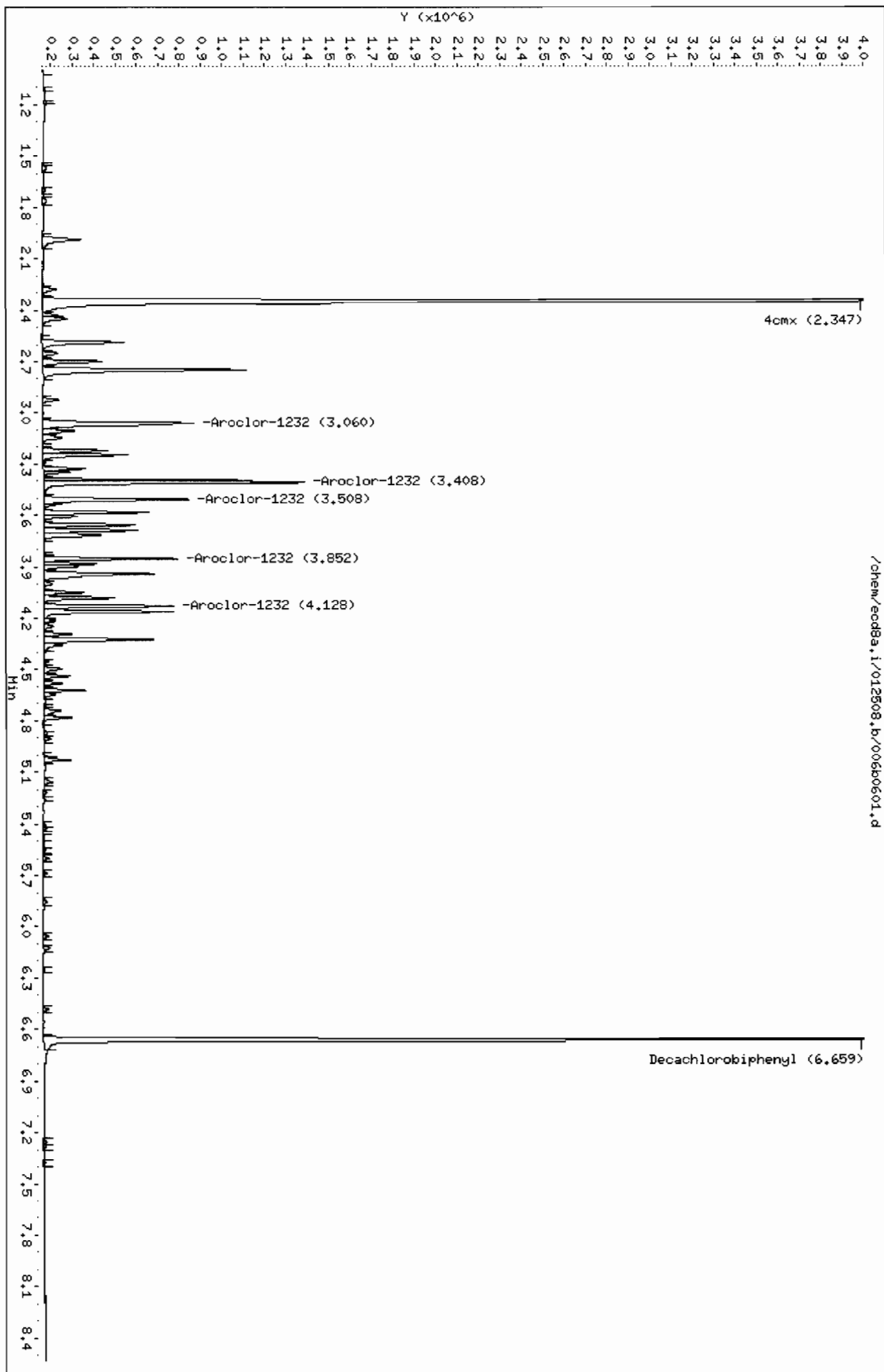
3 Aroclor-1232					CAS #: 11141-16-5		
3.060	3.060	0.000	998073	1000.00	991	80.00- 120.00	100.00
3.408	3.408	0.000	1149481	1000.00	1000	95.17- 135.17	115.17
3.508	3.508	0.000	730316	1000.00	1010	53.17- 93.17	73.17
3.852	3.852	0.000	543350	1000.00	1020	34.44- 74.44	54.44
4.128	4.128	0.000	534627	1000.00	1010	33.57- 73.57	53.57
Average of Peak Amounts =					1.01e+03		

Data File: /chem/ecdb8a.i/012508.b/006b0601.d
Date: 25-JAN-2008 08:22
Client ID: AR123201
Sample Info: 1MAR071205-32

Column phase: CLP2

Instrument: ecdb8a.i
Operator: JHDC
Column diameter: 0.25

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Data File: /chem/ecd8a.i/012508.b/007f0701.d
Report Date: 28-Jan-2008 15:00

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GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/007f0701.d

Lab Smp Id: WAR071022-21

Client Smp ID: AR122101

Inj Date : 25-JAN-2008 08:43

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |WAR071022-21

Misc Info :

Comment :

Method : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m

Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD

Cal Date : 23-JAN-2008 13:33

Cal File: 025f2501.d

Als bottle: 7

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1221.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
RESPONSE (ug/L)						
\$ 11 4cmx				CAS #: 877-09-8		
2.139	2.135	0.004	6426170 100.000	97.4	80.00- 120.00	100.00
\$ 12 Decachlorobiphenyl				CAS #: 2051-24-3		
6.078	6.073	0.005	4748262 100.000	98.8	80.00- 120.00	100.00
2 Aroclor-1221				CAS #: 11104-28-2		
2.275	2.275	0.000	721682 1000.00	954	80.00- 120.00	100.00
2.385	2.385	0.000	388646 1000.00	951	33.85- 73.85	53.85
2.416	2.416	0.000	1672283 1000.00	941	211.72- 251.72	231.72
Average of Peak Amounts =			949			

Data File: /chem/ecdb8a.i/012508.b/007f0701.d

Date : 25-JAN-2008 08:43

Client ID: AR122101

Sample Info: 1MAR071022-21

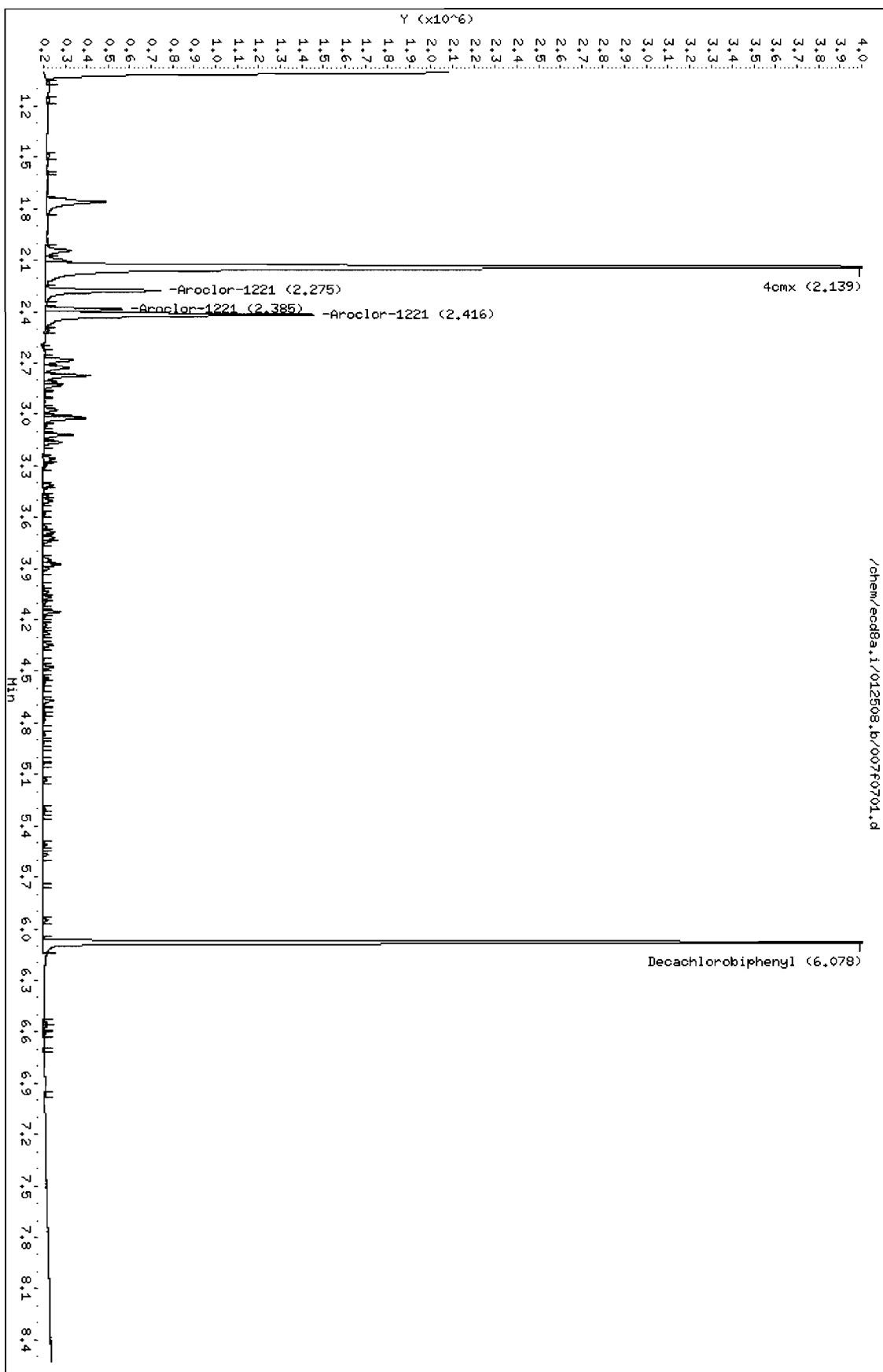
Column phase: CLP1

Instrument: ecdb8a.i

Operator: JAOC

Column diameter: 0.25

Page 1



Data File: /chem/ecd8a.i/012508.b/007b0701.d
Report Date: 28-Jan-2008 14:59

Page 1

GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/007b0701.d

Lab Smp Id: WAR071022-21

Client Smp ID: AR122101

Inj Date : 25-JAN-2008 08:43

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |WAR071022-21

Misc Info :

Comment :

Method : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m

Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD

Cal Date : 23-JAN-2008 13:58

Cal File: 027b2701.d

Als bottle: 7

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1221.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 11 4cmx						
CAS #: 877-09-8						
2.347	2.346	0.001	5292960 100.000	102	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl						
CAS #: 2051-24-3						
6.662	6.659	0.003	3914662 100.000	100	80.00- 120.00	100.00

2 Aroclor-1221						
CAS #: 11104-28-2						
2.588	2.588	0.000	602439 1000.00	935	80.00- 120.00	100.00
2.700	2.700	0.000	364335 1000.00	946	40.48- 80.48	60.48
2.747	2.747	0.000	1272760 1000.00	960	191.27- 231.27	211.27
Average of Peak Amounts =				947		

Data File: /chem/ecdb8.i/012508.b/007b0701.d
Date : 25-JAN-2008 08:43
Client ID: AR122101
Sample Info: 1MAR071022-21

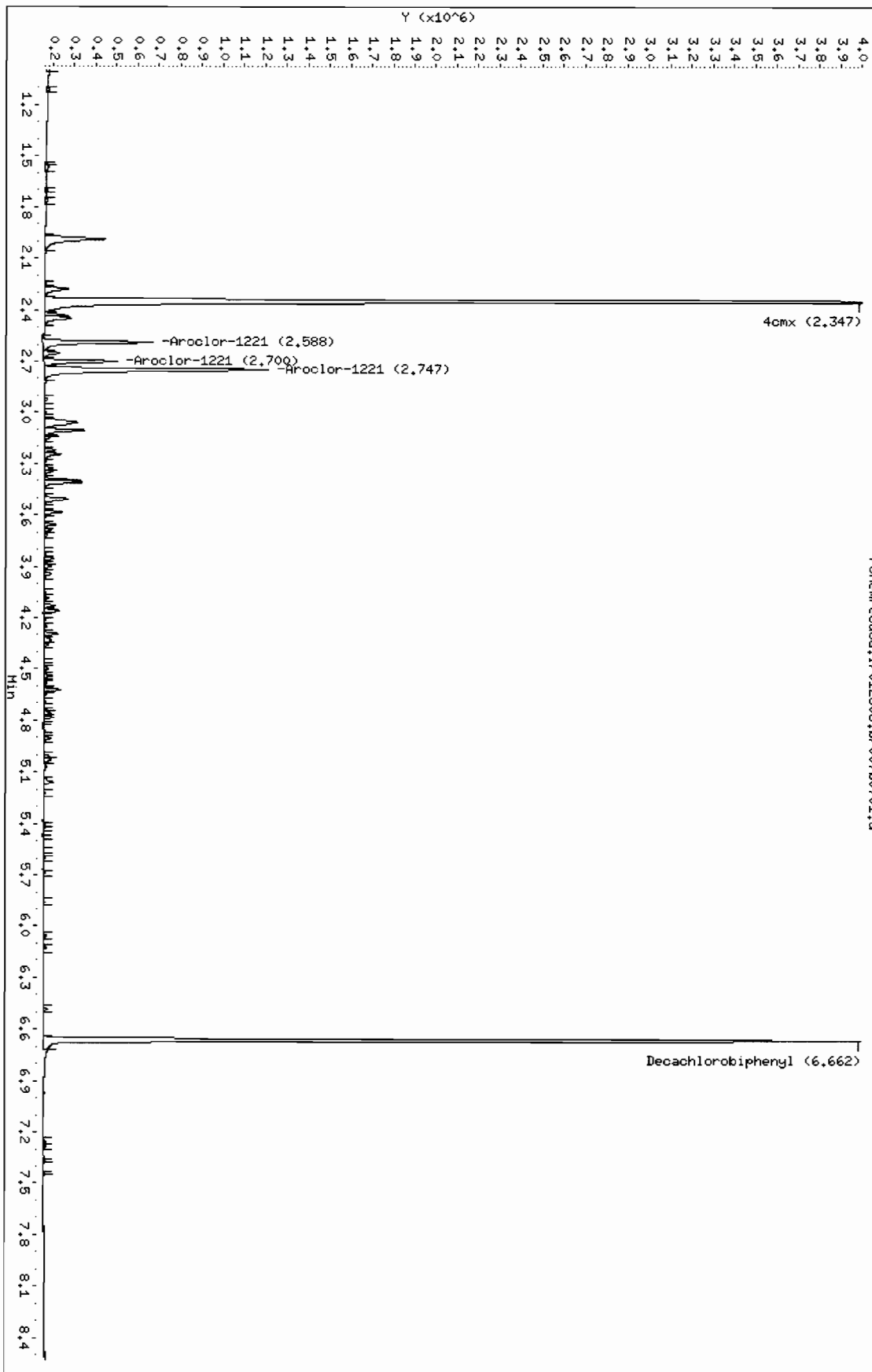
Instrument: ecdb8.i

Page 1

Column phase: CLP2

Operator: JADC
Column diameter: 0.25

/chem/ecdb8.i/012508.b/007b0701.d



GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/020f2001.d

Lab Smp Id: WAR080111-60

Client Smp ID: AR166002

Inj Date : 25-JAN-2008 11:23

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |WAR080111-60

Misc Info :

Comment :

Method : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m

Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD

Cal Date : 23-JAN-2008 13:33

Cal File: 025f2501.d

Als bottle: 20

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: AR1660.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.136	2.135	0.001	6355229	100.000	96.4	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.073	6.073	0.000	4754211	100.000	99.0	80.00- 120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2		
3.020	3.020	0.000	3053599	1000.00	974	80.00- 120.00	100.00
3.115	3.115	0.000	1924856	1000.00	924	40.43- 80.43	63.04
3.251	3.251	0.000	1003346	1000.00	915	41.75- 81.75	32.86
3.268	3.268	0.000	1072124	1000.00	910	43.59- 83.59	35.11
3.411	3.410	0.001	1415682	1000.00	915	60.65- 100.65	46.36
Average of Peak Amounts =					927		

7 Aroclor-1260					CAS #: 11096-82-5		
4.471	4.470	0.001	4330574	1000.00	1000	80.00- 120.00	100.00
4.664	4.663	0.001	4952337	1000.00	1000	103.69- 143.69	114.36
4.744	4.743	0.001	2223708	1000.00	996	107.02- 147.02	51.35
4.914	4.913	0.001	2517529	1000.00	1000	174.64- 214.64	58.13
5.127	5.127	0.000	5287492	1000.00	1020	123.18- 163.18	122.10
Average of Peak Amounts =					1.01e+03		

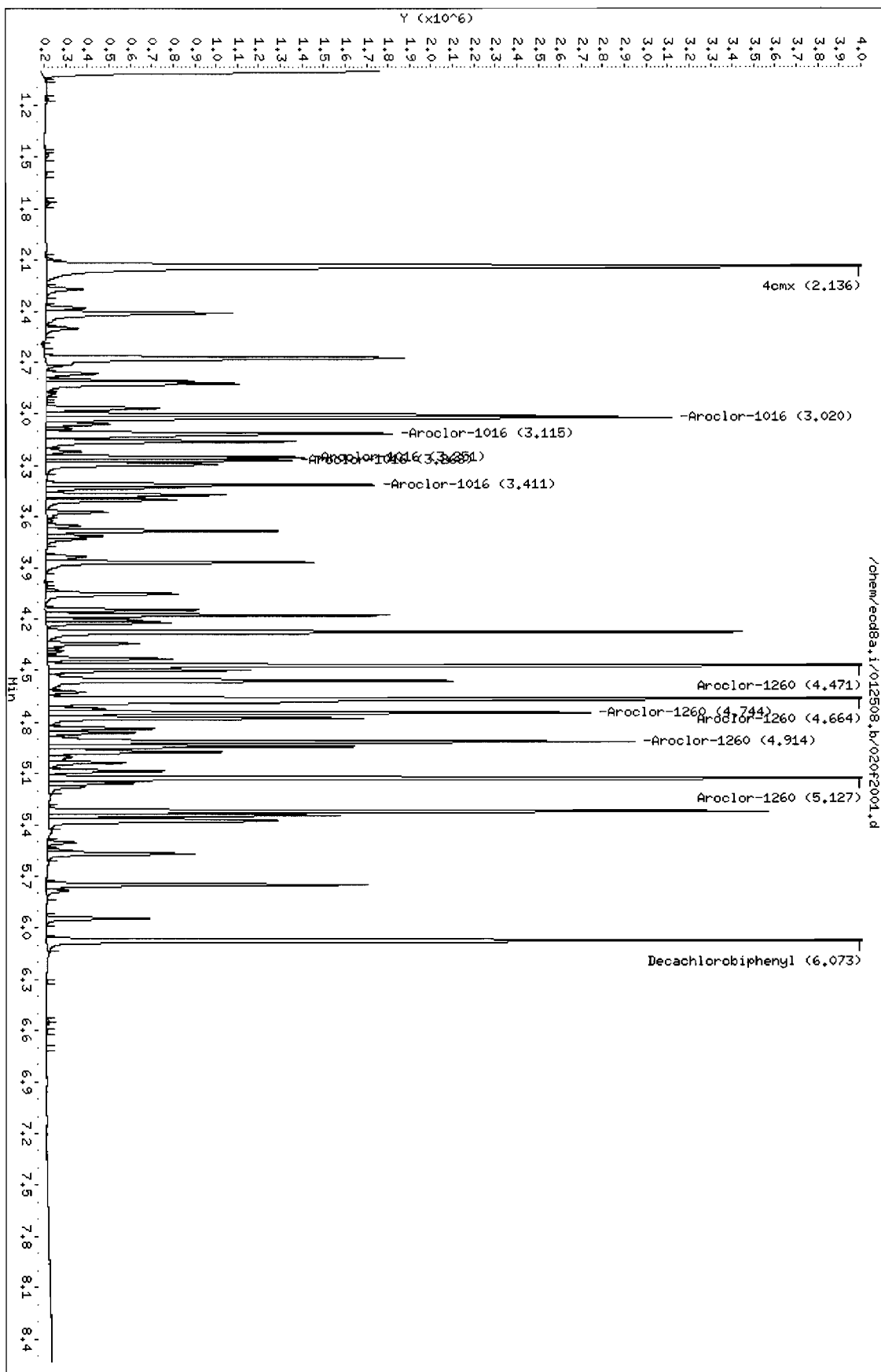
Data File: /chem/ecdb8a.i/012508.b/020f2001.d
Date : 25-JAN-2008 11:23
Client ID: AR166002
Sample Info: 1MAR080111-60

Instrument: ecdb8a.i

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Column phase: CLP1

Operator: JAOC
Column diameter: 0.25



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/020b2001.d
Lab Smp Id: WAR080111-60 Client Smp ID: AR166002
Inj Date : 25-JAN-2008 11:23
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |WAR080111-60
Misc Info :
Comment :
Method : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m
Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
Cal Date : 23-JAN-2008 13:58 Cal File: 027b2701.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.346	2.346	0.000	5185841	100.000	100	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.658	6.659	-0.001	3921066	100.000	101	80.00- 120.00	100.00

1 Aroclor-1016					CAS #: 12674-11-2		
3.506	3.506	0.000	1501003	1000.00	928	80.00- 120.00	100.00
3.583	3.584	-0.001	892185	1000.00	931	40.43- 80.43	59.44
3.655	3.655	0.000	921923	1000.00	917	41.75- 81.75	61.42
3.686	3.686	0.000	949304	1000.00	914	43.59- 83.59	63.24
3.851	3.851	0.000	1194033	1000.00	914	60.65- 100.65	79.55
Average of Peak Amounts =					921		

7 Aroclor-1260					CAS #: 11096-82-5		
4.756	4.757	-0.001	2350501	1000.00	985	80.00- 120.00	100.00
4.903	4.904	-0.001	2910742	1000.00	1000	103.69- 143.69	123.83
5.156	5.156	0.000	2914391	1000.00	1010	107.02- 147.02	123.99
5.598	5.599	-0.001	4594994	1000.00	1030	174.64- 214.64	195.49
5.856	5.856	0.000	3307658	1000.00	1020	123.18- 163.18	140.72
Average of Peak Amounts =					1.01e+03		

Data File: /chem/ecdb8a.i/012508.b/02062001.d

Date : 25-JAN-2008 11:23

Client ID: AR16002

Sample Info: 1MAR080111-60

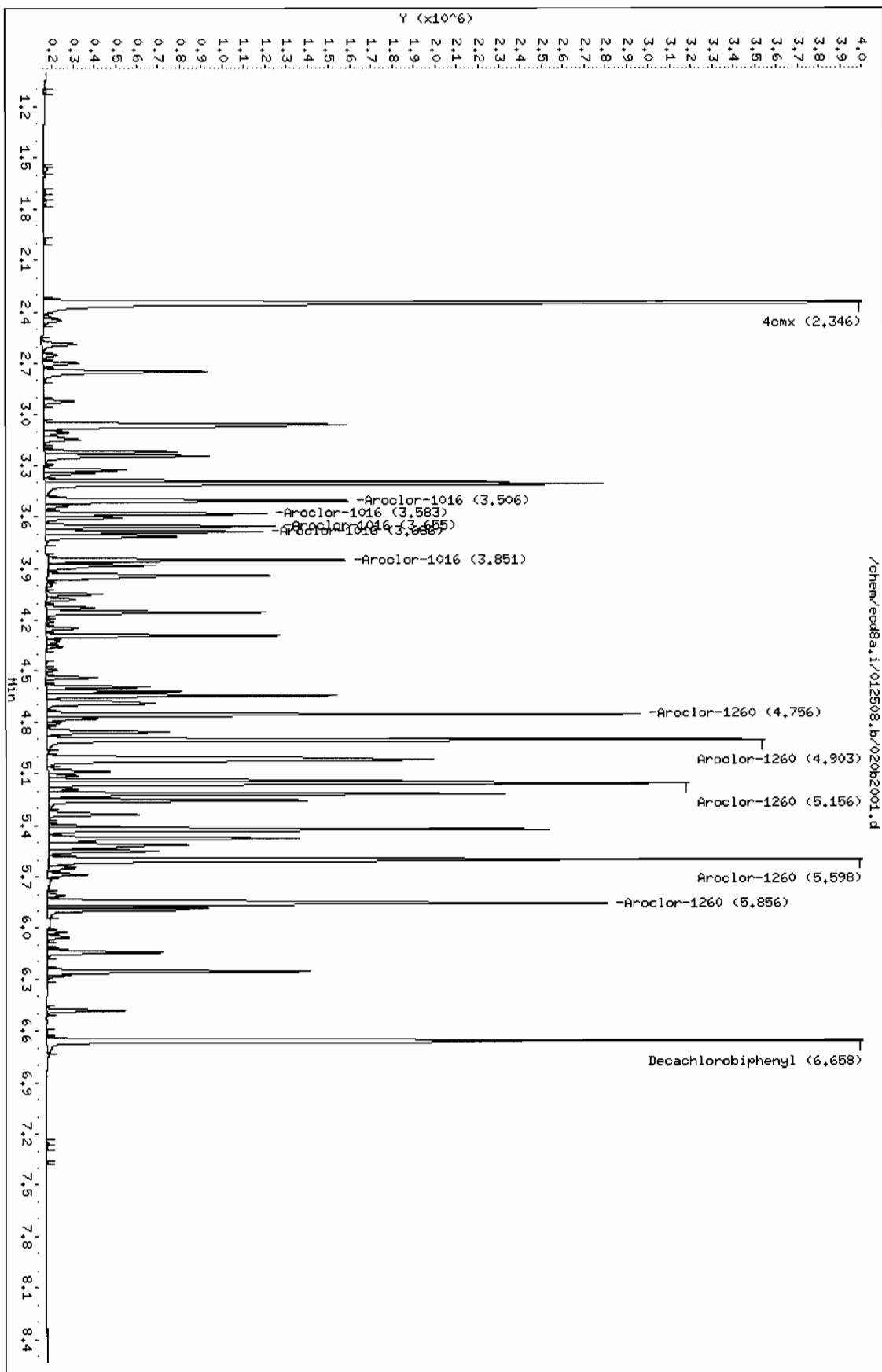
Page 1

Column phase: CLP2

Instrument: ecdb8a.i

Operator: JADC

Column diameter: 0.25



8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP1 ID: 0.25 (mm) Init. Calib. Date(s): 01/21/08 01/21/08

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
S1 : 2.14 DCB: 6.08							
EPA	LAB	DATE	TIME	S1	DCB		
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT	RT	#	#
01	PIBLK01	WAR071227-99	01/21/08	0932	2.14	6.07	
02	ZZZZZ	ZZZZZ	01/21/08	0944	2.14	6.08	
03	AR125401	WAR071205-54	01/21/08	0956	2.14	6.08	
04	AR124201	WAR080104-42	01/21/08	1008	2.14	6.08	
05	AR124801	WAR080104-48	01/21/08	1021	2.14	6.08	
06	AR123201	WAR071205-32	01/21/08	1033	2.14	6.08	
07	ZZZZZ	ZZZZZ	01/21/08	1114	2.14	6.08	
08	AR166001	WAR080121-01	01/21/08	1139	2.14	6.08	
09	AR166002	WAR080121-02	01/21/08	1151	2.14	6.08	
10	AR166003	WAR080121-03	01/21/08	1204	2.14	6.08	
11	AR166004	WAR080121-04	01/21/08	1216	2.14	6.08	
12	AR166005	IAR071130-01	01/21/08	1229	2.14	6.08	
13	AR166001	WAR080111-60	01/21/08	1241	2.14	6.08	
14	AR122101	WAR071022-21	01/21/08	1253	2.14	6.08	
15	AR126201	WAR071119-62	01/21/08	1305	2.14	6.08	
16	AR126801	WAR071010-68	01/21/08	1318	2.14	6.08	
17	PIBLK02	WAR071227-99	01/21/08	1330	2.14	6.08	
18	ZZZZZ	ZZZZZ	01/21/08	1342	2.14	6.08	
19	ZZZZZ	ZZZZZ	01/21/08	1355	2.14	6.08	
20	ZZZZZ	ZZZZZ	01/21/08	1407	2.14	6.08	
21	ZZZZZ	ZZZZZ	01/21/08	1419	2.14	6.08	
22	AR166002	IAR071130-01	01/21/08	1431	2.14	6.08	
23	PIBLK03	WAR071227-99	01/21/08	1447	2.14	6.08	
24	ZZZZZ	ZZZZZ	01/21/08	1459	2.14	6.08	
25	ZZZZZ	ZZZZZ	01/21/08	1511	2.14	6.08	
26	ZZZZZ	ZZZZZ	01/21/08	1523	2.14	6.08	
27	ZZZZZ	ZZZZZ	01/21/08	1536	2.14	6.08	
28	ZZZZZ	ZZZZZ	01/21/08	1548	2.14	6.08	
29	ZZZZZ	ZZZZZ	01/21/08	1600	2.14	6.08	
30	AR166003	IAR071130-01	01/21/08	1613	2.14	6.08	
31	PIBLK04	WAR071227-99	01/21/08	1625	2.14	6.08	
32	ZZZZZ	ZZZZZ	01/21/08	1637	2.14	6.08	

S1 = 4cmx (+/- 0.03 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP2 ID: 0.25 (mm) Init. Calib. Date(s): 01/21/08 01/21/08

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
S1 : 2.35		DCB: 6.66			
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	DCB RT #
01	PIBLK01	WAR071227-99	01/21/08	0932	2.35 6.66
02	ZZZZZ	ZZZZZ	01/21/08	0944	2.35 6.66
03	AR125401	WAR071205-54	01/21/08	0956	2.35 6.66
04	AR124201	WAR080104-42	01/21/08	1008	2.35 6.66
05	AR124801	WAR080104-48	01/21/08	1021	2.35 6.66
06	AR123201	WAR071205-32	01/21/08	1033	2.35 6.66
07	ZZZZZ	ZZZZZ	01/21/08	1114	2.35 6.66
08	AR166001	WAR080121-01	01/21/08	1139	2.35 6.66
09	AR166002	WAR080121-02	01/21/08	1151	2.35 6.66
10	AR166003	WAR080121-03	01/21/08	1204	2.35 6.66
11	AR166004	WAR080121-04	01/21/08	1216	2.35 6.66
12	AR166005	IAR071130-01	01/21/08	1229	2.35 6.66
13	AR126001	WAR080111-60	01/21/08	1241	2.35 6.66
14	AR122101	WAR071022-21	01/21/08	1253	2.35 6.66
15	AR126201	WAR071119-62	01/21/08	1305	2.35 6.66
16	AR126801	WAR071010-68	01/21/08	1318	2.35 6.66
17	PIBLK02	WAR071227-99	01/21/08	1330	2.35 6.66
18	ZZZZZ	ZZZZZ	01/21/08	1342	2.35 6.66
19	ZZZZZ	ZZZZZ	01/21/08	1355	2.35 6.66
20	ZZZZZ	ZZZZZ	01/21/08	1407	2.35 6.66
21	ZZZZZ	ZZZZZ	01/21/08	1419	2.35 6.66
22	AR166002	IAR071130-01	01/21/08	1431	2.35 6.66
23	ZZZZZ	ZZZZZ	01/21/08	1447	2.35 6.66
24	ZZZZZ	ZZZZZ	01/21/08	1459	2.35 6.66
25	ZZZZZ	ZZZZZ	01/21/08	1511	2.35 6.66
26	ZZZZZ	ZZZZZ	01/21/08	1523	2.35 6.66
27	ZZZZZ	ZZZZZ	01/21/08	1536	2.35 6.66
28	ZZZZZ	ZZZZZ	01/21/08	1548	2.35 6.66
29	ZZZZZ	ZZZZZ	01/21/08	1600	2.35 6.66
30	AR166003	IAR071130-01	01/21/08	1613	2.35 6.66
31	PIBLK04	WAR071227-99	01/21/08	1625	2.35 6.66
32	ZZZZZ	ZZZZZ	01/21/08	1637	2.35 6.66

QC LIMITS
S1 = 4cmx (+/- 0.03 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP1 ID: 0.25 (mm) Init. Calib. Date(s): 01/21/08 01/21/08

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
S1 : 2.14 DCB: 6.08							
EPA	LAB	DATE	TIME	S1	DCB		
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT	#	RT	#
=====	=====	=====	=====	=====	=====	=====	=====
01 PIBLK01	WAR071227-99	01/22/08	0849	2.14		6.07	
02 AR166001	WAR080111-60	01/22/08	0902	2.14		6.08	
03 AR125401	WAR071205-54	01/22/08	0914	2.14		6.08	
04 AR124201	WAR080104-42	01/22/08	0926	2.14		6.08	
05 AR124801	WAR080104-48	01/22/08	0938	2.14		6.08	
06 AR123201	WAR071205-32	01/22/08	0951	2.14		6.08	
07 AR122101	WAR071022-21	01/22/08	1003	2.14		6.08	
08 AR126201	WAR071119-62	01/22/08	1015	2.14		6.08	
09 AR126801	WAR071010-68	01/22/08	1028	2.14		6.08	
10 PIBLK02	WAR071227-99	01/22/08	1043	2.14		6.08	
11 PBLK01	1201498636	01/22/08	1055	2.14		6.08	
12 PBLK01LCS	1201498637	01/22/08	1107	2.14		6.08	
13 ZZZZZ	ZZZZZ	01/22/08	1120	2.14		6.08	
14 ZZZZZ	ZZZZZ	01/22/08	1132	2.14		6.08	
15 ZZZZZ	ZZZZZ	01/22/08	1144	2.14		6.08	
16 AR166002	WAR080111-60	01/22/08	1157	2.14		6.08	
17 PIBLK03	WAR071227-99	01/22/08	1209	2.14		6.08	
18 IR13-SB02	201226001	01/22/08	1221	2.14		6.08	
19 IR13-SB03	201226002	01/22/08	1234	2.14		6.08	
20 AR166003	WAR080111-60	01/22/08	1246	2.14		6.08	
21 PIBLK04	WAR071227-99	01/22/08	1258	2.14		6.08	
22 ZZZZZ	ZZZZZ	01/22/08	1310	2.14		6.08	
23 ZZZZZ	ZZZZZ	01/22/08	1323	2.14		6.08	
24 ZZZZZ	ZZZZZ	01/22/08	1335	2.14		6.08	
25 ZZZZZ	ZZZZZ	01/22/08	1347	2.14		6.08	
26 ZZZZZ	ZZZZZ	01/22/08	1400	2.14		6.08	
27 ZZZZZ	ZZZZZ	01/22/08	1412	2.14		6.08	
28 ZZZZZ	ZZZZZ	01/22/08	1424	2.14		6.08	
29 ZZZZZ	ZZZZZ	01/22/08	1436	2.14		6.08	
30 ZZZZZ	ZZZZZ	01/22/08	1449	2.14		6.08	
31 ZZZZZ	ZZZZZ	01/22/08	1501	2.14		6.08	
32 PIBLK05	WAR071227-99	01/22/08	1521	2.14		6.08	

S1 = 4cmx (+/- 0.03 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP2 ID: 0.25 (mm) Init. Calib. Date(s): 01/21/08 01/21/08

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
S1 : 2.35 DCB: 6.66							
EPA	LAB	DATE	TIME	S1	DCB		
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT	RT	#	#
01	PIBLK01	WAR071227-99	01/22/08	0849	2.35		6.66
02	AR166001	WAR080111-60	01/22/08	0902	2.35		6.66
03	AR125401	WAR071205-54	01/22/08	0914	2.35		6.66
04	AR124201	WAR080104-42	01/22/08	0926	2.35		6.66
05	AR124801	WAR080104-48	01/22/08	0938	2.35		6.66
06	AR123201	WAR071205-32	01/22/08	0951	2.35		6.66
07	AR122101	WAR071022-21	01/22/08	1003	2.35		6.66
08	AR126201	WAR071119-62	01/22/08	1015	2.35		6.66
09	AR126801	WAR071010-68	01/22/08	1028	2.35		6.66
10	PIBLK02	WAR071227-99	01/22/08	1043	2.35		6.66
11	PBLK01	1201498636	01/22/08	1055	2.35		6.66
12	PBLK01LCS	1201498637	01/22/08	1107	2.35		6.66
13	ZZZZZ	ZZZZZ	01/22/08	1120	2.35		6.66
14	ZZZZZ	ZZZZZ	01/22/08	1132	2.35		6.66
15	ZZZZZ	ZZZZZ	01/22/08	1144	2.35		6.66
16	AR166002	WAR080111-60	01/22/08	1157	2.35		6.66
17	PIBLK03	WAR071227-99	01/22/08	1209	2.35		6.66
18	IR13-SB02	201226001	01/22/08	1221	2.35		6.66
19	IR13-SB03	201226002	01/22/08	1234	2.35		6.66
20	AR166003	WAR080111-60	01/22/08	1246	2.35		6.66
21	PIBLK04	WAR071227-99	01/22/08	1258	2.35		6.66
22	ZZZZZ	ZZZZZ	01/22/08	1310	2.35		6.66
23	ZZZZZ	ZZZZZ	01/22/08	1323	2.35		6.66
24	ZZZZZ	ZZZZZ	01/22/08	1335	2.35		6.66
25	ZZZZZ	ZZZZZ	01/22/08	1347	2.35		6.66
26	ZZZZZ	ZZZZZ	01/22/08	1400	2.35		6.66
27	ZZZZZ	ZZZZZ	01/22/08	1412	2.35		6.66
28	ZZZZZ	ZZZZZ	01/22/08	1424	2.35		6.66
29	ZZZZZ	ZZZZZ	01/22/08	1436	2.35		6.66
30	ZZZZZ	ZZZZZ	01/22/08	1449	2.35		6.66
31	ZZZZZ	ZZZZZ	01/22/08	1501	2.35		6.66
32	PIBLK05	WAR071227-99	01/22/08	1521	2.35		6.66

S1 = 4cmx (+/- 0.03 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP1 ID: 0.25 (mm) Init. Calib. Date(s): 01/23/08 01/23/08

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
S1 : 2.14				DCB: 6.08			
EPA	LAB	DATE	TIME	S1	DCB		
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT	#	RT	#
=====	=====	=====	=====	=====	=====	=====	=====
01	PIBLK01	WAR071227-99	01/23/08	0838	2.13	6.07	
02	ZZZZZ	ZZZZZ	01/23/08	0850	2.14	6.07	
03	AR125401	WAR071205-54	01/23/08	0902	2.14	6.07	
04	ZZZZZ	ZZZZZ	01/23/08	0915	2.13	6.08	
05	ZZZZZ	ZZZZZ	01/23/08	0927	2.13	6.08	
06	AR166001	WAR080123-01	01/23/08	0939	2.13	6.08	
07	AR166002	WAR080123-02	01/23/08	0952	2.14	6.08	
08	AR166003	WAR080123-03	01/23/08	1004	2.14	6.08	
09	AR166004	WAR080123-04	01/23/08	1016	2.14	6.08	
10	AR166005	IAR071130-01	01/23/08	1029	2.14	6.08	
11	AR166001	WAR080111-60	01/23/08	1041	2.14	6.08	
12	AR124201	WAR080123-05	01/23/08	1053	2.14	6.08	
13	AR124201	WAR080123-06	01/23/08	1106	2.14	6.08	
14	AR124203	WAR080123-07	01/23/08	1118	2.14	6.08	
15	AR124204	WAR080123-08	01/23/08	1130	2.14	6.08	
16	AR124205	IAR080102-01	01/23/08	1143	2.14	6.08	
17	AR124201	WAR071105-42	01/23/08	1155	2.14	6.08	
18	AR124801	WAR080123-09	01/23/08	1207	2.14	6.08	
19	AR124802	WAR080123-10	01/23/08	1220	2.14	6.08	
20	AR124803	WAR080123-11	01/23/08	1232	2.14	6.08	
21	AR124804	WAR080123-12	01/23/08	1244	2.14	6.08	
22	AR124805	IAR080103-01	01/23/08	1256	2.14	6.08	
23	AR124801	WAR071220-48	01/23/08	1309	2.14	6.08	
24	AR123201	WAR071205-32	01/23/08	1321	2.14	6.08	
25	AR122101	WAR071022-21	01/23/08	1333	2.14	6.08	
26	AR126201	WAR071119-62	01/23/08	1346	2.14	6.08	
27	AR126801	WAR071010-68	01/23/08	1358	2.14	6.08	
28	PIBLK02	WAR071227-99	01/23/08	1410	2.14	6.08	
29	ZZZZZ	ZZZZZ	01/23/08	1422	2.14	6.07	
30	ZZZZZ	ZZZZZ	01/23/08	1435	2.14	6.07	
31	ZZZZZ	ZZZZZ	01/23/08	1447	2.14	6.08	
32	ZZZZZ	ZZZZZ	01/23/08	1459	2.14	6.08	

QC LIMITS
S1 = 4cmx (+/- 0.03 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP2 ID: 0.25 (mm) Init. Calib. Date(s): 01/23/08 01/23/08

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
S1 : 2.35			DCB: 6.66			
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	DCB RT
=====	=====	=====	=====	=====	=====	=====
01	PIBLK01	WAR071227-99	01/23/08	0838	2.35	6.66
02	ZZZZZ	ZZZZZ	01/23/08	0850	2.35	6.66
03	AR125401	WAR071205-54	01/23/08	0902	2.35	6.66
04	ZZZZZ	ZZZZZ	01/23/08	0915	2.35	6.66
05	ZZZZZ	ZZZZZ	01/23/08	0927	2.35	6.66
06	AR166001	WAR080123-01	01/23/08	0939	2.35	6.66
07	AR166002	WAR080123-02	01/23/08	0952	2.35	6.66
08	AR166003	WAR080123-03	01/23/08	1004	2.35	6.66
09	AR166004	WAR080123-04	01/23/08	1016	2.35	6.66
10	AR166005	IAR071130-01	01/23/08	1029	2.35	6.66
11	AR166001	WAR080111-60	01/23/08	1041	2.35	6.66
12	AR124201	WAR080123-05	01/23/08	1053	2.35	6.66
13	AR124202	WAR080123-06	01/23/08	1106	2.35	6.66
14	AR124203	WAR080123-07	01/23/08	1118	2.35	6.66
15	AR124204	WAR080123-08	01/23/08	1130	2.35	6.66
16	AR124205	IAR080102-01	01/23/08	1143	2.35	6.66
17	AR124201	WAR071105-42	01/23/08	1155	2.35	6.66
18	AR124801	WAR080123-09	01/23/08	1207	2.35	6.66
19	AR124802	WAR080123-10	01/23/08	1220	2.35	6.66
20	AR124803	WAR080123-11	01/23/08	1232	2.35	6.66
21	AR124804	WAR080123-12	01/23/08	1244	2.35	6.66
22	AR124805	IAR080103-01	01/23/08	1256	2.35	6.66
23	AR124801	WAR071220-48	01/23/08	1309	2.35	6.66
24	AR123201	WAR071205-32	01/23/08	1321	2.35	6.66
25	AR122101	WAR071022-21	01/23/08	1333	2.35	6.66
26	AR126201	WAR071119-62	01/23/08	1346	2.35	6.66
27	AR126801	WAR071010-68	01/23/08	1358	2.35	6.66
28	PIBLK02	WAR071227-99	01/23/08	1410	2.35	6.66
29	ZZZZZ	ZZZZZ	01/23/08	1422	2.35	6.66
30	ZZZZZ	ZZZZZ	01/23/08	1435	2.35	6.66
31	ZZZZZ	ZZZZZ	01/23/08	1447	2.35	6.66
32	ZZZZZ	ZZZZZ	01/23/08	1459	2.35	6.66

QC LIMITS
S1 = 4cmx (+/- 0.03 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP1 ID: 0.25 (mm) Init. Calib. Date(s): 01/23/08 01/23/08

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
S1 : 2.13 DCB: 6.07							
EPA	LAB	DATE	TIME	S1	DCB		
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT	#	RT	#
01	PIBLK01	WAR071227-99	01/25/08	0720	2.13	6.07	
02	AR166001	WAR080111-60	01/25/08	0732	2.14	6.07	
03	AR125401	WAR071205-54	01/25/08	0745	2.14	6.07	
04	AR124201	WAR071105-42	01/25/08	0757	2.14	6.07	
05	AR124801	WAR071220-48	01/25/08	0809	2.14	6.07	
06	AR123201	WAR071205-32	01/25/08	0822	2.14	6.07	
07	AR122101	WAR071022-21	01/25/08	0843	2.14	6.08	
08	AR126201	WAR071119-62	01/25/08	0855	2.14	6.07	
09	AR126801	WAR071010-68	01/25/08	0908	2.14	6.07	
10	PIBLK02	WAR071227-99	01/25/08	0920	2.14	6.07	
11	PBLK02	1201502582	01/25/08	0932	2.14	6.07	
12	PBLK02LCS	1201502583	01/25/08	0945	2.14	6.07	
13	IR13-SB03RE	201226002	01/25/08	0957	2.14	6.07	
14	ZZZZZ	ZZZZZ	01/25/08	1009	2.14	6.07	
15	ZZZZZ	ZZZZZ	01/25/08	1021	2.13	6.07	
16	ZZZZZ	ZZZZZ	01/25/08	1034	2.14	6.07	
17	ZZZZZ	ZZZZZ	01/25/08	1046	2.14	6.07	
18	ZZZZZ	ZZZZZ	01/25/08	1058	2.14	6.07	
19	PIBLK03	WAR071227-99	01/25/08	1111	2.14	6.07	
20	AR166002	WAR080111-60	01/25/08	1123	2.14	6.07	
21	PIBLK04	WAR071227-99	01/25/08	1135	2.14	6.07	
22	ZZZZZ	ZZZZZ	01/25/08	1147	2.14	6.07	
23	ZZZZZ	ZZZZZ	01/25/08	1200	2.14	6.07	
24	ZZZZZ	ZZZZZ	01/25/08	1212	2.14	6.07	
25	ZZZZZ	ZZZZZ	01/25/08	1224	2.14	6.07	
26	ZZZZZ	ZZZZZ	01/25/08	1237	2.14	6.07	
27	PIBLK05	WAR071227-99	01/25/08	1249	2.14	6.07	
28	AR166003	WAR080111-60	01/25/08	1301	2.14	6.07	
29	PIBLK06	WAR071227-99	01/25/08	1313	2.14	6.07	
30	ZZZZZ	ZZZZZ	01/25/08	1340	2.14	6.08	
31	ZZZZZ	ZZZZZ	01/25/08	1542	2.14	6.08	
32	ZZZZZ	ZZZZZ	01/25/08	1554	2.14	6.07	

QC LIMITS
S1 = 4cmx (+/- 0.03 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: CLP2 ID: 0.25 (mm) Init. Calib. Date(s): 01/23/08 01/23/08

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
S1 : 2.35 DCB: 6.66							
EPA	LAB	DATE	TIME	S1	DCB		
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT	#	RT	#
=====	=====	=====	=====	=====	=====	=====	=====
01	PIBLK01	WAR071227-99	01/25/08	0720	2.35	6.66	
02	AR166001	WAR080111-60	01/25/08	0732	2.35	6.66	
03	AR125401	WAR071205-54	01/25/08	0745	2.35	6.66	
04	AR124201	WAR071105-42	01/25/08	0757	2.35	6.66	
05	AR124801	WAR071220-48	01/25/08	0809	2.35	6.66	
06	AR123201	WAR071205-32	01/25/08	0822	2.35	6.66	
07	AR122101	WAR071022-21	01/25/08	0843	2.35	6.66	
08	AR126201	WAR071119-62	01/25/08	0855	2.35	6.66	
09	AR126801	WAR071010-68	01/25/08	0908	2.35	6.66	
10	PIBLK02	WAR071227-99	01/25/08	0920	2.35	6.66	
11	PBLK02	1201502582	01/25/08	0932	2.35	6.66	
12	PBLK02LCS	1201502583	01/25/08	0945	2.35	6.66	
13	IR13-SB03RE	201226002	01/25/08	0957	2.35	6.66	
14	ZZZZZ	ZZZZZ	01/25/08	1009	2.35	6.66	
15	ZZZZZ	ZZZZZ	01/25/08	1021	2.35	6.66	
16	ZZZZZ	ZZZZZ	01/25/08	1034	2.35	6.66	
17	ZZZZZ	ZZZZZ	01/25/08	1046	2.35	6.66	
18	ZZZZZ	ZZZZZ	01/25/08	1058	2.35	6.66	
19	PIBLK03	WAR071227-99	01/25/08	1111	2.35	6.66	
20	AR166002	WAR080111-60	01/25/08	1123	2.35	6.66	
21	PIBLK04	WAR071227-99	01/25/08	1135	2.35	6.66	
22	ZZZZZ	ZZZZZ	01/25/08	1147	2.35	6.66	
23	ZZZZZ	ZZZZZ	01/25/08	1200	2.35	6.66	
24	ZZZZZ	ZZZZZ	01/25/08	1212	2.35	6.66	
25	ZZZZZ	ZZZZZ	01/25/08	1224	2.35	6.66	
26	ZZZZZ	ZZZZZ	01/25/08	1237	2.35	6.66	
27	PIBLK05	WAR071227-99	01/25/08	1249	2.35	6.66	
28	AR166003	WAR080111-60	01/25/08	1301	2.35	6.66	
29	PIBLK06	WAR071227-99	01/25/08	1313	2.35	6.66	
30	ZZZZZ	ZZZZZ	01/25/08	1340	2.35	6.66	
31	ZZZZZ	ZZZZZ	01/25/08	1542	2.35	6.66	
32	ZZZZZ	ZZZZZ	01/25/08	1554	2.35	6.66	

S1 = 4cmx (+/- 0.03 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)

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

Identification Summary

Page 1 of 1

SDG Number: 201226

Client ID: IR13-SB03RE

Lab Sample ID: 201226002

Data File: 013f1301.d

Data File: 013b1301.d

Inst: ECD8A.I_1

Inst: ECD8A.I_2

Column: 1 : CLP1

Column: 2 : CLP2

Analyzed: 25-JAN-08 09:57

Analyzed: 25-JAN-08 09:57

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Aroclor-1242							50.3
Column 1	1	2.67	2.65 – 2.71	.0212		ug/L	
	2	3.02	2.99 – 3.05	.0408		ug/L	
	3	3.11	3.09 – 3.15	.0393		ug/L	
	4	3.16	3.13 – 3.19	.054		ug/L	
	5	3.25	3.22 – 3.28	.0272		ug/L	
					.0365		
Column 2	1	3.4	3.38 – 3.44	.117		ug/L	
	2	3.51	3.48 – 3.54	.0392		ug/L	
	3	3.58	3.55 – 3.61	.0477		ug/L	
	4	3.85	3.82 – 3.88	.035		ug/L	
	5	4.13	4.1 – 4.16	.0662		ug/L	
					.061		

Identification Summary

Page 1 of 1

SDG Number: 201226

Client ID: LCS for batch 719131

Lab Sample ID: 1201498637

Data File: 012f1201.d

Data File: 012b1201.d

Inst: ECD8A.I_1

Inst: ECD8A.I_2

Column: 1 : CLP1

Column: 2 : CLP2

Analyzed: 22-JAN-08 11:07

Analyzed: 22-JAN-08 11:07

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Aroclor-1016							1.18
Column 1	1	3.02	2.99 – 3.05	.675		ug/L	
	2	3.12	3.09 – 3.15	.687		ug/L	
	3	3.26	3.23 – 3.29	.698		ug/L	
	4	3.27	3.24 – 3.3	.803		ug/L	
	5	3.41	3.38 – 3.44	.687		ug/L	
					.71		
Column 2	1	3.51	3.48 – 3.54	.704		ug/L	
	2	3.59	3.56 – 3.62	.679		ug/L	
	3	3.66	3.63 – 3.69	.791		ug/L	
	4	3.69	3.66 – 3.72	.707		ug/L	
	5	3.85	3.82 – 3.88	.713		ug/L	
					.719		
Aroclor-1260							4.31
Column 1	1	4.47	4.44 – 4.5	.802		ug/L	
	2	4.67	4.64 – 4.7	.808		ug/L	
	3	4.75	4.72 – 4.78	.806		ug/L	
	4	4.92	4.89 – 4.95	.807		ug/L	
	5	5.13	5.1 – 5.16	.835		ug/L	
					.811		
Column 2	1	4.76	4.73 – 4.79	.822		ug/L	
	2	4.91	4.88 – 4.94	.831		ug/L	
	3	5.16	5.13 – 5.19	.848		ug/L	
	4	5.6	5.57 – 5.63	.872		ug/L	
	5	5.86	5.83 – 5.89	.863		ug/L	
					.847		

Identification Summary

Page 1 of 1

SDG Number: 201226

Client ID: MB for batch 721031

Lab Sample ID: 1201502582

Data File: 011f1101.d

Data File: 011b1101.d

Inst: ECD8A.I_1

Inst: ECD8A.I_2

Column: 1 : CLP1

Column: 2 : CLP2

Analyzed: 25-JAN-08 09:32

Analyzed: 25-JAN-08 09:32

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Aroclor-1242							20.4
Column 1	1	2.67	2.65 – 2.71	.073		ug/L	
	2	3.02	2.99 – 3.05	.104		ug/L	
	3	3.12	3.09 – 3.15	.0562		ug/L	
	4	3.16	3.13 – 3.19			ug/L	
	5	3.25	3.22 – 3.28			ug/L	
					.0779		
Column 2	1	3.41	3.38 – 3.44			ug/L	
	2	3.51	3.48 – 3.54	.0715		ug/L	
	3	3.58	3.55 – 3.61	.0769		ug/L	
	4	3.85	3.82 – 3.88	.0294		ug/L	
	5	4.13	4.1 – 4.16	.0762		ug/L	
					.0635		

Identification Summary

Page 1 of 1

SDG Number: 201226

Client ID: LCS for batch 721031

Lab Sample ID: 1201502583

Data File: 012f1201.d

Data File: 012b1201.d

Inst: ECD8A.I_1

Inst: ECD8A.I_2

Column: 1 : CLP1

Column: 2 : CLP2

Analyzed: 25-JAN-08 09:45

Analyzed: 25-JAN-08 09:45

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Aroclor-1016							.0384
Column 1	1	3.02	2.99 – 3.05	.77		ug/L	
	2	3.12	3.08 – 3.14	.709		ug/L	
	3	3.25	3.22 – 3.28	.683		ug/L	
	4	3.27	3.24 – 3.3	.969		ug/L	
	5	3.41	3.38 – 3.44	.707		ug/L	
					.768		
Column 2	1	3.51	3.48 – 3.54	.742		ug/L	
	2	3.58	3.55 – 3.61	.718		ug/L	
	3	3.66	3.63 – 3.69	.924		ug/L	
	4	3.69	3.66 – 3.72	.725		ug/L	
	5	3.85	3.82 – 3.88	.729		ug/L	
					.768		
Aroclor-1260							2.86
Column 1	1	4.47	4.44 – 4.5	.833		ug/L	
	2	4.66	4.63 – 4.69	.818		ug/L	
	3	4.74	4.71 – 4.77	.819		ug/L	
	4	4.91	4.88 – 4.94	.817		ug/L	
	5	5.13	5.1 – 5.16	.849		ug/L	
					.827		
Column 2	1	4.76	4.73 – 4.79	.828		ug/L	
	2	4.9	4.87 – 4.93	.848		ug/L	
	3	5.16	5.13 – 5.19	.863		ug/L	
	4	5.6	5.57 – 5.63	.873		ug/L	
	5	5.86	5.83 – 5.89	.845		ug/L	
					.851		

QUALITY CONTROL DATA

PCB
Certificate of Analysis
Sample Summary

Page 1 of 1

SDG Number: 201226		Matrix: GROUND WATER
Lab Sample ID: 1201498636		
Client Sample: QC for batch 719131	Client: CATL002	Project: QC
Client ID: MB for batch 719131	Method: SW846 8082	SOP Ref: GL-OA-E-040
Batch ID: 719135	Inst: ECD8A.I	Dilution: 1
Run Date: 01/22/2008 10:55	Analyst: JAOC	Inj. Vol: 1 uL
Prep Date: 01/21/2008 15:50	Aliquot: 1000 mL	Final Volume: 1 mL
Data File: 011f1101.d	Column: 1 CLP1	Level: LOW
011b1101.d	2 CLP2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
12674-11-2	Aroclor-1016	U	0.100	ug/L	0.0333	0.100	1
11104-28-2	Aroclor-1221	U	0.100	ug/L	0.0333	0.100	1
11141-16-5	Aroclor-1232	U	0.100	ug/L	0.0333	0.100	1
53469-21-9	Aroclor-1242	U	0.100	ug/L	0.0333	0.100	1
12672-29-6	Aroclor-1248	U	0.100	ug/L	0.0333	0.100	1
11097-69-1	Aroclor-1254	U	0.100	ug/L	0.0333	0.100	1
11096-82-5	Aroclor-1260	U	0.100	ug/L	0.0333	0.100	1

Data File: /chem/ecd8a.i/012208.b/011f1101.d
Report Date: 23-Jan-2008 12:30

Page 1

GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/011f1101.d
Lab Smp Id: 1201498636 Client Smp ID: PBLK01
Inj Date : 22-JAN-2008 10:55
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |1201498636|1|
Misc Info : |ECD82P_1LF|719135|SVAF|QC A|GROUND WATER|MB|||
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m
Meth Date : 22-Jan-2008 16:31 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026f2601.d
Als bottle: 11 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====
			RESPONSE (ug/L)	(ug/L)		
\$ 11 4cmx				CAS #: 877-09-8		
2.138	2.138	0.000	6872193 90.0066	0.090	80.00- 120.00	100.00 (M)

\$ 12 Decachlorobiphenyl				CAS #: 2051-24-3		
6.076	6.076	0.000	5009039 158.784	0.16	80.00- 120.00	100.00

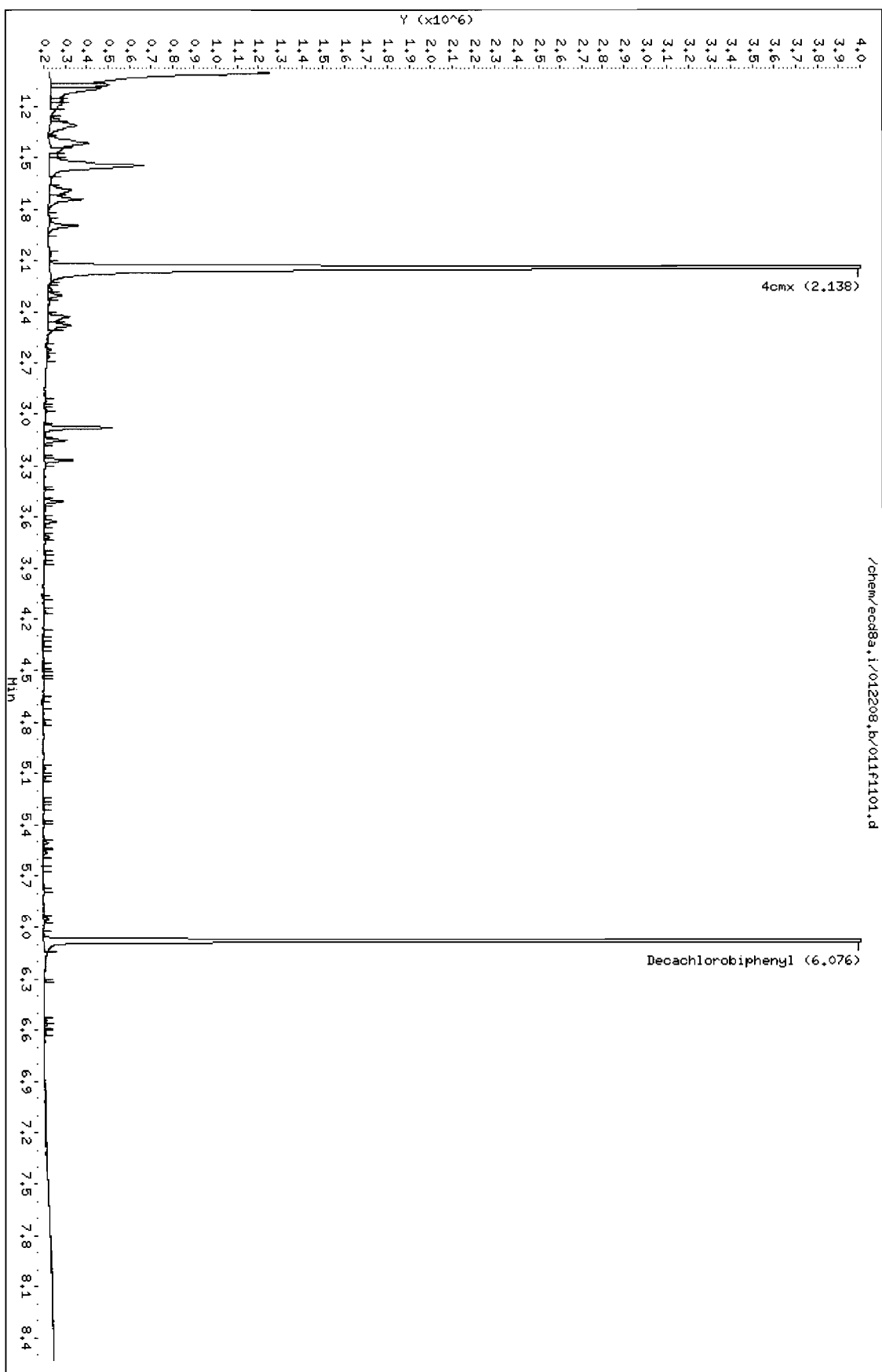
QC Flag Legend

M - Compound response manually integrated.

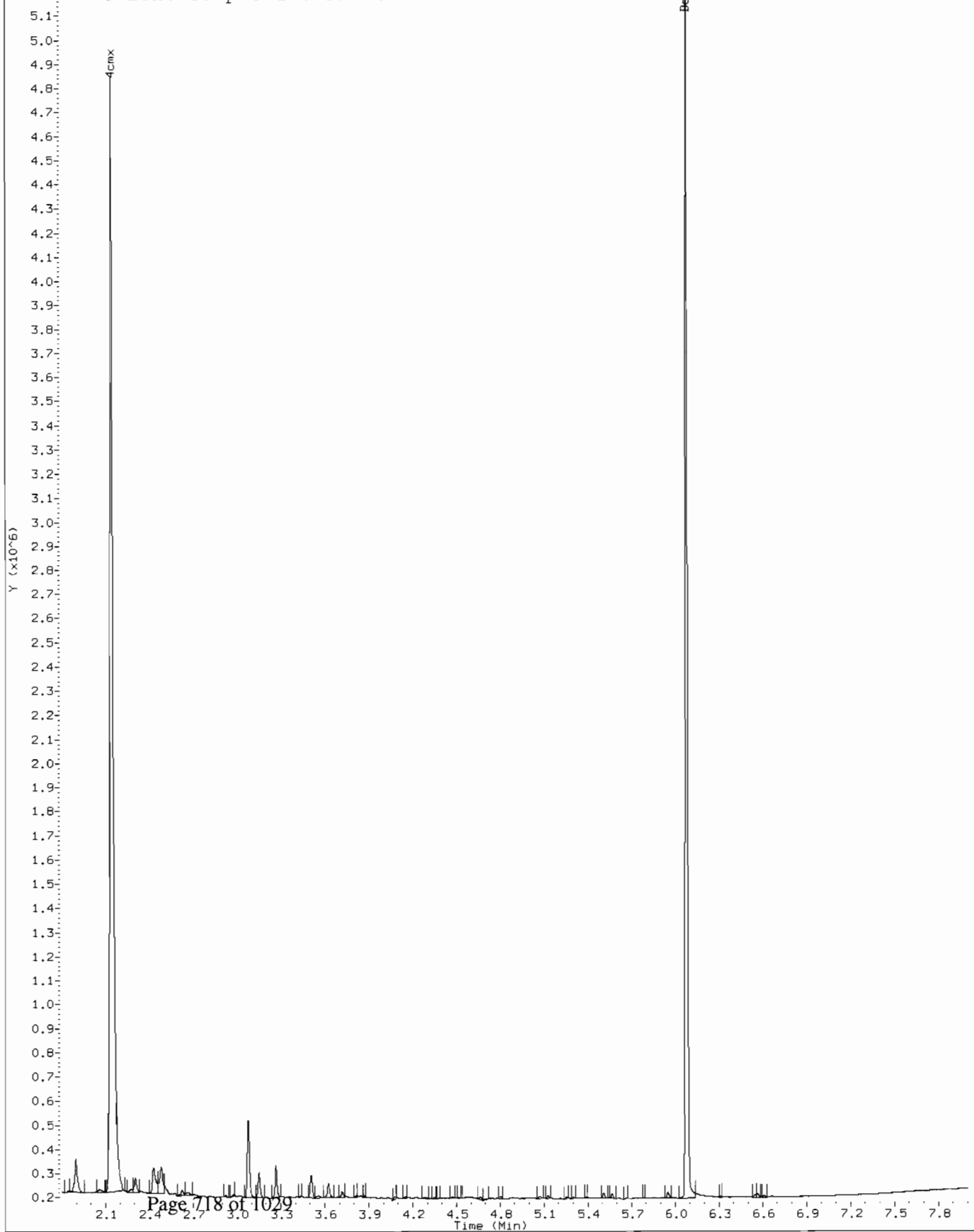
Data File: /chem/ecd8a.i/012208.b/011f1101.d
Date : 22-JAN-2008 10:55
Client ID: PBLK01
Sample Info: 1120149863611
Volume Injected (uL): 1.0
Column Phase: CLP1

Instrument: ecd8a.i
Operator: JADC
Column diameter: 0.25

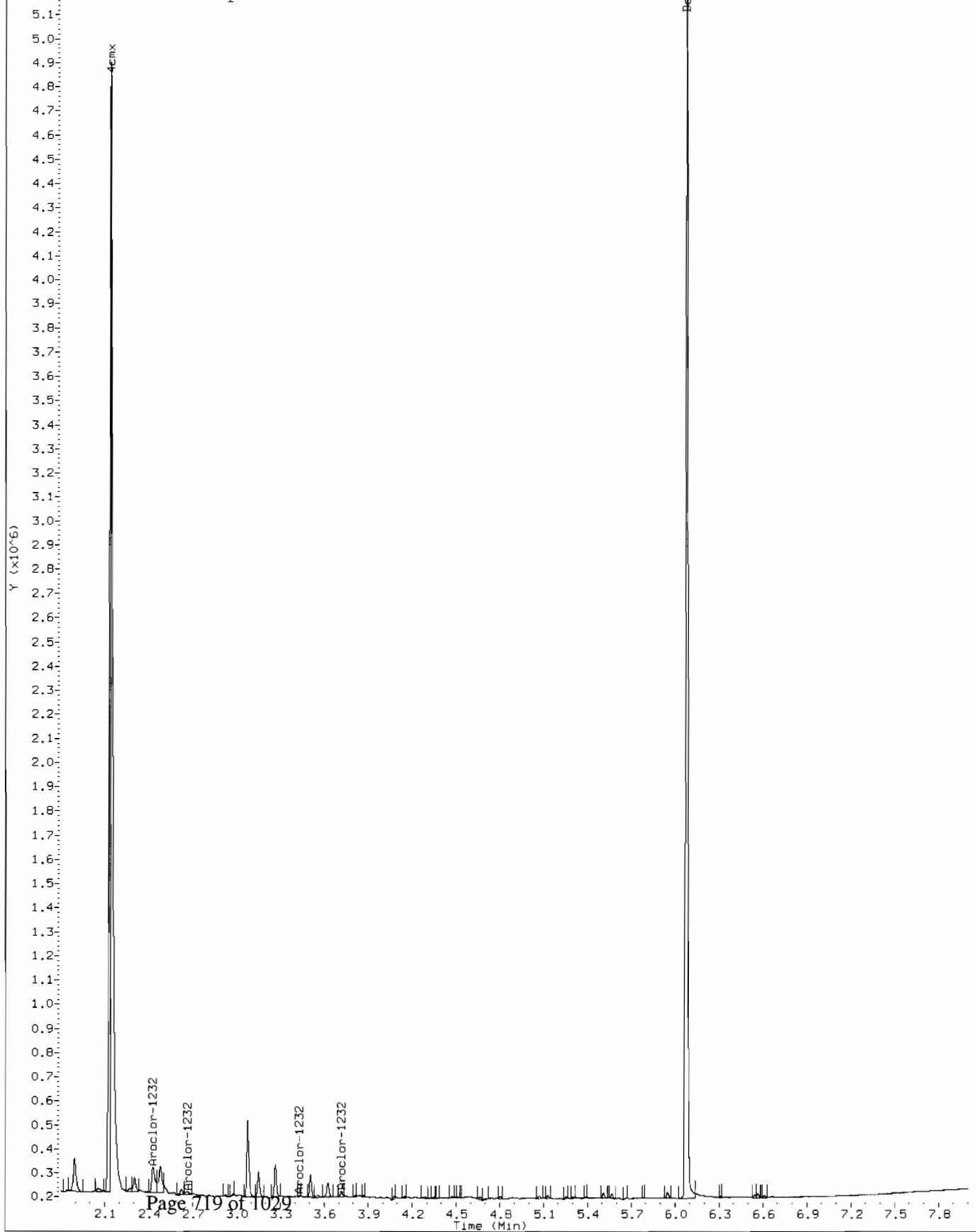
Page 1



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012208.b/011f1101.d
Operator: JAOC
Injection Date: 22-JAN-2008 10:55
Instrument: ecd8a.i
Client Sample ID: PBLK01



Comment: Before manual integration
Data File: /chem/ecd8a.i/012208.b/orig-011f1101.d
Operator: JAOC
Injection Date: 22-JAN-2008 10:55
Instrument: ecd8a.i
Client Sample ID: PBLK01



Data File: /chem/ecd8a.i/012208.b/011b1101.d
Report Date: 22-Jan-2008 16:13

Page 1

GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL
Data file : /chem/ecd8a.i/012208.b/011b1101.d
Lab Smp Id: 1201498636 Client Smp ID: PBLK01
Inj Date : 22-JAN-2008 10:55
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |1201498636|1|
Misc Info : |ECD82P_1LF|719135|SVAF|QC A|GROUND WATER|MB|||
Comment :
Method : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
Meth Date : 22-Jan-2008 16:10 jen01212 Quant Type: ESTD
Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d
Als bottle: 11 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

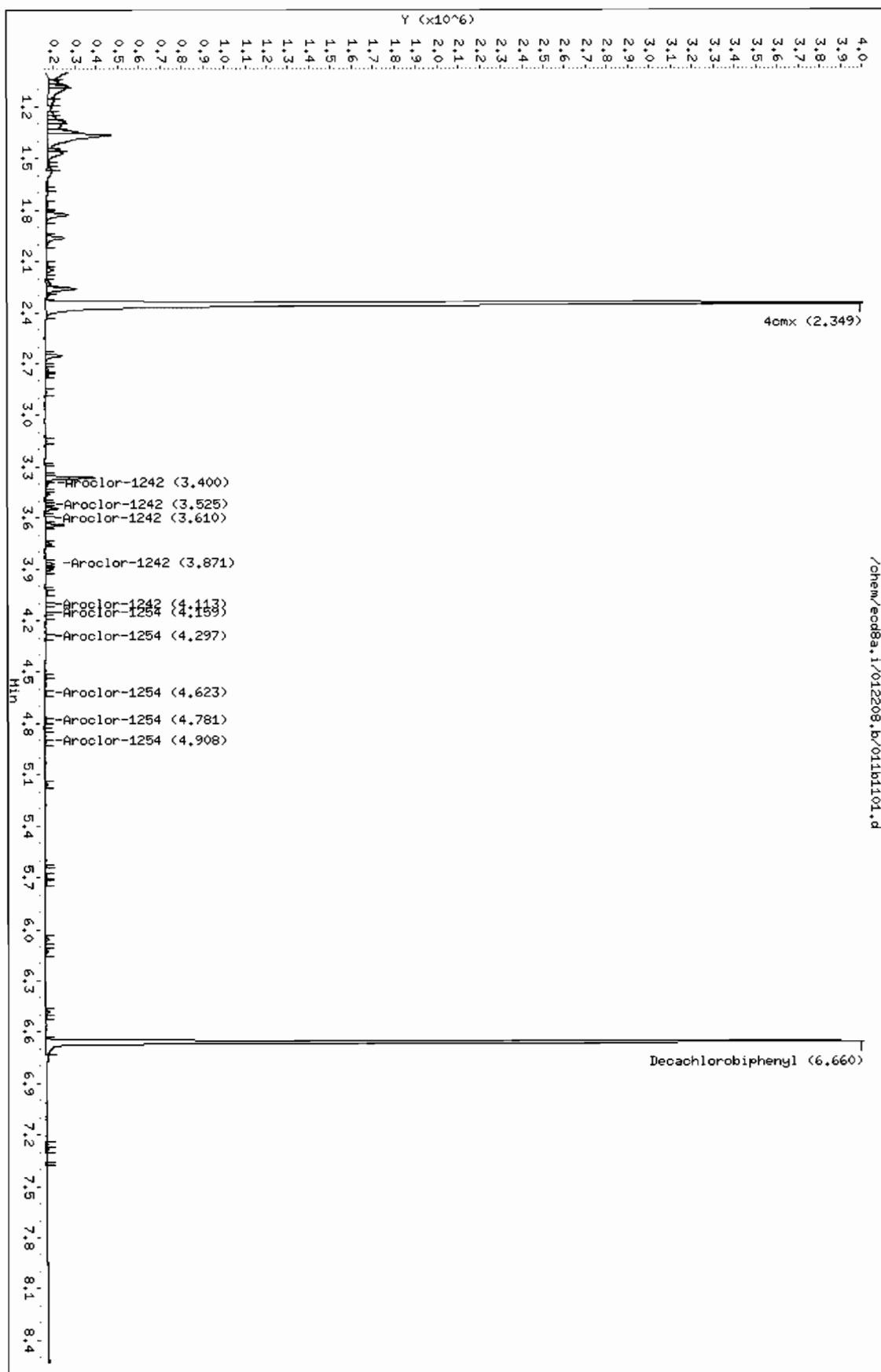
Cpnd Variable Local Compound Variable

CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
***	*****	*****	*****	*****	*****	*****
\$ 11 4cmx CAS #: 877-09-8						
2.349	2.349	0.000	5278297 98.5575	0.098	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl CAS #: 2051-24-3						
6.660	6.660	0.000	3815284 167.092	0.17	80.00- 120.00	100.00

Data File: /chem/ecod8a.i/012208.b/01b1101.d
Date: 22-JAN-2008 10:55
Client ID: PBLK01
Sample Info: 1120149863611
Volume Injected (uL): 1.0
Column phase: CLP2

Instrument: ecod8a.i
Operator: JADC
Column diameter: 0.25



PCB

Matrix:	GROUND WATER
Project:	QC
SOP Ref:	GI-OA-E-040
Dilution:	1
Inj. Vol:	1 uL
Final Volume:	1 mL
Level:	LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
12674-11-2	Aroclor-1016	U	0.100	ug/L	0.0333	0.100	1
11104-28-2	Aroclor-1221	U	0.100	ug/L	0.0333	0.100	1
11141-16-5	Aroclor-1232	U	0.100	ug/L	0.0333	0.100	1
53469-21-9	Aroclor-1242	J	0.076	ug/L	0.0333	0.100	1
12672-29-6	Aroclor-1248	U	0.100	ug/L	0.0333	0.100	1
11097-69-1	Aroclor-1254	U	0.100	ug/L	0.0333	0.100	1
11096-82-5	Aroclor-1260	U	0.100	ug/L	0.0333	0.100	1

GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/011f1101.d
Lab Smp Id: 1201502582 Client Smp ID: PBLK02
Inj Date : 25-JAN-2008 09:32
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |1201502582|1|
Misc Info : |ECD82P_1LF|721032|SVAF|QC A|GROUND WATER|MB|||
Comment :
Method : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m
Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
Cal Date : 23-JAN-2008 13:33 Cal File: 025f2501.d
Als bottle: 11 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water
Processing Host: hpclpl

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx CAS #: 877-09-8							
2.136	2.135	0.001	8044523 121.974	0.12	80.00- 120.00	100.00	

\$ 12 Decachlorobiphenyl CAS #: 2051-24-3							
6.074	6.073	0.001	7906721 164.577	0.16	80.00- 120.00	100.00	

4 Aroclor-1242 CAS #: 53469-21-9							
2.673	2.676	-0.003	145141 73.0229	0.073	80.00- 120.00	100.00(a)	
3.021	3.020	0.001	252834 104.377	0.10	112.30- 152.30	174.20	
3.115	3.115	0.000	89924 56.1604	0.056	63.64- 103.64	61.96	
3.160	3.160	0.000	0		33.34- 73.34	0.00	
3.252	3.252	0.000	0		21.79- 61.79	0.00	
Average of Peak Concentrations = 0.078							

Data File: /chem/ecd8a.i/012508.b/011f1101.d
Report Date: 29-Jan-2008 09:06

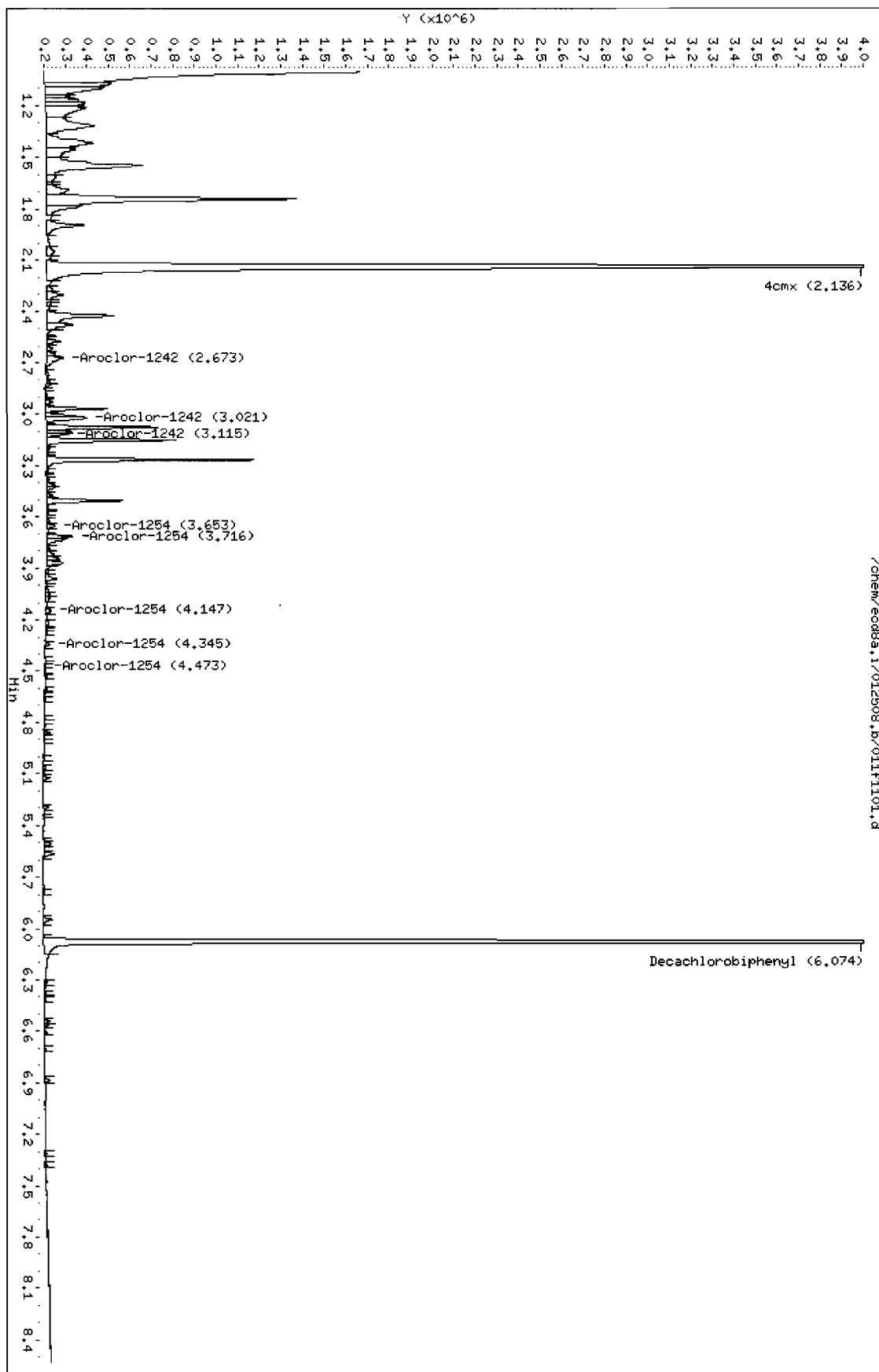
Page 2

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/eod8a.i/012508.b/011f1101.d
Date: 25-JAN-2008 09:32
Client ID: PBLK02
Sample Info: 11201502582111
Volume Injected (uL): 1.0
Column phase: CLP1

Instrument: eod8a.i
Operator: JACD
Column diameter: 0.25



Report Date: 29-Jan-2008 09:06

GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/011b1101.d

Lab Smp Id: 1201502582

Client Smp ID: PBLK02

Inj Date : 25-JAN-2008 09:32

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |1201502582|1|

Misc Info : |ECD82P_1LF|721032|SVAF|QC A|GROUND WATER|MB|||

Comment :

Method : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m

Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD

Cal Date : 23-JAN-2008 13:58

Cal File: 027b2701.d

Als bottle: 11

QC Sample: BLANK

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 201226.sub

Target Version: 3.50

Sample Matrix: Ground Water

Processing Host: hpclp1

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable

Local Compound Variable

CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 11 4cmx			CAS #: 877-09-8			
2.347	2.346	0.001	6200456 119.720	0.12	80.00- 120.00	100.00
\$ 12 Decachlorobiphenyl			CAS #: 2051-24-3			
6.658	6.659	-0.001	6609060 169.685	0.17	80.00- 120.00	100.00
4 Aroclor-1242			CAS #: 53469-21-9			
3.408	3.408	0.000	0		80.00- 120.00	0.00(a)
3.507	3.507	0.000	89814 71.4557	0.071	42.12- 82.12	30.16
3.583	3.583	0.000	56681 76.8805	0.077	17.28- 57.28	19.03
3.851	3.852	-0.001	30361 29.3714	0.029	30.12- 70.12	10.19
4.128	4.127	0.001	78982 76.1621	0.076	29.59- 69.59	26.52
Average of Peak Concentrations =			0.063			

Data File: /chem/ecd8a.i/012508.b/011b1101.d
Report Date: 29-Jan-2008 09:06

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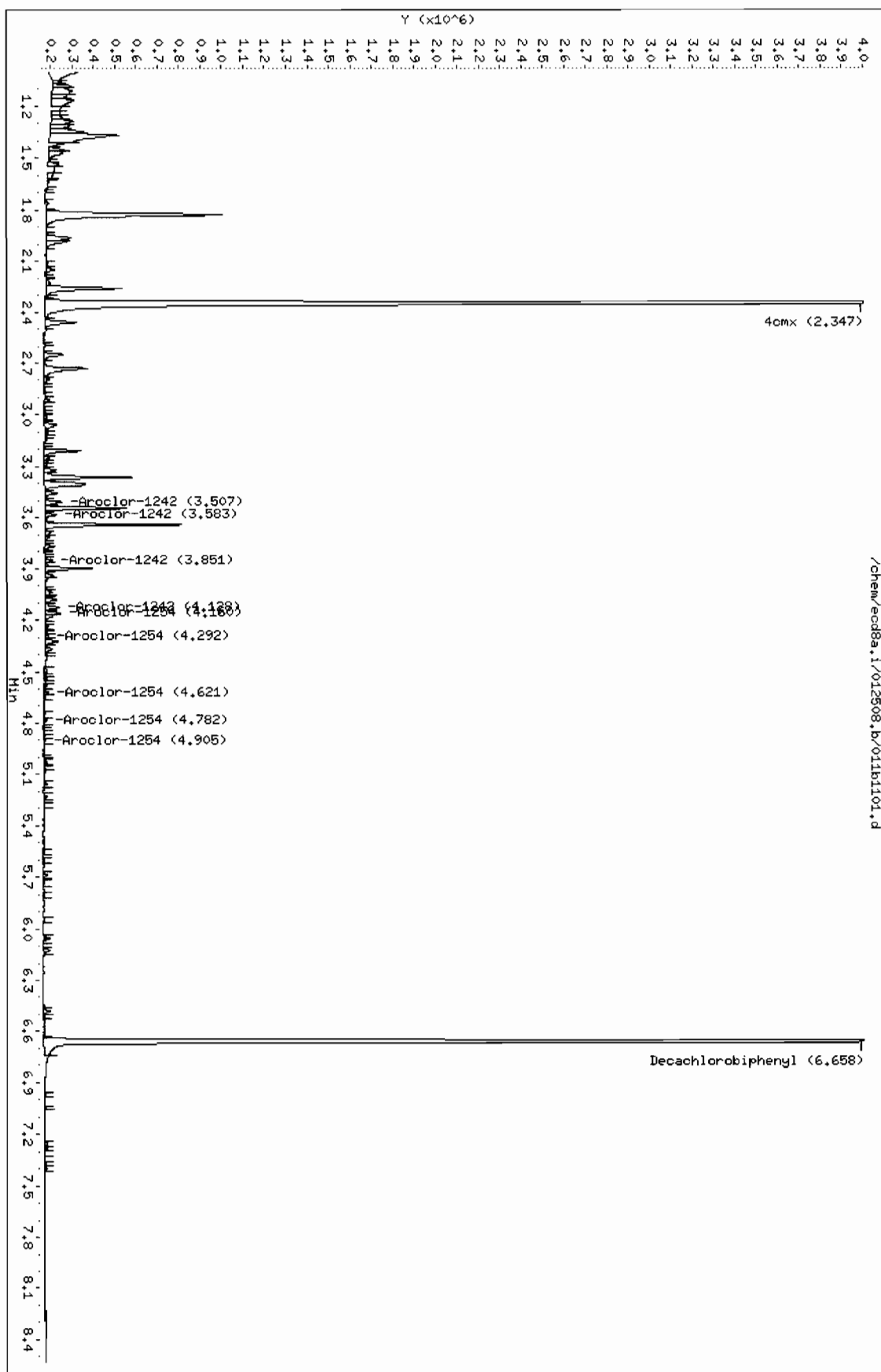
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/ecd8a.i/012508.b/01b1101.d
Date : 25-JAN-2008 09:32
Client ID: PBLK02
Sample Info: 1120150268211
Volume Injected (uL): 1.0
Column phase: CLP2

Instrument: ecd8a.i
Operator: JROC
Column diameter: 0.25

Page 1



PCB
Certificate of Analysis
Sample Summary

Page 1 of 1

SDG Number: 201226		Matrix: GROUND WATER
Lab Sample ID: 1201498637		
Client Sample: QC for batch 719131	Client: CATL002	Project: QC
Client ID: LCS for hatch 719131	Method: SW846 8082	SOP Ref: GL-OA-E-040
Batch ID: 719135	Inst: ECD8A.I	Dilution: 1
Run Date: 01/22/2008 11:07	Analyst: JAOC	Inj. Vol: 1 uL
Prep Date: 01/21/2008 15:50	Aliquot: 1000 mL	Final Volume: 1 mL
Data File: 012f1201.d	Column: 1 CLP1	Level: LOW
012b1201.d	2 CLP2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
12674-11-2	Aroclor-1016		0.720	ug/L	0.0333	0.100	2
11104-28-2	Aroclor-1221	U	0.100	ug/L	0.0333	0.100	1
11141-16-5	Aroclor-1232	U	0.100	ug/L	0.0333	0.100	1
53469-21-9	Aroclor-1242	U	0.100	ug/L	0.0333	0.100	1
12672-29-6	Aroclor-1248	U	0.100	ug/L	0.0333	0.100	1
11097-69-1	Aroclor-1254	U	0.100	ug/L	0.0333	0.100	1
11096-82-5	Aroclor-1260		0.850	ug/L	0.0333	0.100	2

Report Date: 23-Jan-2008 14:48

GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012208.b/012f1201.d

Lab Smp Id: 1201498637

Client Smp ID: PBLK01LCS

Inj Date : 22-JAN-2008 11:07

Operator : JAOC

Inst ID: ecd8a.i

Smp Info : |1201498637|1|

Misc Info : |ECD82P_1LF|719135|SVAF|QC A|GROUND WATER|LCS|||

Comment :

Method : /chem/ecd8a.i/012208.b/ECD8-F-8082-121207.m

Meth Date : 22-Jan-2008 16:31 jen01212 Quant Type: ESTD

Cal Date : 26-DEC-2007 13:08

Cal File: 026f2601.d

Als bottle: 12

QC Sample: LCS

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 201226.sub

Target Version: 3.50

Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx			CAS #: 877-09-8				
2.138	2.138	0.000	7283534	95.3940	0.095	80.00- 120.00	100.00
\$ 12 Decachlorobiphenyl			CAS #: 2051-24-3				
6.076	6.076	0.000	4933255	156.382	0.16	80.00- 120.00	100.00
1 Aroclor-1016			CAS #: 12674-11-2				
3.023	3.022	0.001	2916857	675.477	0.68	80.00- 120.00	100.00 (M)
3.119	3.119	0.000	1636055	687.420	0.69	36.47- 76.47	56.09
3.256	3.255	0.001	818590	698.162	0.70	6.75- 46.75	28.06
3.270	3.271	-0.001	1163637	803.318	0.80	14.13- 54.13	39.89
3.415	3.414	0.001	1745255	686.537	0.69	39.54- 79.54	59.83
Average of Peak Concentrations =			0.71				

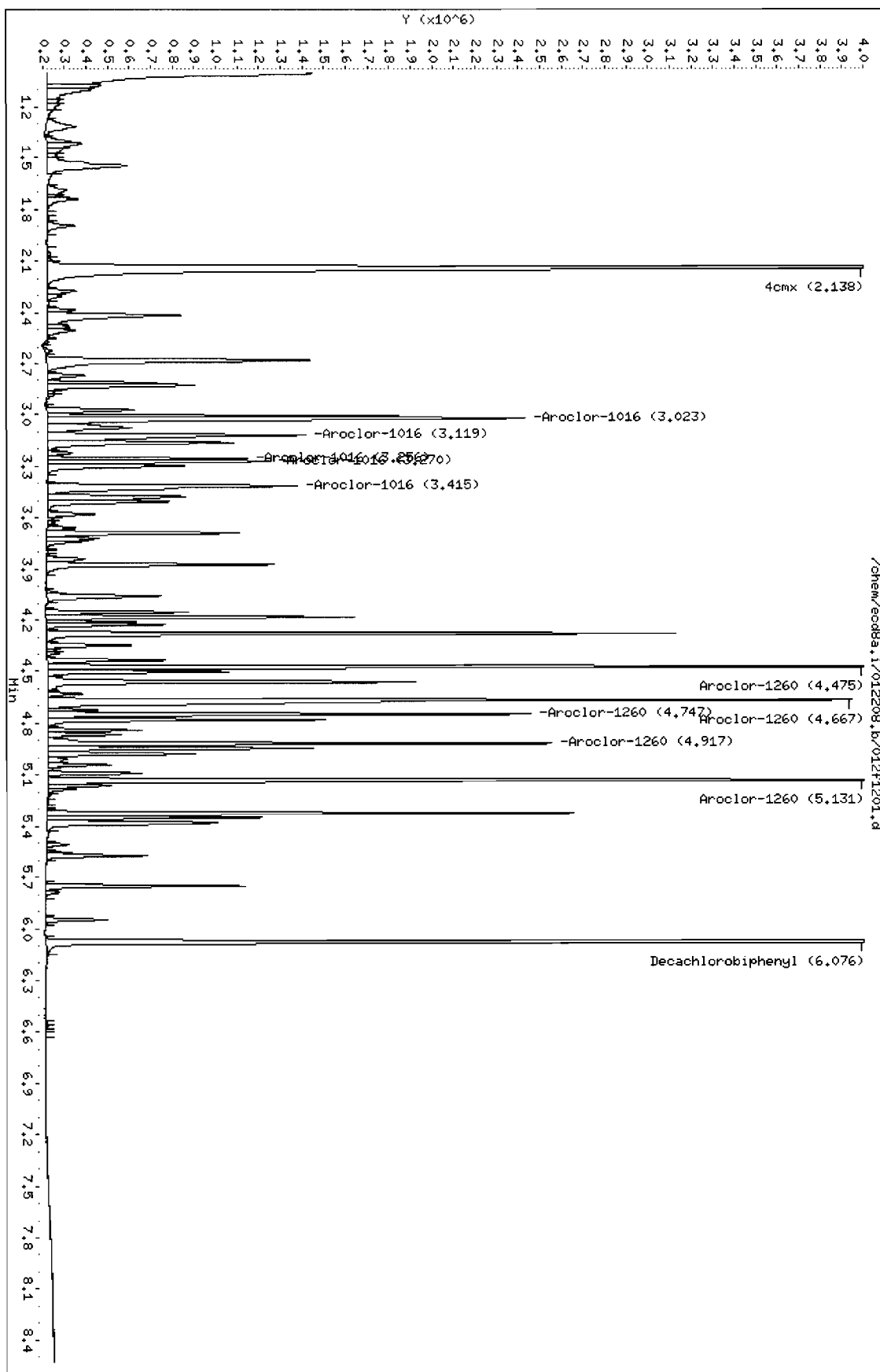
		CONCENTRATIONS							
		ON-COL		FINAL					
RT	EXP RT	DLT RT	RT	RESPONSE (ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====		=====	=====	=====	=====	=====	
7 Aroclor-1260				CAS #: 11096-82-5					
4.475	4.474	0.001		4003076	802.188	0.80	80.00- 120.00	100.00	
4.667	4.667	0.000		4384578	807.982	0.81	90.03- 130.03	109.53	
4.747	4.747	0.000		1992950	805.609	0.80	29.25- 69.25	49.79	
4.917	4.916	0.001		2175585	806.538	0.81	34.13- 74.13	54.35	
5.131	5.131	0.000		4207444	834.705	0.83	83.04- 123.04	105.11	
Average of Peak Concentrations =				0.81					

QC Flag Legend

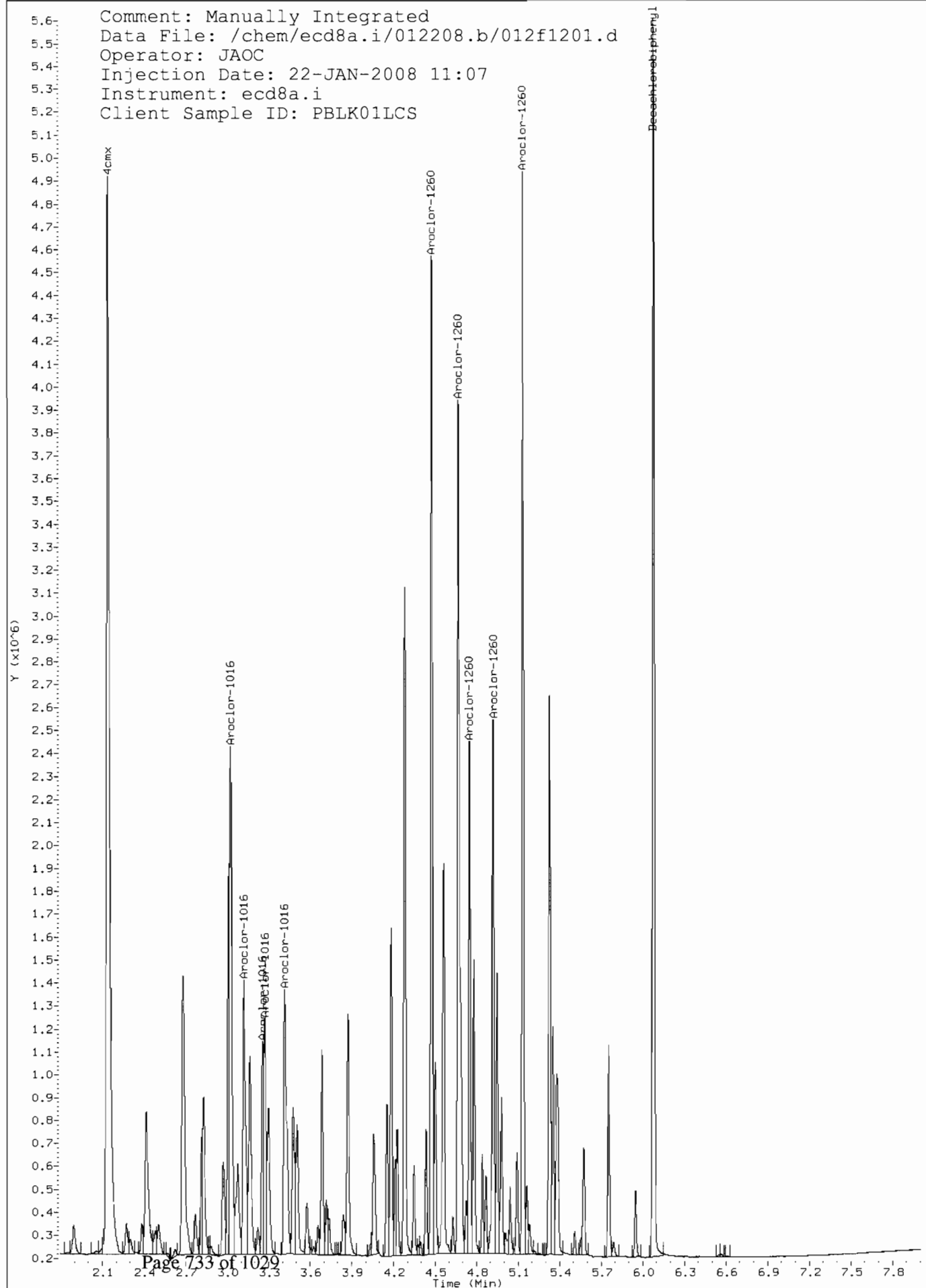
M - Compound response manually integrated.

Data File: /chem/ec88a.i/012208.b/012f1201.d
Date : 22-JAN-2008 11:07
Client ID: PBLK01LCS
Sample Info: 11201498637141
Volume Injected (uL): 1.0
Column phase: CLP1

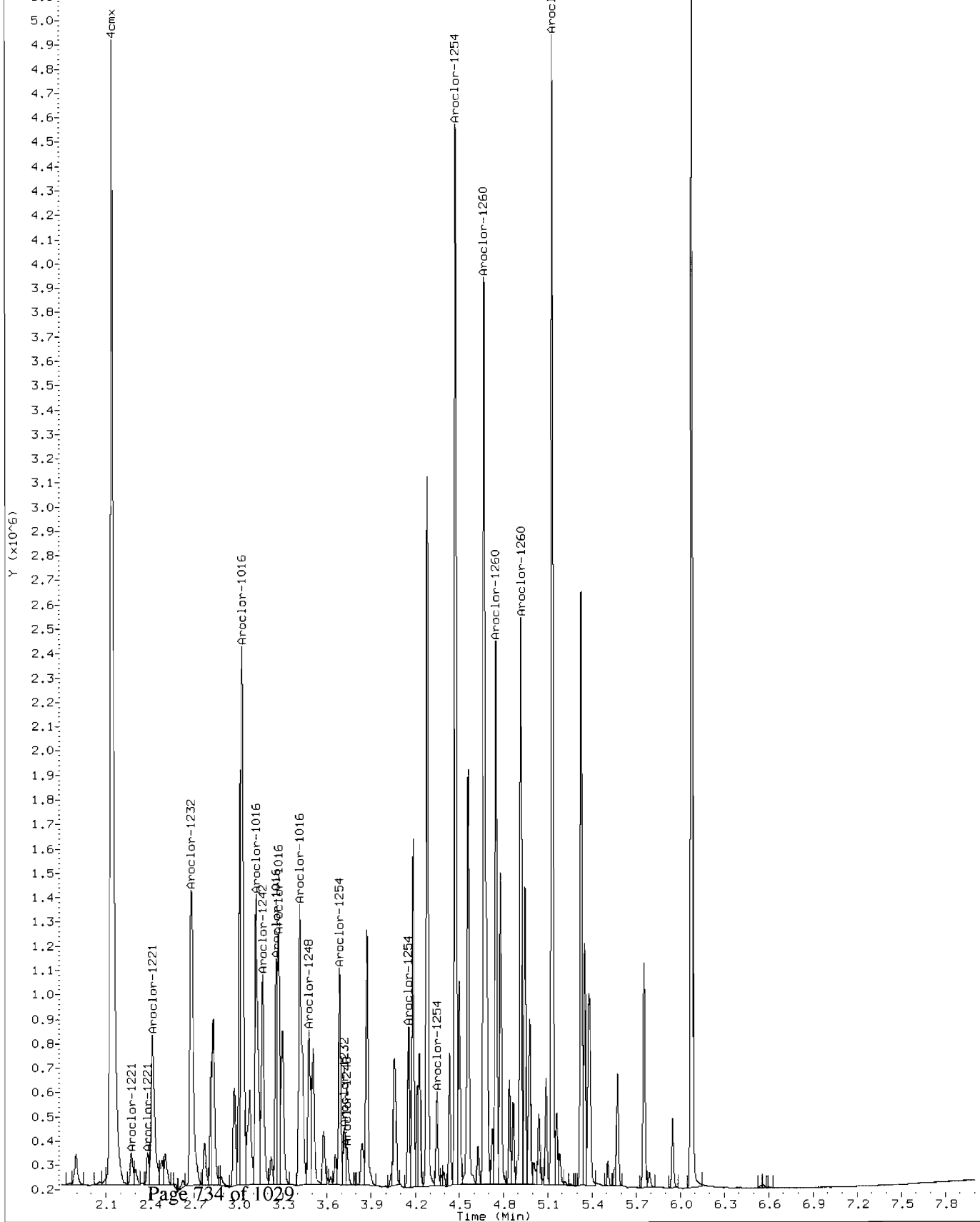
Instrument: ec88a.i
Operator: JROC
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012208.b/012f1201.d
Operator: JAOC
Injection Date: 22-JAN-2008 11:07
Instrument: ecd8a.i
Client Sample ID: PBLK01LCS



Comment: Before manual integration
Data File: /chem/ecd8a.i/012208.b/orig-012f1201.d
Operator: JAOC
Injection Date: 22-JAN-2008 11:07
Instrument: ecd8a.i
Client Sample ID: PBLK01LCS



GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL
 Data file : /chem/ecd8a.i/012208.b/012b1201.d
 Lab Smp Id: 1201498637 Client Smp ID: PBLK01LCS
 Inj Date : 22-JAN-2008 11:07
 Operator : JAOC Inst ID: ecd8a.i
 Smp Info : |1201498637|1|
 Misc Info : |ECD82P_1LF|719135|SVAF|QC A|GROUND WATER|LCS|||
 Comment :
 Method : /chem/ecd8a.i/012208.b/ECD8-B-8082-121207.m
 Meth Date : 22-Jan-2008 16:29 jen01212 Quant Type: ESTD
 Cal Date : 26-DEC-2007 13:08 Cal File: 026b2601.d
 Als bottle: 12 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 201226.sub
 Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
			ON-COL		FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 11 4cmx					CAS #: 877-09-8		
2.349	2.349	0.000	5544506	103.528	0.10	80.00- 120.00	100.00
\$ 12 Decachlorobiphenyl					CAS #: 2051-24-3		
6.660	6.660	0.000	3775397	165.345	0.16	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.510	3.509	0.001	1203175	703.993	0.70	80.00- 120.00	100.00 (M)
3.585	3.586	-0.001	689699	678.999	0.68	39.91- 79.91	57.32
3.658	3.658	0.000	852268	790.603	0.79	41.85- 81.85	70.83
3.690	3.689	0.001	782923	706.888	0.71	43.54- 83.54	65.07
3.854	3.854	0.000	997030	712.732	0.71	61.93- 101.93	82.87
Average of Peak Concentrations =					0.72		

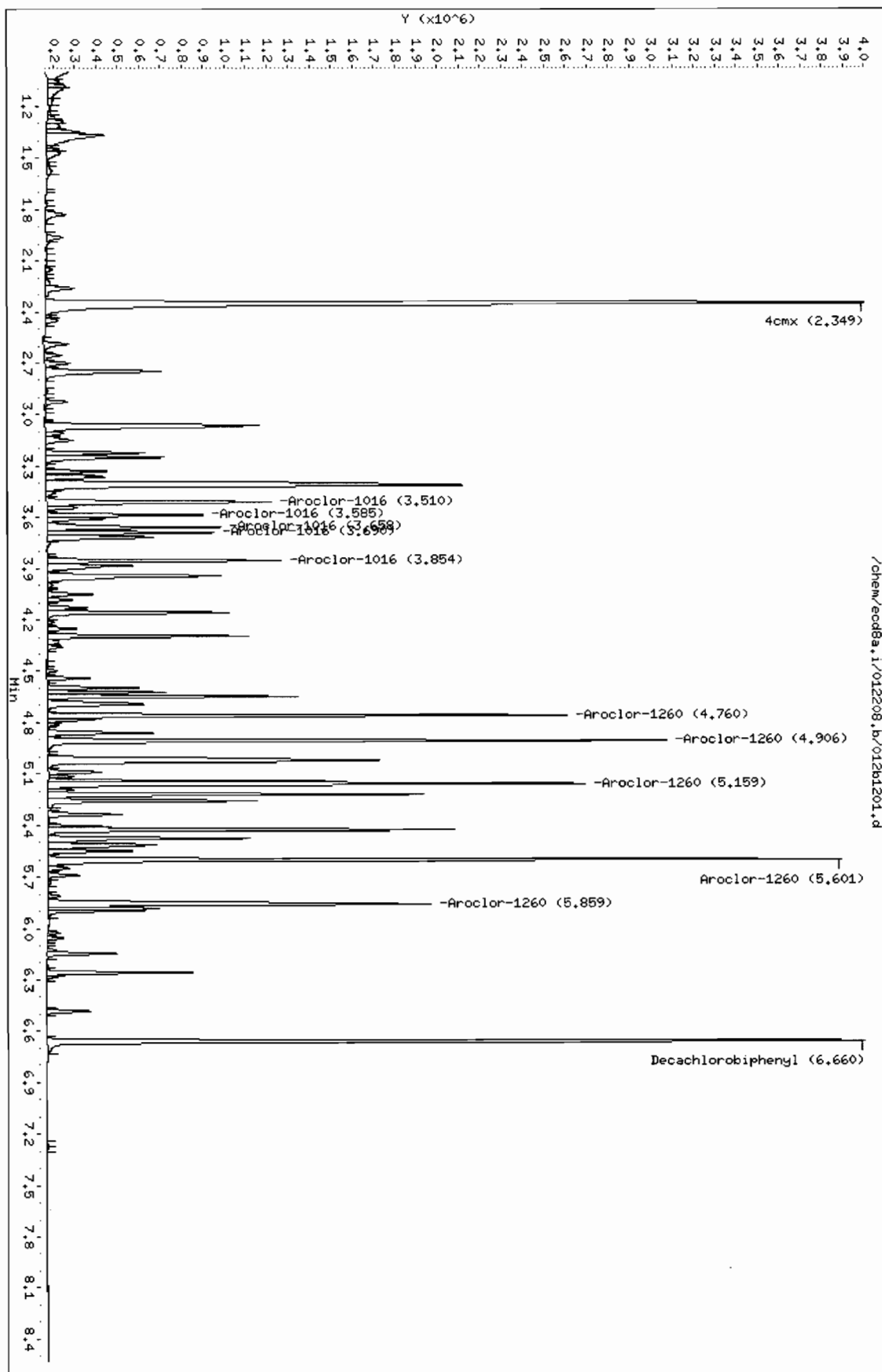
CONCENTRATIONS								
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
7 Aroclor-1260					CAS #: 11096-82-5			
4.760	4.759	0.001	2092566	822.368	0.82	80.00- 120.00	100.00 (M)	
4.906	4.907	-0.001	2524202	830.572	0.83	100.26- 140.26	120.63	
5.159	5.159	0.000	2457414	847.667	0.85	98.04- 138.04	117.44	
5.601	5.601	0.000	3397711	872.158	0.87	139.97- 179.97	162.37	
5.859	5.858	0.001	2269539	862.843	0.86	86.94- 126.94	108.46	
Average of Peak Concentrations =					0.85			

QC Flag Legend

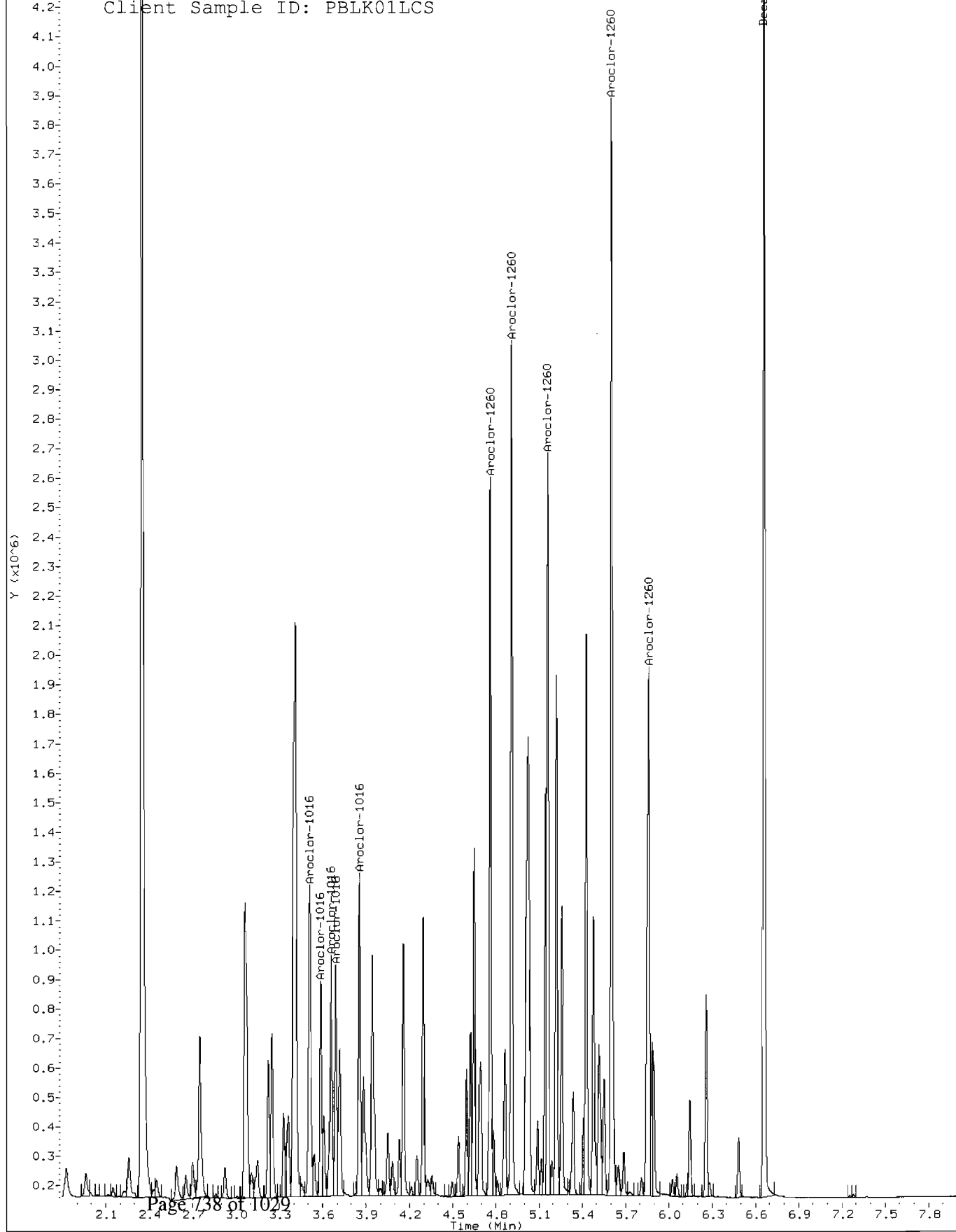
M - Compound response manually integrated.

Data File: /chem/ecdb8a.i/012208.b/012b1201.d
Date : 22-JAN-2008 11:07
Client ID: PRLK01LCS
Sample Info: 1120149863711
Volume Injected (uL): 1.0
Column phase: CLP2

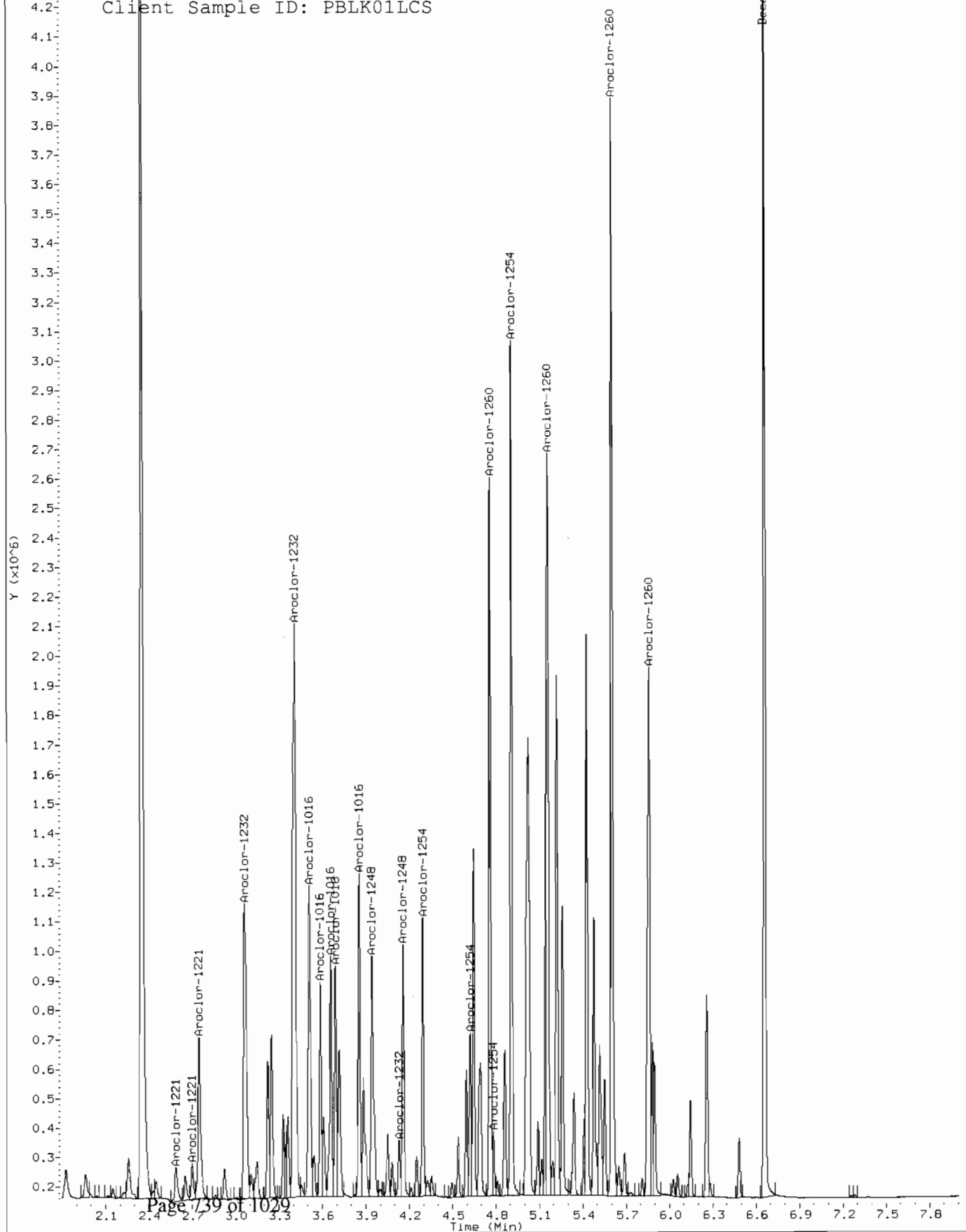
Instrument: ecdb8a.i
Operator: JAOC
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd8a.i/012208.b/012b1201.d
Operator: JAOC
Injection Date: 22-JAN-2008 11:07
Instrument: ecd8a.i
Client Sample ID: PBLK01LCS



~~Beachloropheny~~



PCB
Certificate of Analysis
Sample Summary

Page 1 of 1

SDG Number: 201226 Lab Sample ID: 1201502583 Client Sample: QC for batch 721031 Client ID: LCS for batch 721031 Batch ID: 721032 Run Date: 01/25/2008 09:45 Prep Date: 01/24/2008 15:45 Data File: 012f1201.d 012b1201.d	Client: CATL002 Method: SW846 8082 Inst: ECD8A.I Analyst: JAOC Aliquot: 1000 mL Column: 1 CLP1 2 CLP2	Matrix: GROUND WATER Project: QC SOP Ref: GL-OA-E-040 Dilution: 1 Inj. Vol: 1 uL Final Volume: 1 mL Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
12674-11-2	Aroclor-1016		0.770	ug/L	0.0333	0.100	1
11104-28-2	Aroclor-1221	U	0.100	ug/L	0.0333	0.100	1
11141-16-5	Aroclor-1232	U	0.100	ug/L	0.0333	0.100	1
53469-21-9	Aroclor-1242	U	0.100	ug/L	0.0333	0.100	1
12672-29-6	Aroclor-1248	U	0.100	ug/L	0.0333	0.100	1
11097-69-1	Aroclor-1254	U	0.100	ug/L	0.0333	0.100	1
11096-82-5	Aroclor-1260		0.850	ug/L	0.0333	0.100	2

Data File: /chem/ecd8a.i/012508.b/012f1201.d
Report Date: 29-Jan-2008 11:13

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GEL Laboratories LLC

RTX-CLPEST1 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/012f1201.d
Lab Smp Id: 1201502583 Client Smp ID: PBLK02LCS
Inj Date : 25-JAN-2008 09:45
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |1201502583|1|
Misc Info : |ECD82P_1LF|721032|SVAF|QC A|GROUND WATER|LCS|||
Comment :
Method : /chem/ecd8a.i/012508.b/ECD8-F-8082-121207.m
Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
Cal Date : 23-JAN-2008 13:33 Cal File: 025f2501.d
Als bottle: 12 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water
Processing Host: hpc1p1

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
==	=====	=====	RESPONSE (ug/L)	(ug/L)	=====	=====
\$ 11 4cmx CAS #: 877-09-8						
2.136	2.135	0.001	8022865 121.646	0.12	80.00- 120.00	100.00

\$ 12 Decachlorobiphenyl CAS #: 2051-24-3						
6.074	6.073	0.001	7718588 160.661	0.16	80.00- 120.00	100.00

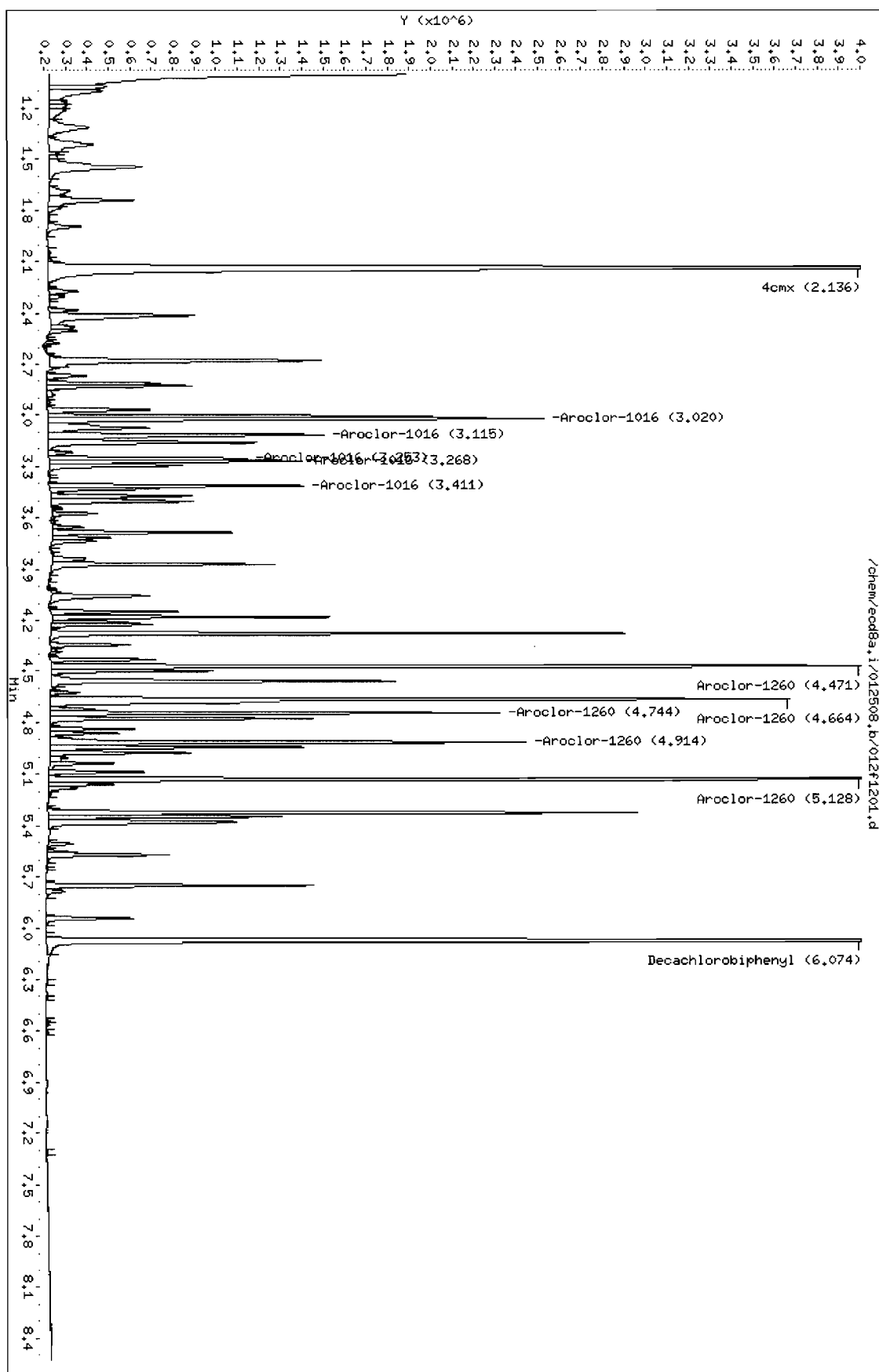
1 Aroclor-1016 CAS #: 12674-11-2						
3.020	3.020	0.000	2415486 770.121	0.77	80.00- 120.00	100.00
3.115	3.115	0.000	1478069 709.234	0.71	40.43- 80.43	61.19
3.253	3.251	0.002	749650 683.475	0.68	41.75- 81.75	31.04
3.268	3.268	0.000	1142390 969.413	0.97	43.59- 83.59	47.29
3.411	3.410	0.001	1093521 707.056	0.71	60.65- 100.65	45.27
Average of Peak Concentrations =				0.77		

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
7 Aroclor-1260					CAS #: 11096-82-5				
4.471	4.470	0.001	3603627	833.384	0.83	80.00-	120.00	100.00	
4.664	4.663	0.001	4041385	818.147	0.82	103.69-	143.69	112.15	
4.744	4.743	0.001	1827438	818.585	0.82	107.02-	147.02	50.71	
4.914	4.913	0.001	2050655	817.126	0.82	174.64-	214.64	56.91	
5.128	5.127	0.001	4394949	849.462	0.85	123.18-	163.18	121.96	
Average of Peak Concentrations =					0.83				

Data File: /chem/ecod8a.i/012508.b/012f1201.d
Date : 25-JAN-2008 09:45
Client ID: PBLK02LCS
Sample Info: 11201502583111
Volume Injected (uL): 1.0
Column phase: CLP1

Instrument: ecod8a.i
Operator: JMO
Column diameter: 0.25

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GEL Laboratories LLC

RTX-CLPEST2 30m/0.25 mm 1.0 INJ VOL

Data file : /chem/ecd8a.i/012508.b/012b1201.d
Lab Smp Id: 1201502583 Client Smp ID: PBLK02LCS
Inj Date : 25-JAN-2008 09:45
Operator : JAOC Inst ID: ecd8a.i
Smp Info : |1201502583|1|
Misc Info : |ECD82P_1LF|721032|SVAF|QC A|GROUND WATER|LCS|||
Comment :
Method : /chem/ecd8a.i/012508.b/ECD8-B-8082-121207.m
Meth Date : 28-Jan-2008 08:28 jen01212 Quant Type: ESTD
Cal Date : 23-JAN-2008 13:58 Cal File: 027b2701.d
Als bottle: 12 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water
Processing Host: hpclpl

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	1.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====		
\$ 11 4cmx CAS #: 877-09-8									
2.347	2.346	0.001	6253687	120.748	0.12	80.00- 120.00	100.00		

\$ 12 Decachlorobiphenyl CAS #: 2051-24-3									
6.659	6.659	0.000	6484431	166.485	0.17	80.00- 120.00	100.00		

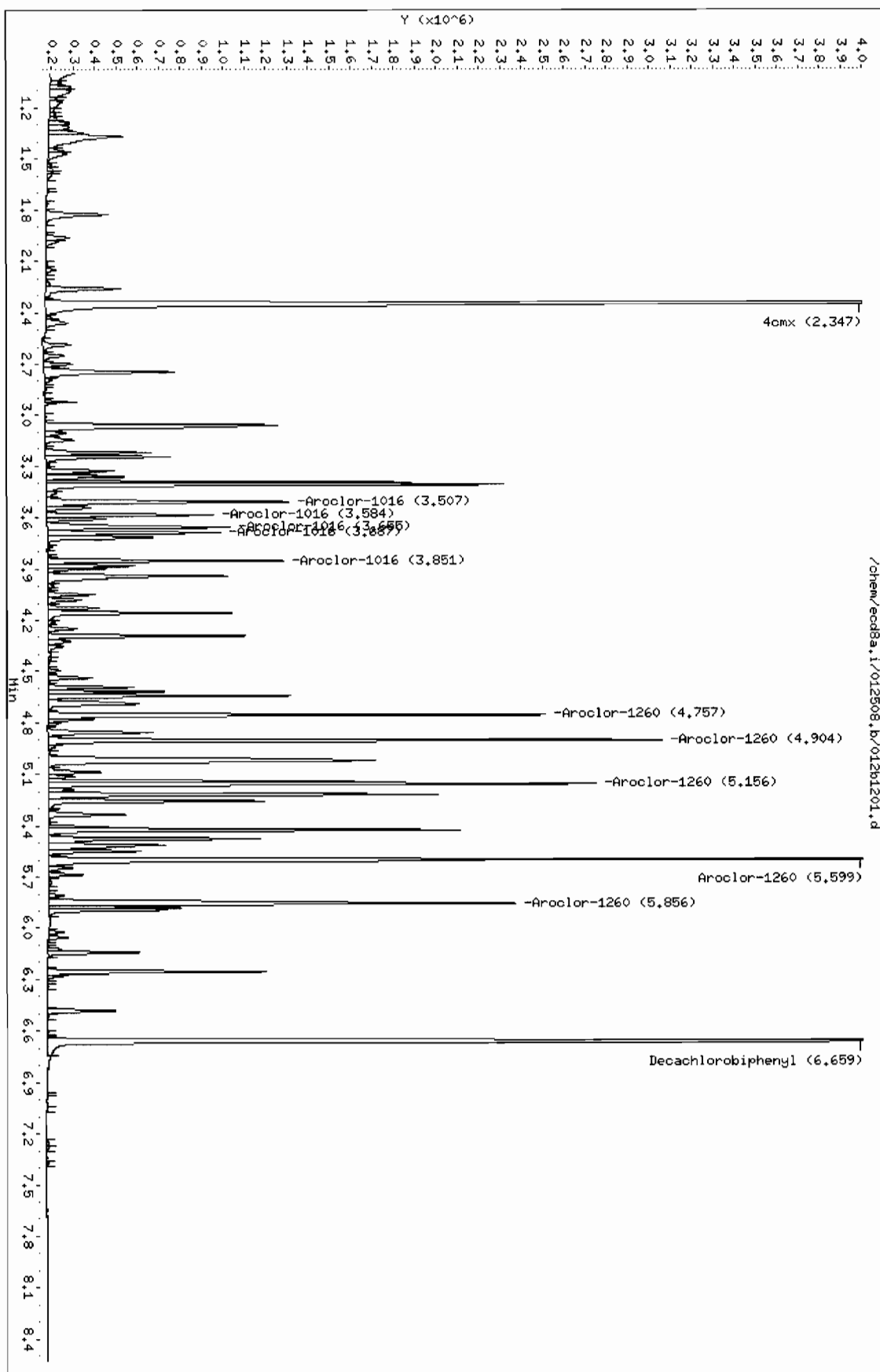
1 Aroclor-1016 CAS #: 12674-11-2									
3.507	3.506	0.001	1199725	742.133	0.74	80.00- 120.00	100.00		
3.584	3.584	0.000	688073	718.215	0.72	40.43- 80.43	57.35		
3.655	3.655	0.000	928523	923.571	0.92	41.75- 81.75	77.39		
3.687	3.686	0.001	752217	724.585	0.72	43.59- 83.59	62.70		
3.851	3.851	0.000	953028	729.322	0.73	60.65- 100.65	79.44		
Average of Peak Concentrations =					0.77				

CONCENTRATIONS						
			ON-COL		FINAL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
7 Aroclor-1260			CAS #: 11096-82-5			
4.757	4.757	0.000	1976468	828.294	0.83 80.00- 120.00	100.00
4.904	4.904	0.000	2455516	847.831	0.85 103.69- 143.69	124.24
5.156	5.156	0.000	2487974	863.117	0.86 107.02- 147.02	125.88
5.599	5.599	0.000	3876946	872.779	0.87 174.64- 214.64	196.16
5.856	5.856	0.000	2729420	844.625	0.84 123.18- 163.18	138.10
Average of Peak Concentrations =			0.85			

Data File: /chem/ecd8a.i/012508.b/012b1201.d
Date : 25-JAN-2008 09:45
Client ID: PBLK02LCS
Sample Info: 1120150268311
Volume Injected (ul): 1.0
Column phase: CLP2

Instrument: ecd8a.i
Operator: J9DC
Column diameter: 0.25

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MISCELLANEOUS DATA

GEL ORGANIC RUN LOG

INSTRUMENT ID: ECD8

DATE: 01/22/2008 METHOD: ECD8-F-8082-121207.m OPERATOR: JAOC REVIEWED BY: _____
DATE: _____

HARDWARE CONFIGURATION & METHOD SUMMARY: No. 1 on pg. 1 SOLVENT LOT: CU480
ALUMINA LOT: 713164-A
MERCURY LOT: 071220-A
Calibration & QC Information
Initial Calibration Dates: See Calibration History and Standards Log
Initial Calibration Std ID's: See Calibration History and Standards Log
GEL SOP GL-OA-E-040
EPA Method: 8082 Polychlorinated Biphenyls PCBs by Gas Chromatography
Sequence Number: Injection Volume: 1.0 uL

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
1001f0101.d	WAR071227-99IB1	JAOC	21-JAN-2008 09:32		1012108	1.0	CLEAN	
1002f0201.d	WAR080111-60	JAOC	21-JAN-2008 09:44		1012108	1.0	DUSE	
1003f0301.d	WAR071205-54	JAOC	21-JAN-2008 09:56		1012108	1.0	PASSES BOTH COLUMNS	
1004f0401.d	WAR080104-42	JAOC	21-JAN-2008 10:08		1012108	1.0	PASSES BOTH COLUMNS	
1005f0501.d	WAR080104-48	JAOC	21-JAN-2008 10:21		1012108	1.0	PASSES BOTH COLUMNS	
1006f0601.d	WAR071205-32	JAOC	21-JAN-2008 10:33		1012108	1.0	PATTERN ONLY	
1007f0701.d	WAR080111-60	JAOC	21-JAN-2008 11:14		1012108	1.0	DUSE	
1008f0801.d	WAR080121-01 60	JAOC	21-JAN-2008 11:39		1012108	1.0	LEVEL 1 1660	
1009f0901.d	WAR080121-02 60	JAOC	21-JAN-2008 11:51		1012108	1.0	LEVEL 2 1660	
1010f1001.d	WAR080121-03 60	JAOC	21-JAN-2008 12:04		1012108	1.0	LEVEL 3 1660	
1011f1101.d	WAR080121-04 60	JAOC	21-JAN-2008 12:16		1012108	1.0	LEVEL 4 1660	
1012f1201.d	WAR071130-01 60	JAOC	21-JAN-2008 12:29		1012108	1.0	LEVEL 5 1660	
1013f1301.d	WAR080111-60	JAOC	21-JAN-2008 12:41		1012108	1.0	PASSES BOTH COLUMNS	
1014f1401.d	WAR071022-21	JAOC	21-JAN-2008 12:53		1012108	1.0	PATTERN ONLY	
1015f1501.d	WAR071119-62	JAOC	21-JAN-2008 13:05		1012108	1.0	PATTERN ONLY	

Instrument Batch: /chem/ecd8a.i/012108.b

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Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
1016f1601.d	WAR071010-68	JAOC	21-JAN-2008 13:18		1012108	1.0	PATTERN ONLY	
1017f1701.d	WAR071227-99IB2	JAOC	21-JAN-2008 13:30		1012108	1.0	CLEAN	

018f1801.d	1201498654	JAOC	21-JAN-2008	13:42	719145	201106		1.0 QC A		UPLOAD BOTH, USE HIGHER
019f1901.d	1201498655	JAOC	21-JAN-2008	13:55	719145	201106		1.0 QC A		UPLOAD BOTH, USE HIGHER
020f2001.d	1201498659	JAOC	21-JAN-2008	14:07	719145	201106		1.0 QC A		UPLOAD BOTH, USE HIGHER
021f2101.d	201106004	JAOC	21-JAN-2008	14:19	719145	201106		1.0 METO		UPLOAD BOTH, USE HIGHER
022f2201.d	IAR071130-01 60	JAOC	21-JAN-2008	14:31		012108		1.0		PASSES BOTH COLUMNS
023f2301.d	WAR071227-99IB3	JAOC	21-JAN-2008	14:47		012108		1.0		CLEAN
024f2401.d	1201498175	JAOC	21-JAN-2008	14:59	718902	IDOC-PB-PESTPCBDROS		1.0 QC A		UPLOAD BOTH, USE HIGHER
025f2501.d	201027001	JAOC	21-JAN-2008	15:11	718902	IDOC-PB-PESTPCBDROS		1.0 QCQA		UPLOAD BOTH, USE HIGHER
026f2601.d	201027002	JAOC	21-JAN-2008	15:23	718902	IDOC-PB-PESTPCBDROS		1.0 QCQA		UPLOAD BOTH, USE HIGHER
027f2701.d	201027003	JAOC	21-JAN-2008	15:36	718902	IDOC-PB-PESTPCBDROS		1.0 QCQA		UPLOAD BOTH, USE HIGHER
028f2801.d	201027004	JAOC	21-JAN-2008	15:48	718902	IDOC-PB-PESTPCBDROS		1.0 QCQA		UPLOAD BOTH, USE HIGHER
029f2901.d	201027005	JAOC	21-JAN-2008	16:00	718902	IDOC-PB-PESTPCBDROS		1.0 QCQA		UPLOAD BOTH, USE HIGHER
030f3001.d	IAR071130-01 60	JAOC	21-JAN-2008	16:13		012108		1.0		PASSES BOTH COLUMNS
031f3101.d	WAR071227-99IB4	JAOC	21-JAN-2008	16:25		012108		1.0		CLEAN
032f3201.d	1201497546	JAOC	21-JAN-2008	16:37	718596	200925		1.0 QC A		UPLOAD BOTH, USE HIGHER
033f3301.d	1201497547	JAOC	21-JAN-2008	16:50	718596	012108		1.0 QC A		UPLOAD BOTH, USE HIGHER
034f3401.d	200925001	JAOC	21-JAN-2008	17:02	718596	200925		100.0 USEC		UPLOAD BOTH, USE HIGHER
035f3501.d	200925002	JAOC	21-JAN-2008	17:14	718596	200925		500.0 USEC		UPLOAD BOTH, USE HIGHER

Instrument Batch: /chem/ecd8a.i/012108.b

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Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
036f3601.d	1200925003	JAOC	121-JAN-2008 17:27	718596	1200925	10.0	USEC	UPLOAD BOTH, USE HIGHER
037f3701.d	11201499438	JAOC	121-JAN-2008 17:40	718596	1200925	10.0	QC A	UPLOAD BOTH, USE HIGHER
038f3801.d	11201499439	JAOC	121-JAN-2008 17:52	718596	1200925	10.0	QC A	UPLOAD BOTH, USE HIGHER
039f3901.d	1200925004	JAOC	121-JAN-2008 18:05	718596	1200925	200.0	USEC	UPLOAD BOTH, USE HIGHER
040f4001.d	1200925005	JAOC	121-JAN-2008 18:17	718596	1200925	10.0	USEC	UPLOAD BOTH, USE HIGHER
041f4101.d	WAR071227-99IB5	JAOC	121-JAN-2008 18:29	ISOLV	012108	1.0	IB	CLEAN

GEL ORGANIC RUN LOG

INSTRUMENT ID: ECD8

DATE: 01/23/2008 METHOD: ECD8-F-8082-121207.m OPERATOR:JAOC REVIEWED BY: _____
DATE: _____

HARDWARE CONFIGURATION & METHOD SUMMARY: No. 1 on pg. 1 SOLVENT LOT:CU480
ALUMINA LOT:713164-A
MERCURY LOT:071220-A
Calibration & QC Information
Initial Calibration Dates: See Calibration History and Standards Log
Initial Calibration Std ID's: See Calibration History and Standards Log
GEL SOP GL-OA-E-040
EPA Method: 8082 Polychlorinated Biphenyls PCBs by Gas Chromatography
Sequence Number:012208 Injection Volume: 1.0 uL

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
001f0101.d	WAR071227-99TB1	JAOC	122-JAN-2008 08:49		012208	1.0	CLEAN	
002f0201.d	WAR080111-60	JAOC	122-JAN-2008 09:02		012208	1.0	PASSES BOTH COLUMNS	
003f0301.d	WAR071205-54	JAOC	122-JAN-2008 09:14		012208	1.0	PASSES BOTH COLUMNS	
004f0401.d	WAR080104-42	JAOC	122-JAN-2008 09:26		012208	1.0	PASSES BOTH COLUMNS	
005f0501.d	WAR080104-48	JAOC	122-JAN-2008 09:38		012208	1.0	PASSES BOTH COLUMNS	
006f0601.d	WAR071205-32	JAOC	122-JAN-2008 09:51		012208	1.0	PATTERN ONLY	
007f0701.d	WAR071022-21	JAOC	122-JAN-2008 10:03		012208	1.0	PATTERN ONLY	
008f0801.d	WAR071119-62	JAOC	122-JAN-2008 10:15		012208	1.0	PATTERN ONLY	
009f0901.d	WAR071010-68	JAOC	122-JAN-2008 10:28		012208	1.0	PATTERN ONLY	
010f1001.d	WAR071227-99TB2	JAOC	122-JAN-2008 10:43		012208	1.0	CLEAN	
011f1101.d	1201498636	JAOC	122-JAN-2008 10:55	171935	201226	1.0	QC A UPLOAD BOTH, USE HIGHER	
012f1201.d	1201498637	JAOC	122-JAN-2008 11:07	171935	201226	1.0	QC A UPLOAD BOTH, USE HIGHER	
013f1301.d	1201062002	JAOC	122-JAN-2008 11:20	171935	201062	1.0	GEEL UPLOAD BOTH, USE HIGHER	
014f1401.d	1201498638	JAOC	122-JAN-2008 11:32	171935	201062	1.0	QC A UPLOAD BOTH, USE HIGHER	
015f1501.d	1201498639	JAOC	122-JAN-2008 11:44	171935	1201062	1.0	QC A UPLOAD BOTH, USE HIGHER	

Instrument Batch: /chem/ecd8a.i/012208.b

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Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
016f1601.d	WAR080111-60	JAOC	122-JAN-2008 11:57		012208	1.0	PASSES BOTH COLUMNS	
017f1701.d	WAR071227-99TB3	JAOC	122-JAN-2008 12:09		012208	1.0	CLEAN	

018f1801.d	201226001	JAO	22-JAN-2008 12:21	719135	201226	1	1.0	CATL	1	UPLOAD BOTH, USE HIGHER
019f1901.d	201226002	JAO	22-JAN-2008 12:34	719135	201226	1	1.0	CATL	1	SENT FOR RE DUE TO LOW 4CMX
020f2001.d	WAR080111-60	JAO	22-JAN-2008 12:46	1	012208	1	1.0		1	PASSES BOTH COLUMNS
021f2101.d	WAR071227-99TB4	JAO	22-JAN-2008 12:58	1	012208	1	1.0		1	CLEAN
022f2201.d	1201499997	JAO	22-JAN-2008 13:10	719711	08-492	1	1.0	QC A	1	UPLOAD BOTH, USE HIGHER
023f2301.d	1201499998	JAO	22-JAN-2008 13:23	719711	08-492	1	1.0	QC A	1	UPLOAD BOTH, USE HIGHER
024f2401.d	200952003	JAO	22-JAN-2008 13:35	719711	08-492	1	1.0	LANL	1	UPLOAD BOTH, USE HIGHER
025f2501.d	201140004	JAO	22-JAN-2008 13:47	719711	08-521	1	1.0	LANL	1	UPLOAD BOTH, USE HIGHER
026f2601.d	201242001	JAO	22-JAN-2008 14:00	719711	08-534	1	1.0	LANL	1	UPLOAD BOTH, USE HIGHER
027f2701.d	1201499999	JAO	22-JAN-2008 14:12	719711	08-534	1	1.0	QC A	1	UPLOAD BOTH, USE HIGHER
028f2801.d	1201500000	JAO	22-JAN-2008 14:24	719711	08-534	1	1.0	QC A	1	UPLOAD BOTH, USE HIGHER
029f2901.d	201242002	JAO	22-JAN-2008 14:36	719711	08-534	1	1.0	LANL	1	UPLOAD BOTH, USE HIGHER
030f3001.d	201255002	JAO	22-JAN-2008 14:49	719711	08-532	1	1.0	LANL	1	SENT FOR RE DUE TO LOW 4CMX
031f3101.d	201255003	JAO	22-JAN-2008 15:01	719711	08-532	1	1.0	LANL	1	DUSE, OVERRANGE
032f3201.d	WAR071227-99TB5	JAO	22-JAN-2008 15:21	1	012208	1	1.0		1	CLEAN
033f3301.d	WAR080111-60	JAO	22-JAN-2008 15:33	1	012208	1	1.0		1	PASSES BOTH COLUMNS
034f3401.d	WAR071227-99TB6	JAO	22-JAN-2008 15:45	1	012208	1	1.0		1	CLEAN
035f3501.d	201255003	JAO	22-JAN-2008 15:57	719711	08-532	1	20.0	LANL	1	UPLOAD BOTH, USE HIGHER

Instrument Batch: /chem/ecd8a.i/012208.b

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Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
036f3601.d	WAR071227-99TB7	JAO	22-JAN-2008 16:10	1	012208	1	1.0	CLEAN
037f3701.d	WAR080111-60	JAO	22-JAN-2008 16:22	1	012208	1	1.0	PASSES BOTH COLUMNS

GEL ORGANIC RUN LOG

INST'RUMEN'I' ID: ECD8

DATE: 01/24/2008 METHOD: ECD8-F-8082-121207.m OPERATOR:JAOC REVIEWED BY: _____
DATE: _____

HARDWARE CONFIGURATION & METHOD SUMMARY: No. 1 on pg. 1 SOLVENT LOT:CU480
ALUMINA LOT:713164-A
MERCURY LOT:071220-A

Calibration & QC Information

Initial Calibration Dates: See Calibration History and Standards Log
Initial Calibration Std ID's: See Calibration History and Standards Log
GEL SOP GL-OA-E-040

EPA Method: 8082 Polychlorinated Biphenyls PCBs by Gas Chromatography
Injection Volume: 1.0 uL
Sequence Number:012308

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments

001f0101.d	WAR071227-991B1	JAOC	23-JAN-2008 08:38		012308	1.01	CLEAN	

002f0201.d	WAR080111-60	JAOC	23-JAN-2008 08:50		012308	1.01	DUSE	

003f0301.d	WAR071205-54	JAOC	23-JAN-2008 09:02		012308	1.01	PASSES BOTH COLUMNS	

004f0401.d	WAR080104-42	JAOC	23-JAN-2008 09:15		012308	1.01	DUSE	

005f0501.d	WAR080104-48	JAOC	23-JAN-2008 09:27		012308	1.01	DUSE	

006f0601.d	WAR080123-01 60	JAOC	23-JAN-2008 09:39		012308	1.01	LEVEL 1 1660	

007f0701.d	WAR080123-02 60	JAOC	23-JAN-2008 09:52		012308	1.01	LEVEL 2 1660	

008f0801.d	WAR080123-03 60	JAOC	23-JAN-2008 10:04		012308	1.01	LEVEL 3 1660	

009f0901.d	WAR080123-04 60	JAOC	23-JAN-2008 10:16		012308	1.01	LEVEL 4 1660	

010f1001.d	IAR071130-01 60	JAOC	23-JAN-2008 10:29		012308	1.01	LEVEL 5 1660	

011f1101.d	WAR080111-60	JAOC	23-JAN-2008 10:41		012308	1.01	PASSES BOTH COLUMNS	

012f1201.d	WAR080123-05 42	JAOC	23-JAN-2008 10:53		012308	1.01	LEVEL 1 1242	

013f1301.d	WAR080123-06 42	JAOC	23-JAN-2008 11:06		012308	1.01	LEVEL 2 1242	

014f1401.d	WAR080123-07 42	JAOC	23-JAN-2008 11:18		012308	1.01	LEVEL 3 1242	

015f1501.d	WAR080123-08 42	JAOC	23-JAN-2008 11:30		012308	1.01	LEVEL 4 1242	

Instrument Batch: /chem/ecd8a.i/012308.b

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Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments

016f1601.d	IAR080102-01 42	JAOC	23-JAN-2008 11:43		012308	1.01	LEVEL 5 1242	

017f1701.d	WAR071105-42	JAOC	23-JAN-2008 11:55		012308	1.01	PASSES BOTH COLUMNS	

+-----+									
018f1801.d	WAR080123-09 48	JAOC	23-JAN-2008 12:07		012308		1.0		LEVEL 1 1248
+-----+									
019f1901.d	WAR080123-10 48	JAOC	23-JAN-2008 12:20		012308		1.0		LEVEL 2 1248
+-----+									
020f2001.d	WAR080123-11 48	JAOC	23-JAN-2008 12:32		012308		1.0		LEVEL 3 1248
+-----+									
021f2101.d	WAR080123-12 48	JAOC	23-JAN-2008 12:44		012308		1.0		LEVEL 4 1248
+-----+									
022f2201.d	IAR080103-01 48	JAOC	23-JAN-2008 12:56		012308		1.0		LEVEL 5 1248
+-----+									
023f2301.d	WAR071220-48	JAOC	23-JAN-2008 13:09		012308		1.0		PASSES BOTH COLUMNS
+-----+									
024f2401.d	WAR071205-32	JAOC	23-JAN-2008 13:21		012308		1.0		PATTERN ONLY
+-----+									
025f2501.d	WAR071022-21	JAOC	23-JAN-2008 13:33		012308		1.0		PATTERN ONLY
+-----+									
026f2601.d	WAR071119-62	JAOC	23-JAN-2008 13:46		012308		1.0		PATTERN ONLY
+-----+									
027f2701.d	WAR071010-68	JAOC	23-JAN-2008 13:58		012308		1.0		PATTERN ONLY
+-----+									
028f2801.d	WAR071227-99IB2	JAOC	23-JAN-2008 14:10		012308		1.0		CLEAN
+-----+									
029f2901.d	METALS DI	JAOC	23-JAN-2008 14:22		012308		1.0		DIRTY SCREEN
+-----+									
030f3001.d	GCHEWDI	JAOC	23-JAN-2008 14:35		012308		1.0		DIRTY SCREEN
+-----+									
031f3101.d	1201500981	JAOC	23-JAN-2008 14:47	720242	201226		1.0 QC A		DUSE 1242 HITS
+-----+									
032f3201.d	1201500982	JAOC	23-JAN-2008 14:59	720242	201226		1.0 QC A		DUSE 1242 HITS
+-----+									
033f3301.d	201226002	JAOC	23-JAN-2008 15:12	720242	201226		1.0 CATL		DUSE 1242 HITS
+-----+									
034f3401.d	WAR080111-60	JAOC	23-JAN-2008 15:24		012308		1.0		PASSES BOTH COLUMNS
+-----+									
035f3501.d	WAR071227-99IB3	JAOC	23-JAN-2008 15:36		012308		1.0		CLEAN
+-----+									

Instrument Batch: /chem/ecd8a.i/012308.b

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client		Comments
+-----+									
036f3601.d	201257001	JAOC	23-JAN-2008 15:49	720242	201257		1.0 GEEL		DUSE 1242 HITS
+-----+									
037f3701.d	201259002	JAOC	23-JAN-2008 16:01	720242	201259		1.0 GEEL		DUSE 1242 HITS
+-----+									
038f3801.d	1201500983	JAOC	23-JAN-2008 16:13	720242	201259		1.0 QC A		DUSE 1242 HITS
+-----+									
039f3901.d	1201500984	JAOC	23-JAN-2008 16:25	720242	201259		1.0 QC A		DUSE 1242 HITS
+-----+									
040f4001.d	201259003	JAOC	23-JAN-2008 16:38	720242	201259		1.0 GEEL		DUSE 1242 HITS
+-----+									
041f4101.d	WAR080111-60	JAOC	23-JAN-2008 16:50		012308		1.0		PASSES BOTH COLUMNS
+-----+									

1042f4201.d	WAR071227-99TB4	JAO	23-JAN-2008 17:02		1012308	1.01	CLEAN	
1043f4301.d	1201498218	JAO	23-JAN-2008 17:15	1719989	1201044	1.01QC A	UPLOAD BOTH, USE BACK, 1242 HITS	
1044f4401.d	1201500478	JAO	23-JAN-2008 17:27	1719989	1201044	1.01QC A	UPLOAD BOTH, USE BACK, 1242 HITS	
1045f4501.d	1201500479	JAO	23-JAN-2008 17:39	1719989	1201044	1.01QC A	UPLOAD BOTH, USE BACK, 1242 HITS	
1046f4601.d	1201044001	JAO	23-JAN-2008 17:52	1719989	1201044	1.01GELC	UPLOAD BOTH, USE BACK, 1242 HITS	
1047f4701.d	1201500480	JAO	23-JAN-2008 18:04	1719989	1201044	1.01QC A	UPLOAD BOTH, USE BACK, 1242 HITS	
1048f4801.d	1201500481	JAO	23-JAN-2008 18:16	1719989	1201044	1.01QC A	UPLOAD BOTH, USE BACK, 1242 HITS	
1049f4901.d	WAR080111-60	JAO	23-JAN-2008 18:29		1012308	1.01	PASSES BOTH COLUMNS	
1050f5001.d	WAR071227-99TB5	JAO	23-JAN-2008 18:41	ISOLV	1012308	1.01TB	CLEAN	
1051f5101.d	1201501234	JAO	23-JAN-2008 18:53	1720377	1201118	1.01QC A	UPLOAD BOTH USE FRONT	
1052f5201.d	1201501235	JAO	23-JAN-2008 19:05	1720377	1201118	1.01QC A	UPLOAD BOTH USE FRONT	
1053f5301.d	120118001	JAO	23-JAN-2008 19:18	1720377	1201118	1.01PAES	UPLOAD BOTH USE FRONT	
1054f5401.d	1201501236	JAO	23-JAN-2008 19:30	1720377	1201118	1.01QC A	UPLOAD BOTH USE FRONT	
1055f5501.d	1201501237	JAO	23-JAN-2008 19:42	1720377	1201118	1.01QC A	UPLOAD BOTH USE FRONT	

Instrument Batch: /chem/ecd8a.i/012308.b

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Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
1056f5601.d	1201285001	JAO	23-JAN-2008 19:55	1720377	1201285	1.01MECP	UPLOAD BOTH USE FRONT	
1057f5701.d	1201287001	JAO	23-JAN-2008 20:07	1720377	1201287	1.01MECP	UPLOAD BOTH USE FRONT	
1058f5801.d	WAR080111-60	JAO	23-JAN-2008 20:19		1012308	1.01	PASSES BOTH COLUMNS	
1059f5901.d	WAR071227-99TB6	JAO	23-JAN-2008 20:32		1012308	1.01	CLEAN	

GEL ORGANIC RUN LOG

INSTRUMENT ID: ECD8

DATE: 01/28/2008 METHOD: ECD8-F-8082-121207.m OPERATOR: JAOC REVIEWED BY: _____
DATE: _____

HARDWARE CONFIGURATION & METHOD SUMMARY: No. 1 on pg. 1 SOLVENT LOT: CU480
ALUMINA LOT: 713164-A
MERCURY LOT: 071220-A

Calibration & QC Information
Initial Calibration Dates: See Calibration History and Standards Log
Initial Calibration Std ID's: See Calibration History and Standards Log
GEL SOP GL-OA-E-040
EPA Method: 8082 Polychlorinated Biphenyls PCBs by Gas Chromatography
Sequence Number: 012508
Injection Volume: 1.0 uL

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
001f0101.d	WAR071227-991B1	JAOC	125-JAN-2008 07:20		012508	1.01	CLEAN	
002f0201.d	WAR080111-60	JAOC	125-JAN-2008 07:32		012508	1.01	PASSES BOTH COLUMNS	
003f0301.d	WAR071205-54	JAOC	125-JAN-2008 07:45		012508	1.01	PASSES BOTH COLUMNS	
004f0401.d	WAR071105-42	JAOC	125-JAN-2008 07:57		012508	1.01	PASSES BOTH COLUMNS	
005f0501.d	WAR071220-48	JAOC	125-JAN-2008 08:09		012508	1.01	PASSES BOTH COLUMNS	
006f0601.d	WAR071205-32	JAOC	125-JAN-2008 08:22		012508	1.01	PATTERN ONLY	
007f0701.d	WAR071022-21	JAOC	125-JAN-2008 08:43		012508	1.01	PATTERN ONLY	
008f0801.d	WAR071119-62	JAOC	125-JAN-2008 08:55		012508	1.01	PATTERN ONLY	
009f0901.d	WAR071010-68	JAOC	125-JAN-2008 09:08		012508	1.01	PATTERN ONLY	
010f1001.d	WAR071227-991B2	JAOC	125-JAN-2008 09:20		012508	1.01	CLEAN	
011f1101.d	1201502582	JAOC	125-JAN-2008 09:32	1721032	201226	1.01QC A	UPLOAD BOTH, USE HIGHER	
012f1201.d	1201502583	JAOC	125-JAN-2008 09:45	1721032	201226	1.01QC A	UPLOAD BOTH, USE HIGHER	
013f1301.d	1201226002	JAOC	125-JAN-2008 09:57	1721032	201226	1.01CATL	UPLOAD BOTH, USE HIGHER	
014f1401.d	1201257001	JAOC	125-JAN-2008 10:09	1721032	201257	1.01GEEL	UPLOAD BOTH, USE HIGHER	
015f1501.d	1201259002	JAOC	125-JAN-2008 10:21	1721032	201259	5.01GEEL	UPLOAD BOTH, USE HIGHER	

Instrument Batch: /chem/ecd8a.i/012508.b

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Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
016f1601.d	1201259003	JAOC	125-JAN-2008 10:34	1721032	201259	1.01GEEL	UPLOAD BOTH, USE HIGHER	
017f1701.d	1201502584	JAOC	125-JAN-2008 10:46	1721032	201259	1.01QC A	UPLOAD BOTH, USE HIGHER	

018f1801.d	1201502585	JROC	25-JAN-2008 10:58	1721032	201259	1.0 QC A	UPLOAD BOTH, USE HIGHER
019f1901.d	WAR071227-991B3	JROC	25-JAN-2008 11:11		012508	1.0	CLEAN
020f2001.d	WAR080111-60	JROC	25-JAN-2008 11:23		012508	1.0	PASSES BOTH COLUMNS
021f2101.d	WAR071227-991B4	JROC	25-JAN-2008 11:35		012508	1.0	CLEAN
022f2201.d	1201498218	JROC	25-JAN-2008 11:47	1721029	201044	1.0 QC A	DUSE, USE FIRST EXTRACTION
023f2301.d	1201502573	JROC	25-JAN-2008 12:00	1721029	201044	1.0 QC A	DUSE, USE FIRST EXTRACTION
024f2401.d	1201502574	JROC	25-JAN-2008 12:12	1721029	201044	1.0 QC A	DUSE, USE FIRST EXTRACTION
025f2501.d	1201502577	JROC	25-JAN-2008 12:24	1721029	201044	1.0 QC A	DUSE, USE FIRST EXTRACTION
026f2601.d	201044001	JROC	25-JAN-2008 12:37	1721029	201044	1.0 GELC	DUSE, USE FIRST EXTRACTION
027f2701.d	WAR071227-991B5	JROC	25-JAN-2008 12:49		012508	1.0	CLEAN
028f2801.d	WAR080111-60	JROC	25-JAN-2008 13:01		012508	1.0	PASSES BOTH COLUMNS
029f2901.d	WAR071227-991B6	JROC	25-JAN-2008 13:13		012508	1.0	CLEAN
030f3001.d	SCREEN	JROC	25-JAN-2008 13:40		012508	1.0	SCREEN
031f3101.d	1201502861	JROC	25-JAN-2008 15:42	1721173	108-541	1.0 MB	UPLOAD BOTH, USE HIGHER
032f3201.d	1201502862	JROC	25-JAN-2008 15:54	1721173	108-541	1.0 LCS	UPLOAD BOTH, USE HIGHER
033f3301.d	1201374001	JROC	25-JAN-2008 16:06	1721173	108-541	2.0 LANL	DUSE, OVERRANGE HIT
034f3401.d	1201502863	JROC	25-JAN-2008 16:18	1721173	108-541	2.0 MS	DUSE, OVERRANGE HIT
035f3501.d	1201502864	JROC	25-JAN-2008 16:31	1721173	108-541	2.0 MSD	DUSE, OVERRANGE HIT

Instrument Batch: /chem/ecd8a.i/012508.b

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
036f3601.d	WAR071227-991B5	JROC	25-JAN-2008 16:43		012508	1.0	CLEAN	
037f3701.d	WAR080111-60	JROC	25-JAN-2008 16:56		012508	1.0	PASSES BOTH COLUMNS	
038f3801.d	WAR071227-991B6	JROC	25-JAN-2008 17:08		012508	1.0	CLEAN	
039f3901.d	1201374001	JROC	25-JAN-2008 17:20	1721173	108-541	4.0 LANL	UPLOAD BOTH, USE HIGHER	
040f4001.d	1201502863	JROC	25-JAN-2008 17:33	1721173	108-541	4.0 MS	UPLOAD BOTH, USE HIGHER	
041f4101.d	1201502864	JROC	25-JAN-2008 17:45	1721173	108-541	4.0 MSD	UPLOAD BOTH, USE HIGHER	

042f4201.d	WAR071227-99IB7	JROC	25-JAN-2008	17:57		012508		1.0		CLEAN	+		
043f4301.d	WAR080111-60	JROC	25-JAN-2008	18:09		012508		1.0		PASSES BOTH COLUMNS	+		
044f4401.d	WAR071227-99IB8	JROC	25-JAN-2008	18:22		012508		1.0		CLEAN	+		
045f4501.d	201374002	JROC	25-JAN-2008	18:34		721173		08-541		1.0 LANL		UPLOAD BOTH, USE HIGHER	+
046f4601.d	201374003	JROC	25-JAN-2008	18:47		721173		08-541		1.0 LANL		UPLOAD BOTH, USE HIGHER	+
047f4701.d	201374004	JROC	25-JAN-2008	18:59		721173		08-541		1.0 LANL		UPLOAD BOTH, USE HIGHER	+
048f4801.d	201374005	JROC	25-JAN-2008	19:11		721173		08-541		1.0 LANL		UPLOAD BOTH, USE HIGHER	+
049f4901.d	201374006	JROC	25-JAN-2008	19:23		721173		08-541		1.0 LANL		UPLOAD BOTH, USE HIGHER	+
050f5001.d	WAR071227-99IB9	JROC	25-JAN-2008	19:36		012508		1.0		CLEAN	+		
051f5101.d	WAR080111-60	JROC	25-JAN-2008	19:48		012508		1.0		PASSES BOTH COLUMNS	+		
052f5201.d	WAR071227-99IB10	JROC	25-JAN-2008	20:00		012508		1.0		CLEAN	+		

Prep Logbook **Extraction of Semivolatile and Nonvolatile Organic Compounds from Groundwater, Wastewater and Other Aqueous Samples**

Batch ID: 719131 **Verified by:** _____
Analyst: Zanthia McQueen
Method: SW846 3510C

Lab SOP: GL-OA-E-013 REV# 17
Instrument: Semi-Volatiles Manual

Sample ID	Run Date	Initial Volume (mL)	Initial pH	Int Ext pH	Clean Up	Prior to Clean up (mL)	Amount Cleaned (mL)	After Clean up (mL)	CleanFinal Volume (mL)	Prepped Factor (mL/mL)
1201498636 MB	21-JAN-2008 15:50:11	1000	7	5<x<9	H2SO4/Km1l	1	8	1	0.001	
1201498637 LCS	21-JAN-2008 15:50:11	1000	7	5<x<9	H2SO4/Km1l	1	8	1	0.001	
201062002	21-JAN-2008 15:50:11	1000	5	5<x<9	H2SO4/Km1l	1	8	1	0.001	
1201498638 MS (201062002)	21-JAN-2008 15:50:11	500	5	5<x<9	H2SO4/Km1l	1	8	0.5	0.001	
1201498639 MSD (201062002)	21-JAN-2008 15:50:11	500	5	5<x<9	H2SO4/Km1l	1	8	0.5	0.001	
201226001	21-JAN-2008 15:50:11	1050	5	5<x<9	H2SO4/Km1l	1	8	1	0.00095	
201226002	21-JAN-2008 15:50:11	1050	5	5<x<9	H2SO4/Km1l	1	8	1	0.00095	
Type	Sample Id	Description	Serial Number	Spike Amt	Units	Comments:				
LCS	1201498637	PCB Laboratory Control	WE080107-06	1	mL	All samples were emulsive Clean up Date: 1/21/08 Clean up Initials: zvm				
MS	1201498638	PCB Laboratory Control	WE080107-06	.5	mL					
MSD	1201498639	PCB Laboratory Control	WE080107-06	.5	mL					
SURR	ALL	PEST LOW LEVEL SURROGATE 200 UG/L	UE080110-04	.5	mL	Verified By: AIS Final Solvent: Hexane Clean Up SOP: GL-OA-E-037				
SURR	ALL	PEST LOW LEVEL SURROGATE 200 UG/L	UE080110-04	1	mL					
REGNT	ALL	Hexane	071214-B2	5	mL					
REGNT	ALL	Methylene Chloride	733752-D	180	mL					
REGNT	ALL	1:1 sulfuric acid	734154a	5	mL					
REGNT	ALL	5% Potassium Permanganate	B725850-F	5	mL					
SOURC	ALL	SODIUM SULFATE	653271	30	g					

Prep Logbook Extraction of Semivolatile and Nonvolatile Organic Compounds from Groundwater, Wastewater and Other Aqueous Samples

Batch ID: 721031 Verified by: _____

Analyst: Zanthia McQueen

Method: SW846 3510C

Lab SOP: GL-OA-E-013 REV# 17

Instrument: Semi-Volatiles Manual

Sample ID	Run Date	Initial Volume (mL)	Initial pH	Int Ext pH	Clean Up	Prior to Clean up (mL)	Amount Cleaned (mL)	After Clean up (mL)	Final Volume (mL)	Prepped Factor (mL/mL)
1201502582 MB	24-JAN-2008 15:45:40	1000	7	5<x<9	H2SO4/Km1	1	8	1	0.001	
1201502583 LCS	24-JAN-2008 15:45:40	1000	7	5<x<9	H2SO4/Km1	1	8	1	0.001	
201226002 -3	24-JAN-2008 15:45:40	1040	5	5<x<9	H2SO4/Km1	1	8	1	0.00096	
201257001 -2	24-JAN-2008 15:45:40	1060	6	5<x<9	H2SO4/Km1	1	8	1	0.00094	
201259002 -2	24-JAN-2008 15:45:40	1040	5	5<x<9	H2SO4/Km1	1	8	1	0.00096	
201259003 -2	24-JAN-2008 15:45:40	1000	6	5<x<9	H2SO4/Km1	1	8	1	0.001	
1201502584 -2 MS (201259003)	24-JAN-2008 15:45:40	500	6	5<x<9	H2SO4/Km1	1	8	0.5	0.001	
1201502585 -2 MSD (201259003)	24-JAN-2008 15:45:40	500	6	5<x<9	H2SO4/Km1	1	8	0.5	0.001	
Type	Sample Id	Description	Serial Number	Spike Amt	Units	Comments:				
LCS	1201502583	PCB Laboratory Control	WE080122-06	1	mL	Sample 6002 was emulsive.				
MS	1201502584	PCB Laboratory Control	WE080107-06	.5	mL	Clean up Date: 1-24-08				
MSD	1201502585	PCB Laboratory Control	WE080107-06	.5	mL	Clean up Initials: zvm				
SURR All		PEST LOW LEVEL SURROGATE 200 UG/L	UE080110-04	.5	mL	Verified By: jda				
SURR All		PEST LOW LEVEL SURROGATE 200 UG/L	UE080110-04	1	mL	Final Solvent: Hexane				
REGNT All		1:1 sulfuric acid	734154a	5	mL	Clean Up SOP: GL-OA-E-037				
REGNT All		Methylene Chloride	735211-D	180	mL					
REGNT All		Hexane	735674-B2	5	mL					
REGNT All		5% Potassium Permanganate	B725850-F	5	mL					
SOURC All		SODIUM SULFATE	653271	30	g					

COMPANY – WIDE NONCONFORMANCE REPORT			
Mo.Day Yr. 23-JAN-08	Division: Federal	Quality Criteria: Specifications	Type: Process
Instrument Type: GC/ECD	Test / Method: SW846 8082	Matrix Type: Liquid	Client Code: CATL, RPBL
Batch ID: 719135	Sample Numbers: See Below		
Potentially affected work order(s)(SDG): 201062,201226			
Application Issues: Failed Yield for Surrogates			
Specification and Requirements Nonconformance Description:		NRG Disposition:	
1. Failed Yield for Surrogates: 201226002		1. Sample 201226002 was sent back for re-extraction. Both sets of data will be reported.	

Originator's Name:
Jennifer Criscione 23-JAN-08

Data Validator/Group Leader:
Jared Wagner 28-JAN-08

Quality Review:

Director:

COMPANY – WIDE NONCONFORMANCE REPORT			
Mo.Day Yr. 29-JAN-08	Division: Federal	Quality Criteria: Specifications	Type: Process
Instrument Type: GC/ECD	Test / Method: SW846 8082	Matrix Type: Liquid	Client Code: CATL, RPBL
Batch ID: 721032	Sample Numbers: See Below		
Potentially affected work order(s)(SDG): 201226,201257,201259 Application Issues: Other Failed Yield for Surrogates			
Specification and Requirements		NRG Disposition:	
Nonconformance Description: 1. The following samples did not meet surrogate recovery acceptance criteria: 201257 001 201259 002,003 2. the QC sample 1201502582(MB) was contaminated with low level (below the PQL) of Aroclor-1242.		1. The samples in this batch were re-extracted samples. Samples 201257001 and 201259003 failed surrogate recovery in both extraction and analysis; therefore the failure is attributed to sample matrix interference. The data were reported. Sample 201259002 fails surrogate due to dilution and/or sample matrix interference. The data were reported. 2. The samples in this batch either did not contain Aroclors above the PQL or contained Aroclors at concentration more than ten times higher than the concentration in the Method Blank. The data were reported.	

Originator's Name:
Jennifer Criscione 29-JAN-08

Data Validator/Group Leader:
Jimin Cao 29-JAN-08

Quality Review:

Director:

HERBICIDE ANALYSIS

Herbicide Case Narrative
IR Site 13 - Catlin Engineers and Scientists (CATL)
SDG 201226

Method/Analysis Information

Procedure: Analysis of Chlorophenoxy Acid Herbicides by ECD
Analytical Method: SW846 8151A
Prep Method: SW846 8151A
Analytical Batch Number: 719511
Prep Batch Number: 719510

Sample Analysis

The following samples were analyzed using the analytical protocol as established in SW846 8151A:

Sample ID	Client ID
201226001	IR13-SB02
201226002	IR13-SB03
1201499565	Method Blank (MB)
1201499566	Laboratory Control Sample (LCS)
1201499574	Laboratory Control Sample Duplicate (LCSD)

The samples in this SDG were analyzed on an "as received" basis.

Preparation/Analytical Method Verification

SOP Reference

Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-OA-E-011 REV# 16.

Raw data reports are processed and reviewed by the analyst using the Target software package. False positives have been removed from the Target quantitation reports per standard operating procedures (SOP) section 21.7.

Calibration Information

Initial Calibration

All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification (CCV) Requirements

All associated calibration verification standard(s) (ICV or CCV) met the acceptance criteria.

The linear equation used in Target and indicated on the initial calibration summary form is not a conventional linear equation (slope intercept formula) and does not match the equation found in SW-846 method 8000B. The x and y axes are inversed in Target, so that the instrument response is treated as the independent variable (x) and the

concentration ratio is treated as the dependent variable (y). The equation used in Target to calculate sample results is adjusted to account for the linear equation inversion and reciprocal slope. The adjusted calculation has been independently verified to produce valid results.

Quality Control (QC) Information

Method Blank (MB) Statement

The MB analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries

Sample 201226002 (IR13-SB03) did not meet the surrogate recovery acceptance criteria; however the sample could not be re-extracted due to limited sample volume. See NCR #518652 located in the Miscellaneous Section.

Laboratory Control Sample (LCS) Recovery

The LCS spike recoveries met the acceptance limits.

Laboratory Control Sample Duplicate (LCSD) Recovery

The LCSD spike recoveries met the acceptance limits.

LCS/LCSD Relative Percent Difference (RPD) Statement

The RPD between the LCS and LCSD met the acceptance limits.

QC Sample Designation

The MS/MSD analysis was not performed for this batch. The LCS/LCSD analysis was performed to measure the precision and accuracy for the batch.

Technical Information

Holding Time Specifications

GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection of sample receipt. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Preparation/Analytical Method Verification

All procedures were performed as stated in the SOP.

Sample Dilutions

The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis

Re-extractions or re-analyses were not performed in this SDG.

Miscellaneous Information

Electronic Package Comment

This data package was generated using an electronic data processing program referred to as virtual packaging. In an effort to increase quality and efficiency, the laboratory has developed systems to generate all data packages electronically. The following change from traditional packages should be noted:

Analyst/peer reviewer initials and dates are not present on the electronic data files. Presently, all initials and dates are present on the original raw data. These hard copies are temporarily stored in the laboratory. An electronic signature page inserted after the case narrative of each electronic package will indicate the analyst, reviewer, and report specialist names associated with the generation of the data and package. The data validator will always sign and date the case narrative. Data that are not generated electronically, such as hand written pages, will be scanned and inserted into the electronic package.

Nonconformance Report (NCR) Documentation

Nonconformance Report (NCR) is for documentation of any procedural anomalies that may deviate from referenced SOP or contractual document. NCR # 518652 was generated for this SDG. A copy is included in the Miscellaneous Data section of this package.

Manual Integration

Certain standards and QC samples may have required manual integration to correctly position the baseline as set in the calibration standard injections. If manual integration was performed, copies of all manual integration peak profiles are included in the raw data section of this Herbicide fraction.

Additional Comments

The additional comments field is used to address special issues associated with each analysis, clarify method/contractual issues pertaining to the analysis, and to list any report documents generated as a result of sample analysis or review. The following additional comments were required:

The higher results from either column have been chosen and reported in the data package for the client samples, MB and LCS. The data reported for the MS/MSD are from the same analytical column as the parent sample.

The data reported on the form I and III may differ slightly from the data reported on the form X. This is due to software limitations in rounding differences between the forms.

Due to software limitation, the Form VIIs will display the results either in the % difference or % drift depending on the type of the calibration curve. If the curve of all analytes is generated using an average response factor (RF), the Form VII will display results using the %difference calculation (RF). If the curve of one or more analytes is generated using a linear curve, the Form VII will display results using the % drift calculation (by concentration) for all analytes.

System Configuration

The Semi-Volatiles-HERB analysis was performed on a HP Gas Chromatograph.

Instrument ID	System Configuration	Column ID	Column Description
ECD6A.I_1	HP6890 Series GC/ECD	J&W5	DB-XLB* 30m x 0.25mm x 0.25um
ECD6A.I_2	HP6890 Series GC/ECD	J&W5	DB-17MS(50%-Phenyl)-methylsiloxane 30m x 0.25mm x 0.25um

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation

GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.

The following data validator verified the information presented in this case narrative:

Reviewer: Jimmy Cao

Date: 2/5/08

Roadmap for CATL 201226 HERB

This roadmap was analyzed by Amy Carroll on 02-04-2008, 12:29.

This roadmap was reviewed by Jimin Cao on 02-04-2008, 13:33.

This roadmap was packaged by Yvette Lampkin on 02-05-2008, 13:26.

This roadmap was validated by Jimin Cao on 02-05-2008, 15:15.

Front Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	chemid	dilution	prebatchid	comment
☐	N	/chem/ccdf6a.i/012108.b/008f0801.d	201226001	sample	21-JAN-2008	16:37	201226.sub	IR13-SB02	1.00000	719511	USE. Uploaded both columns, reporting higher result.
☐	N	/chem/ccdf6a.i/012108.b/009f0901.d	201226002	sample	21-JAN-2008	17:04	201226.sub	IR13-SB03	1.00000	719511	USE. Uploaded both columns, reporting higher result.

Back Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	chemid	dilution	prebatchid	comment
☐	N	/chem/ccdf6a.i/012108.b/008f0801.d	201226001	sample	21-JAN-2008	16:37	201226.sub	IR13-SB02	1.00000	719511	USE. Uploaded both columns, reporting higher result.
☐	N	/chem/ccdf6a.i/012108.b/009f0901.d	201226002	sample	21-JAN-2008	17:04	201226.sub	IR13-SB03	1.00000	719511	USE. Uploaded both columns, reporting higher result.

Front QC Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	chemid	dilution	prebatchid	comment
☐	N	/chem/ccdf6a.i/012108.b/005f0501.d	1201499565	mh	21-JAN-2008	15:16	201226.sub	HBLK01	1.00000	719511	USE. Uploaded both columns, reporting higher result.
☐	N	/chem/ccdf6a.i/012108.b/006f0601.d	1201499566	lcs	21-JAN-2008	15:43	201226.sub	HBLK01LCS	1.00000	719511	USE. Uploaded both columns, reporting higher result.
☐	N	/chem/ccdf6a.i/012108.b/007f0701.d	1201499574	lcad	21-JAN-2008	16:10	201226.sub	HBLK01LCSD	1.00000	719511	USE. Uploaded both columns, reporting higher result.

Back QC Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	chemid	dilution	prebatchid	comment
☐	N	/chem/ccdf6a.i/012108.b/005f0501.d	1201499565	mh	21-JAN-2008	15:16	201226.sub	HBLK01	1.00000	719511	USE. Uploaded both columns, reporting higher result.
☐	N	/chem/ccdf6a.i/012108.b/006f0601.d	1201499566	lcs	21-JAN-2008	15:43	201226.sub	HBLK01LCS	1.00000	719511	USE. Uploaded both columns, reporting higher result.
☐	N	/chem/ccdf6a.i/012108.b/007f0701.d	1201499574	lcad	21-JAN-2008	16:10	201226.sub	HBLK01LCSD	1.00000	719511	USE. Uploaded both columns, reporting higher result.

SAMPLE DATA SUMMARY

**Herbicide
Certificate of Analysis
Sample Summary**

SDG Number: 201226
Lab Sample ID: 201226001

Date Collected: 01/14/2008 14:00
Date Received: 01/18/2008 09:15

Matrix: GROUND WATER

Client ID: IR13-SB02
Batch ID: 719511
Run Date: 01/21/2008 16:37
Prep Date: 01/18/2008 17:02
Data File: 008f0801.d
008b0801.d

Client: CATL002
Method: SW846 8151A
Inst: ECD6A.I
Analyst: AMY
Aliquot: 1060 mL
Column: 1 DB-XLB
2 DB-17MS

Project: CATL00107
SOP Ref: GL-OA-E-011
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 10 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
94-75-7	2,4-D	U	0.236	ug/L	0.0783	0.236	1
93-72-1	2,4,5-TP	U	0.236	ug/L	0.0783	0.236	1
93-76-5	2,4,5-T	U	0.236	ug/L	0.0783	0.236	1

**Herbicide
Certificate of Analysis
Sample Summary**

SDG Number: 201226
Lab Sample ID: 201226002

Date Collected: 01/14/2008 15:00
Date Received: 01/18/2008 09:15

Matrix: GROUND WATER

Client ID: IR13-SB03
Batch ID: 719511
Run Date: 01/21/2008 17:04
Prep Date: 01/18/2008 17:02
Data File: 009f0901.d
009b0901.d

Client: CATL002
Method: SW846 8151A
Inst: ECD6A.I
Analyst: AMY
Aliquot: 1060 mL
Column: 1 DB-XLB
2 DB-17MS

Project: CATL00107
SOP Ref: GL-OA-E-011
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 10 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
94-75-7	2,4-D	U	0.236	ug/L	0.0783	0.236	1
93-72-1	2,4,5-TP	U	0.236	ug/L	0.0783	0.236	1
93-76-5	2,4,5-T	U	0.236	ug/L	0.0783	0.236	1

QUALITY CONTROL SUMMARY

Herbicide
Surrogate Recovery Report

Page 1 of 1

SDG Number: 201226

Matrix Type: LIQUID

CAP Column (1) : DB-XLB

CAP Column (2) : DB-17MS

Sample ID	Client ID	DCAA 1 %REC #	DCAA 2 %REC #
1201499565	MB for batch 719510	83	84
1201499566	LCS for batch 719510	89	85
1201499574	LCSD for batch 719510	86	82
201226001	IR13-SB02	80	70
201226002	IR13-SB03	21 *	18 *

Surrogate**Acceptance Limits**

DCAA = 2,4-Dichlorophenylacetic acid

(66%–131%)

* Recovery outside Acceptance Limits

Column to be used to flag recovery values

D Sample Diluted

Herbicide
Quality Control Summary
Spike Recovery Report

Page 1 of 2

SDG Number:	201226	Sample Type:	Laboratory Control Sample
Client ID:	LCS for batch 719510	Matrix:	GROUND WATER
Lab Sample ID:	1201499566		
Instrument:	ECD6A.I	Analysis Date:	01/21/2008 15:43
Analyst:	AMY	Prep Batch ID:	719510
Inj. Vol:	1 uL	Batch ID:	719511
		Dilution:	1

CAS No	Parmname	Amount Added ug/L	Sample Conc. ug/L	Spike Conc. ug/L	Recovery %	Acceptance Limits
94-75-7	LCS 2,4-D	2.00	0.0	1.73	86	68-130
93-72-1	LCS 2,4,5-TP	2.00	0.0	1.64	82	69-126
93-76-5	LCS 2,4,5-T	2.00	0.0	1.86	93	64-133

Herbicide

Quality Control Summary
Spike Recovery Report

SDG Number:	201226	Sample Type:	Laboratory Control Sample Duplicate
Client ID:	LCSD for batch 719510	Matrix:	GROUND WATER
Lab Sample ID:	1201499574		
Instrument:	ECD6A.I	Analysis Date:	01/21/2008 16:10
Analyst:	AMY	Prep Batch ID:	719510
Inj. Vol:	1 uL	Batch ID:	719511
		Dilution:	1

CAS No	Parmname	Amount Added ug/L	Sample Conc. ug/L	Spike Conc. ug/L	Recovery %	Acceptance Limits	Acceptance RPD %	Acceptance Limits
94-75-7	LCSD 2,4-D	2.00	0.0	1.82	91	68-130	5	0-21
93-72-1	LCSD 2,4,5-TP	2.00	0.0	1.73	87	69-126	5	0-20
93-76-5	LCSD 2,4,5-T	2.00	0.0	1.88	94	64-133	1	0-25

Method Blank Summary

Page 1 of 1

SDG Number:	201226	Client:	CATL002	Matrix:	GROUND WATER
Client ID:	MB for batch 719510	Instrument ID:	ECD6A.I_2	Data File:	005b0501.d
Lab Sample ID:	1201499565		ECD6A.I_1		005f0501.d
Column:	DB-17MS	Prep Date:	01/18/2008 17:02	Analyzed:	01/21/08 15:16
	DB-XLB	Level:	LOW		

This method blank applies to the following samples and quality control samples:

Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01 LCS for batch 719510	1201499566	006f0601.d 006b0601.d	01/21/08	1543
02 LCSD for batch 719510	1201499574	007f0701.d 007b0701.d	01/21/08	1610
03 IR13-SB02	201226001	008f0801.d 008b0801.d	01/21/08	1637
04 IR13-SB03	201226002	009f0901.d 009b0901.d	01/21/08	1704

SAMPLE DATA

**Herbicide
Certificate of Analysis
Sample Summary**

SDG Number:	201226	Date Collected:	01/14/2008 14:00	Matrix:	GROUND WATER
Lab Sample ID:	201226001	Date Received:	01/18/2008 09:15		
Client ID:	IR13-SB02	Client:	CATL002	Project:	CATL00107
Batch ID:	719511	Method:	SW846 8151A	SOP Ref:	GL-OA-E-011
Run Date:	01/21/2008 16:37	Inst:	ECD6A.I	Dilution:	1
Prep Date:	01/18/2008 17:02	Analyst:	AMY	Inj. Vol:	1 uL
Data File:	008f0801.d	Aliquot:	1060 mL	Final Volume:	10 mL
	008b0801.d	Column:	1 DB-XLB	Level:	LOW
			2 DB-17MS		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
94-75-7	2,4-D	U	0.236	ug/L	0.0783	0.236	1
93-72-1	2,4,5-TP	U	0.236	ug/L	0.0783	0.236	1
93-76-5	2,4,5-T	U	0.236	ug/L	0.0783	0.236	1

Data File: /chem/ecd6a.i/012108.b/008f0801.d
Report Date: 04-Feb-2008 11:36

Page 1

GEL Laboratories LLC

Column: DB-XLB 0.25mm x 30 m Inj Vol: 2 ul
Data file : /chem/ecd6a.i/012108.b/008f0801.d
Lab Smp Id: 201226001 Client Smp ID: IR13-SB02
Inj Date : 21-JAN-2008 16:37
Operator : AMY Inst ID: ecd6a.i
Smp Info : |201226001|1|
Misc Info : |ECD51H_1LF|719511|SVHF|CATL|GROUND WATER|IR13-SB02|||
Comment : 50 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/012108.b/ECD6-F-51A-010708.m
Meth Date : 04-Feb-2008 11:28 amy01291 Quant Type: ESTD
Cal Date : 07-JAN-2008 16:54 Cal File: 006f0601.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1060.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

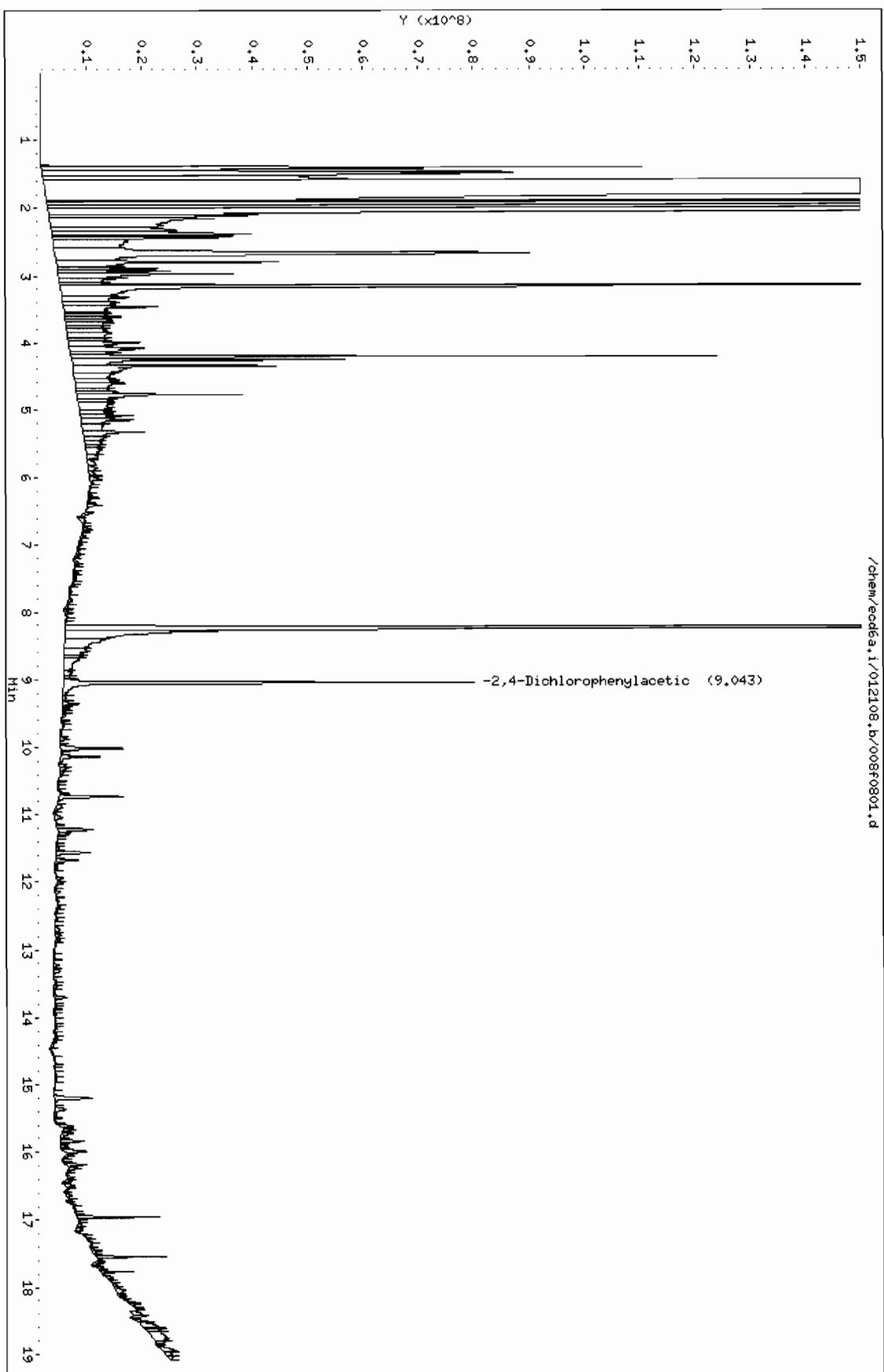
Cpnd Variable Local Compound Variable

CONCENTRATIONS				
			ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)
==	=====	=====	=====	=====
\$ 2	2,4-Dichlorophenylacetic acid			CAS #: 19719-28-9
9.043	9.032	0.011	125653622 400.936	3.8

Data File: /chem/ecd6a.i/012108.b/008f0801.d
Date : 21-JAN-2008 16:37
Client ID: IR13-SB02
Sample Info: 1201226001111
Volume Injected (uL): 1.0
Column phase: DB-XLB

Instrument: ecd6a.i
Operator: ghy
Column diameter: 0.25

Page 1



Data File: /chem/ecd6a.i/012108.b/008b0801.d
Report Date: 04-Feb-2008 11:36

Page 1

GEL Laboratories LLC

Column: DB-17MS 0.25mm x 30 m Inj Vol: 2ul
Data file : /chem/ecd6a.i/012108.b/008b0801.d
Lab Smp Id: 201226001 Client Smp ID: IR13-SB02
Inj Date : 21-JAN-2008 16:37
Operator : AMY Inst ID: ecd6a.i
Smp Info : |201226001|1|
Misc Info : |ECD51H_1LF|719511|SVHF|CATL|GROUND WATER|IR13-SB02|||
Comment : 60 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/012108.b/ECD6-B-51A-010708.m
Meth Date : 04-Feb-2008 11:26 amy01291 Quant Type: ESTD
Cal Date : 07-JAN-2008 16:01 Cal File: 004b0401.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * \text{Vt} / (\text{Vo} * \text{Vi}) * \text{CpndVariable}$

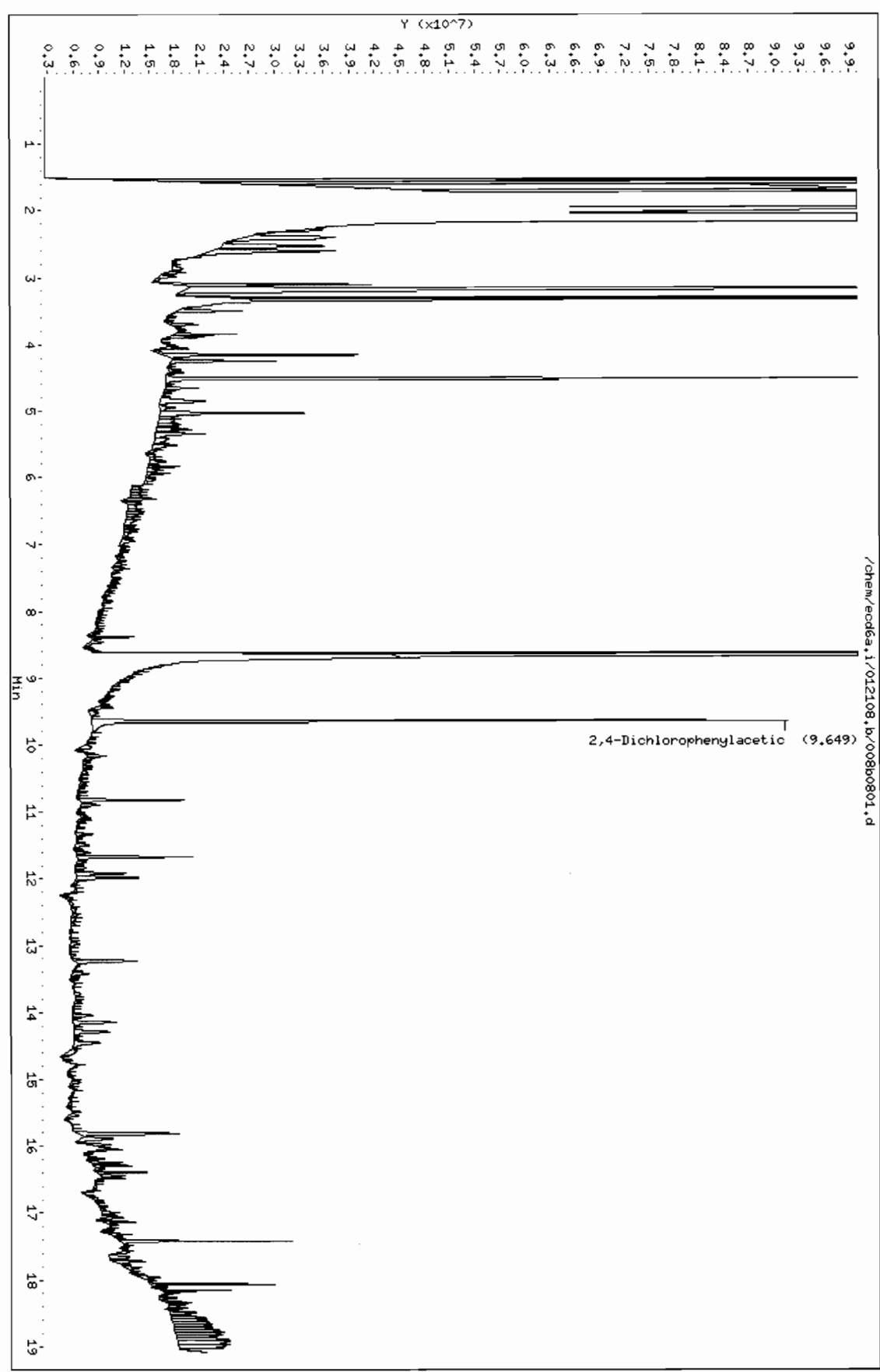
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1060.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
\$ 2	2,4-Dichlorophenylacetic acid		CAS #: 19719-28-9		
9.649	9.641	0.008	133159912	351.083	3.3

Data File: /chem/ecd6a.i/012108.b/008b0801.d
Date : 21-JAN-2008 16:37
Client ID: IR13-S802
Sample Info: 120122600111
Volume Injected (uL): 1.0
Column phase: DB-17HS

Instrument: ecd6a.1
Operator: AMY
Column diameter: 0.25



**Herbicide
Certificate of Analysis
Sample Summary**

SDG Number: 201226
Lab Sample ID: 201226002

Date Collected: 01/14/2008 15:00
Date Received: 01/18/2008 09:15

Matrix: GROUND WATER

Client ID: IR13-SB03
Batch ID: 719511
Run Date: 01/21/2008 17:04
Prep Date: 01/18/2008 17:02
Data File: 009f0901.d
009b0901.d

Client: CATL002
Method: SW846 8151A
Inst: ECD6A.I
Analyst: AMY
Aliquot: 1060 mL
Column: 1 DB-XLB
2 DB-17MS

Project: CATL00107
SOP Ref: GL-OA-E-011
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 10 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
94-75-7	2,4-D	U	0.236	ug/L	0.0783	0.236	1
93-72-1	2,4,5-TP	U	0.236	ug/L	0.0783	0.236	1
93-76-5	2,4,5-T	U	0.236	ug/L	0.0783	0.236	1

Data File: /chem/ecd6a.i/012108.b/009f0901.d
Report Date: 04-Feb-2008 11:52

Page 1

GEL Laboratories LLC

Column: DB-XLB 0.25mm x 30 m Inj Vol: 2 ul
Data file : /chem/ecd6a.i/012108.b/009f0901.d
Lab Smp Id: 201226002 Client Smp ID: IR13-SB03
Inj Date : 21-JAN-2008 17:04
Operator : AMY Inst ID: ecd6a.i
Smp Info : |201226002|1|
Misc Info : |ECD51H_1LF|719511|SVHF|CATL|GROUND WATER|IR13-SB03|||
Comment : 50 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/012108.b/ECD6-F-51A-010708.m
Meth Date : 04-Feb-2008 11:28 amy01291 Quant Type: ESTD
Cal Date : 07-JAN-2008 16:54 Cal File: 006f0601.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1060.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
\$ 2	2,4-Dichlorophenylacetic acid		CAS #: 19719-28-9		
9.050	9.032	0.018	33514983 106.940	1.0	(RM)

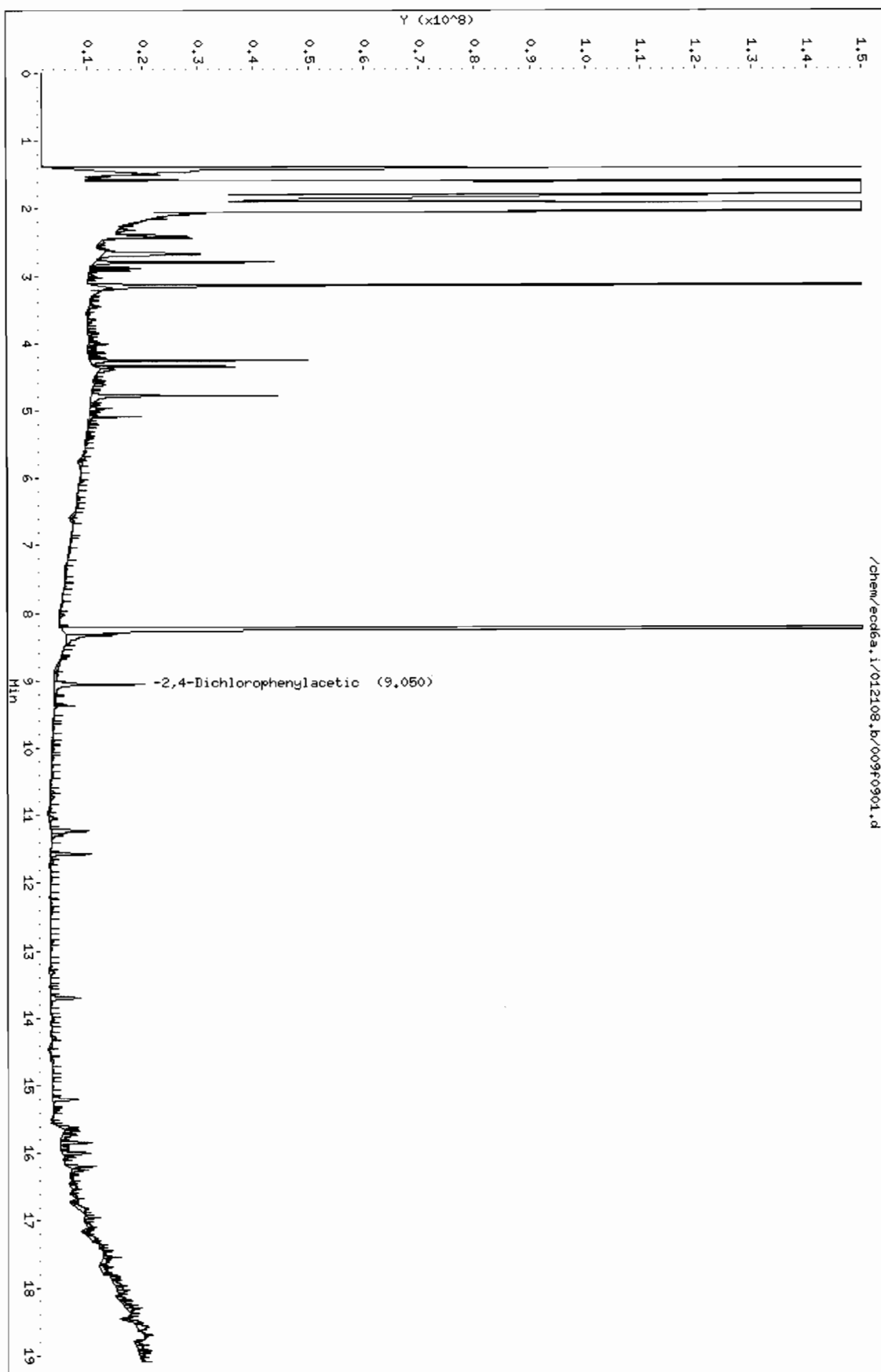
QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: /chem/ecda.i/012108.b/009f0901.d
Date : 21-JAN-2008 17:04
Client ID: IR13-SB03
Sample Info: 120122600211
Volume Injected (uL): 1.0
Column phase: DB-XLB

Instrument: ecda.i
Operator: AMY
Column diameter: 0.25

Page 1



Comment: Manually Integrated

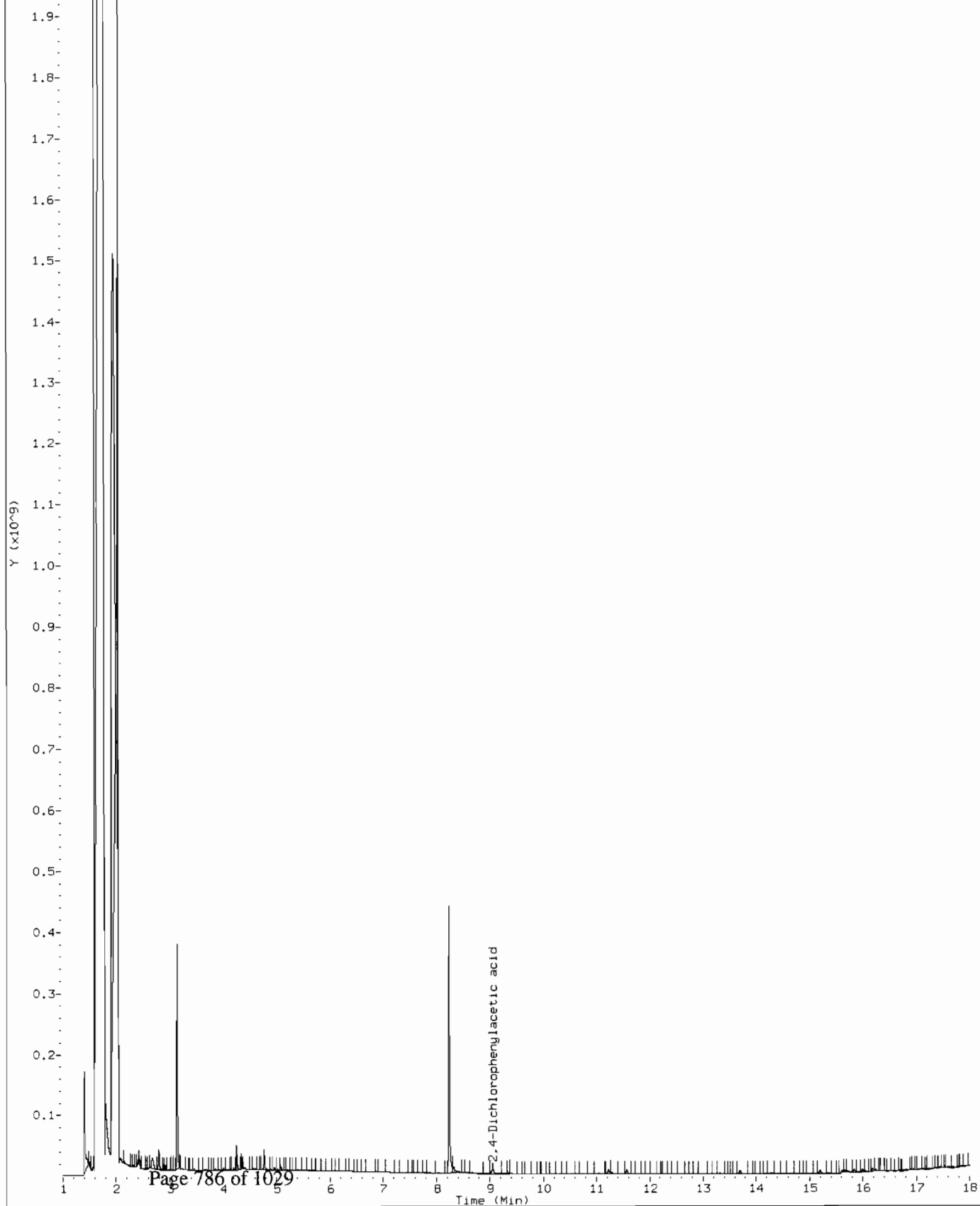
Data File: /chem/ecd6a.i/012108.b/009f0901.d

Operator: AMY

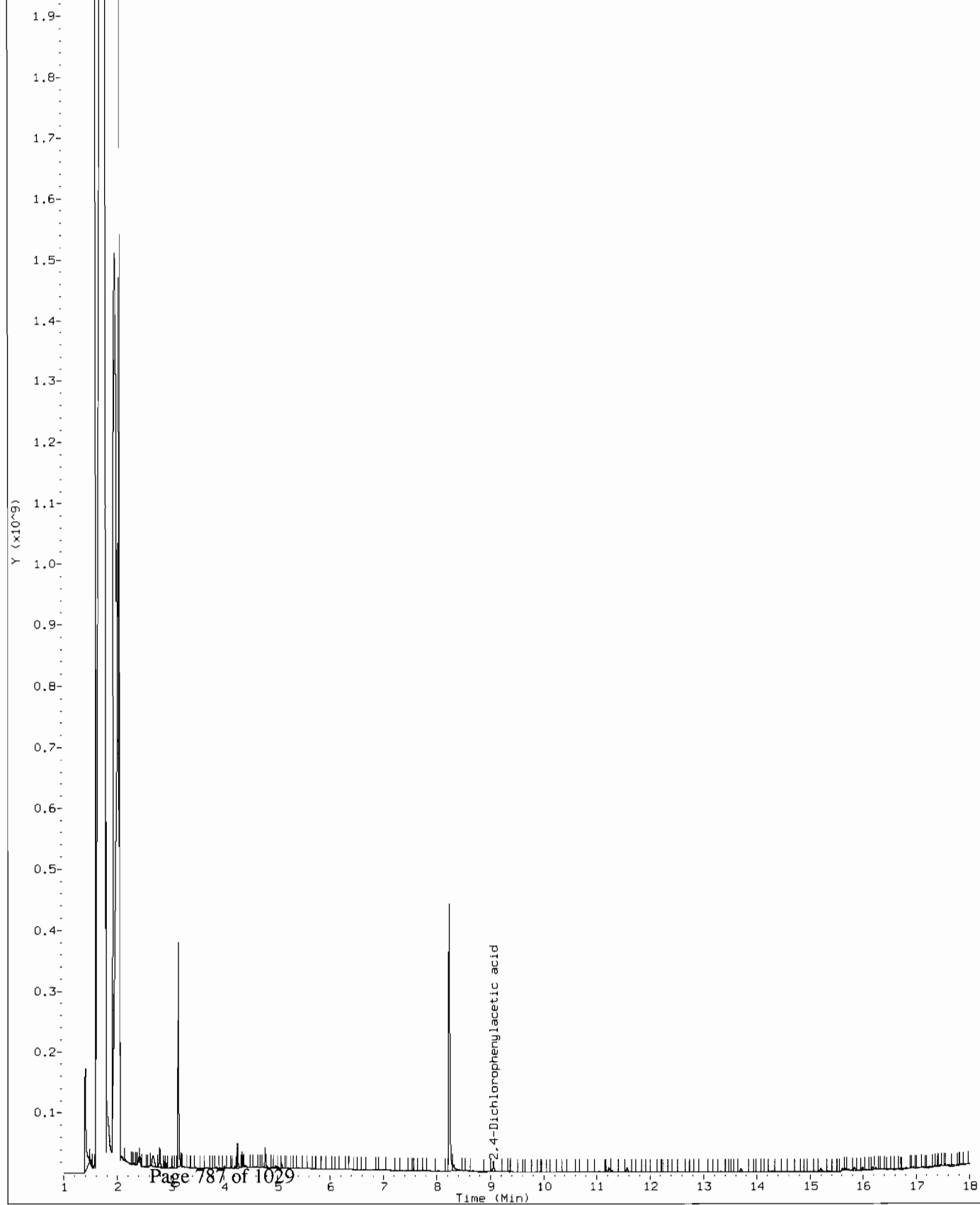
Injection Date: 21-JAN-2008 17:04

Instrument: ecd6a.i

Client Sample ID: IR13-SB03



Comment: Before manual integration
Data File: /chem/ecd6a.i/012108.b/orig-009f0901.d
Operator: AMY
Injection Date: 21-JAN-2008 17:04
Instrument: ecd6a.i
Client Sample ID: IR13-SB03



Data File: /chem/ecd6a.i/012108.b/009b0901.d
Report Date: 04-Feb-2008 11:49

Page 1

GEL Laboratories LLC

Column: DB-17MS 0.25mm x 30 m Inj Vol: 2ul
Data file : /chem/ecd6a.i/012108.b/009b0901.d
Lab Smp Id: 201226002 Client Smp ID: IR13-SB03
Inj Date : 21-JAN-2008 17:04
Operator : AMY Inst ID: ecd6a.i
Smp Info : |201226002|1|
Misc Info : |ECD51H_1LF|719511|SVHF|CATL|GROUND WATER|IR13-SB03|||
Comment : 60 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/012108.b/ECD6-B-51A-010708.m
Meth Date : 04-Feb-2008 11:26 amy01291 Quant Type: ESTD
Cal Date : 07-JAN-2008 16:01 Cal File: 004b0401.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1060.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
\$ 2	2,4-Dichlorophenylacetic acid		CAS #: 19719-28-9		
9.653	9.641	0.012	34584388 91.1835	0.86	(RM)

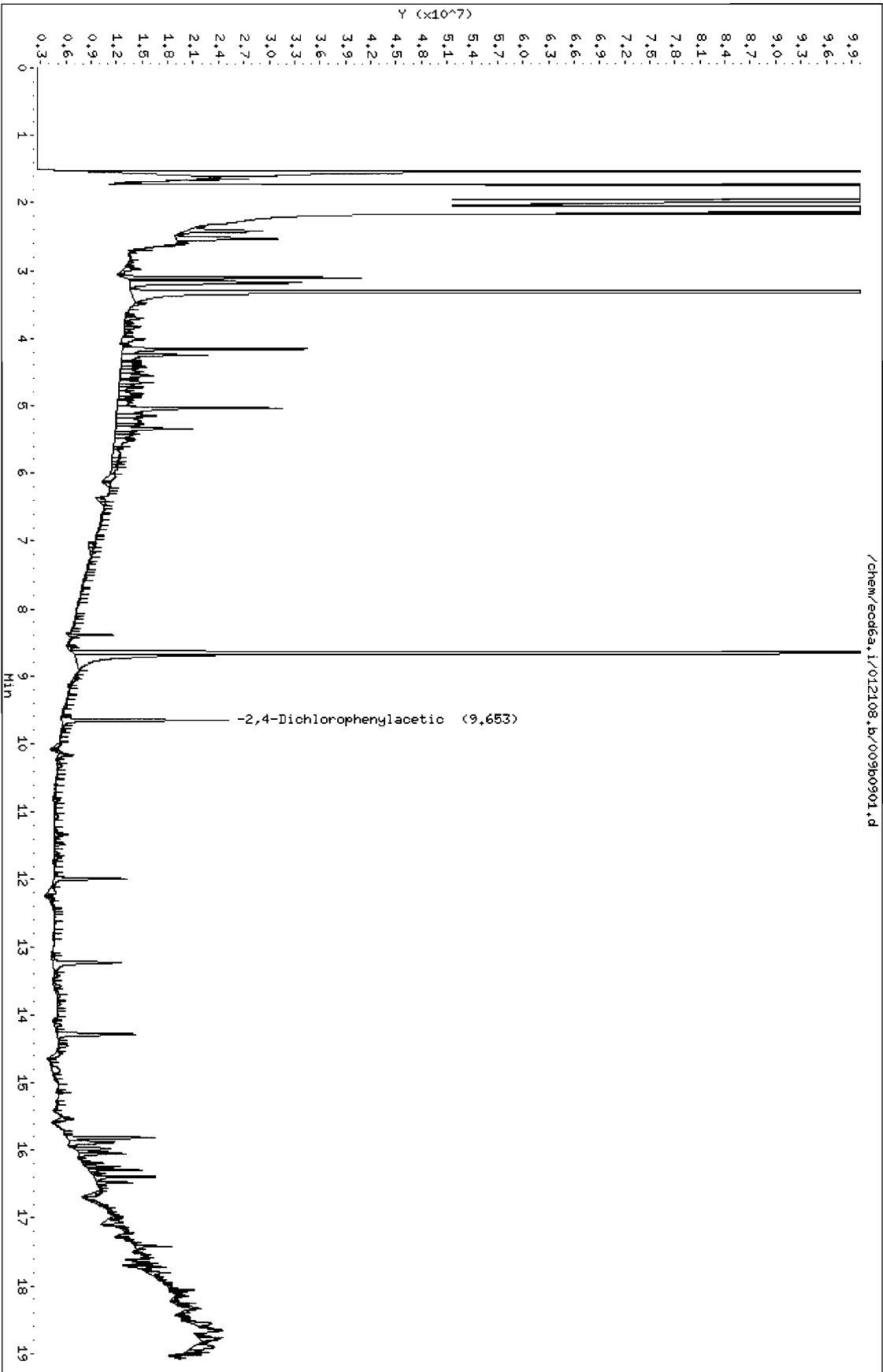
QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

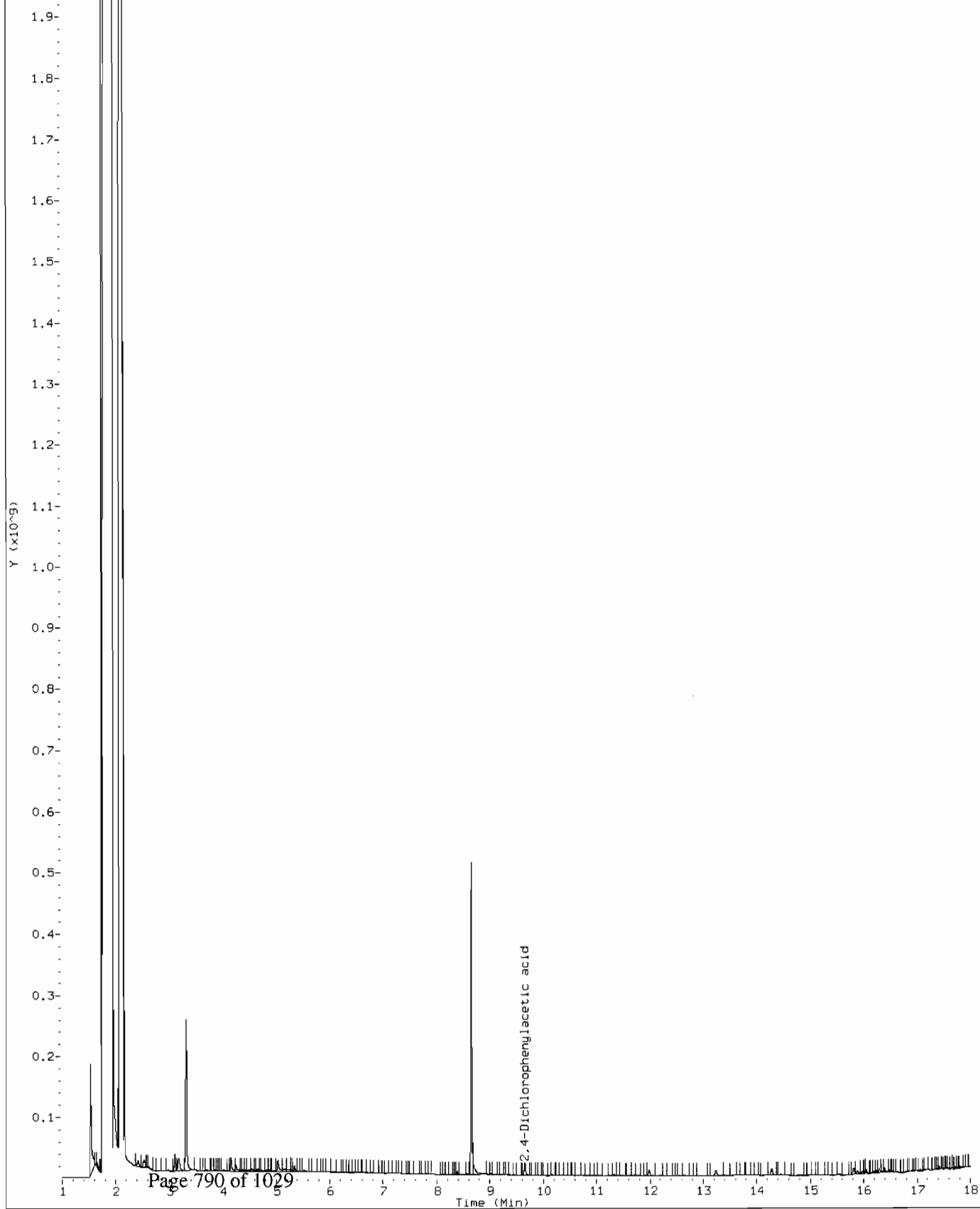
Data File: /chem/ecda.i/012108.b/009b0901.d
Date : 21-JAN-2008 17:04
Client ID: IR13-SB03
Sample Info: 12012600211
Volume Injected (uL): 1.0
Column phase: DB-17MS

Instrument: ecda.i
Operator: AHY
Column diameter: 0.25

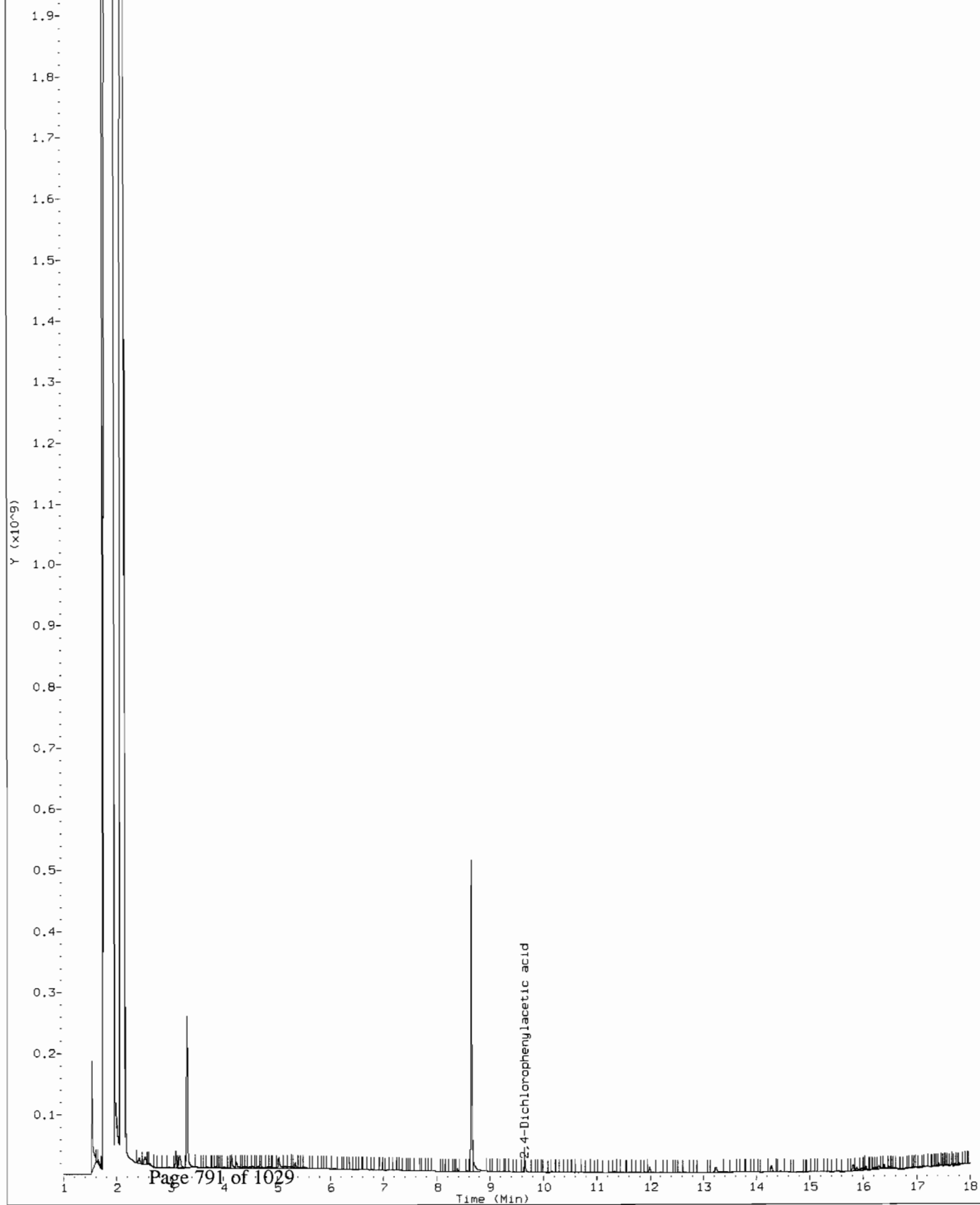
Page 1



Comment: Manually Integrated
Data File: /chem/ecd6a.i/012108.b/009b0901.d
Operator: AMY
Injection Date: 21-JAN-2008 17:04
Instrument: ecd6a.i
Client Sample ID: IR13-SB03



Comment: Before manual integration
Data File: /chem/ecd6a.i/012108.b/orig-009b0901.d
Operator: AMY
Injection Date: 21-JAN-2008 17:04
Instrument: ecd6a.i
Client Sample ID: IR13-SB03



STANDARDS DATA

Report Date: 04-Feb-2008 11:32

Calibration History

Method : /chem/ecd6a.i/012108.b/ECD6-F-51A-010708.m
Start Cal Date: 07-JAN-2008 16:01
End Cal Date : 07-JAN-2008 18:40

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 25.00000		
07-JAN-2008 16:01	all	/chem/ecd6a.i/010708.b/004f0401.d
Cal Level: 2 , Cal Amount: 50.00000		
07-JAN-2008 16:27	all	/chem/ecd6a.i/010708.b/005f0501.d
Cal Level: 3 , Cal Amount: 100.00000		
07-JAN-2008 16:54	all	/chem/ecd6a.i/010708.b/006f0601.d
Cal Level: 4 , Cal Amount: 150.00000		
07-JAN-2008 17:20	all	/chem/ecd6a.i/010708.b/007f0701.d
Cal Level: 5 , Cal Amount: 200.00000		
07-JAN-2008 17:47	all	/chem/ecd6a.i/010708.b/008f0801.d
Cal Level: 6 , Cal Amount: 300.00000		
07-JAN-2008 18:13	all	/chem/ecd6a.i/010708.b/009f0901.d
Cal Level: 7 , Cal Amount: 400.00000		
07-JAN-2008 18:40	all	/chem/ecd6a.i/010708.b/010f1001.d

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 200		
21-JAN-2008 17:31	all	/chem/ecd6a.i/012108.b/010f1001.d
Ccal Level: 5 , Ccal Amount: 200		
21-JAN-2008 13:41	all	/chem/ecd6a.i/012108.b/003f0301.d

Report Date: 04-Feb-2008 11:31

Calibration History

Method : /chem/ecd6a.i/012108.b/ECD6-B-51A-010708.m
Start Cal Date: 07-JAN-2008 16:01
End Cal Date : 07-JAN-2008 18:40

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 25.00000		
07-JAN-2008 16:01	all	/chem/ecd6a.i/010708.b/004b0401.d
Cal Level: 2 , Cal Amount: 50.00000		
07-JAN-2008 16:27	all	/chem/ecd6a.i/010708.b/005b0501.d
Cal Level: 3 , Cal Amount: 100.00000		
07-JAN-2008 16:54	all	/chem/ecd6a.i/010708.b/006b0601.d
Cal Level: 4 , Cal Amount: 150.00000		
07-JAN-2008 17:20	all	/chem/ecd6a.i/010708.b/007b0701.d
Cal Level: 5 , Cal Amount: 200.00000		
07-JAN-2008 17:47	all	/chem/ecd6a.i/010708.b/008b0801.d
Cal Level: 6 , Cal Amount: 300.00000		
07-JAN-2008 18:13	all	/chem/ecd6a.i/010708.b/009b0901.d
Cal Level: 7 , Cal Amount: 400.00000		
07-JAN-2008 18:40	all	/chem/ecd6a.i/010708.b/010b1001.d

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 200		
21-JAN-2008 17:31	all	/chem/ecd6a.i/012108.b/010b1001.d
Ccal Level: 5 , Ccal Amount: 200		
21-JAN-2008 13:41	all	/chem/ecd6a.i/012108.b/003b0301.d

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COMPOUND LISTING

Method file : /chem/ecd6a.i/012108.b/ECD6-F-51A-010708.m
Quant Method : ESTD Target Version : 3.50
Last Update : 04-Feb-2008 11:28 Number of Cpnds : 11
Data Type : GC DATA

Global Integrator : Falcon

Chromat Events Values

Initial:Start Threshold 14713.000000
Initial:End Threshold 7356.500000
Initial:Area Threshold 147130.000000
Initial:P-P Resolution 1.000000
Initial:Bunch Factor 10.000000
Initial:Negative Peaks OFF
Initial:Tension 0.000000

Compound	RT	RT Window	RF
1 Dalapon	3.614	3.584-3.644	2.611e+05
\$ 2 2,4-Dichlorophenylacetic a	9.032	8.972-9.092	3.134e+05
3 Dicamba	9.122	9.062-9.182	1.018e+06
4 MCPP	9.373	9.313-9.433	1.288e+03
5 MCPA	9.657	9.597-9.717	1.884e+03
6 Dichlorprop	10.111	10.051-10.171	3.119e+05
7 2,4-D	10.480	10.420-10.540	3.391e+05
8 2,4,5-TP	11.792	11.762-11.822	1.363e+06
9 2,4,5-T	12.330	12.290-12.370	1.206e+06
10 2,4-DB	13.203	13.163-13.243	2.193e+05
11 Dinoseb	13.395	13.365-13.425	8.792e+05

GEL Laboratories LLC

COMPOUND LISTING

Method file : /chem/ecd6a.i/012108.b/ECD6-B-51A-010708.m
Quant Method : ESTD Target Version : 3.50
Last Update : 04-Feb-2008 11:26 Number of Cpnds : 11
Data Type : GC DATA

Global Integrator : Falcon

Chromat Events Values

Initial:Start Threshold 9328.000000
Initial:End Threshold 4664.000000
Initial:Area Threshold 93280.000000
Initial:P-P Resolution 1.000000
Initial:Bunch Factor 6.000000
Initial:Negative Peaks OFF
Initial:Tension 0.000000

Compound	RT	RT Window	RF
1 Dalapon	3.891	3.861-3.921	3.195e+05
\$ 2 2,4-Dichlorophenylacetic a	9.641	9.581-9.701	3.793e+05
3 MCPP	9.857	9.797-9.917	1.464e+03
4 Dicamba	9.908	9.848-9.968	1.124e+06
5 MCPA	10.382	10.322-10.442	2.539e+03
6 Dichlorprop	10.741	10.681-10.801	3.723e+05
7 2,4-D	11.427	11.367-11.487	4.091e+05
8 2,4,5-TP	12.399	12.369-12.429	1.712e+06
9 2,4,5-T	13.304	13.274-13.334	1.459e+06
10 Dinoseb	13.598	13.568-13.628	1.108e+06
11 2,4-DB	14.046	14.006-14.086	2.521e+05

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INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2008 16:01
 End Cal Date : 07-JAN-2008 18:40
 Quant Method : ESTD
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd6a.i/012108.b/ECD6-F-51A-010708.m
 Cal Date : 04-Feb-2008 11:28 amy01291

Calibration File Names:

Level 1: /chem/ecd6a.i/010708.b/004f0401.d
 Level 2: /chem/ecd6a.i/010708.b/005f0501.d
 Level 3: /chem/ecd6a.i/010708.b/006f0601.d
 Level 4: /chem/ecd6a.i/010708.b/007f0701.d
 Level 5: /chem/ecd6a.i/010708.b/008f0801.d
 Level 6: /chem/ecd6a.i/010708.b/009f0901.d
 Level 7: /chem/ecd6a.i/010708.b/010f1001.d

Compound	25	50	100	150	200	300	Curve	b	Coefficients	m2	%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1		
	400										
	Level 7										
1 Dalapon	++++ 314430	232575	258023	207275	++++	293145	AVRG		261089		16.68540
3 Dicamba	1220868 694349	1178304	1070687	1003277	++++	939229	AVRG		1017786		18.68349
4 MCPP	++++ 57366009	12923661	20868838	28566934	++++	48375915					
5 MCPA	++++ 83269072	17681853	28482006	39213311	++++	67751596	LINR	-6108	1288		0.99191
6 Dichlorprop	383630 264139	351390	313615	290922	++++	267934	LINR	-5092	1884		0.99697
7 2,4-D	363291 319335	360878	350114	316999	++++	323733	AVRG		311938		15.28169
							AVRG		339058		6.32027

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INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2008 16:01
 End Cal Date : 07-JAN-2008 18:40
 Quant Method : ESTD
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd6a.i/012108.b/ECD6-F-51A-010708.m
 Cal Date : 04-Feb-2008 11:28 amy01291

Compound	25 Level 1	50 Level 2	100 Level 3	150 Level 4	200 Level 5	300 Level 6	Curve	b	Coefficients m1	m2	%RSD or R^2
	400 Level 7										
8 2,4,5-TP	1547120	1478323	1395457	1305815	++++	1228000	AVRG		1362988		9.80441
9 2,4,5-T	1282492	1239724	1245847	1121083	++++	1155824	AVRG		1205828		5.05271
	1189999										
10 2,4-DB	249668	236032	220362	208779	++++	199645	AVRG		219264		9.19323
	201098										
11 Dinoseb	982931	941433	884101	815651	++++	825188	AVRG		879182		7.95637
	825788										
12 2,4-Dichlorophenylacetic acid	376798	343002	308251	299414	++++	275199	AVRG		313401		12.64190
	277740										

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INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2008 16:01
End Cal Date : 07-JAN-2008 18:40
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd6a.i/012108.b/ECD6-F-51A-010708.m
Cal Date : 04-Feb-2008 11:28 amy01291

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + Rsp/ml	Response

GEL Laboratories LLC

INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2008 16:01
 End Cal Date : 07-JAN-2008 18:40
 Quant Method : ESTD
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd6a.i/012108.b/ECD6-B-51A-010708.m
 Cal Date : 04-Feb-2008 11:26 amy01291

Calibration File Names:

Level 1: /chem/ecd6a.i/010708.b/004b0401.d
 Level 2: /chem/ecd6a.i/010708.b/005b0501.d
 Level 3: /chem/ecd6a.i/010708.b/006b0601.d
 Level 4: /chem/ecd6a.i/010708.b/007b0701.d
 Level 5: /chem/ecd6a.i/010708.b/008b0801.d
 Level 6: /chem/ecd6a.i/010708.b/009b0901.d
 Level 7: /chem/ecd6a.i/010708.b/010b1001.d

Compound	25	Level 1	50	Level 2	100	Level 3	150	Level 4	200	Level 5	300	Level 6	Curve	b	Coefficients	m1	m2	%RSD or R^2
1 Dalapon	++++ 394838		275336		312907		253448		++++		361163		AVRG			319538		18.36072
3 MCP	++++ 68468172		16316865		26042920		34269703		++++		54709990		LINR	-7295		1464		0.99637
4 Dicamba	1325745		1221285		1122936		1070657		++++		1001491		AVRG			1123906		11.46853
5 MCPA	++++ 111820080		23096197		37441139		56232796		++++		90624948		LINR	-5148		2539		0.99201
6 Dichlorprop	433378		414325		376206		359263		++++		328421		AVRG			372340		12.06626
7 2,4-D	454099		432008		422101		378937		++++		382220		AVRG			409096		7.66927
	385209												AVRG					

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INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2008 16:01
 End Cal Date : 07-JAN-2008 18:40
 Quant Method : ESTD
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd6a.i/012108.b/ECD6-B-51A-010708.m
 Cal Date : 04-Feb-2008 11:26 amy01291

Compound	25 Level 1	50 Level 2	100 Level 3	150 Level 4	200 Level 5	300 Level 6	Curve	b	Coefficients ml	m2	%RSD or R ²
8 2,4,5-TP	1914821 400 Level 7	1871842	1762519	1618283	++++	1553417	AVRG		1712075		9.37843
9 2,4,5-T	1649535 1401173	1528928	1465327	1339635	++++	1370432	AVRG		1459172		7.91358
10 Dinoseb	1251888 1029451	1197043	1086451	1045933	++++	1035109	AVRG		1107646		8.51059
11 2,4-DB	296836 217917	280368	256784	239391	++++	221275	AVRG		252095		12.67183
\$ 2 2,4-Dichlorophenylacetic acid	446967 333656	418518	380800	360520	++++	335238	AVRG		379283		12.08029

GEL Laboratories LLC

INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2008 16:01
 End Cal Date : 07-JAN-2008 18:40
 Quant Method : ESTD
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/ecd6a.i/012108.b/ECD6-B-51A-010708.m
 Cal Date : 04-Feb-2008 11:26 amy01291

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + Rsp/ml	Response

GEL Laboratories LLC

Column: DB-XLB 0.25mm x 30 m Inj Vol: 2 ul
Data file : /chem/ecd6a.i/010708.b/004f0401.d
Lab Smp Id: WHB071227-01 Client Smp ID: HSTD01
Inj Date : 07-JAN-2008 16:01
Operator : AMY Inst ID: ecd6a.i
Smp Info : WHB071227-01
Misc Info : ICAL LVL1
Comment : 50 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/010708.b/ECD6-F-51A-010708.m
Meth Date : 21-Jan-2008 07:49 jc Quant Type: ESTD
Cal Date : 07-JAN-2008 16:01 Cal File: 004f0401.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: kilroy

AMOUNTS					
		CAL-AMT		ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
1	Dalapon			CAS #:	75-99-0
3.640	3.636	0.004	65195484 250.000	250	

2	2,4-Dichlorophenylacetic acid			CAS #:	19719-28-9
9.070	9.056	0.014	23549864 62.5000	75.1	(M)

3	Dicamba			CAS #:	6597-78-0
9.160	9.147	0.013	30521695 25.0000	30.0	

4	MCPP			CAS #:	7085-19-0
9.408	9.400	0.008	6067870 2500.00		

5	MCPA			CAS #:	94-74-6
9.690	9.684	0.006	9271681 2500.00		

6	Dichlorprop			CAS #:	120-36-5
10.145	10.138	0.007	9590754 25.0000	30.7	

7	2,4-D			CAS #:	94-75-7
10.516	10.507	0.009	9082284 25.0000	26.8	

8	2,4,5-TP			CAS #:	93-72-1
11.830	11.826	0.004	38677992 25.0000	28.4	

9	2,4,5-T			CAS #:	93-76-5
12.370	12.363	0.007	32062309 25.0000	26.6	

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
10 2,4-DB			CAS #: 94-82-6		
13.247	13.237	0.010	6241699	25.0000	28.5

11 Dinoseb			CAS #: 88-85-7		
13.438	13.432	0.006	24573279	25.0000	28.0

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/ecod6a.i/010708.b/004f0401.d

Date : 07-JAN-2008 16:01

Client ID: HSTD01

Sample Info: 14HB071227-01

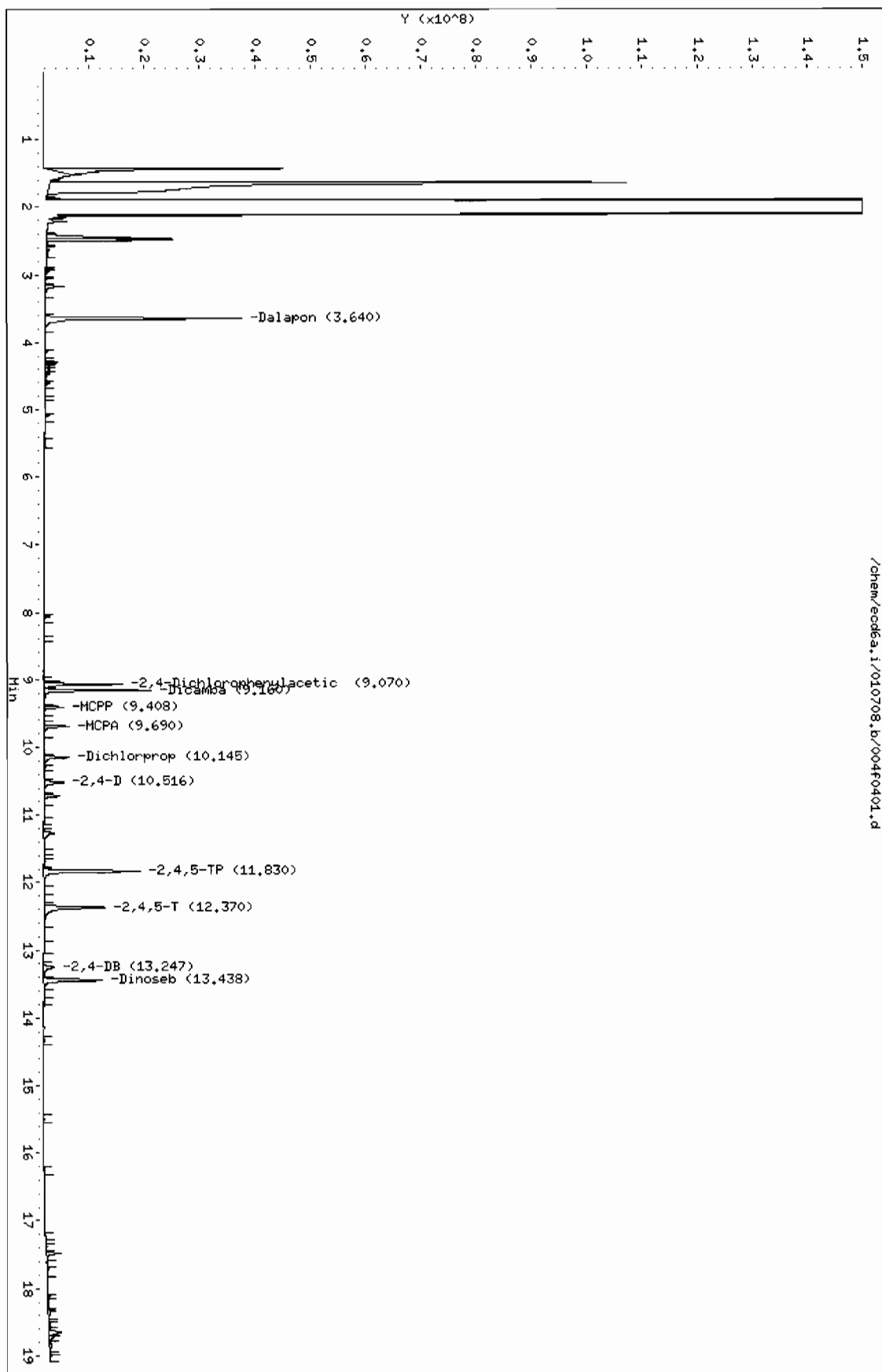
Column phase: DB-XLB

Instrument: ecod6a.i

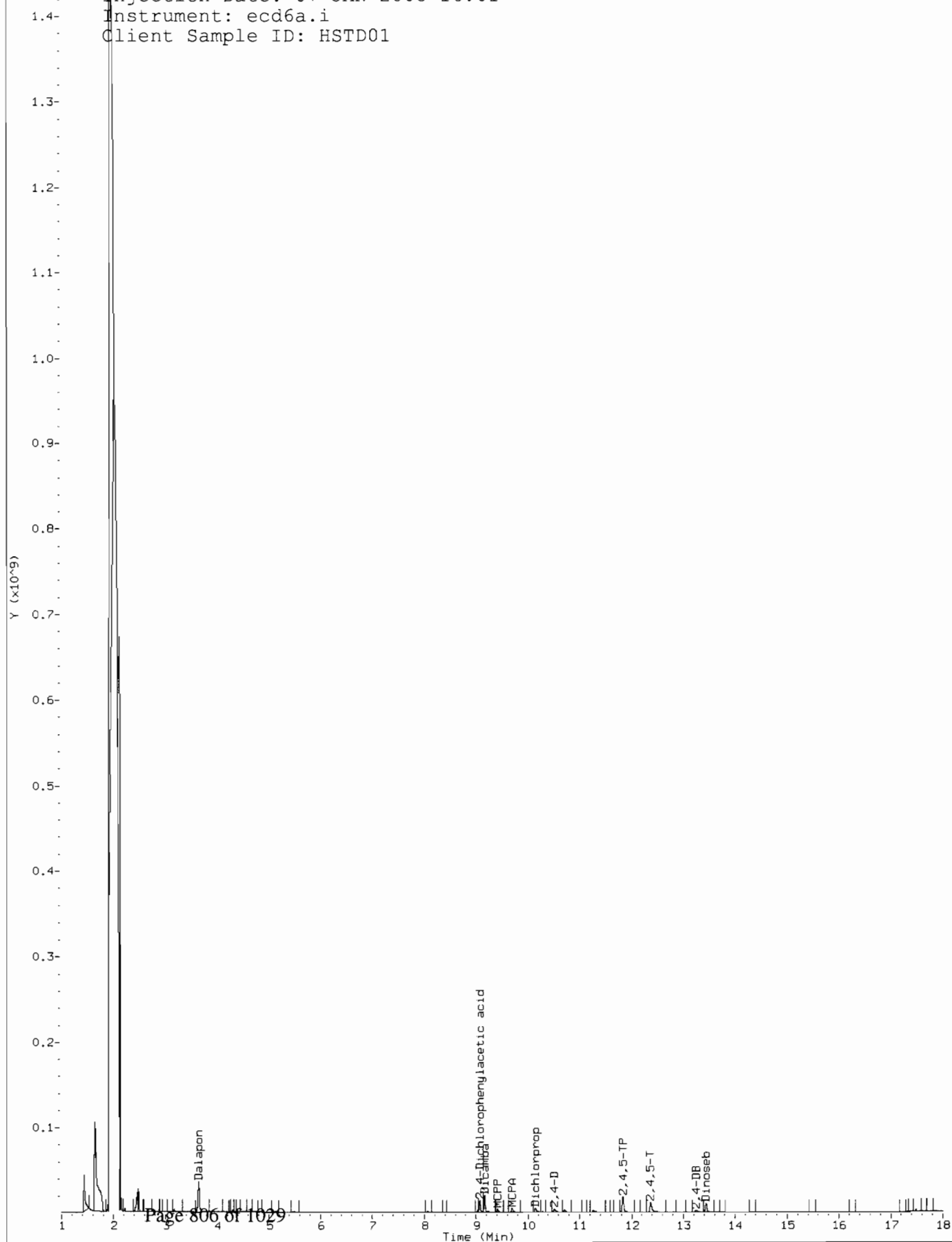
Operator: AHY

Column diameter: 0.25

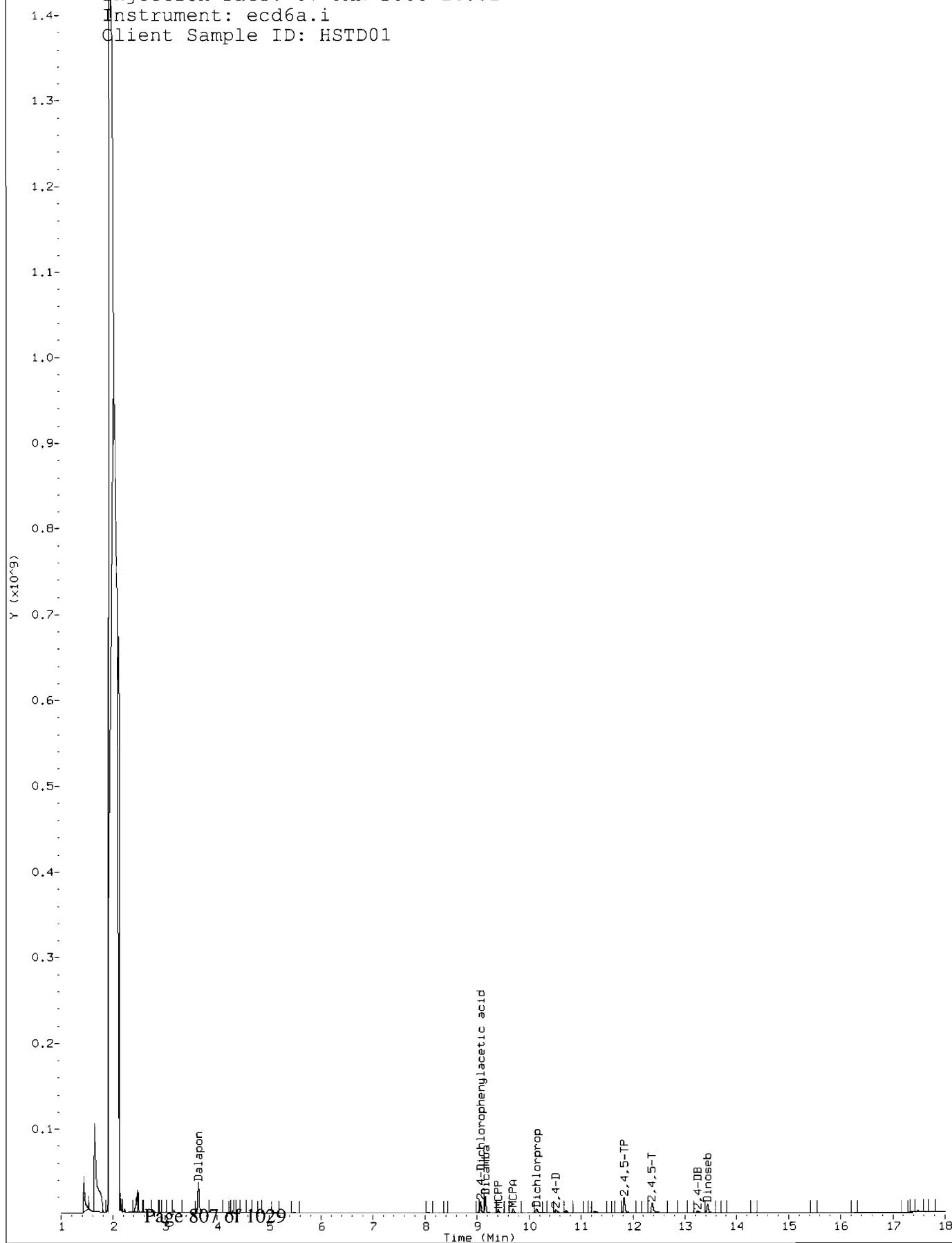
Page 1



Comment: Manually Integrated
Data File: /chem/ecd6a.i/010708.b/004f0401.d
Operator: AMY
Injection Date: 07-JAN-2008 16:01
Instrument: ecd6a.i
Client Sample ID: HSTD01



Comment: Before manual integration
Data File: /chem/ecd6a.i/010708.b/orig-004f0401.d
Operator: AMY
Injection Date: 07-JAN-2008 16:01
Instrument: ecd6a.i
Client Sample ID: HSTD01



GEL Laboratories LLC

Column: DB-17MS 0.25mm x 30 m Inj Vol: 2ul
 Data file : /chem/ecd6a.i/010708.b/004b0401.d
 Lab Smp Id: WHB071227-01 Client Smp ID: HSTD01
 Inj Date : 07-JAN-2008 16:01
 Operator : AMY Inst ID: ecd6a.i
 Smp Info : |WHB071227-01
 Misc Info : ICAL LVL1
 Comment : 60 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
 Method : /chem/ecd6a.i/010708.b/ECD6-B-51A-010708.m
 Meth Date : 10-Jan-2008 14:10 amy01291 Quant Type: ESTD
 Cal Date : 07-JAN-2008 16:01 Cal File: 004b0401.d
 Als bottle: 4 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS					
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	
==	=====	=====	=====	=====	=====
1	Dalapon			CAS #: 88-85-7	
3.915	3.911	0.004	71310985 250.000	223	

S 2	2,4-Dichlorophenylacetic acid			CAS #: 19719-28-9	
9.667	9.657	0.010	27935440 62.5000	73.6	

3	MCPP			CAS #: 7085-19-0	
9.880	9.874	0.006	9797347 2500.00		

4	Dicamba			CAS #: 6597-78-0	
9.935	9.926	0.009	33143634 25.0000	29.5	

5	MCPA			CAS #: 94-74-6	
10.403	10.400	0.003	14799862 2500.00	682	

6	Dichlorprop			CAS #: 120-36-5	
10.764	10.760	0.004	10834452 25.0000	29.1	

7	2,4-D			CAS #: 94-75-7	
11.451	11.446	0.005	11352470 25.0000	27.8	

8	2,4,5-TP			CAS #: 93-72-1	
12.425	12.422	0.003	47870522 25.0000	28.0	

9	2,4,5-T			CAS #: 93-76-5	
13.331	13.329	0.002	41238377 25.0000	28.3	

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
10 Dinoseb			CAS #: 88-85-7		
13.629	13.624	0.005	31297203	25.0000	28.2

11 2,4-DB			CAS #: 94-82-6		
14.076	14.071	0.005	7420902	25.0000	29.4

Data File: /chem/ecdb6a.i/010708.b/004b0401.d

Date: 07-JAN-2008 16:01

Client ID: HSTD01

Sample Info: 1MHB071227-01

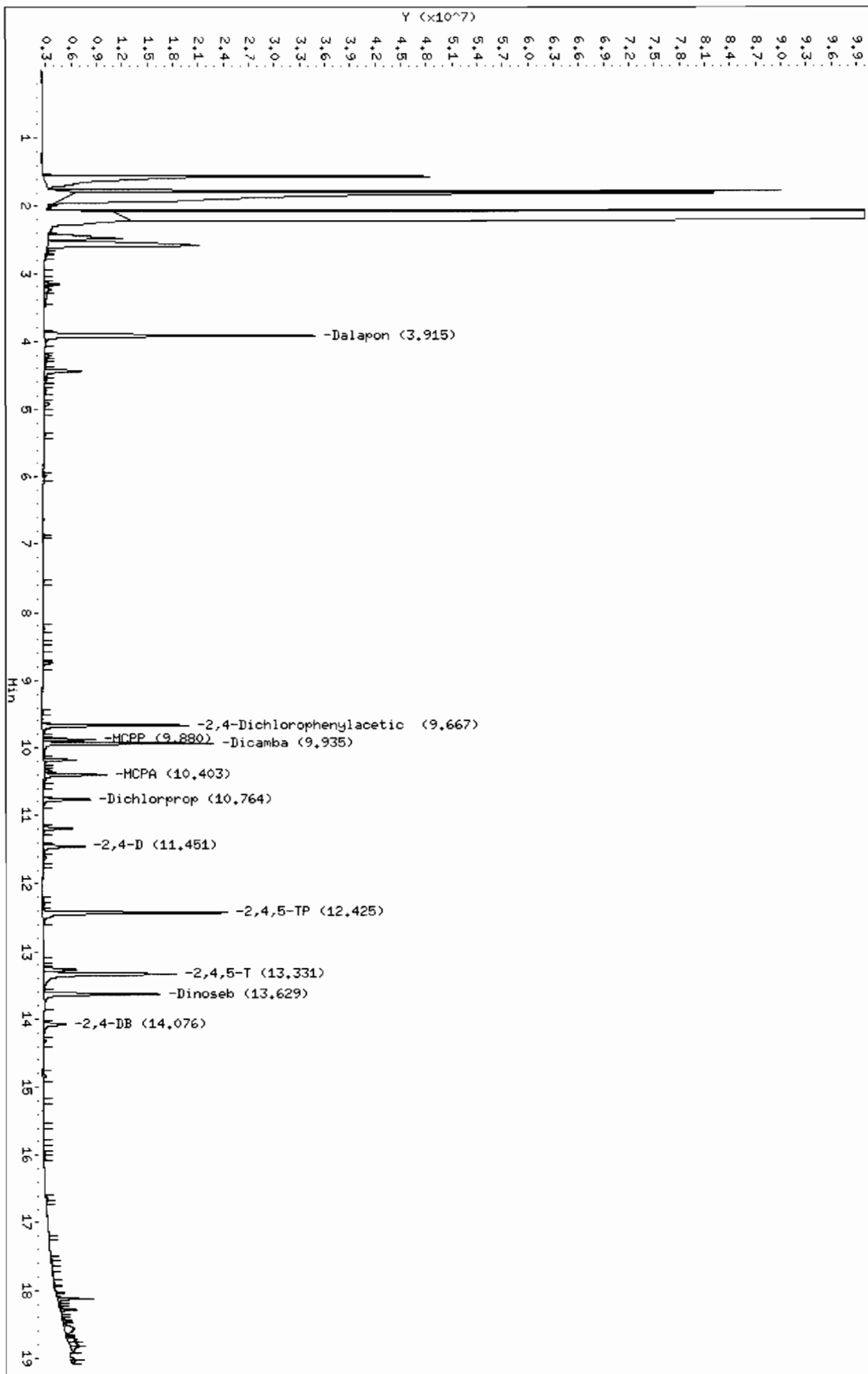
Column phase: DB-17MS

Instrument: ecdb6a.i

Operator: AHY

Column diameter: 0.25

/chem/ecdb6a.i/010708.b/004b0401.d



Data File: /chem/ecd6a.i/010708.b/005f0501.d
Report Date: 21-Jan-2008 07:49

Page 1

GEL Laboratories LLC

Column: DB-XLB 0.25mm x 30 m Inj Vol: 2 ul

Data file : /chem/ecd6a.i/010708.b/005f0501.d

Lab Smp Id: WHB071227-02

Client Smp ID: HSTD02

Inj Date : 07-JAN-2008 16:27

Operator : AMY

Inst ID: ecd6a.i

Smp Info : |WHB071227-02

Misc Info : ICAL LVL2

Comment : 50 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m

Method : /chem/ecd6a.i/010708.b/ECD6-F-51A-010708.m

Meth Date : 21-Jan-2008 07:49 jc

Quant Type: ESTD

Cal Date : 07-JAN-2008 16:27

Cal File: 005f0501.d

Als bottle: 5

Calibration Sample, Level: 2

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 3.50

Sample Matrix: None

Processing Host: kilroy

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT	ON-COL	
			RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
1	Dalapon			CAS #: 75-99-0	
3.640	3.636	0.004	116287618 500.000	445	(M)

\$ 2	2,4-Dichlorophenylacetic acid			CAS #: 19719-28-9	
9.065	9.056	0.009	42875189 125.000	137	

3	Dicamba			CAS #: 6597-78-0	
9.156	9.147	0.009	58915202 50.0000	57.9	

4	MCPD			CAS #: 7085-19-0	
9.404	9.400	0.004	12923661 5000.00	3930	

5	MCPA			CAS #: 94-74-6	
9.688	9.684	0.004	17681853 5000.00	4290	

6	Dichlorprop			CAS #: 120-36-5	
10.144	10.138	0.006	17569509 50.0000	56.3	

7	2,4-D			CAS #: 94-75-7	
10.514	10.507	0.007	18043916 50.0000	53.2	

8	2,4,5-TP			CAS #: 93-72-1	
11.828	11.826	0.002	73916128 50.0000	54.2	

9	2,4,5-T			CAS #: 93-76-5	
12.369	12.363	0.006	61986211 50.0000	51.4	

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
==	=====	=====	=====	=====	=====
10 2,4-DB				CAS #: 94-82-6	
13.244	13.237	0.007	11801598	50.0000	53.8

11 Dinoseb				CAS #: 88-85-7	
13.437	13.432	0.005	47071668	50.0000	53.5

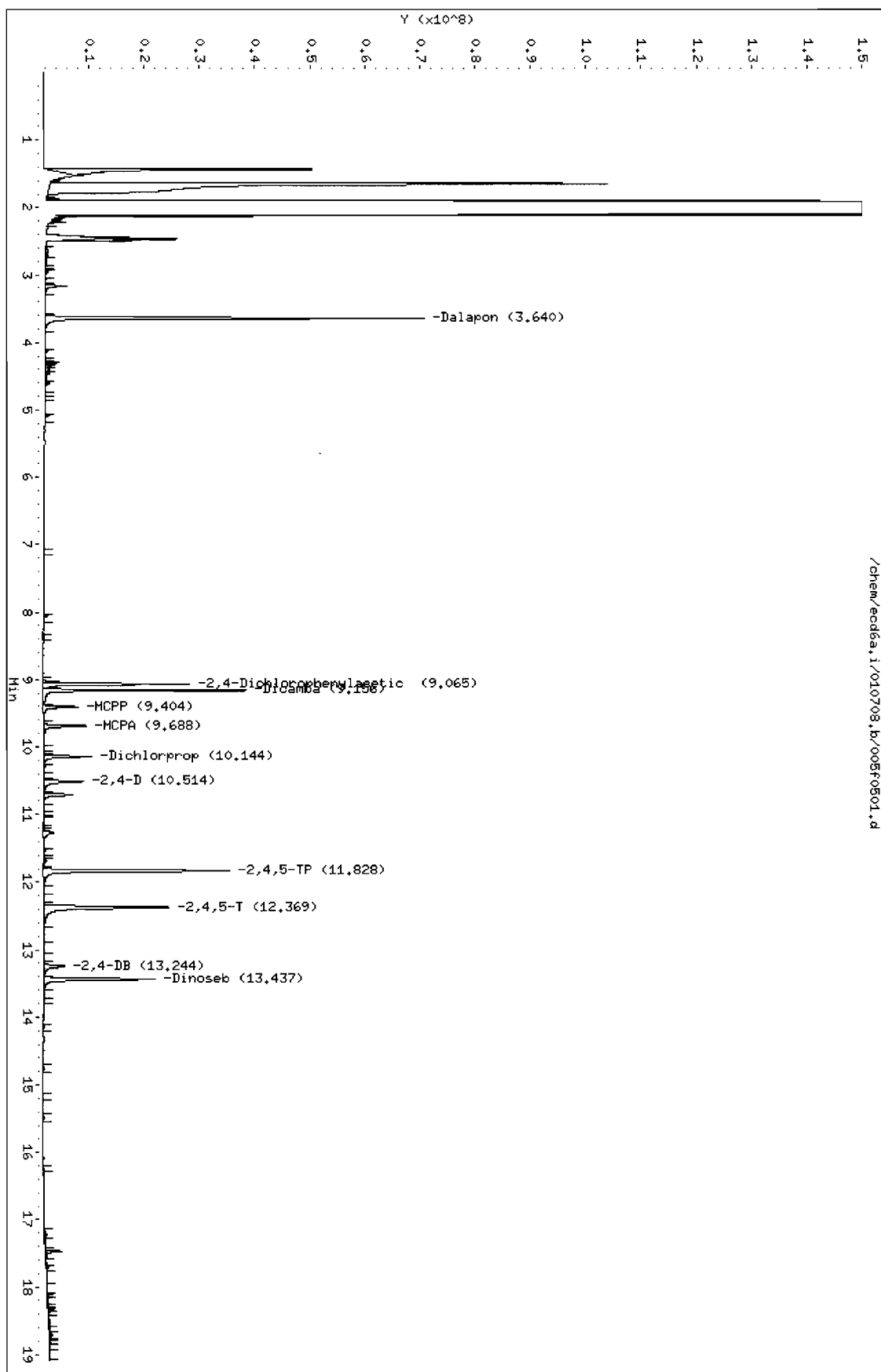
QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/eod6a.i/010708.b/005f0501.d
Date : 07-JAN-2008 16:27
Client ID: HSTD02
Sample Info: 14HB071227-02

Column phase: DB-XLB

Instrument: eod6a.i
Operator: AHY
Column diameter: 0.25



GEL Laboratories LLC

Column: DB-17MS 0.25mm x 30 m Inj Vol: 2ul

Data file : /chem/ecd6a.i/010708.b/005b0501.d

Lab Smp Id: WHB071227-02

Client Smp ID: HSTD02

Inj Date : 07-JAN-2008 16:27

Operator : AMY

Inst ID: ecd6a.i

Smp Info : |WHB071227-02

Misc Info : ICAL LVL2

Comment : 60 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m

Method : /chem/ecd6a.i/010708.b/ECD6-B-51A-010708.m

Meth Date : 10-Jan-2008 14:10 amy01291 Quant Type: ESTD

Cal Date : 07-JAN-2008 16:27

Cal File: 005b0501.d

Als bottle: 5

Calibration Sample, Level: 2

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT	ON-COL
			RESPONSE (ug/L)	(ug/L)
==	=====	=====	=====	=====
1	Dalapon			CAS #: 88-85-7
3.915	3.911	0.004	137667851 500.000	500

2	2,4-Dichlorophenylacetic acid			CAS #: 19719-28-9
9.665	9.657	0.008	52314799 125.000	121

3	MCPP			CAS #: 7085-19-0
9.879	9.874	0.005	16316865 5000.00	5000

4	Dicamba			CAS #: 6597-78-0
9.932	9.926	0.006	61064272 50.0000	47.9

5	MCPA			CAS #: 94-74-6
10.402	10.400	0.002	23096197 5000.00	5000

6	Dichlorprop			CAS #: 120-36-5
10.764	10.760	0.004	20716256 50.0000	48.9

7	2,4-D			CAS #: 94-75-7
11.450	11.446	0.004	21600422 50.0000	48.8

8	2,4,5-TP			CAS #: 93-72-1
12.425	12.422	0.003	93592082 50.0000	49.4

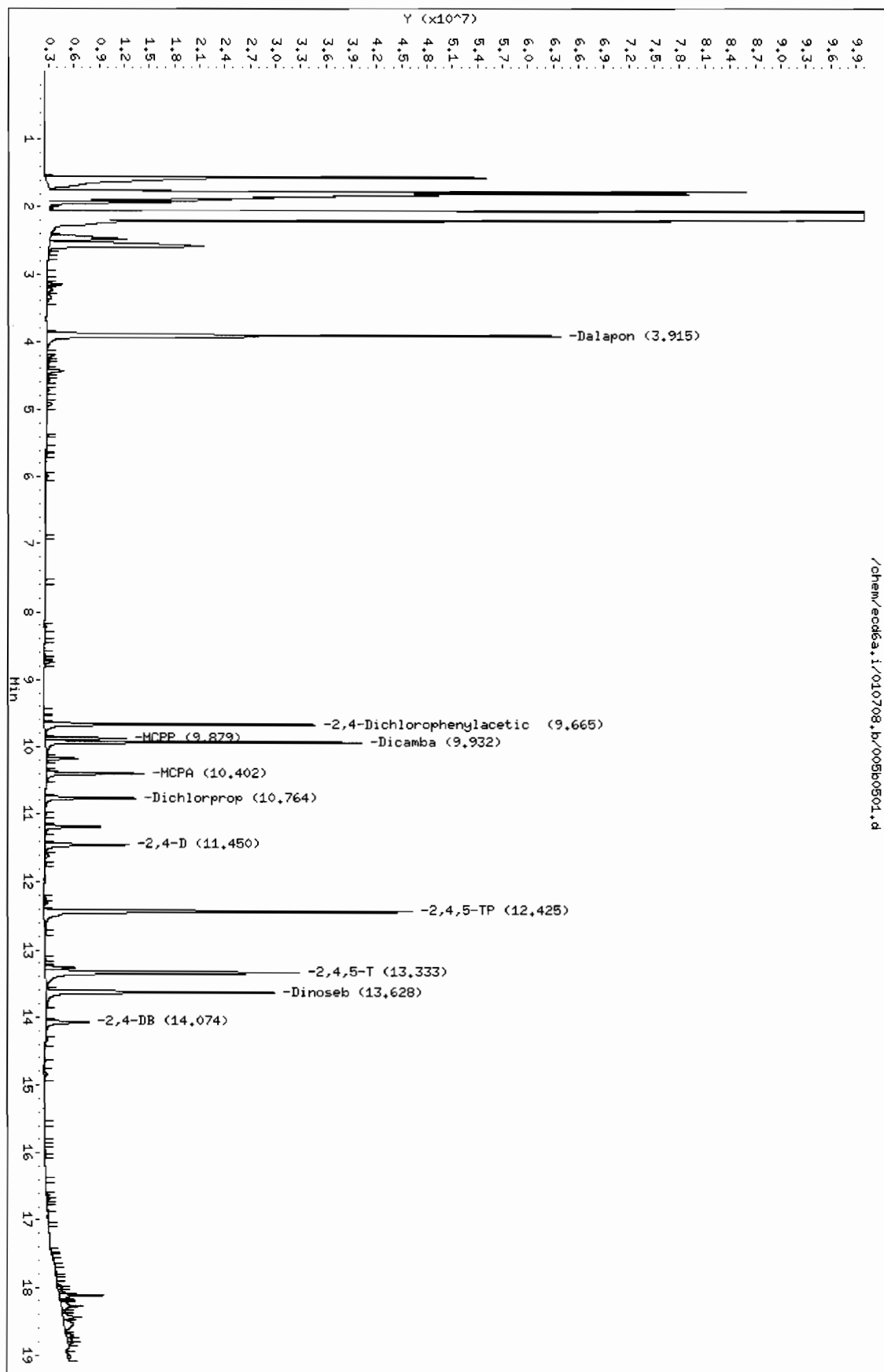
9	2,4,5-T			CAS #: 93-76-5
13.333	13.329	0.004	76446394 50.0000	48.1

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
10 Dinoseb			CAS #: 88-85-7		
13.628	13.624	0.004	59852162	50.0000	48.9

11 2,4-DB			CAS #: 94-82-6		
14.074	14.071	0.003	14018384	50.0000	48.6

Data File: /chem/ecda.i/010708.b/0050501.d
Date: 07-JAN-2008 16:27
Client ID: HSTD02
Sample Info: 14HB071227-02
Column phase: DB-17MS

Instrument: ecda.i
Operator: AHV
Column diameter: 0.25



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Column: DB-XLB 0.25mm x 30 m Inj Vol: 2 ul

Data file : /chem/ecd6a.i/010708.b/006f0601.d
 Lab Smp Id: WHB071227-03 Client Smp ID: HSTD03
 Inj Date : 07-JAN-2008 16:54
 Operator : AMY Inst ID: ecd6a.i
 Smp Info : |WHB071227-03
 Misc Info : ICAL LVL3
 Comment : 50 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
 Method : /chem/ecd6a.i/010708.b/ECD6-F-51A-010708.m
 Meth Date : 21-Jan-2008 07:49 jc Quant Type: ESTD
 Cal Date : 07-JAN-2008 16:54 Cal File: 006f0601.d
 Als bottle: 6 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: None
 Processing Host: kilroy

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE (ug/L)	CAL-AMT	ON-COL	
==	=====	=====	=====	=====	=====	
1	Dalapon				CAS #: 75-99-0	
3.638	3.636	0.002	258022680	1000.00	988	(M)

\$ 2	2,4-Dichlorophenylacetic acid				CAS #: 19719-28-9	
9.061	9.056	0.005	77062853	250.000	246	

3	Dicamba				CAS #: 6597-78-0	
9.152	9.147	0.005	107068710	100.000	105	

4	MCPP				CAS #: 7085-19-0	
9.401	9.400	0.001	20868838	10000.0	10100	

5	MCPA				CAS #: 94-74-6	
9.685	9.684	0.001	28482006	10000.0	10000	

6	Dichlorprop				CAS #: 120-36-5	
10.142	10.138	0.004	31361462	100.000	100	

7	2,4-D				CAS #: 94-75-7	
10.512	10.507	0.005	35011448	100.000	103	

8	2,4,5-TP				CAS #: 93-72-1	
11.827	11.826	0.001	139545721	100.000	102	

9	2,4,5-T				CAS #: 93-76-5	
12.367	12.363	0.004	124584700	100.000	103	(M)

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
10 2,4-DB			CAS #: 94-82-6		
13.241	13.237	0.004	22036159	100.000	100

11 Dinoseb			CAS #: 88-85-7		
13.434	13.432	0.002	88410089	100.000	100

QC Flag Legend

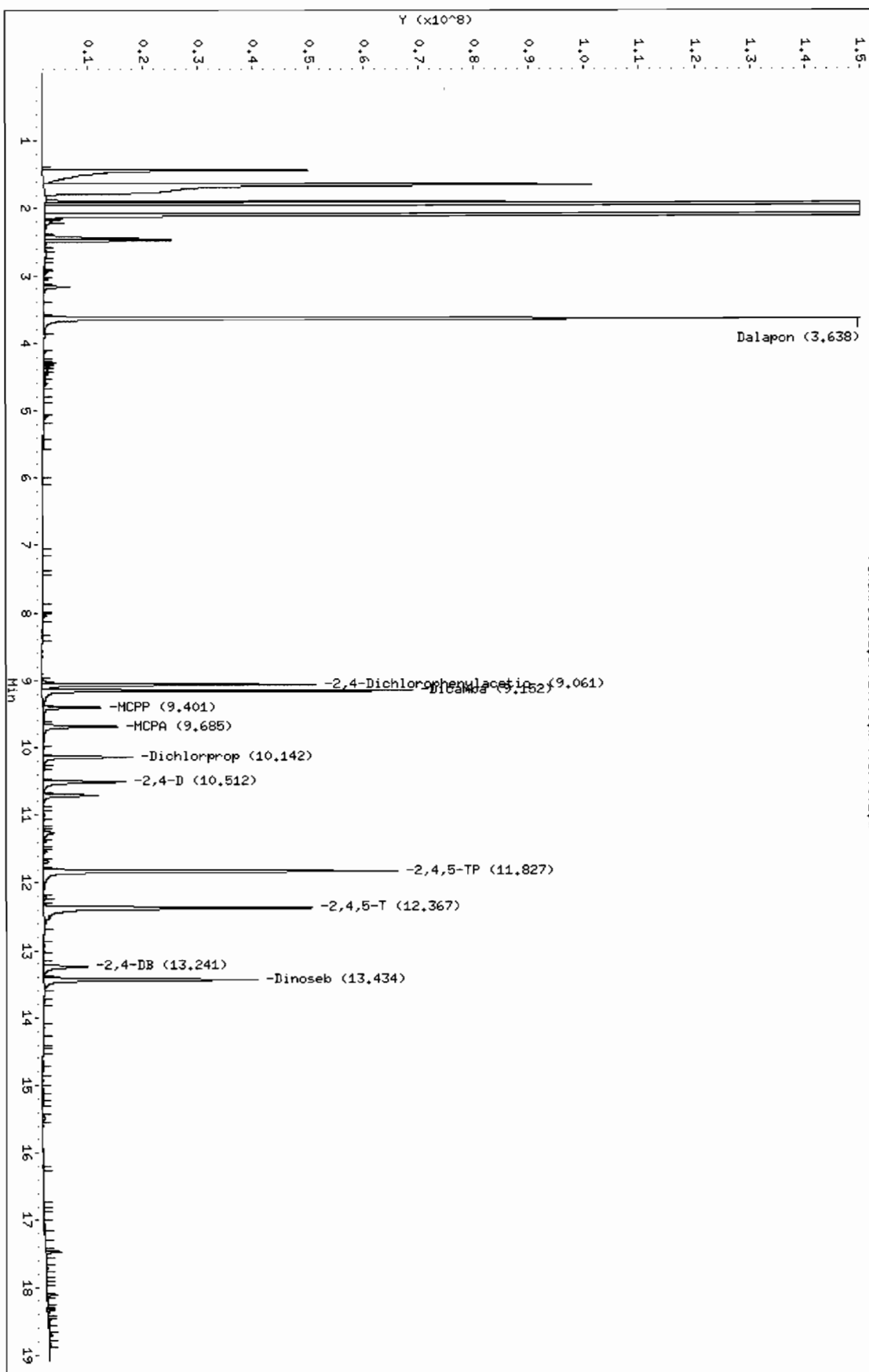
M - Compound response manually integrated.

Data File: /chem/ecd6a.i/010708.b/006f0601.d
Date : 07-JAN-2008 16:54
Client ID: HSTD03
Sample Info: LMHB071227-03

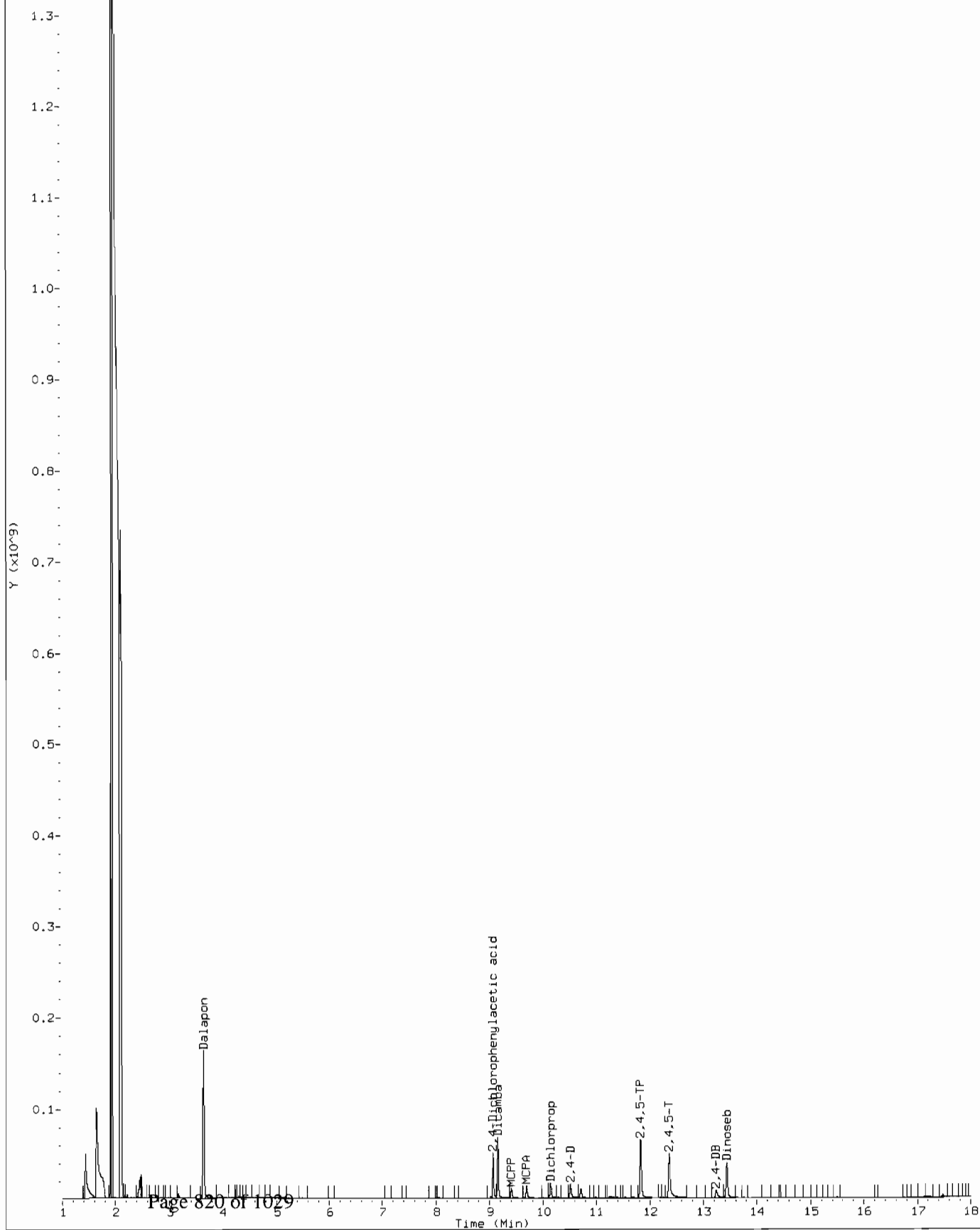
Column phase: DB-XLB

Instrument: ecd6a.i
Operator: AMY
Column diameter: 0.25

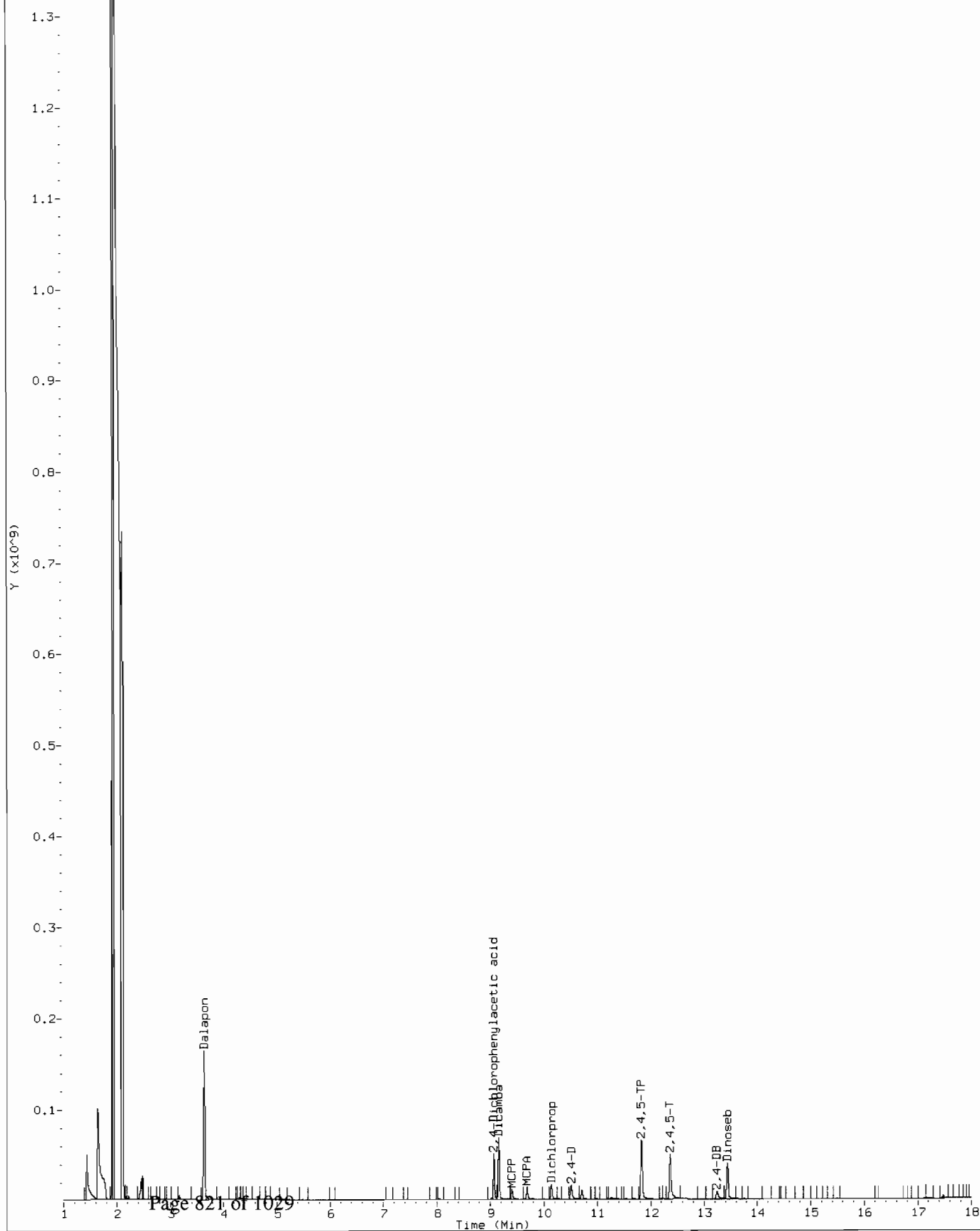
/chem/ecd6a.i/010708.b/006f0601.d



Comment: Manually Integrated
Data File: /chem/ecd6a.i/010708.b/006f0601.d
Operator: AMY
Injection Date: 07-JAN-2008 16:54
Instrument: ecd6a.i
Client Sample ID: HSTD03



Comment: Before manual integration
Data File: /chem/ecd6a.i/010708.b/orig-006f0601.d
Operator: AMY
Injection Date: 07-JAN-2008 16:54
Instrument: ecd6a.i
Client Sample ID: HSTD03



GEL Laboratories LLC

Column: DB-17MS 0.25mm x 30 m Inj Vol: 2ul
 Data file : /chem/ecd6a.i/010708.b/006b0601.d
 Lab Smp Id: WHB071227-03 Client Smp ID: HSTD03
 Inj Date : 07-JAN-2008 16:54
 Operator : AMY Inst ID: ecd6a.i
 Smp Info : |WHB071227-03
 Misc Info : ICAL LVL3
 Comment : 60 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
 Method : /chem/ecd6a.i/010708.b/ECD6-B-51A-010708.m
 Meth Date : 10-Jan-2008 14:10 amy01291 Quant Type: ESTD
 Cal Date : 07-JAN-2008 16:54 Cal File: 006b0601.d
 Als bottle: 6 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====		=====	=====	
1	Dalapon			CAS #:	88-85-7
3.913	3.911	0.002	312907455 1000.00	1060	

\$ 2	2,4-Dichlorophenylacetic acid			CAS #:	19719-28-9
9.661	9.657	0.004	95199968 250.000	229	

3	MCP			CAS #:	7085-19-0
9.876	9.874	0.002	26042920 10000.0	10000	

4	Dicamba			CAS #:	6597-78-0
9.929	9.926	0.003	112293630 100.000	91.8	

5	MCPA			CAS #:	94-74-6
10.400	10.400	0.000	37441139 10000.0	10000	

6	Dichlorprop			CAS #:	120-36-5
10.762	10.760	0.002	37620609 100.000	92.2	

7	2,4-D			CAS #:	94-75-7
11.448	11.446	0.002	42210128 100.000	96.8	

8	2,4,5-TP			CAS #:	93-72-1
12.424	12.422	0.002	176251915 100.000	95.3	

9	2,4,5-T			CAS #:	93-76-5
13.331	13.329	0.002	146532683 100.000	94.7	

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
10 Dinoseb			CAS #: 88-85-7		
13.625	13.624	0.001	108645134	100.000	92.2

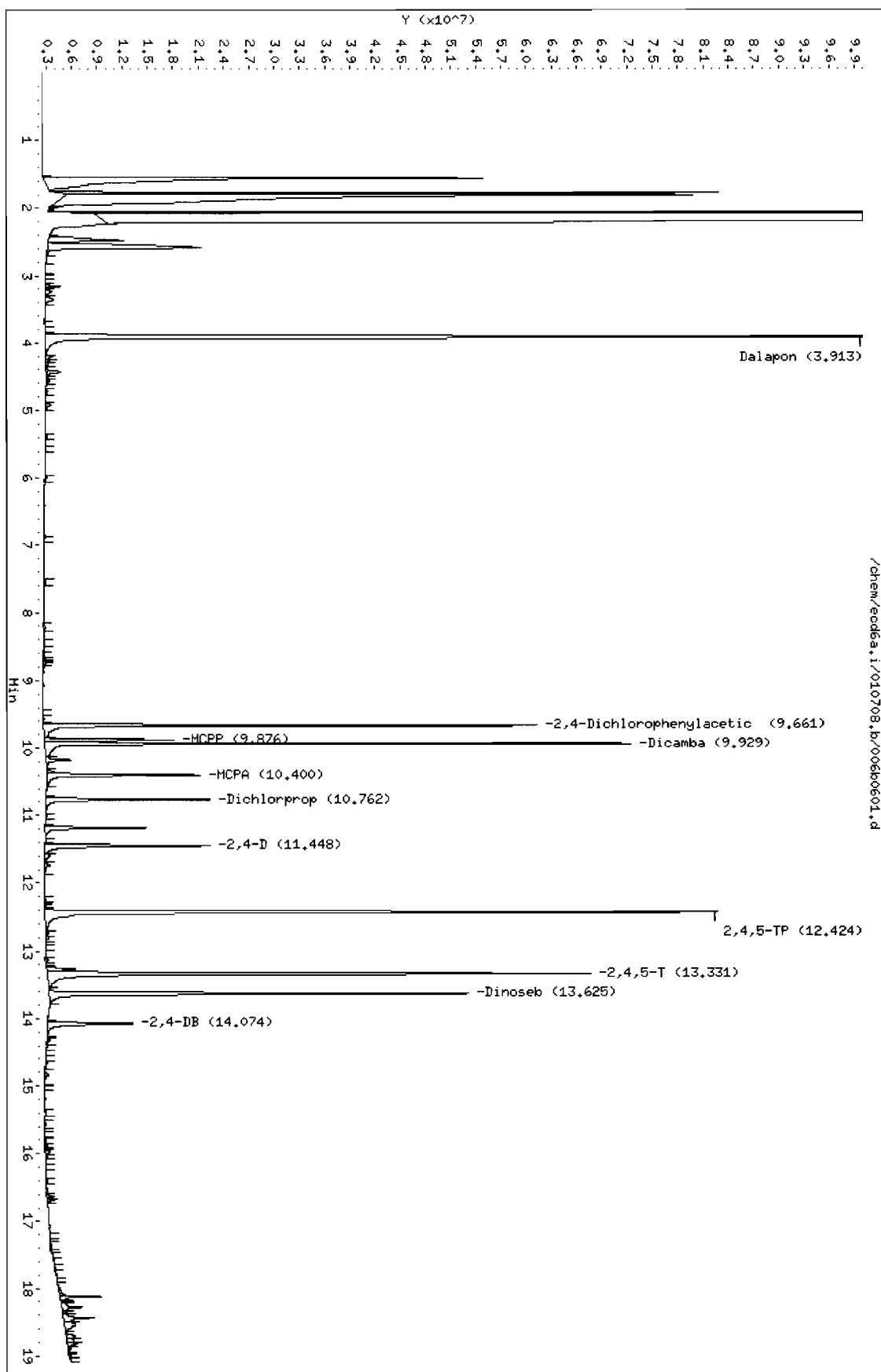
11 2,4-DB			CAS #: 94-82-6		
14.074	14.071	0.003	25678423	100.000	92.4

Data File: /chem/ecda,i/010708,b/0060601.d
Date : 07-JAN-2008 16:54
Client ID: HSTD03
Sample Info: 1MH8071227-03

Column phase: DB-17HS

Instrument: ecda,i
Operator: AMY
Column diameter: 0.25

Page 1



GEL Laboratories LLC

Column: DB-XLB 0.25mm x 30 m Inj Vol: 2 ul

Data file : /chem/ecd6a.i/010708.b/007f0701.d

Lab Smp Id: WHB071227-04

Client Smp ID: HSTD04

Inj Date : 07-JAN-2008 17:20

Operator : AMY

Inst ID: ecd6a.i

Smp Info : |WHB071227-04

Misc Info : ICAL LVL4

Comment : 50 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m

Method : /chem/ecd6a.i/010708.b/ECD6-F-51A-010708.m

Meth Date : 21-Jan-2008 07:49 jc

Quant Type: ESTD

Cal Date : 07-JAN-2008 17:20

Cal File: 007f0701.d

Als bottle: 7

Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 3.50

Sample Matrix: None

Processing Host: kilroy

AMOUNTS

			CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	
==	=====	=====	=====	=====	=====	
1 Dalapon					CAS #: 75-99-0	
3.638	3.636	0.002	310912159	1500.00	1190	

2 2,4-Dichlorophenylacetic acid					CAS #: 19719-28-9	
9.059	9.056	0.003	112280389	375.000	358	

3 Dicamba					CAS #: 6597-78-0	
9.150	9.147	0.003	150491552	150.000	148	

4 MCPP					CAS #: 7085-19-0	
9.400	9.400	0.000	28566934	15000.0	16100	

5 MCPA					CAS #: 94-74-6	
9.684	9.684	0.000	39213311	15000.0	15700	

6 Dichlorprop					CAS #: 120-36-5	
10.140	10.138	0.002	43638230	150.000	140	

7 2,4-D					CAS #: 94-75-7	
10.510	10.507	0.003	47549813	150.000	140	

8 2,4,5-TP					CAS #: 93-72-1	
11.829	11.826	0.003	195872237	150.000	144	

9 2,4,5-T					CAS #: 93-76-5	
12.367	12.363	0.004	168162457	150.000	139	

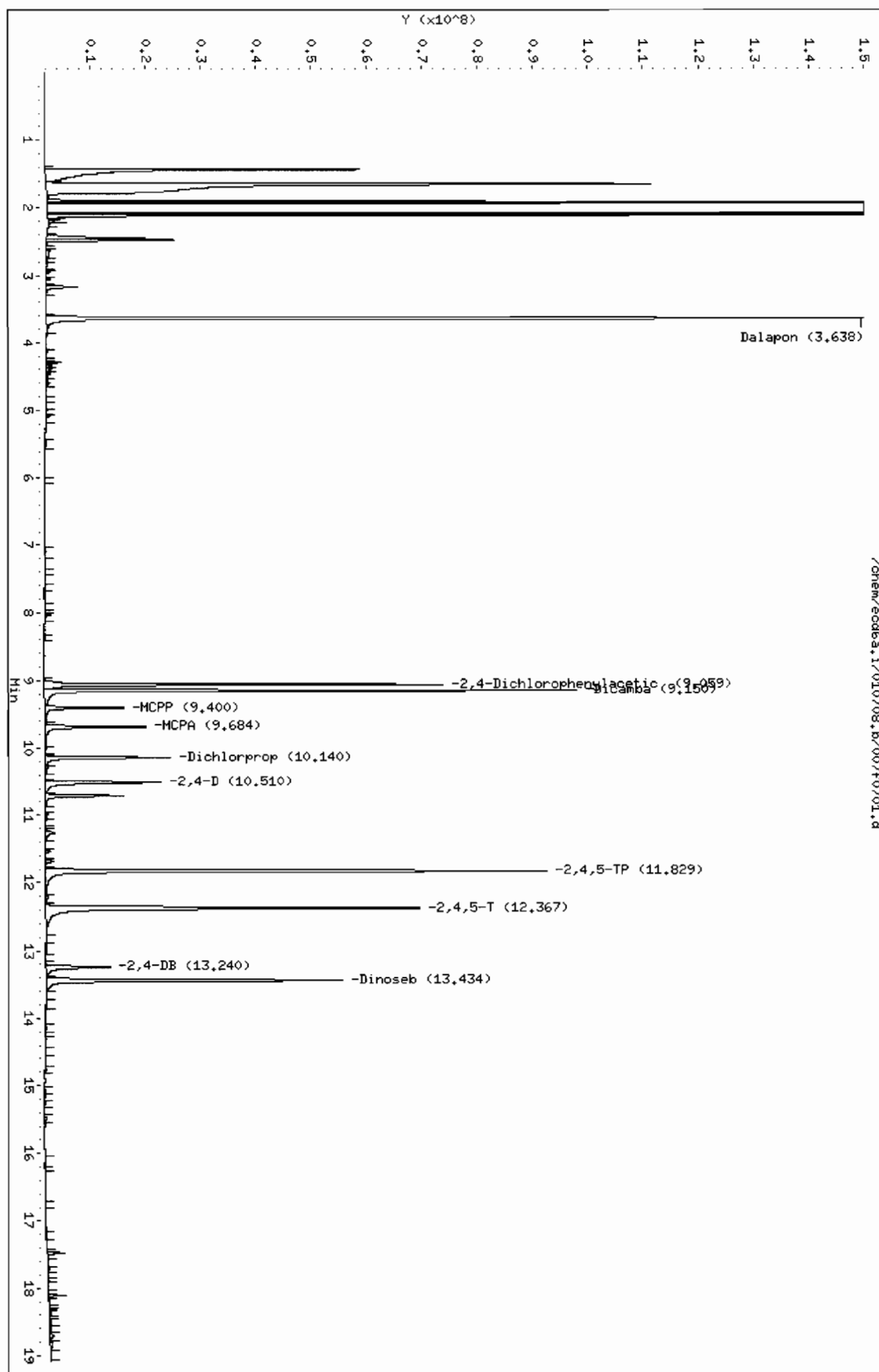
AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
10 2,4-DB			CAS #: 94-82-6		
13.240	13.237	0.003	31316859	150.000	143

11 Dinoseb			CAS #: 88-85-7		
13.434	13.432	0.002	122347626	150.000	139

Data File: /chem/eod6a.i/010708.b/007f0701.d
Date: 07-JAN-2008 17:20
Client ID: HSTD04
Sample Info: 14HB071227-04
Column phase: DB-XLB

Instrument: eod6a.i
Operator: AMV
Column diameter: 0.25

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GEL Laboratories LLC

Column: DB-17MS 0.25mm x 30 m Inj Vol: 2ul
Data file : /chem/ecd6a.i/010708.b/007b0701.d
Lab Smp Id: WHB071227-04 Client Smp ID: HSTD04
Inj Date : 07-JAN-2008 17:20
Operator : AMY Inst ID: ecd6a.i
Smp Info : |WHB071227-04
Misc Info : ICAL LVL4
Comment : 60 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/010708.b/ECD6-B-51A-010708.m
Meth Date : 10-Jan-2008 14:10 amy01291 Quant Type: ESTD
Cal Date : 07-JAN-2008 17:20 Cal File: 007b0701.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
1	Dalapon			CAS #:	88-85-7
3.913	3.911	0.002	380171836 1500.00	1360	

\$ 2	2,4-Dichlorophenylacetic acid			CAS #:	19719-28-9
9.659	9.657	0.002	135195002 375.000	336	

3	MCP			CAS #:	7085-19-0
9.875	9.874	0.001	34269703 15000.0	14800	

4	Dicamba			CAS #:	6597-78-0
9.927	9.926	0.001	160598558 150.000	136	

5	MCPA			CAS #:	94-74-6
10.400	10.400	0.000	56232796 15000.0	15200	

6	Dichlorprop			CAS #:	120-36-5
10.760	10.760	0.000	53889483 150.000	136	

7	2,4-D			CAS #:	94-75-7
11.448	11.446	0.002	56840499 150.000	135	

8	2,4,5-TP			CAS #:	93-72-1
12.424	12.422	0.002	242742391 150.000	135	

9	2,4,5-T			CAS #:	93-76-5
13.332	13.329	0.003	200945233 150.000	134	

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
10 Dinoseb			CAS #: 88-85-7		
13.626	13.624	0.002	156889887	150.000	137

11 2,4-DB			CAS #: 94-82-6		
14.073	14.071	0.002	35908721	150.000	134

Data File: /chem/ecda.i/010708.b/007b0701.d

Date: 07-JAN-2008 17:20

Client ID: HSTD04

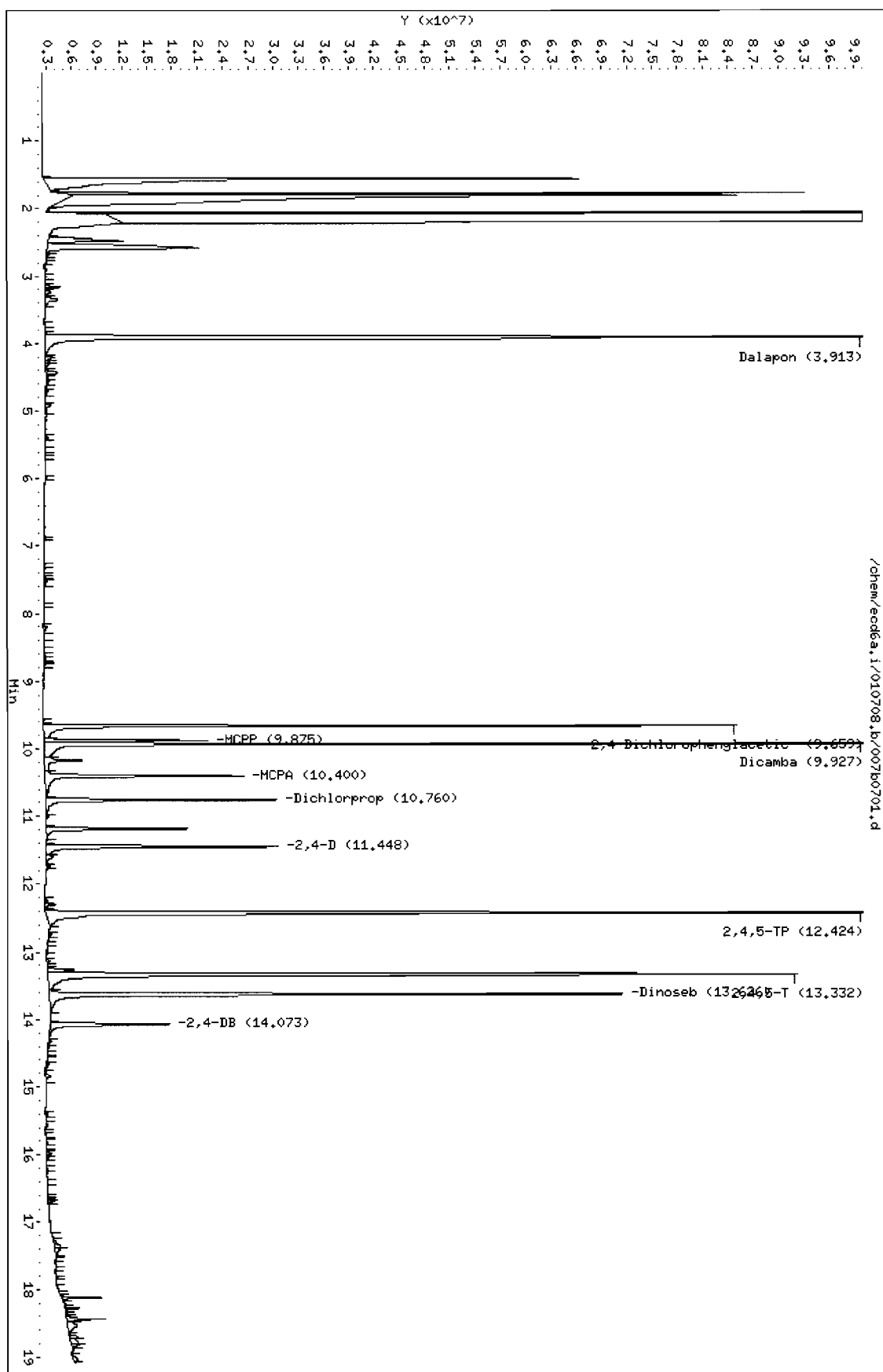
Sample Info: 14HB071227-04

Column phase: DB-17MS

Instrument: ecda.i

Operator: AHV

Column diameter: 0.25



GEL Laboratories LLC

Column: DB-XLB 0.25mm x 30 m Inj Vol: 2 ul
 Data file : /chem/ecd6a.i/010708.b/009f0901.d
 Lab Smp Id: WHB071227-06 Client Smp ID: HSTD06
 Inj Date : 07-JAN-2008 18:13
 Operator : AMY Inst ID: ecd6a.i
 Smp Info : |WHB071227-06
 Misc Info : ICAL LVL6
 Comment : 50 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
 Method : /chem/ecd6a.i/010708.b/ECD6-F-51A-010708.m
 Meth Date : 21-Jan-2008 07:49 jc Quant Type: ESTD
 Cal Date : 07-JAN-2008 18:13 Cal File: 009f0901.d
 Als bottle: 9 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: None
 Processing Host: kilroy

AMOUNTS					
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	
==	=====	=====	=====	=====	=====
1 Dalapon				CAS #: 75-99-0	
3.633	3.636	-0.003	879435600 3000.00	3370	(M)

\$ 2 2,4-Dichlorophenylacetic acid				CAS #: 19719-28-9	
9.054	9.056	-0.002	206399109 750.000	658	

3 Dicamba				CAS #: 6597-78-0	
9.145	9.147	-0.002	281768567 300.000	277	

4 MCPP				CAS #: 7085-19-0	
9.399	9.400	-0.001	48375915 30000.0	31400	(A)

5 MCPA				CAS #: 94-74-6	
9.683	9.684	-0.001	67751596 30000.0	30900	(A)

6 Dichlorprop				CAS #: 120-36-5	
10.137	10.138	-0.001	80380159 300.000	258	

7 2,4-D				CAS #: 94-75-7	
10.506	10.507	-0.001	97119947 300.000	286	

8 2,4,5-TP				CAS #: 93-72-1	
11.824	11.826	-0.002	368399968 300.000	270	

9 2,4,5-T				CAS #: 93-76-5	
12.362	12.363	-0.001	346747241 300.000	288	

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
10 2,4-DB			CAS #: 94-82-6		
13.236	13.237	-0.001	59893531	300.000	273

11 Dinoseb			CAS #: 88-85-7		
13.431	13.432	-0.001	247556461	300.000	282

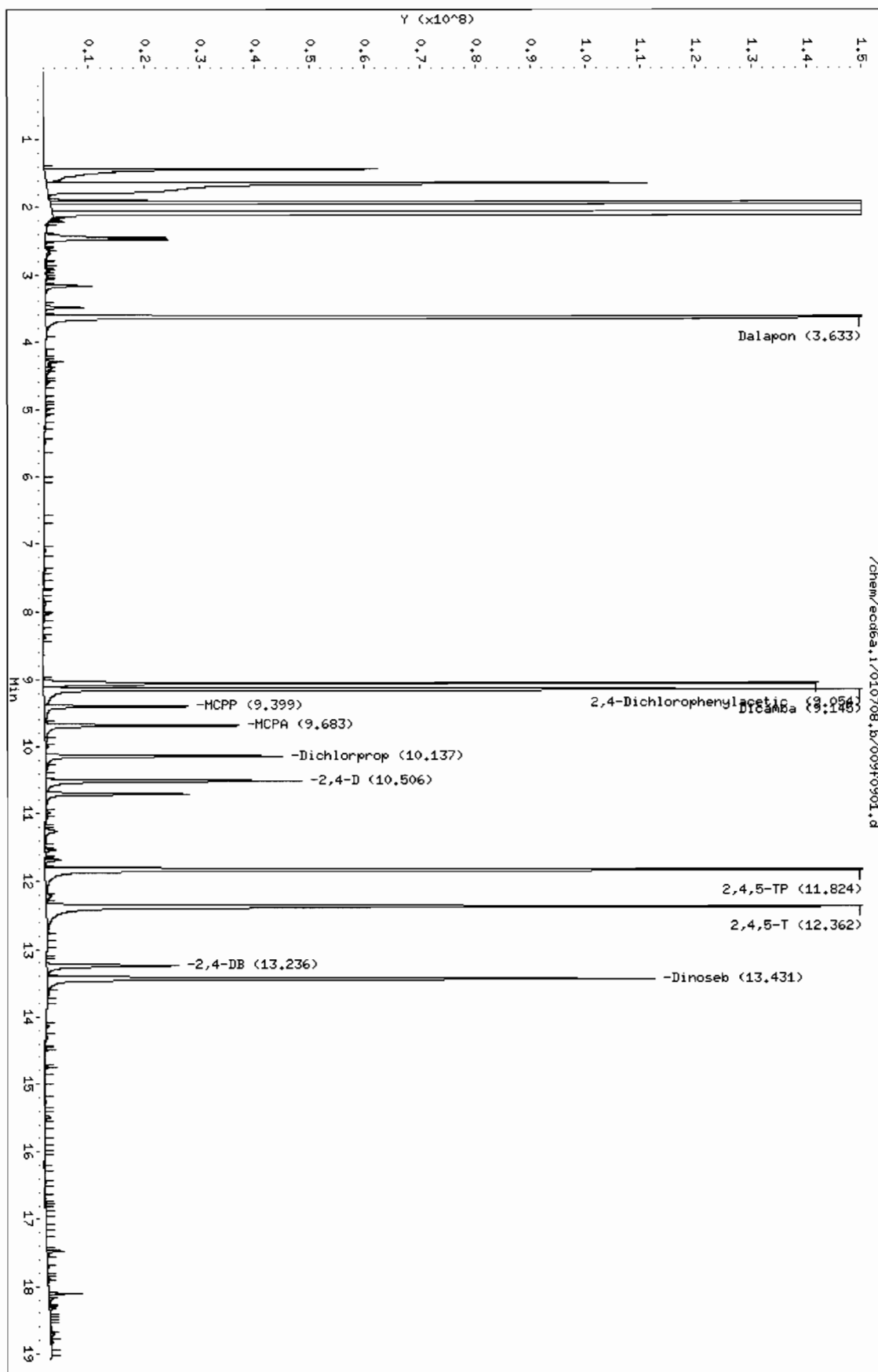
QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

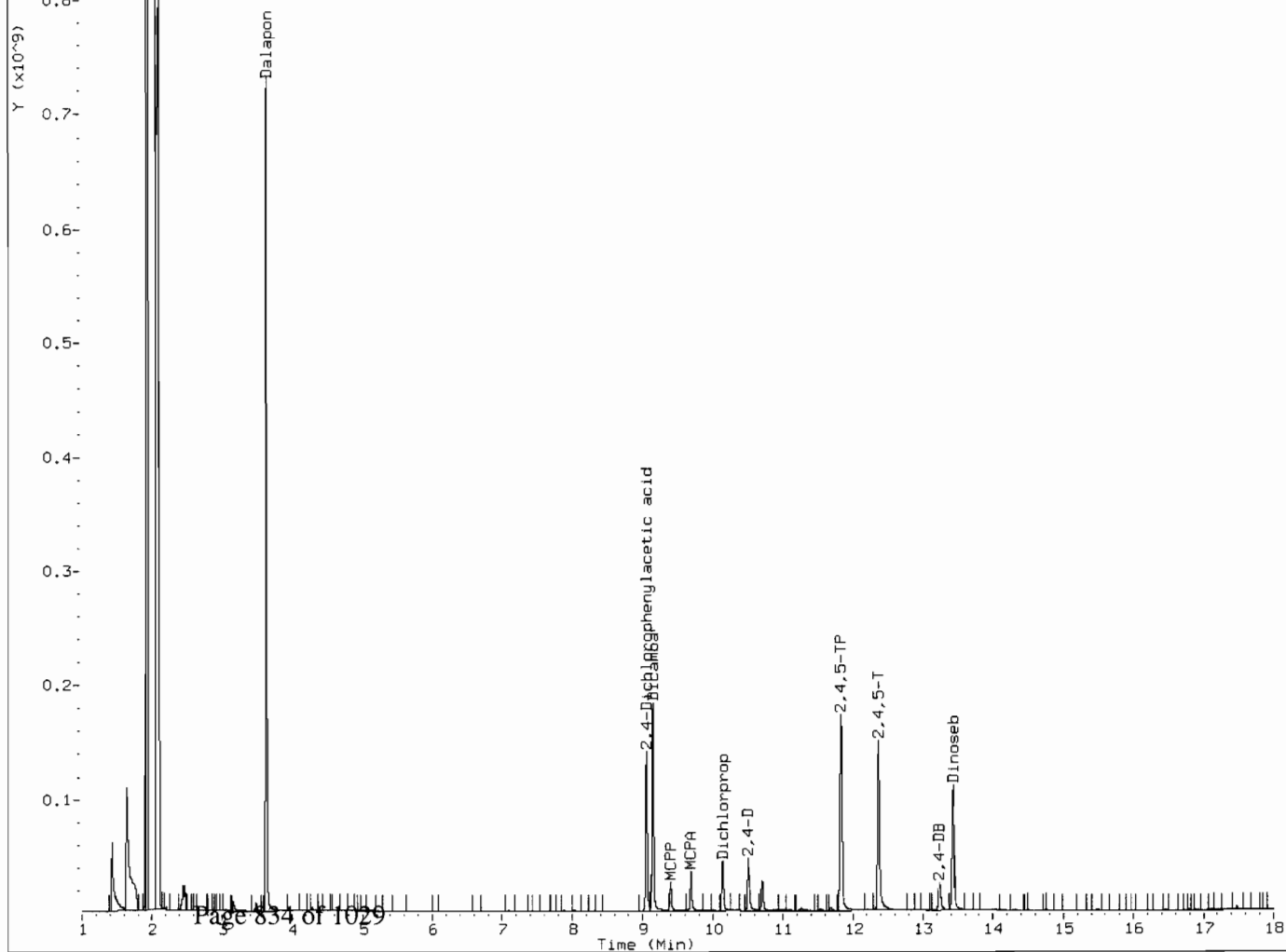
Data File: /chem/ecdb6a.i/010708.b/009f0901.d
Date: 07-JUN-2008 18:13
Client ID: HSTD06
Sample Info: IWH8071227-06
Column phase: DB-XLB

Instrument: ecdb6a.i
Operator: ghy
Column diameter: 0.25

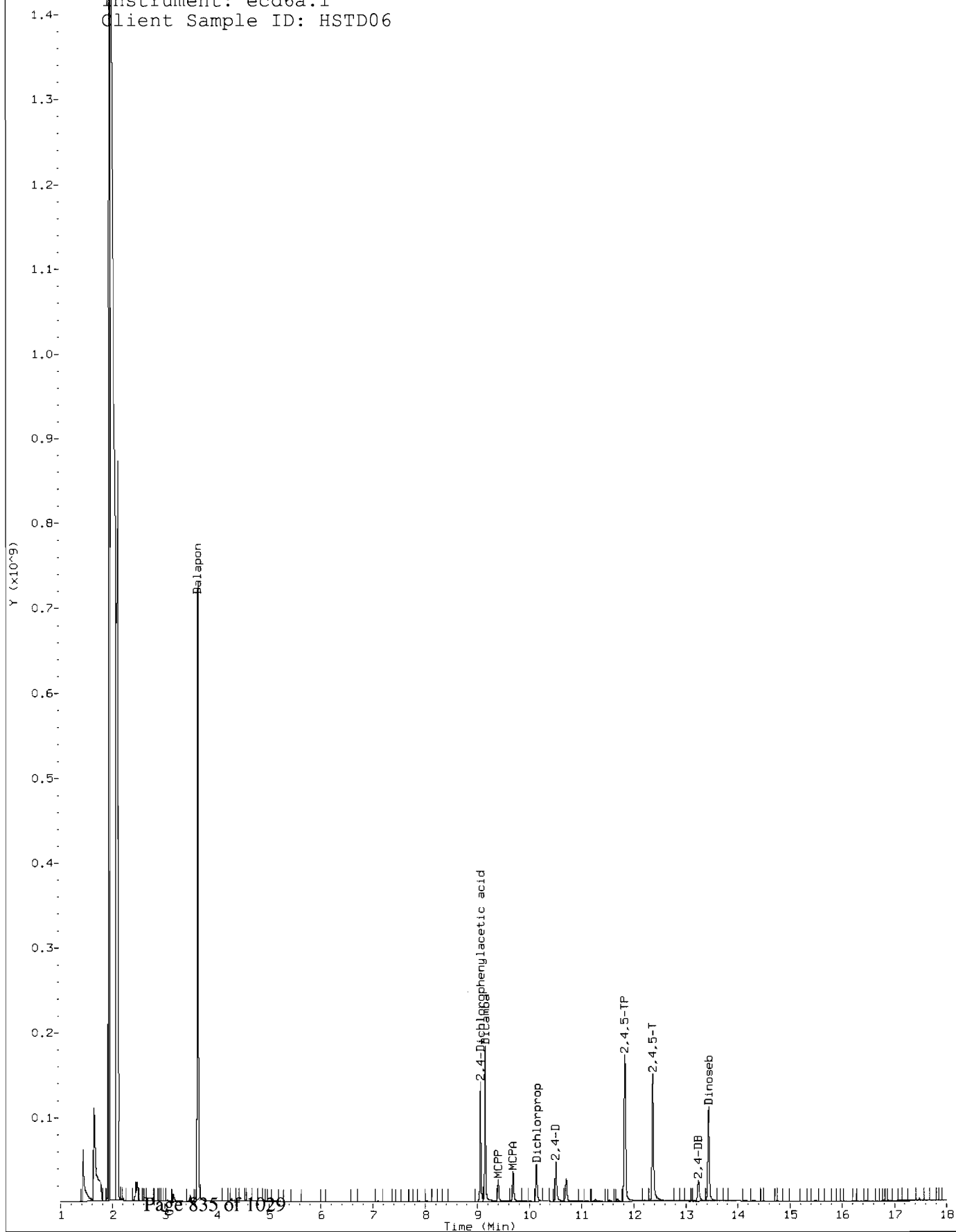
Page 1



Comment: Manually Integrated
Data File: /chem/ecd6a.i/010708.b/009f0901.d
Operator: AMY
Injection Date: 07-JAN-2008 18:13
Instrument: ecd6a.i
Client Sample ID: HSTD06



Comment: Before manual integration
Data File: /chem/ecd6a.i/010708.b/orig-009f0901.d
Operator: AMY
Injection Date: 07-JAN-2008 18:13
Instrument: ecd6a.i
Client Sample ID: HSTD06



GEL Laboratories LLC

Column: DB-17MS 0.25mm x 30 m Inj Vol: 2ul
Data file : /chem/ecd6a.i/010708.b/009b0901.d
Lab Smp Id: WHB071227-06 Client Smp ID: HSTD06
Inj Date : 07-JAN-2008 18:13
Operator : AMY Inst ID: ecd6a.i
Smp Info : |WHB071227-06
Misc Info : ICAL LVL6
Comment : 60 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/010708.b/ECD6-B-51A-010708.m
Meth Date : 10-Jan-2008 14:10 amy01291 Quant Type: ESTD
Cal Date : 07-JAN-2008 18:13 Cal File: 009b0901.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS					
		CAL-AMT		ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
1 Dalapon					
3.909	3.911	-0.002	1083487533 3000.00	CAS #: 88-85-7 3390	(M)
2 2,4-Dichlorophenylacetic acid					
9.656	9.657	-0.001	251428663 750.000	CAS #: 19719-28-9 663	
3 MCPP					
9.874	9.874	0.000	54709990 30000.0	CAS #: 7085-19-0 30100	(A)
4 Dicamba					
9.925	9.926	-0.001	300447289 300.000	CAS #: 6597-78-0 267	
5 MCPA					
10.398	10.400	-0.002	90624948 30000.0	CAS #: 94-74-6 30500	(A)
6 Dichlorprop					
10.757	10.760	-0.003	98526203 300.000	CAS #: 120-36-5 265	
7 2,4-D					
11.446	11.446	0.000	114666089 300.000	CAS #: 94-75-7 280	
8 2,4,5-TP					
12.421	12.422	-0.001	466025002 300.000	CAS #: 93-72-1 272	
9 2,4,5-T					
13.330	13.329	0.001	411129522 300.000	CAS #: 93-76-5 282	

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
10 Dinoseb			CAS #: 88-85-7		
13.623	13.624	-0.001	310532591	300.000	280

11 2,4-DB			CAS #: 94-82-6		
14.071	14.071	0.000	66382632	300.000	263

QC Flag Legend

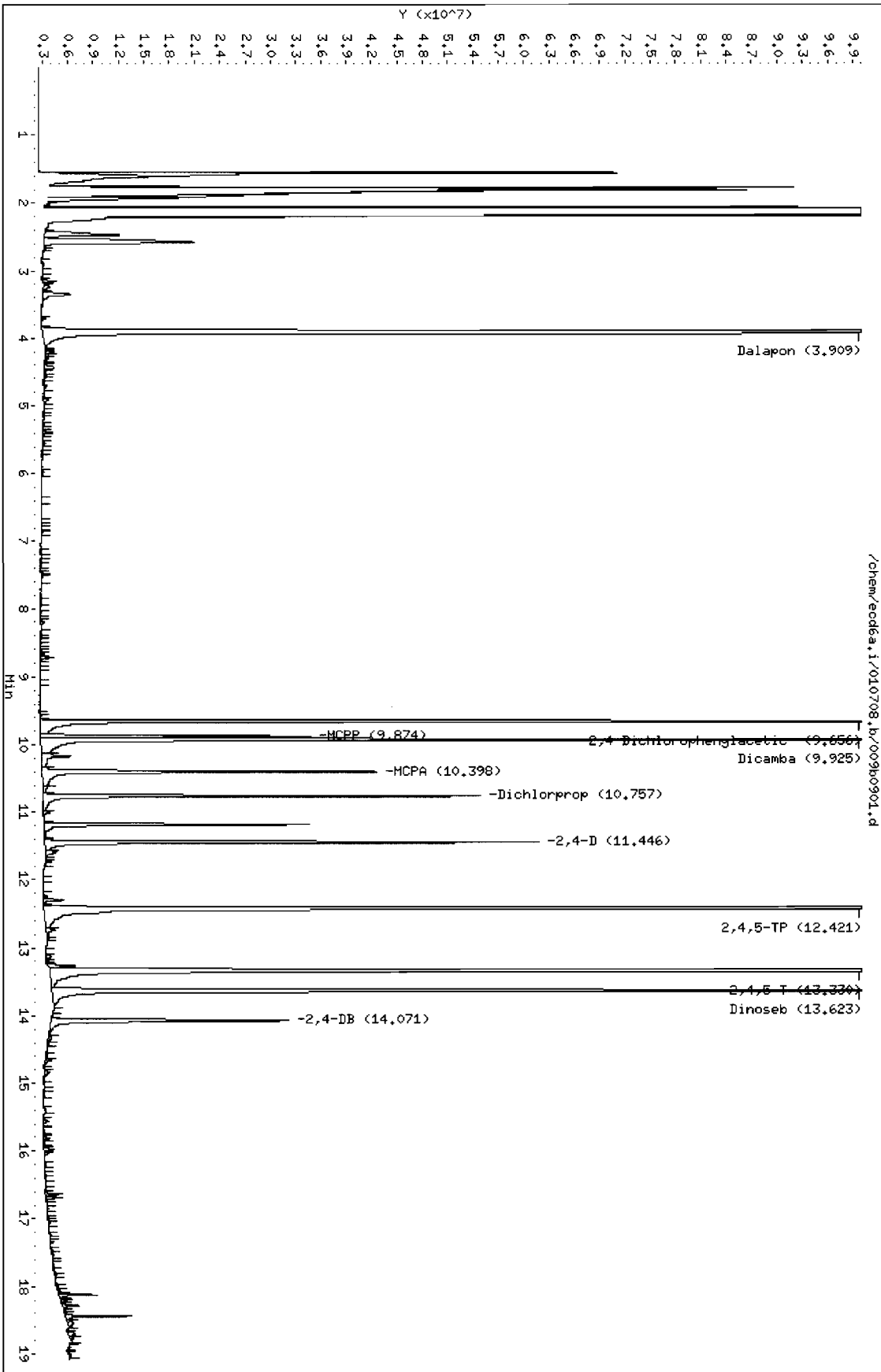
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File: /chem/ecdk6a.i/010708.b/009b0901.d
Date : 07-JAN-2008 18:13
Client ID: HSTD06
Sample Info: LMHB071227-06

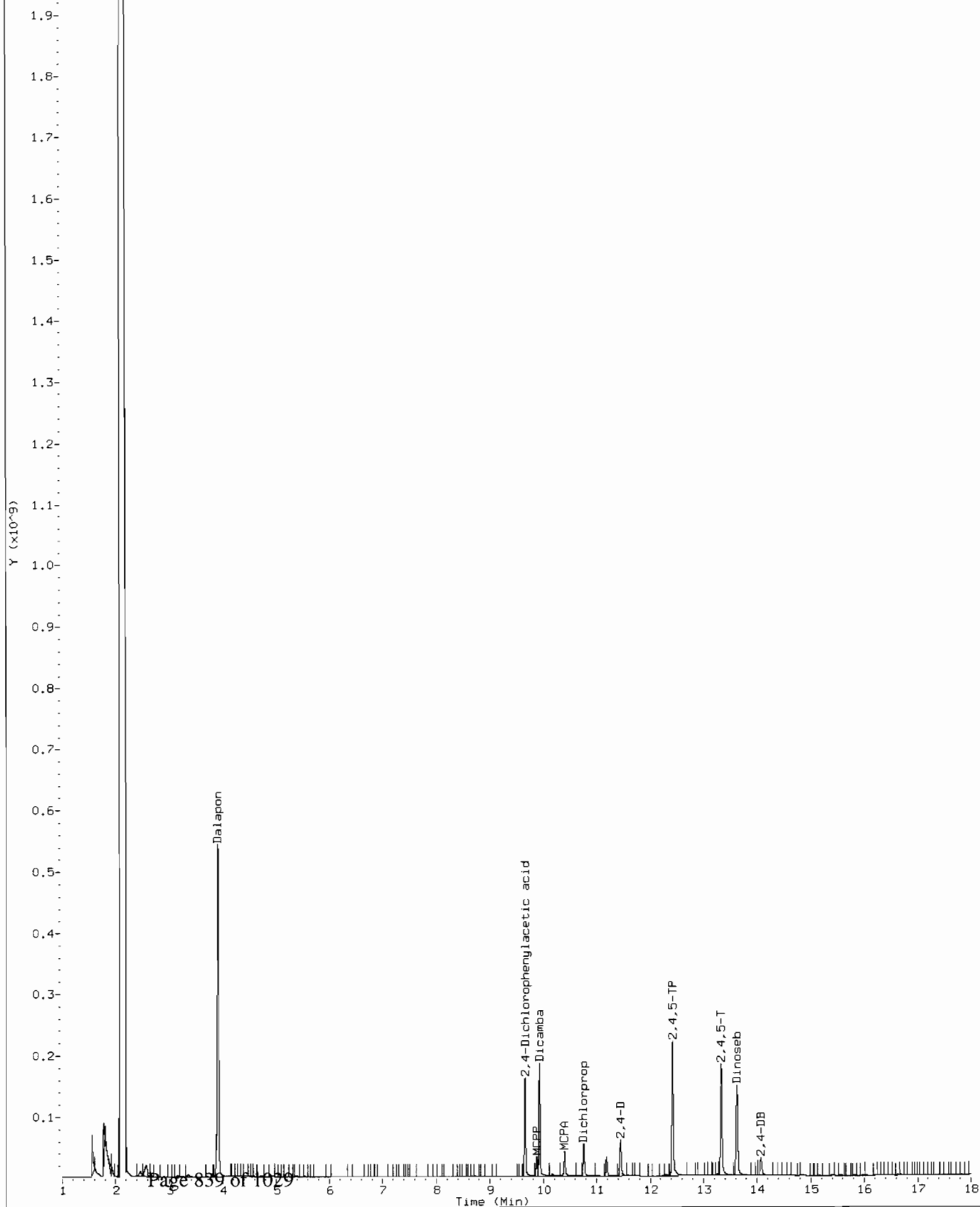
Page 1

Column phase: DB-17HS

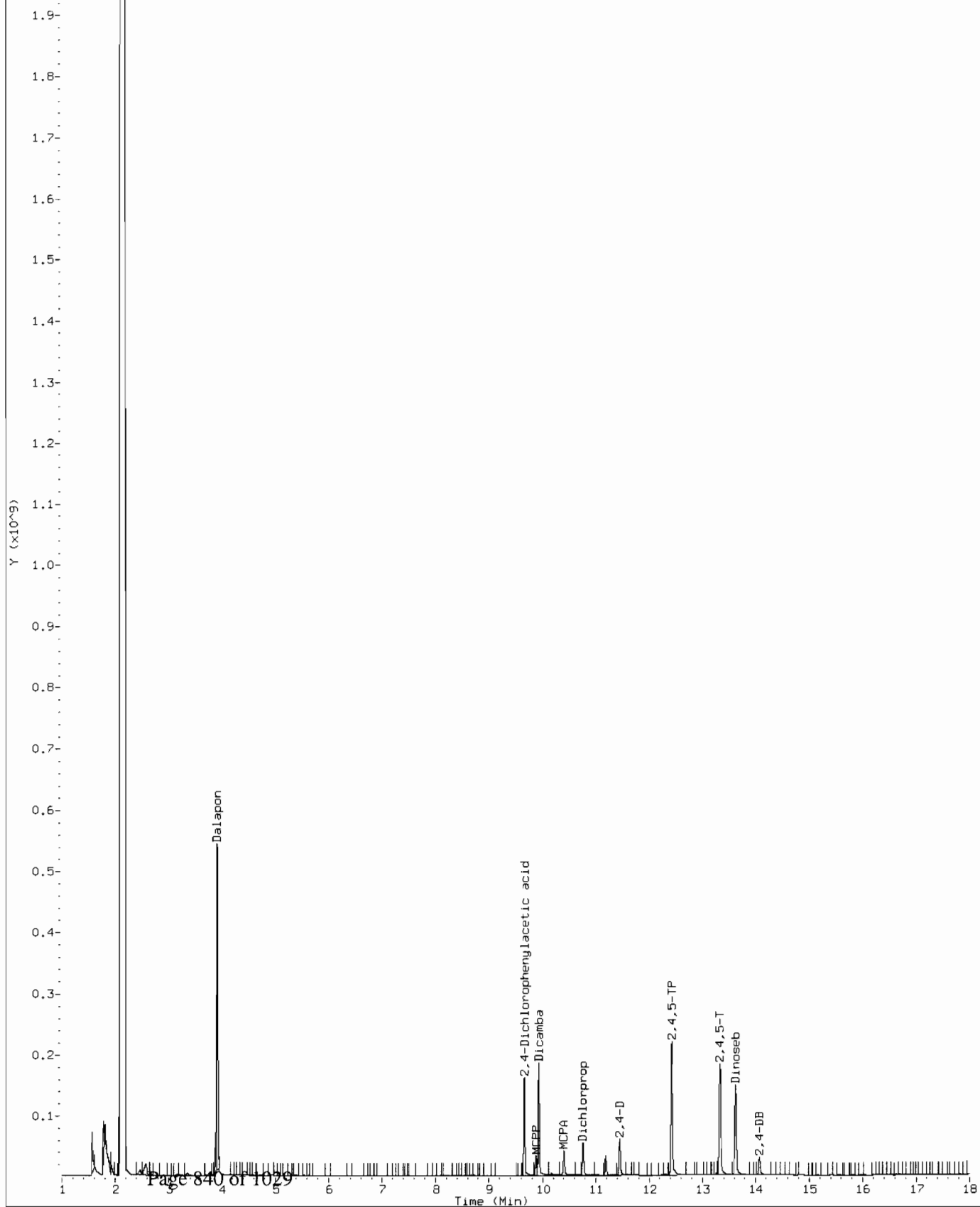
Instrument: ecdk6a.i
Operator: RHY
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd6a.i/010708.b/009b0901.d
Operator: AMY
Injection Date: 07-JAN-2008 18:13
Instrument: ecd6a.i
Client Sample ID: HSTD06



Comment: Before manual integration
Data File: /chem/ecd6a.i/010708.b/orig-009b0901.d
Operator: AMY
Injection Date: 07-JAN-2008 18:13
Instrument: ecd6a.i
Client Sample ID: HSTD06



GEL Laboratories LLC

Column: DB-XLB 0.25mm x 30 m Inj Vol: 2 ul
Data file : /chem/ecd6a.i/010708.b/010f1001.d
Lab Smp Id: WHB071227-07 Client Smp ID: HSTD07
Inj Date : 07-JAN-2008 18:40
Operator : AMY Inst ID: ecd6a.i
Smp Info : |WHB071227-07
Misc Info : ICAL LVL7
Comment : 50 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/010708.b/ECD6-F-51A-010708.m
Meth Date : 21-Jan-2008 07:49 jc Quant Type: ESTD
Cal Date : 07-JAN-2008 18:40 Cal File: 010f1001.d
Als bottle: 10 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: kilroy

AMOUNTS					
		CAL-AMT		ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
=====					
1 Dalapon					
3.632	3.636	-0.004	1257718310 4000.00	CAS #: 75-99-0 4820	(AM)

\$ 2 2,4-Dichlorophenylacetic acid					
9.052	9.056	-0.004	277739565 1000.00	CAS #: 19719-28-9 886	(M)

3 Dicamba					
9.052	9.147	-0.095	277739565 400.000	CAS #: 6597-78-0 273	(TM)

4 MCPP					
9.398	9.400	-0.002	57366009 40000.0	CAS #: 7085-19-0 38400	(AM)

5 MCPA					
9.683	9.684	-0.001	83269072 40000.0	CAS #: 94-74-6 39100	(A)

6 Dichlorprop					
10.135	10.138	-0.003	105655539 400.000	CAS #: 120-36-5 339	

7 2,4-D					
10.504	10.507	-0.003	127733884 400.000	CAS #: 94-75-7 377	

8 2,4,5-TP					
11.824	11.826	-0.002	489284647 400.000	CAS #: 93-72-1 359	(M)

9 2,4,5-T					
12.360	12.363	-0.003	475999744 400.000	CAS #: 93-76-5 395	

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
10 2,4-DB			CAS #: 94-82-6		
13.235	13.237	-0.002	80439153	400.000	367

11 Dinoseb			CAS #: 88-85-7		
13.429	13.432	-0.003	330315394	400.000	376

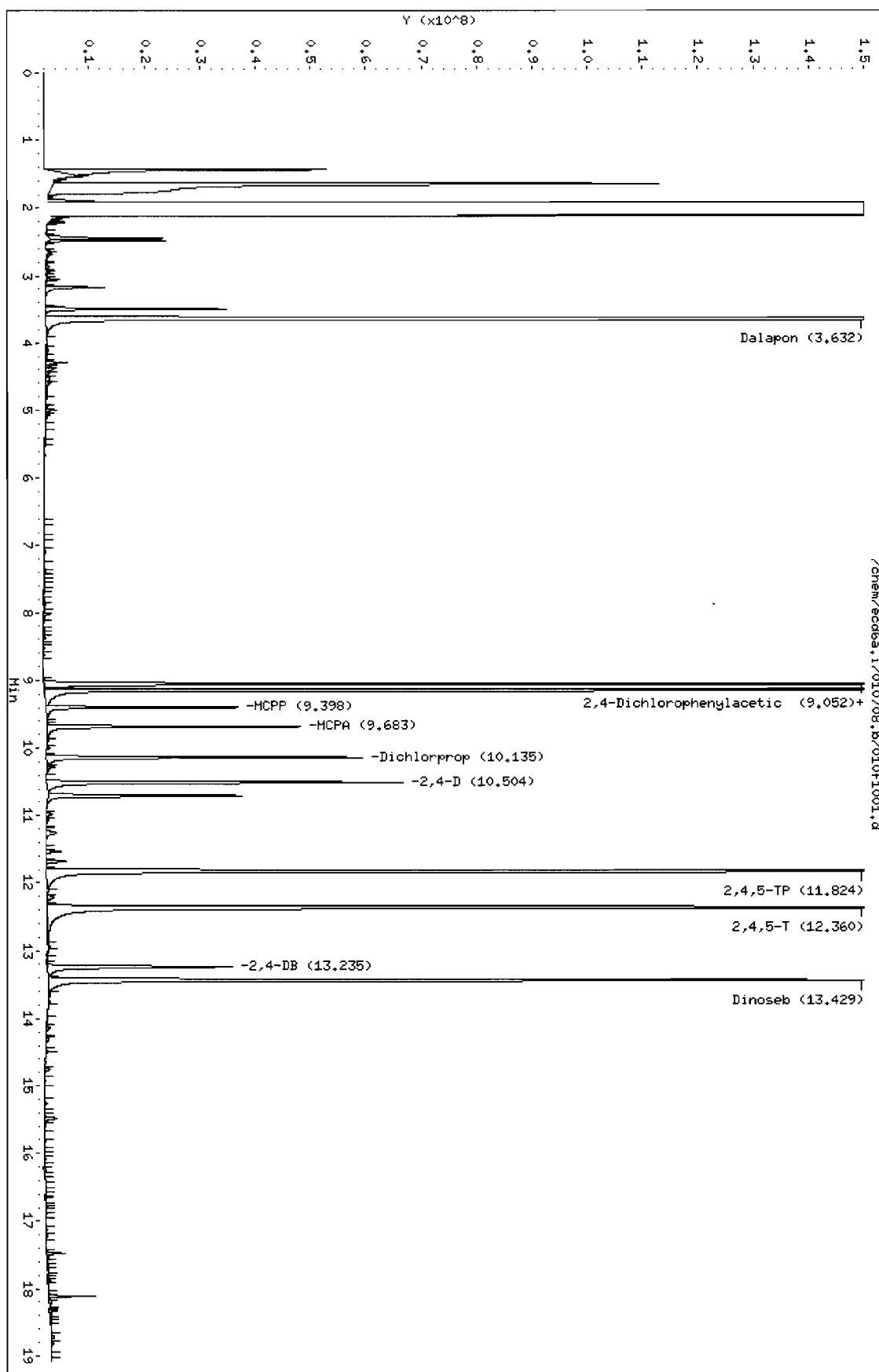
QC Flag Legend

T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

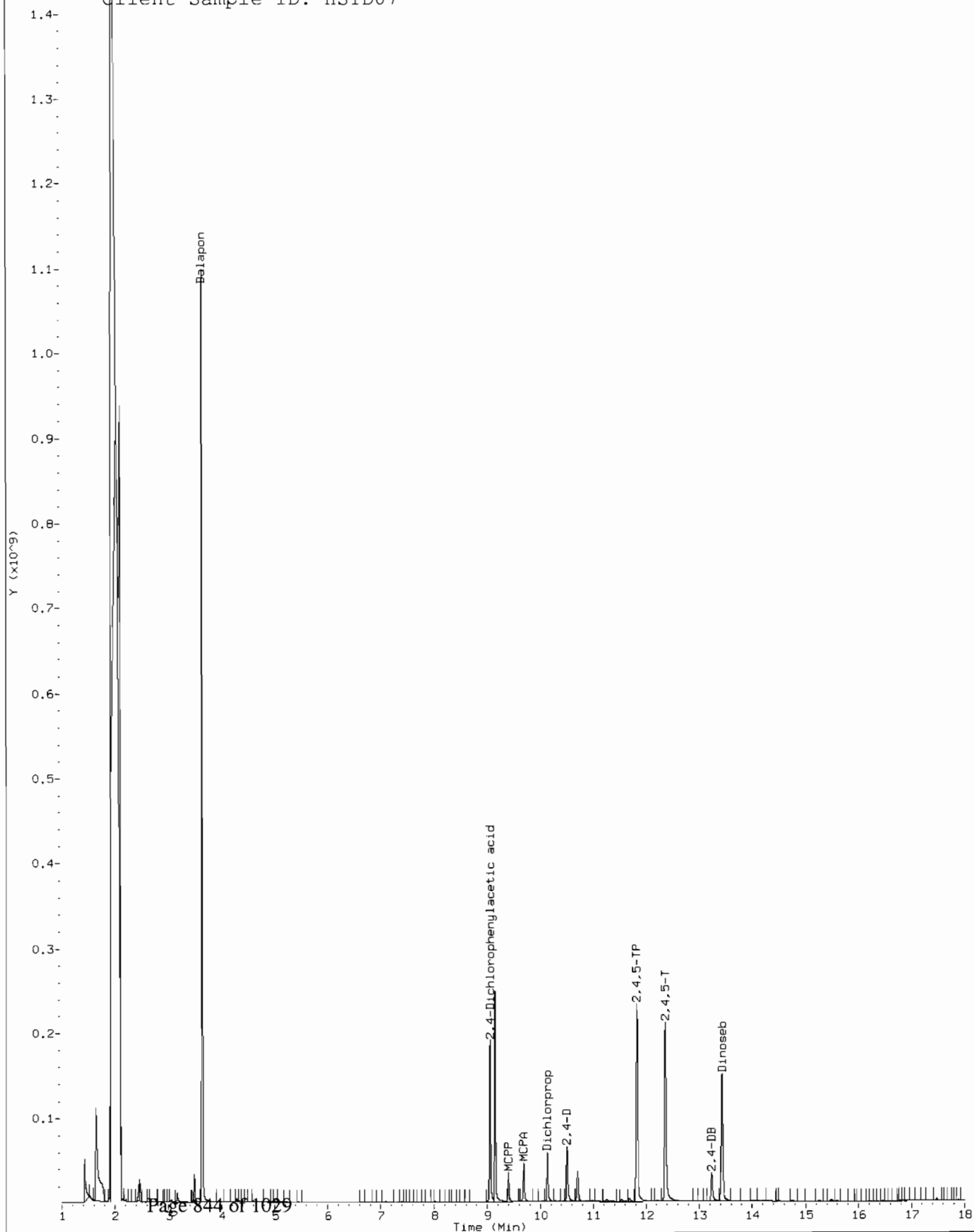
Data File: /chem/ecod6a.i/010708.b/010f1001.d
Date : 07-JAN-2008 18:40
Client ID: HSTD07
Sample Info: 14HB071227-07
Column phase: DB-XLB

Instrument: ecod6a.i
Operator: AMY
Column diameter: 0.25

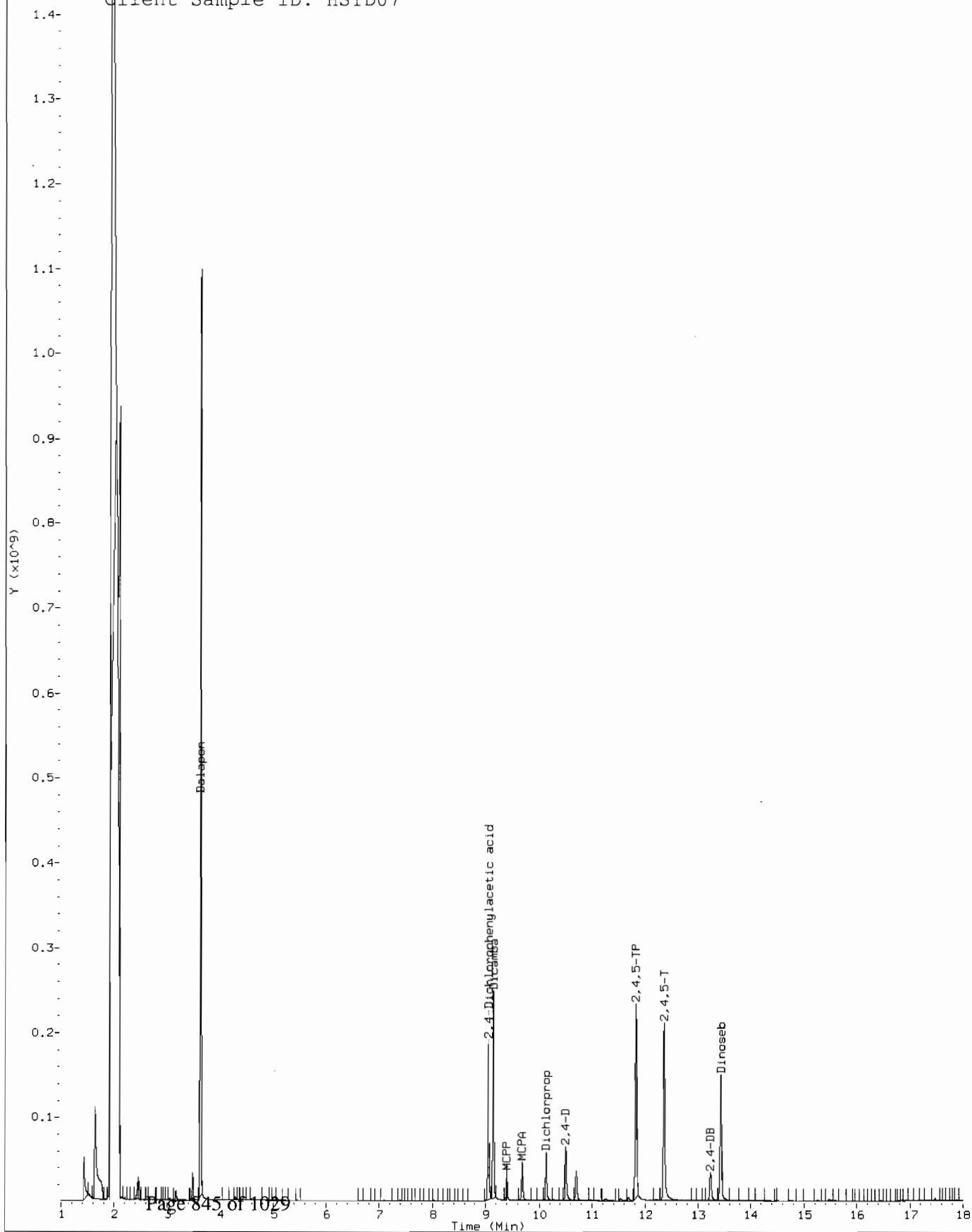
Page 1



Comment: Manually Integrated
Data File: /chem/ecd6a.i/010708.b/010f1001.d
Operator: AMY
Injection Date: 07-JAN-2008 18:40
Instrument: ecd6a.i
Client Sample ID: HSTD07



Comment: Before manual integration
Data File: /chem/ecd6a.i/010708.b/orig-010f1001.d
Operator: AMY
Injection Date: 07-JAN-2008 18:40
Instrument: ecd6a.i
Client Sample ID: HSTD07



GEL Laboratories LLC

Column: DB-17MS 0.25mm x 30 m Inj Vol: 2ul
 Data file : /chem/ecd6a.i/010708.b/010b1001.d
 Lab Smp Id: WHB071227-07 Client Smp ID: HSTD07
 Inj Date : 07-JAN-2008 18:40
 Operator : AMY Inst ID: ecd6a.i
 Smp Info : |WHB071227-07
 Misc Info : ICAL LVL7
 Comment : 60 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
 Method : /chem/ecd6a.i/010708.b/ECD6-B-51A-010708.m
 Meth Date : 10-Jan-2008 14:10 amy01291 Quant Type: ESTD
 Cal Date : 07-JAN-2008 18:40 Cal File: 010b1001.d
 Als bottle: 10 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ug/L)	(ug/L)
==	=====	=====	=====	=====	=====	=====
1	Dalapon				CAS #: 88-85-7	
3.908	3.911	-0.003	1579353707	4000.00	5360	(AM)

\$ 2	2,4-Dichlorophenylacetic acid				CAS #: 19719-28-9	
9.654	9.657	-0.003	333655855	1000.00	880	

3	MCPD				CAS #: 7085-19-0	
9.874	9.874	0.000	68468172	40000.0	39500	(A)

4	Dicamba				CAS #: 6597-78-0	
9.924	9.926	-0.002	400529278	400.000	356	

5	MCPA				CAS #: 94-74-6	
10.399	10.400	-0.001	111820080	40000.0	38900	(A)

6	Dichlorprop				CAS #: 120-36-5	
10.757	10.760	-0.003	128979397	400.000	346	

7	2,4-D				CAS #: 94-75-7	
11.443	11.446	-0.003	154083627	400.000	377	

8	2,4,5-TP				CAS #: 93-72-1	
12.421	12.422	-0.001	620628451	400.000	362	

9	2,4,5-T				CAS #: 93-76-5	
13.328	13.329	-0.001	560469120	400.000	384	

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
10 Dinoseb			CAS #: 88-85-7		
13.623	13.624	-0.001	411780521	400.000	372

11 2,4-DB			CAS #: 94-82-6		
14.070	14.071	-0.001	87166900	400.000	346

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File: /chem/ecod6a.i/010708.b/010b1001.d

Date : 07-JAN-2008 18:40

Client ID: HSTD07

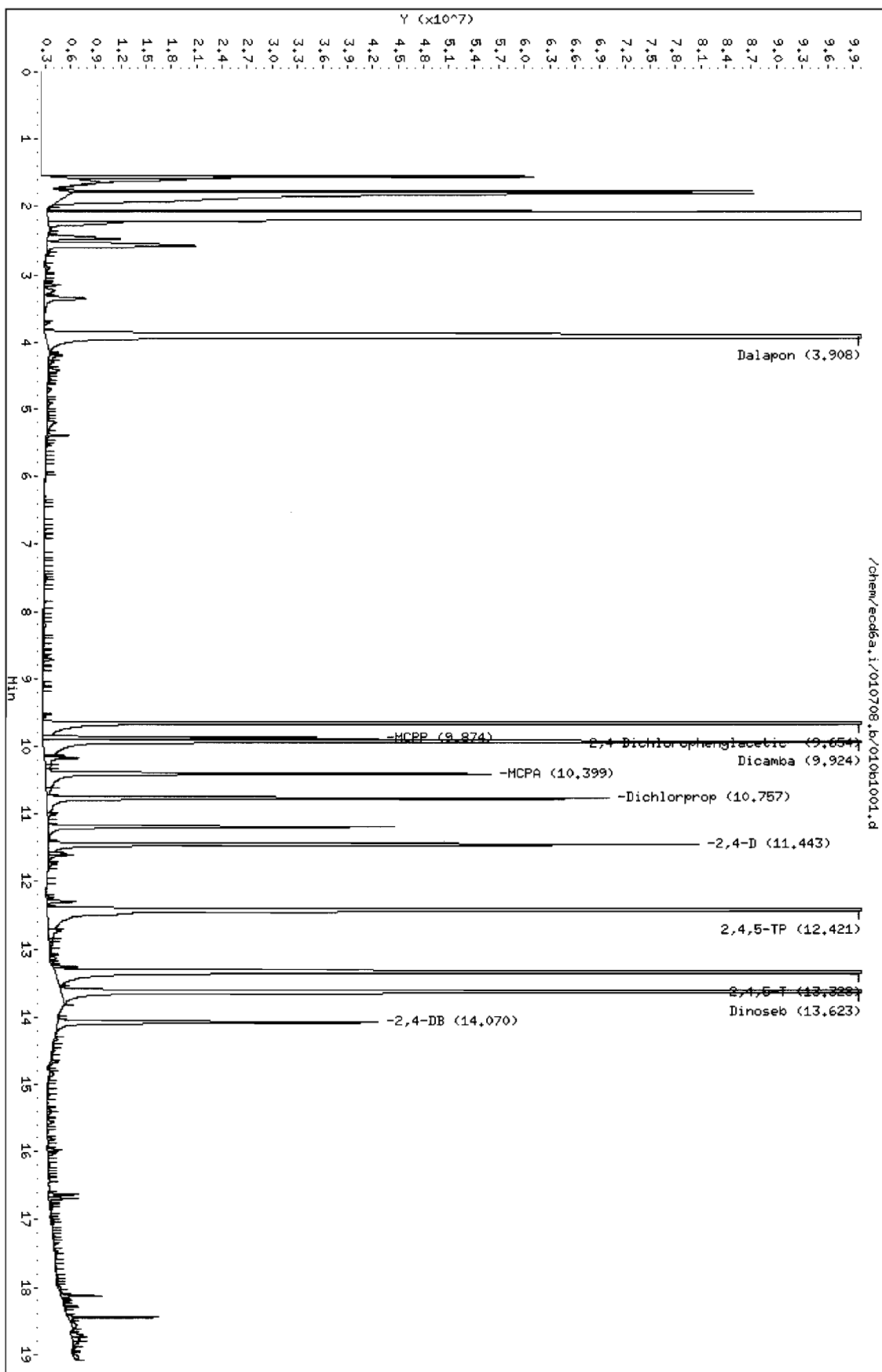
Sample Info: IMHB071227-07

Column phase: DB-17HS

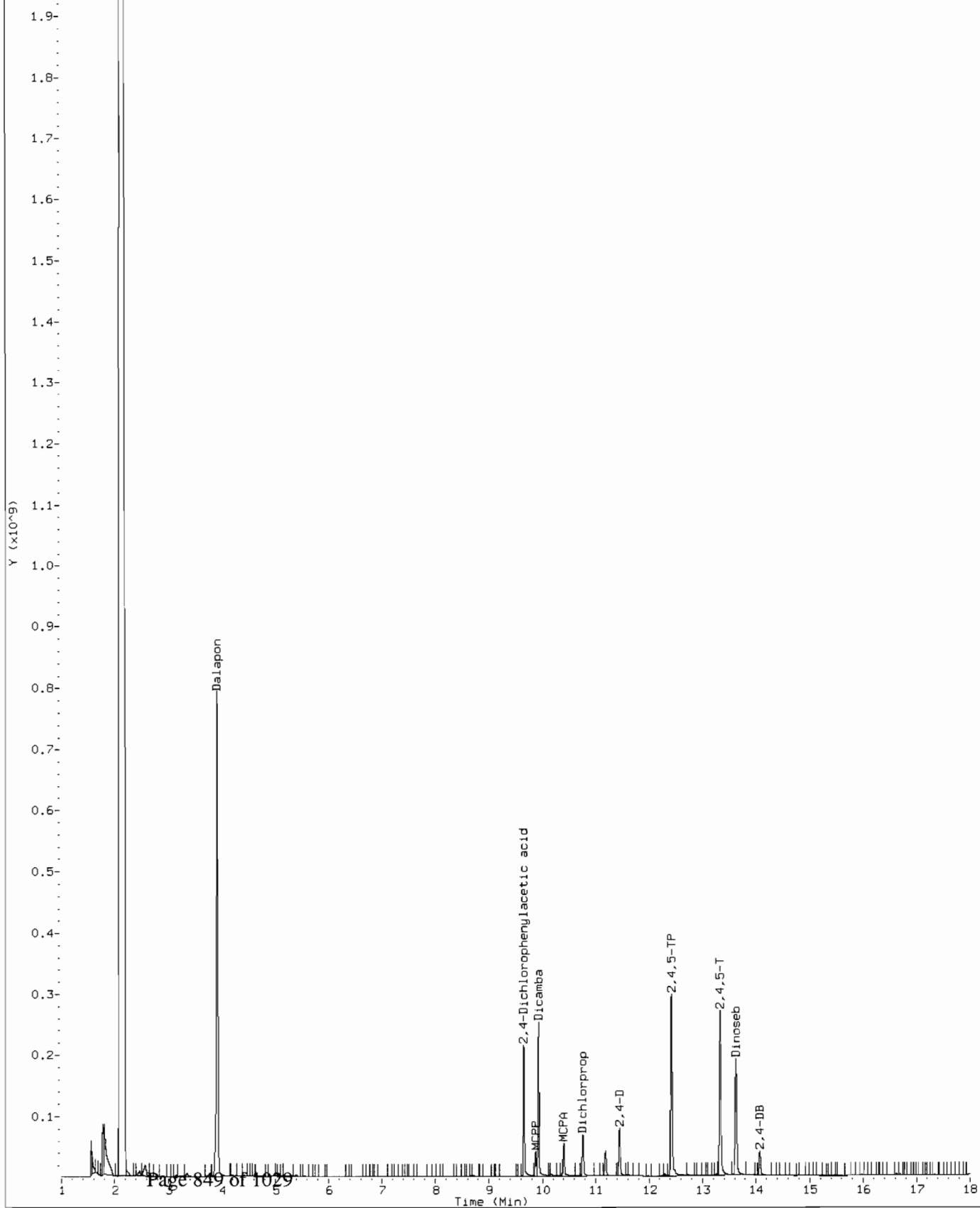
Instrument: ecod6a.i

Operator: RHY

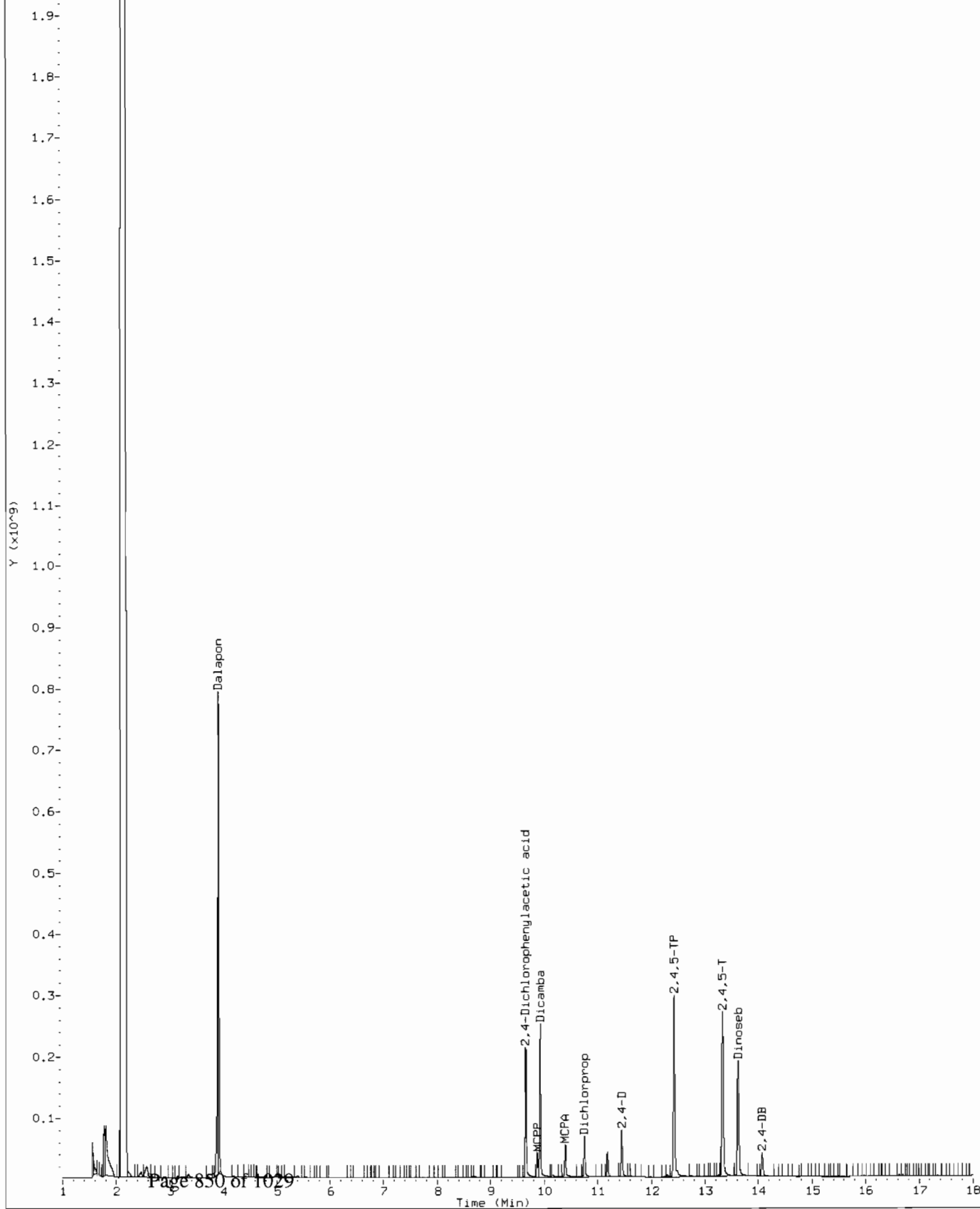
Column diameter: 0.25



Comment: Manually Integrated
Data File: /chem/ecd6a.i/010708.b/010b1001.d
Operator: AMY
Injection Date: 07-JAN-2008 18:40
Instrument: ecd6a.i
Client Sample ID: HSTD07



Comment: Before manual integration
Data File: /chem/ecd6a.i/010708.b/orig-010b1001.d
Operator: AMY
Injection Date: 07-JAN-2008 18:40
Instrument: ecd6a.i
Client Sample ID: HSTD07



FORM 7
HERBICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD6A Calibration Date: 01/21/08 Time: 1341
 Lab File ID: 003F0301 Init. Calib. Date(s): 01/07/08 01/07/08
 Heated Purge: (Y/N) N Init. Calib. Times: 1601 1840
 GC Column: DB-XLB ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL200 AMOUNT	CURVE	%D	MAX %d
=====	=====	=====	=====	=====	=====
2,4-D	189	200	AVRG	-5.5	15.0
2,4,5-T	187	200	AVRG	-6.5	15.0
2,4,5-TP	190	200	AVRG	-5.0	15.0
=====	=====	=====	=====	=====	=====
2,4-Dichlorophenylacetic aci	456	500	AVRG	-8.8	15.0

FORM VII HERBICIDE

FORM 7
HERBICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD6A Calibration Date: 01/21/08 Time: 1341
 Lab File ID: 003B0301 Init. Calib. Date(s): 01/07/08 01/07/08
 Heated Purge: (Y/N) N Init. Calib. Times: 1601 1840
 GC Column: DB-17MS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL200 AMOUNT	CURVE	%D	MAX %d
=====	=====	=====	=====	=====	=====
2,4-D	183	200	AVRG	-8.5	15.0
2,4,5-T	182	200	AVRG	-9.0	15.0
2,4,5-TP	184	200	AVRG	-8.0	15.0
=====	=====	=====	=====	=====	=====
2,4-Dichlorophenylacetic aci	447	500	AVRG	-10.6	15.0

FORM VII HERBICIDE

FORM 7
HERBICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD6A Calibration Date: 01/21/08 Time: 1731
 Lab File ID: 010F1001 Init. Calib. Date(s): 01/07/08 01/07/08
 Heated Purge: (Y/N) N Init. Calib. Times: 1601 1840
 GC Column: DB-XLB ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL200 AMOUNT	CURVE	%D	MAX %d
=====	=====	=====	=====	=====	=====
2,4-D	187	200	AVRG	-6.5	15.0
2,4,5-T	186	200	AVRG	-7.0	15.0
2,4,5-TP	189	200	AVRG	-5.5	15.0
=====	=====	=====	=====	=====	=====
2,4-Dichlorophenylacetic aci	458	500	AVRG	-8.4	15.0

FORM VII HERBICIDE

FORM 7
HERBICIDE CONTINUING CALIBRATION CHECK

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226
 Instrument ID: ECD6A Calibration Date: 01/21/08 Time: 1731
 Lab File ID: 010B1001 Init. Calib. Date(s): 01/07/08 01/07/08
 Heated Purge: (Y/N) N Init. Calib. Times: 1601 1840
 GC Column: DB-17MS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL200 AMOUNT	CURVE	%D	MAX %d
=====	=====	=====	=====	=====	=====
2,4-D	178	200	AVRG	-11.0	15.0
2,4,5-T	181	200	AVRG	-9.5	15.0
2,4,5-TP	182	200	AVRG	-9.0	15.0
=====	=====	=====	=====	=====	=====
2,4-Dichlorophenylacetic aci	445	500	AVRG	-11.0	15.0

FORM VII HERBICIDE

GEL Laboratories LLC

Column: DB-XLB 0.25mm x 30 m Inj Vol: 2 ul
 Data file : /chem/ecd6a.i/012108.b/003f0301.d
 Lab Smp Id: WHB071227-08 Ck Client Smp ID: HSTD01
 Inj Date : 21-JAN-2008 13:41
 Operator : AMY Inst ID: ecd6a.i
 Smp Info : |WHB071227-08 Ck
 Misc Info : Check
 Comment : 50 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
 Method : /chem/ecd6a.i/012108.b/ECD6-F-51A-010708.m
 Meth Date : 04-Feb-2008 11:28 amy01291 Quant Type: ESTD
 Cal Date : 07-JAN-2008 16:54 Cal File: 006f0601.d
 Als bottle: 3 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: None

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
1 Dalapon				CAS #: 75-99-0	
3.614	3.614	0.000	399734876	2000.00	1530

2 2,4-Dichlorophenylacetic acid				CAS #: 19719-28-9	
9.032	9.032	0.000	142951283	500.000	456

3 Dicamba				CAS #: 6597-78-0	
9.122	9.122	0.000	203303822	200.000	200

4 MCPP				CAS #: 7085-19-0	
9.373	9.373	0.000	40842257	20000.0	25600

5 MCPA				CAS #: 94-74-6	
9.657	9.657	0.000	57462405	20000.0	25400

6 Dichlorprop				CAS #: 120-36-5	
10.111	10.111	0.000	58628488	200.000	188

7 2,4-D				CAS #: 94-75-7	
10.480	10.480	0.000	63971083	200.000	189

8 2,4,5-TP				CAS #: 93-72-1	
11.792	11.792	0.000	259156756	200.000	190

9 2,4,5-T				CAS #: 93-76-5	
12.330	12.330	0.000	225640539	200.000	187

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
10 2,4-DB			CAS #: 94-82-6		
13.203	13.203	0.000	41817784	200.000	191

11 Dinoseb			CAS #: 88-85-7		
13.395	13.395	0.000	173499545	200.000	197

Data File: /chem/ecd6a.i/012108.b/003f0301.d

Date: 21-JAN-2008 13:41

Client ID: HSTD01

Sample Info: 14HB071227-08 CK

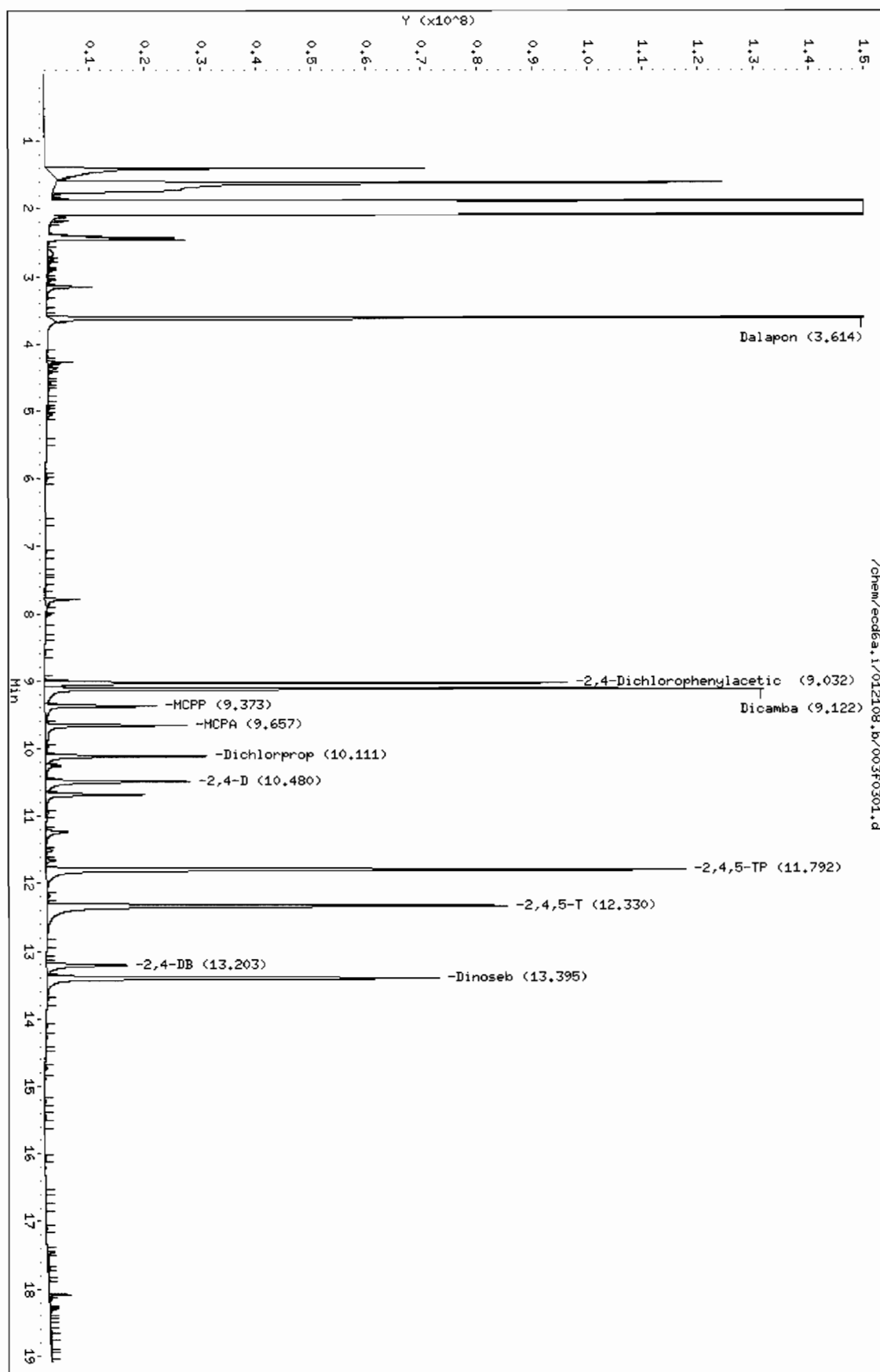
Column phase: DB-XLB

Instrument: ecd6a.i

Operator: RHY

Column diameter: 0.25

Page 1



GEL Laboratories LLC

Column: DB-17MS 0.25mm x 30 m Inj Vol: 2ul

Data file : /chem/ecd6a.i/012108.b/003b0301.d

Lab Smp Id: WHB071227-08 Ck

Client Smp ID: HSTD01

Inj Date : 21-JAN-2008 13:41

Operator : AMY

Inst ID: ecd6a.i

Smp Info : |WHB071227-08 Ck

Misc Info : Check

Comment : 60 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m

Method : /chem/ecd6a.i/012108.b/ECD6-B-51A-010708.m

Meth Date : 04-Feb-2008 11:26 amy01291 Quant Type: ESTD

Cal Date : 07-JAN-2008 16:01

Cal File: 004b0401.d

Als bottle: 3

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 3.50

Sample Matrix: None

AMOUNTS

			CAL-AMT		ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)	
==	=====	=====	=====	=====	=====	=====
1 Dalapon						
3.891	3.891	0.000	493103604	2000.00	1540	CAS #: 88-85-7

\$ 2 2,4-Dichlorophenylacetic acid						
9.641	9.641	0.000	169692371	500.000	447	CAS #: 19719-28-9

3 MCPP						
9.857	9.857	0.000	47318962	20000.0	25000	CAS #: 7085-19-0

4 Dicamba						
9.908	9.908	0.000	213025758	200.000	190	CAS #: 6597-78-0

5 MCPA						
10.382	10.382	0.000	78758386	20000.0	25900	CAS #: 94-74-6

6 Dichlorprop						
10.741	10.741	0.000	71625195	200.000	192	CAS #: 120-36-5

7 2,4-D						
11.427	11.427	0.000	74823668	200.000	183	CAS #: 94-75-7

8 2,4,5-TP						
12.399	12.399	0.000	314277485	200.000	184	CAS #: 93-72-1

9 2,4,5-T						
13.304	13.304	0.000	266319757	200.000	182	CAS #: 93-76-5

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
10 Dinoseb			CAS #: 88-85-7		
13.598	13.598	0.000	219320593	200.000	198

11 2,4-DB			CAS #: 94-82-6		
14.046	14.046	0.000	50476393	200.000	200

Data File: /chem/ecod6a.i/012108.b/00360301.d

Date : 21-JAN-2008 13:41

Client ID: HSTD01

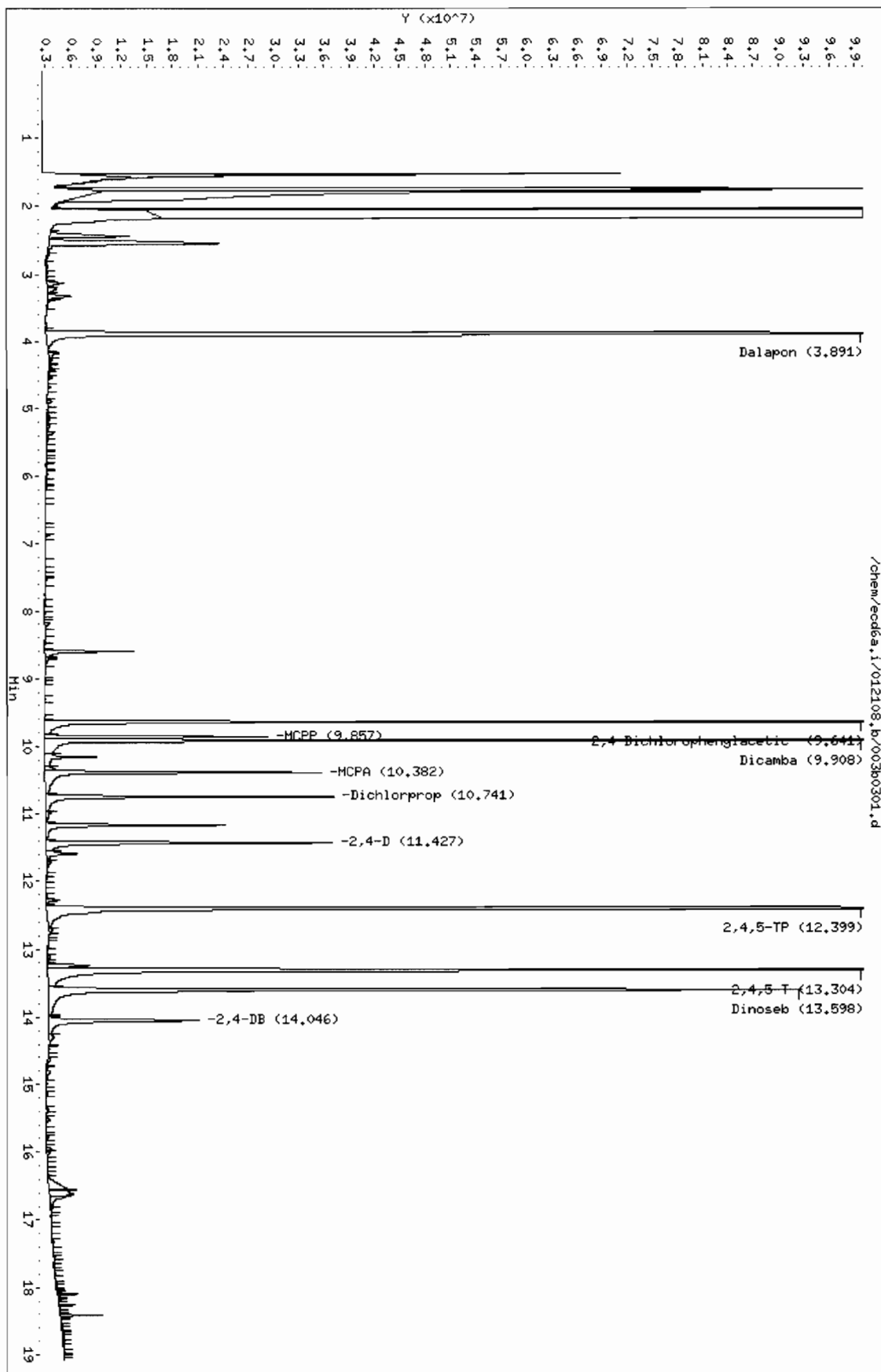
Sample Info: 1MH8071227-08 CK

Column phase: DB-17HS

Instrument: ecod6a.i

Operator: AHY

Column diameter: 0.25



GEL Laboratories LLC

Column: DB-XLB 0.25mm x 30 m Inj Vol: 2 ul
Data file : /chem/ecd6a.i/012108.b/010f1001.d
Lab Smp Id: WHB071227-08 Ck Client Smp ID: HSTD02
Inj Date : 21-JAN-2008 17:31
Operator : AMY Inst ID: ecd6a.i
Smp Info : |WHB071227-08 Ck
Misc Info : Check
Comment : 50 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/012108.b/ECD6-F-51A-010708.m
Meth Date : 04-Feb-2008 11:28 amy01291 Quant Type: ESTD
Cal Date : 07-JAN-2008 16:54 Cal File: 006f0601.d
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
1 Dalapon				CAS #: 75-99-0	
3.615	3.614	0.001	399783976	2000.00	1530

\$ 2	2,4-Dichlorophenylacetic acid			CAS #: 19719-28-9	
9.032	9.032	0.000	143517626	500.000	458

3 Dicamba				CAS #: 6597-78-0	
9.122	9.122	0.000	201494702	200.000	198

4 MCPP				CAS #: 7085-19-0	
9.374	9.373	0.001	39385792	20000.0	24500

5 MCPA				CAS #: 94-74-6	
9.657	9.657	0.000	54444508	20000.0	23800

6 Dichlorprop				CAS #: 120-36-5	
10.111	10.111	0.000	57242797	200.000	184

7 2,4-D				CAS #: 94-75-7	
10.479	10.480	-0.001	63325834	200.000	187

8 2,4,5-TP				CAS #: 93-72-1	
11.794	11.792	0.002	258021779	200.000	189

9 2,4,5-T				CAS #: 93-76-5	
12.330	12.330	0.000	224375726	200.000	186

AMOUNTS						
			CAL-AMT		ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====	
10 2,4-DB			CAS #: 94-82-6			
13.203	13.203	0.000	43382340	200.000	198	

11 Dinoseb			CAS #: 88-85-7			
13.396	13.395	0.001	175372350	200.000	199	

Data File: /chem/ecodea.i/012108.b/010f1001.d

Date : 21-JAN-2008 17:31

Client ID: HSTD02

Sample Info: 14HB071227-08 CK

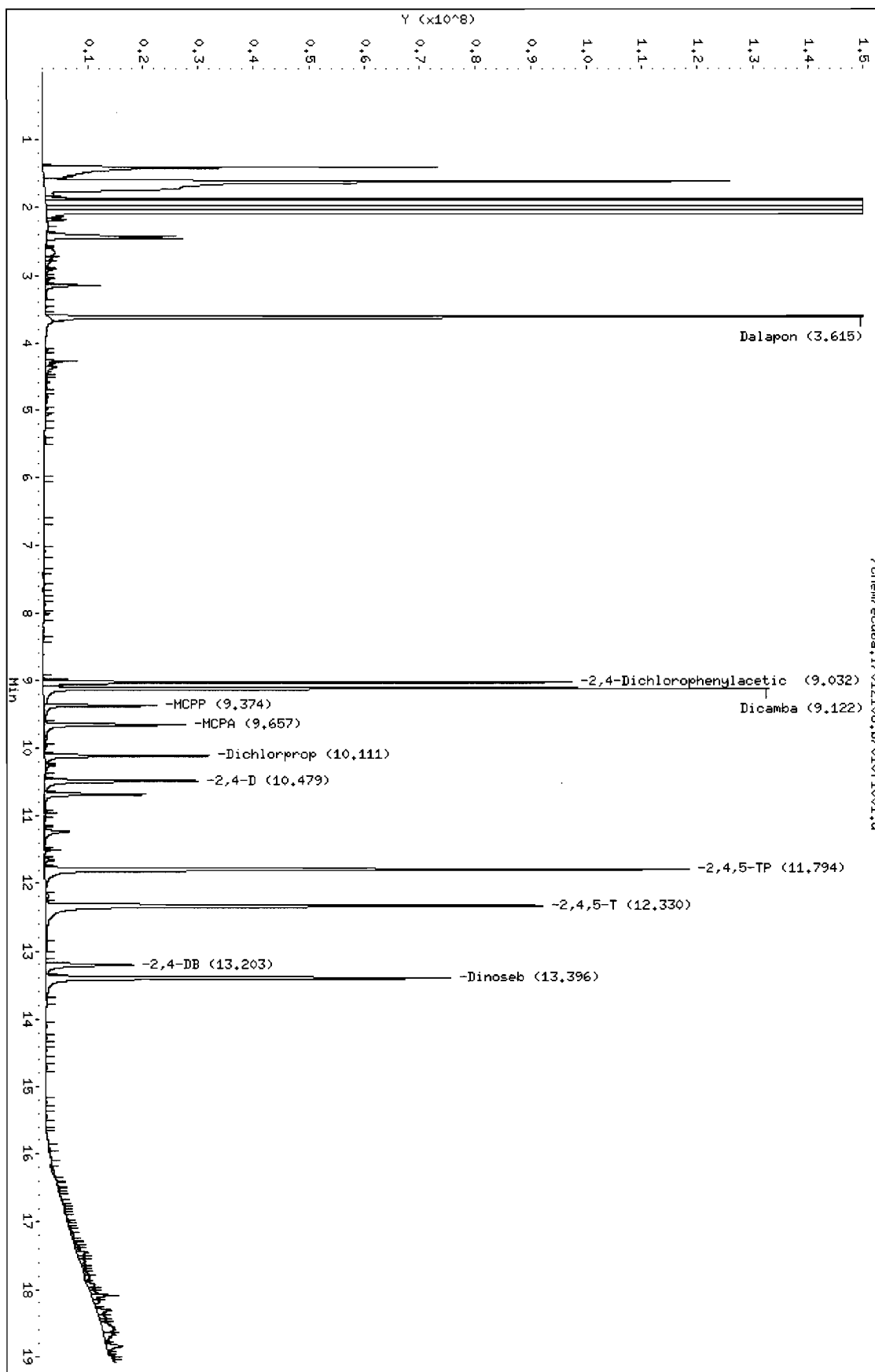
Page 1

Column phase: DB-XLB

Instrument: ecodea.i

Operator: AMY

Column diameter: 0.25



GEL Laboratories LLC

Column: DB-17MS 0.25mm x 30 m Inj Vol: 2ul
Data file : /chem/ecd6a.i/012108.b/010b1001.d
Lab Smp Id: WHB071227-08 Ck Client Smp ID: HSTD02
Inj Date : 21-JAN-2008 17:31
Operator : AMY Inst ID: ecd6a.i
Smp Info : |WHB071227-08 Ck
Misc Info : Check
Comment : 60 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/012108.b/ECD6-B-51A-010708.m
Meth Date : 04-Feb-2008 11:26 amy01291 Quant Type: ESTD
Cal Date : 07-JAN-2008 16:01 Cal File: 004b0401.d
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
1 Dalapon					
3.892	3.891	0.001	494362190	2000.00	CAS #: 88-85-7 1550

\$ 2 2,4-Dichlorophenylacetic acid					
9.641	9.641	0.000	168645844	500.000	CAS #: 19719-28-9 445

3 MCPP					
9.857	9.857	0.000	45868380	20000.0	CAS #: 7085-19-0 24000

4 Dicamba					
9.909	9.908	0.001	208943283	200.000	CAS #: 6597-78-0 186

5 MCPA					
10.382	10.382	0.000	64110369	20000.0	CAS #: 94-74-6 20100

6 Dichlorprop					
10.742	10.741	0.001	65631399	200.000	CAS #: 120-36-5 176

7 2,4-D					
11.427	11.427	0.000	72821685	200.000	CAS #: 94-75-7 178

8 2,4,5-TP					
12.400	12.399	0.001	312608941	200.000	CAS #: 93-72-1 182

9 2,4,5-T					
13.305	13.304	0.001	263785111	200.000	CAS #: 93-76-5 181

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
**	*****	*****	*****	*****	*****
10 Dinoseb			CAS #: 88-85-7		
13.597	13.598	-0.001	221418823	200.000	200

11 2,4-DB			CAS #: 94-82-6		
14.046	14.046	0.000	52939549	200.000	210

Data File: /chem/ecod6a.i/012108.b/010b1001.d

Date: 21-JAN-2008 17:31

Client ID: HSTD02

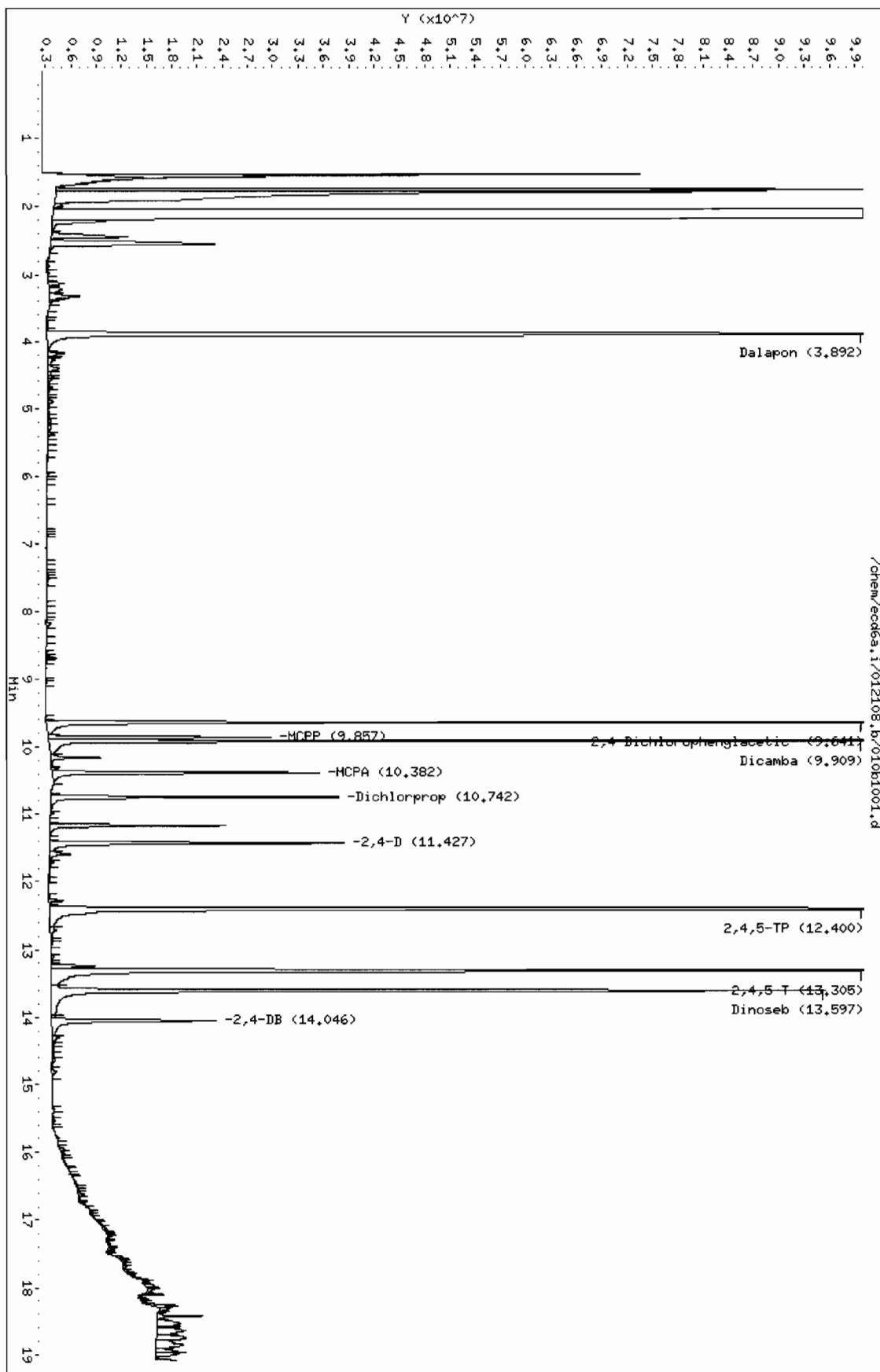
Sample Info: 1MH8071227-08 CK

Column phase: DB-17MS

Instrument: ecod6a.i

Operator: RMV

Column diameter: 0.25



FORM 8
HERBICIDE ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: DB-XLB ID: 0.25 (mm) Init. Calib. Date(s): 01/07/08 01/07/08

Instrument ID: ECD6A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
S1 : 9.06						
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	RT
=====	=====	=====	=====	=====		=====
01	HIBLK01	WHB071227-02	01/07/08	1441	9.07	
02	ZZZZZ	ZZZZZ	01/07/08	1507	9.06	
03	HIBLK02	WHB071227-02	01/07/08	1535	9.08	
04	HSTD01	WHB071227-01	01/07/08	1601	9.07	
05	HSTD02	WHB071227-02	01/07/08	1627	9.07	
06	HSTD03	WHB071227-03	01/07/08	1654	9.06	
07	HSTD04	WHB071227-04	01/07/08	1720	9.06	
08	ZZZZZ	ZZZZZ	01/07/08	1747	9.06	
09	HSTD06	WHB071227-06	01/07/08	1813	9.05	
10	HSTD07	WHB071227-07	01/07/08	1840	9.05	
11	HIBLK03	WHB071227-02	01/07/08	1906	9.08	
12	HSTD01	WHB071227-08	01/07/08	1933	9.06	
13	HIBLK04	WHB071227-02	01/07/08	1959	9.08	
14	ZZZZZ	ZZZZZ	01/07/08	2026	9.07	
15	ZZZZZ	ZZZZZ	01/07/08	2053	9.06	
16	ZZZZZ	ZZZZZ	01/07/08	2119	9.07	
17	ZZZZZ	ZZZZZ	01/07/08	2146	9.06	
18	ZZZZZ	ZZZZZ	01/07/08	2212	9.06	
19	HSTD02	WHB071227-08	01/07/08	2239	9.06	
20	HIBLK03	WHB071227-02	01/07/08	2305	9.08	
21	ZZZZZ	ZZZZZ	01/07/08	2332	9.07	
22	ZZZZZ	ZZZZZ	01/07/08	2358	9.06	
23	ZZZZZ	ZZZZZ	01/08/08	0025	9.08	
24	ZZZZZ	ZZZZZ	01/08/08	0051	9.07	
25	ZZZZZ	ZZZZZ	01/08/08	0118	9.07	
26	HSTD03	WHB071227-08	01/08/08	0144	9.06	
27	HIBLK04	WHB071227-02	01/08/08	0211	9.08	
28						
29						
30						
31						
32						

QC LIMITS

S1 = 2,4-Dichlorophenylacet (+/- 0.06 MINUTES)

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

FORM 8
HERBICIDE ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: DB-17MS ID: 0.25 (mm) Init. Calib. Date(s): 01/07/08 01/07/08

Instrument ID: ECD6A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
S1 : 9.66							
CLIENT	LAB	DATE	TIME	S1		RT	
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT	#	RT	#
=====	=====	=====	=====	=====	=====	=====	=====
01 HIBLK01	WHB071227-02	01/07/08	1441	9.67			
02 ZZZZZ	ZZZZZ	01/07/08	1507	9.66			
03 HIBLK02	WHB071227-02	01/07/08	1535	9.67			
04 HSTD01	WHB071227-01	01/07/08	1601	9.67			
05 HSTD02	WHB071227-02	01/07/08	1627	9.67			
06 HSTD03	WHB071227-03	01/07/08	1654	9.66			
07 HSTD04	WHB071227-04	01/07/08	1720	9.66			
08 ZZZZZ	ZZZZZ	01/07/08	1747	9.66			
09 HSTD06	WHB071227-06	01/07/08	1813	9.66			
10 HSTD07	WHB071227-07	01/07/08	1840	9.65			
11 HIBLK03	WHB071227-02	01/07/08	1906	9.67			
12 HSTD01	WHB071227-08	01/07/08	1933	9.66			
13 HIBLK04	WHB071227-02	01/07/08	1959	9.67			
14 ZZZZZ	ZZZZZ	01/07/08	2026	9.67			
15 ZZZZZ	ZZZZZ	01/07/08	2053	9.66			
16 ZZZZZ	ZZZZZ	01/07/08	2119	9.67			
17 ZZZZZ	ZZZZZ	01/07/08	2146	9.66			
18 ZZZZZ	ZZZZZ	01/07/08	2212	9.66			
19 HSTD02	WHB071227-08	01/07/08	2239	9.66			
20 HIBLK03	WHB071227-02	01/07/08	2305	9.67			
21 ZZZZZ	ZZZZZ	01/07/08	2332	9.67			
22 ZZZZZ	ZZZZZ	01/07/08	2358	9.66			
23 ZZZZZ	ZZZZZ	01/08/08	0025	9.67			
24 ZZZZZ	ZZZZZ	01/08/08	0051	9.67			
25 ZZZZZ	ZZZZZ	01/08/08	0118	9.67			
26 HSTD03	WHB071227-08	01/08/08	0144	9.66			
27 HIBLK04	WHB071227-02	01/08/08	0211	9.67			
28							
29							
30							
31							
32							

QC LIMITS
S1 = 2,4-Dichlorophenylacet (+/- 0.06 MINUTES)

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

FORM 8
HERBICIDE ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: DB-XLB ID: 0.25 (mm) Init. Calib. Date(s): 01/07/08 01/07/08

Instrument ID: ECD6A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
S1 : 9.03							
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #	
01	ZZZZZ	ZZZZZ	01/21/08	1247			
02	HIBLK01	WHB071227-02	01/21/08	1314	9.05		
03	HSTD01	WHB071227-08	01/21/08	1341	9.03		
04	HIBLK02	WHB071227-02	01/21/08	1427	9.06		
05	HBLK01	1201499565	01/21/08	1516	9.05		
06	HBLK01LCS	1201499566	01/21/08	1543	9.03		
07	HBLK01LCSD	1201499574	01/21/08	1610	9.03		
08	IR13-SB02	201226001	01/21/08	1637	9.04		
09	IR13-SB03	201226002	01/21/08	1704	9.05		
10	HSTD02	WHB071227-08	01/21/08	1731	9.03		
11	HIBLK03	WHB071227-02	01/21/08	1758	9.05		
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							

QC LIMITS
S1 = 2,4-Dichlorophenylacet (+/- 0.06 MINUTES)

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

FORM 8
HERBICIDE ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 201226

GC Column: DB-17MS ID: 0.25 (mm) Init. Calib. Date(s): 01/07/08 01/07/08

Instrument ID: ECD6A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
S1 : 9.64						
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	RT
=====	=====	=====	=====	=====		=====
01 ZZZZZ	ZZZZZ	01/21/08	1247			
02 HIBLK01	WHB071227-02	01/21/08	1314	9.66		
03 HSTD01	WHB071227-08	01/21/08	1341	9.64		
04 HIBLK02	WHB071227-02	01/21/08	1427	9.66		
05 HBLK01	1201499565	01/21/08	1516	9.65		
06 HBLK01LCS	1201499566	01/21/08	1543	9.64		
07 HBLK01LCSD	1201499574	01/21/08	1610	9.64		
08 IR13-SB02	201226001	01/21/08	1637	9.65		
09 IR13-SB03	201226002	01/21/08	1704	9.65		
10 HSTD02	WHB071227-08	01/21/08	1731	9.64		
11 HIBLK03	WHB071227-02	01/21/08	1758	9.66		
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

S1 = 2,4-Dichlorophenylacet (+/- 0.06 MINUTES)

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

Identification Summary

Page 1 of 1

SDG Number: 201226

Client ID: LCS for batch 719510

Lab Sample ID: 1201499566

Data File: 006f0601.d

Data File: 006b0601.d

Inst: ECD6A.I_1

Inst: ECD6A.I_2

Column: 1 : DB-XLB

Column: 2 : DB-17MS

Analyzed: 21-JAN-08 15:43

Analyzed: 21-JAN-08 15:43

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
2,4-D							.711
Column 1	1	10.5	10.4 – 10.5	1.73		ug/L	
Column 2	1	11.4	11.4 – 11.5	1.71		ug/L	
2,4,5-TP							5.15
Column 1	1	11.8	11.8 – 11.8	1.64		ug/L	
Column 2	1	12.4	12.4 – 12.4	1.56		ug/L	
2,4,5-T							6.25
Column 1	1	12.3	12.3 – 12.4	1.86		ug/L	
Column 2	1	13.3	13.3 – 13.3	1.74		ug/L	

Identification Summary

Page 1 of 1

SDG Number: 201226

Client ID: LCSD for batch 719510

Lab Sample ID: 1201499574

Data File: 007f0701.d

Data File: 007b0701.d

Inst: ECD6A.I_1

Inst: ECD6A.I_2

Column: 1 : DB-XLB

Column: 2 : DB-17MS

Analyzed: 21-JAN-08 16:10

Analyzed: 21-JAN-08 16:10

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
2,4-D							2.91
Column 1	1	10.5	10.4 - 10.5	1.82		ug/L	
Column 2	1	11.4	11.4 - 11.5	1.77		ug/L	
2,4,5-TP							6.57
Column 1	1	11.8	11.8 - 11.8	1.73		ug/L	
Column 2	1	12.4	12.4 - 12.4	1.62		ug/L	
2,4,5-T							1.56
Column 1	1	12.3	12.3 - 12.4	1.88		ug/L	
Column 2	1	13.3	13.3 - 13.3	1.85		ug/L	

QUALITY CONTROL DATA

**Herbicide
Certificate of Analysis
Sample Summary**

SDG Number: 201226
Lab Sample ID: 1201499565
Client Sample: QC for batch 719510
Client ID: MB for batch 719510
Batch ID: 719511
Run Date: 01/21/2008 15:16
Prep Date: 01/18/2008 17:02
Data File: 005f0501.d
005b0501.d

Client: CATL002
Method: SW846 8151A
Inst: ECD6A.I
Analyst: AMY
Aliquot: 1000 mL
Column: 1 DB-XLB
2 DB-17MS

Matrix: GROUND WATER
Project: QC
SOP Ref: GL-OA-E-011
Dilution: 1
Inj. Vol: 1 uL
Final Volume: 10 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
94-75-7	2,4-D	U	0.250	ug/L	0.083	0.250	1
93-72-1	2,4,5-TP	U	0.250	ug/L	0.083	0.250	1
93-76-5	2,4,5-T	U	0.250	ug/L	0.083	0.250	1

Data File: /chem/ecd6a.i/012108.b/005f0501.d
Report Date: 04-Feb-2008 11:44

Page 1

GEL Laboratories LLC

Column: DB-XLB 0.25mm x 30 m Inj Vol: 2 ul
Data file : /chem/ecd6a.i/012108.b/005f0501.d
Lab Smp Id: 1201499565 Client Smp ID: HBLK01
Inj Date : 21-JAN-2008 15:16
Operator : AMY Inst ID: ecd6a.i
Smp Info : |1201499565|1|
Misc Info : |ECD51H_1LF|719511|SVHF|QC A|GROUND WATER|MB||
Comment : 50 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/012108.b/ECD6-F-51A-010708.m
Meth Date : 04-Feb-2008 11:28 amy01291 Quant Type: ESTD
Cal Date : 07-JAN-2008 16:54 Cal File: 006f0601.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * \text{Vt} / (\text{Vo} * \text{Vi}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)
==	=====	=====	=====	=====
\$ 2	2,4-Dichlorophenylacetic acid		CAS #: 19719-28-9	
9.049	9.032	0.017	130245648 415.588	4.2 (M)

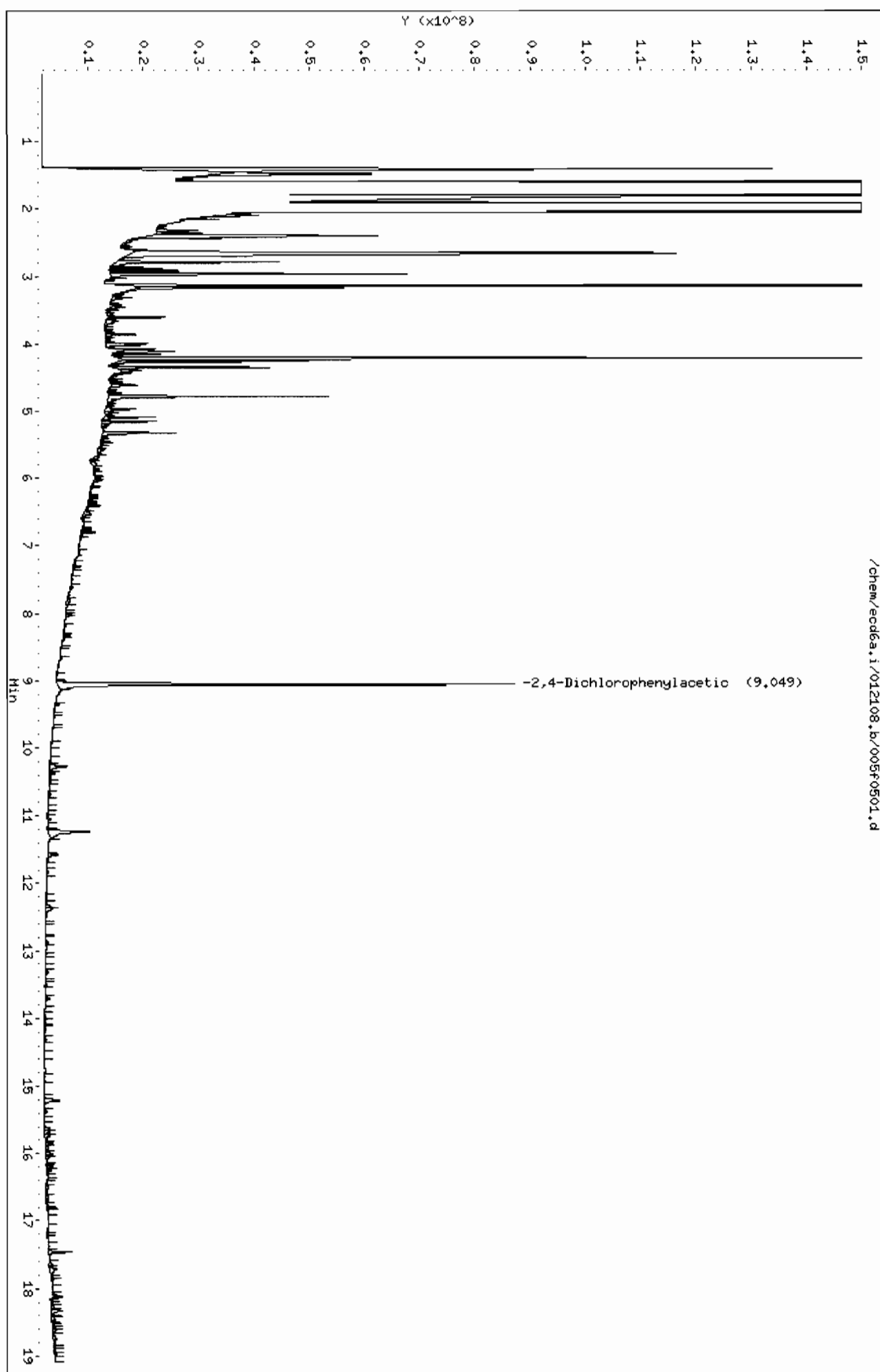
QC Flag Legend

M - Compound response manually integrated.

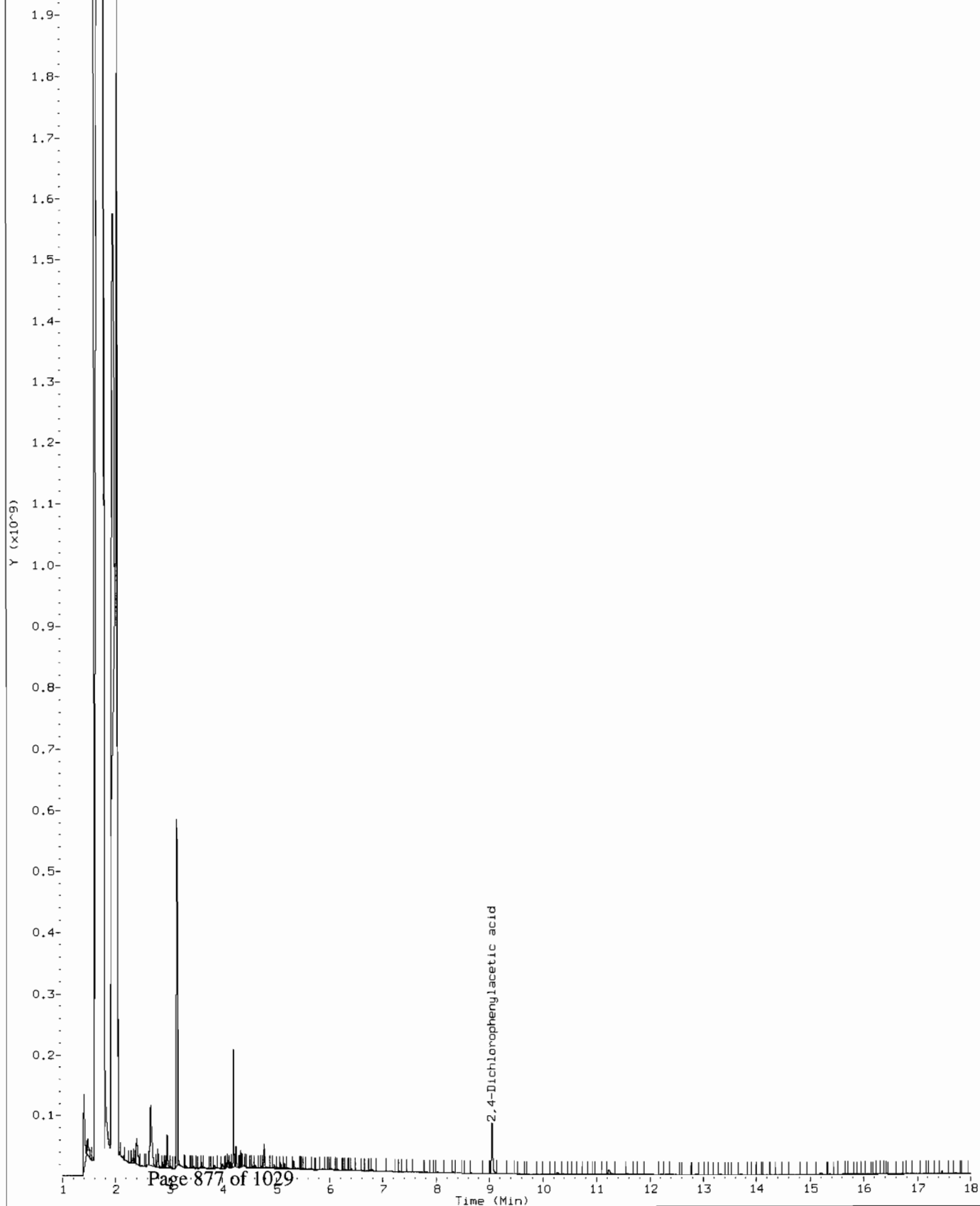
Data File: /chem/ecd6a.i/012108.b/005f0501.d
Date : 21-JAN-2008 15:16
Client ID: HBLK01
Sample Info: 1120149956511
Volume Injected (uL): 1.0
Column phase: DB-XLB

Instrument: ecd6a.i
Operator: AMY
Column diameter: 0.25

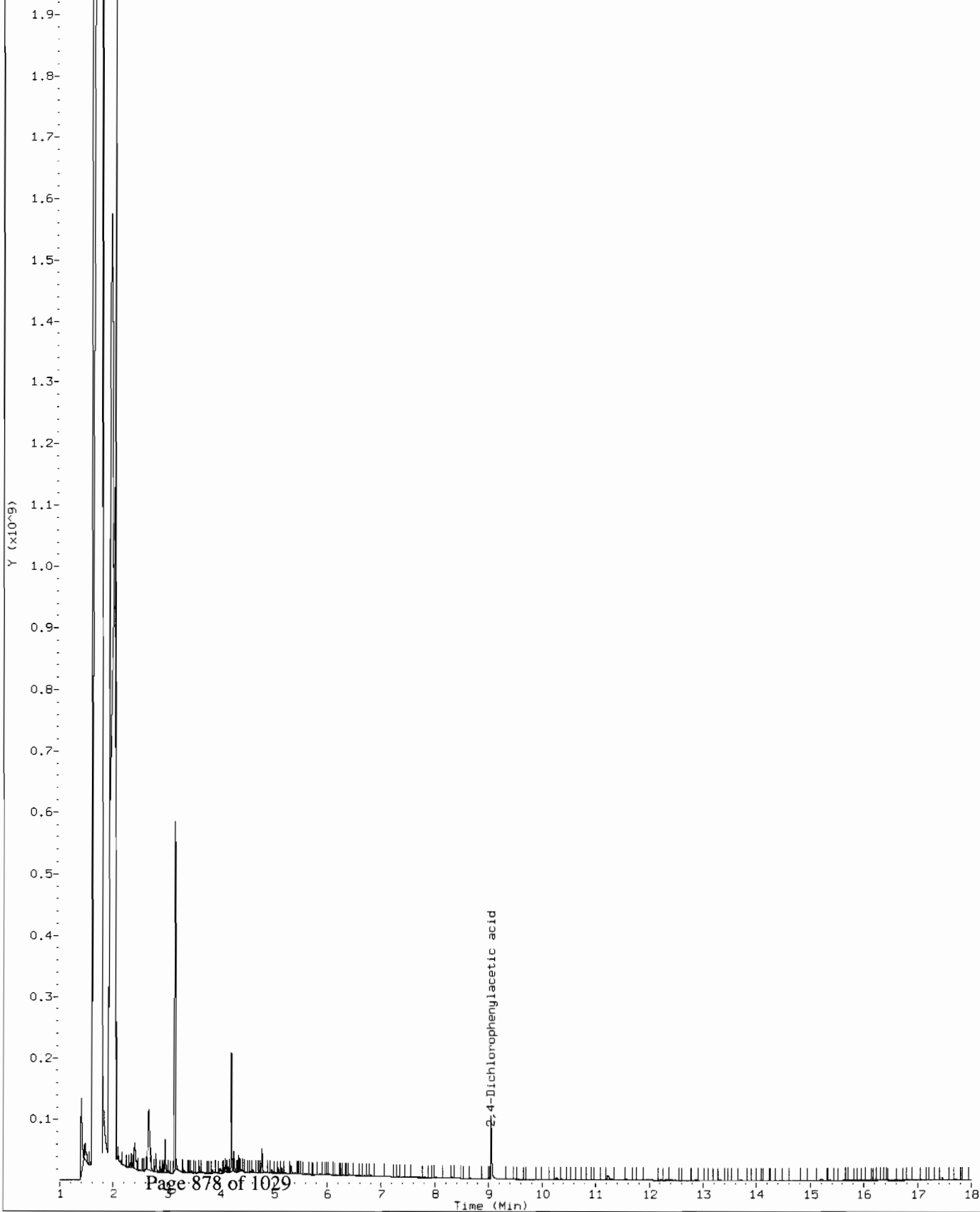
Page 1



Comment: Manually Integrated
Data File: /chem/ecd6a.i/012108.b/005f0501.d
Operator: AMY
Injection Date: 21-JAN-2008 15:16
Instrument: ecd6a.i
Client Sample ID: HBLK01



Comment: Before manual integration
Data File: /chem/ecd6a.i/012108.b/orig-005f0501.d
Operator: AMY
Injection Date: 21-JAN-2008 15:16
Instrument: ecd6a.i
Client Sample ID: HBLK01



Data File: /chem/ecd6a.i/012108.b/005b0501.d
Report Date: 04-Feb-2008 11:35

Page 1

GEL Laboratories LLC

Column: DB-17MS 0.25mm x 30 m Inj Vol: 2ul
Data file : /chem/ecd6a.i/012108.b/005b0501.d
Lab Smp Id: 1201499565 Client Smp ID: HBLK01
Inj Date : 21-JAN-2008 15:16
Operator : AMY Inst ID: ecd6a.i
Smp Info : |1201499565|1|
Misc Info : |ECD51H_1LF|719511|SVHF|QC A|GROUND WATER|MB|||
Comment : 60 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/012108.b/ECD6-B-51A-010708.m
Meth Date : 04-Feb-2008 11:26 amy01291 Quant Type: ESTD
Cal Date : 07-JAN-2008 16:01 Cal File: 004b0401.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

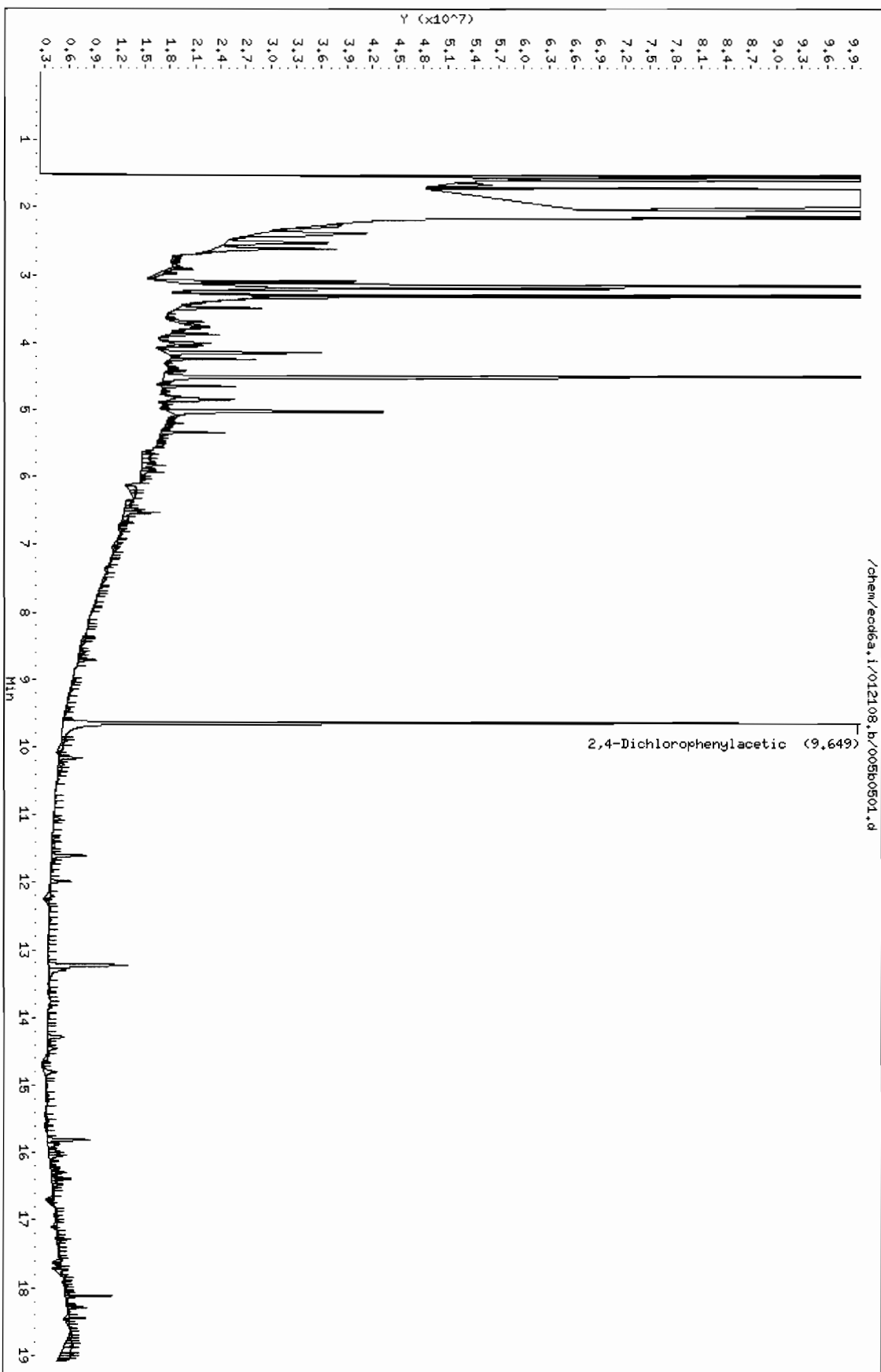
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
\$ 2	2,4-Dichlorophenylacetic acid		CAS #: 19719-28-9		
9.649	9.641	0.008	158773906	418.616	4.2

Data File: /chem/ecdk6a.i/012108.b/005b0501.d
Date : 21-JAN-2008 15:16
Client ID: HBLK01
Sample Info: 1120149956511
Volume Injected (uL): 1.0
Column phase: DB-17HS

Instrument: ecdk6a.i
Operator: RHV
Column diameter: 0.25



Herbicide

Matrix: GROUND WATER

Client Sample: QC for batch 719510
Client ID: LCS for batch 719510

Client Sample: QC for batch 719510
Client ID: LCS for batch 719510

Client: CATL002
Method: SW846 8151A
Inst: ECD6A.I

Client: CATL002
Method: SW846 8151A
Inst: ECD6A.I

Project: QC
SOP Ref: GL-OA-E-011

Project: QC
SOP Ref: GL-OA-E-011

Analyst: **AMY**

Analyst: **AMY**

Inj. Vol: 1 uL

Inj. Vol: 1 uL

Aliquot: 1000 mL

Aliquot: 1000 mL

Final Volume: 10 mL

Final Volume: 10 mL

Column: 1 DB-XLB
2 DB-17MS

Column: 1 DB-XLB
2 DB-17MS

Level: **LOW**

Level: **LOW**

006b0601.d

2 DB-17MS

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
94-75-7	2,4-D		1.73	ug/L	0.083	0.250	1
93-72-1	2,4,5-TP		1.64	ug/L	0.083	0.250	1
93-76-5	2,4,5-T		1.86	ug/L	0.083	0.250	1

Data File: /chem/ecd6a.i/012108.b/006f0601.d
Report Date: 04-Feb-2008 11:35

Page 1

GEL Laboratories LLC

Column: DB-XLB 0.25mm x 30 m Inj Vol: 2 ul
Data file : /chem/ecd6a.i/012108.b/006f0601.d
Lab Smp Id: 1201499566 Client Smp ID: HBLK01LCS
Inj Date : 21-JAN-2008 15:43
Operator : AMY Inst ID: ecd6a.i
Smp Info : |1201499566|1|
Misc Info : |ECD51H_1LF|719511|SVHF|QC A|GROUND WATER|LCS|||
Comment : 50 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/012108.b/ECD6-F-51A-010708.m
Meth Date : 04-Feb-2008 11:28 amy01291 Quant Type: ESTD
Cal Date : 07-JAN-2008 16:54 Cal File: 006f0601.d
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)
=====				
2 2,4-Dichlorophenylacetic acid CAS #: 19719-28-9				
9.031	9.032	-0.001	139339608	444.605 4.4

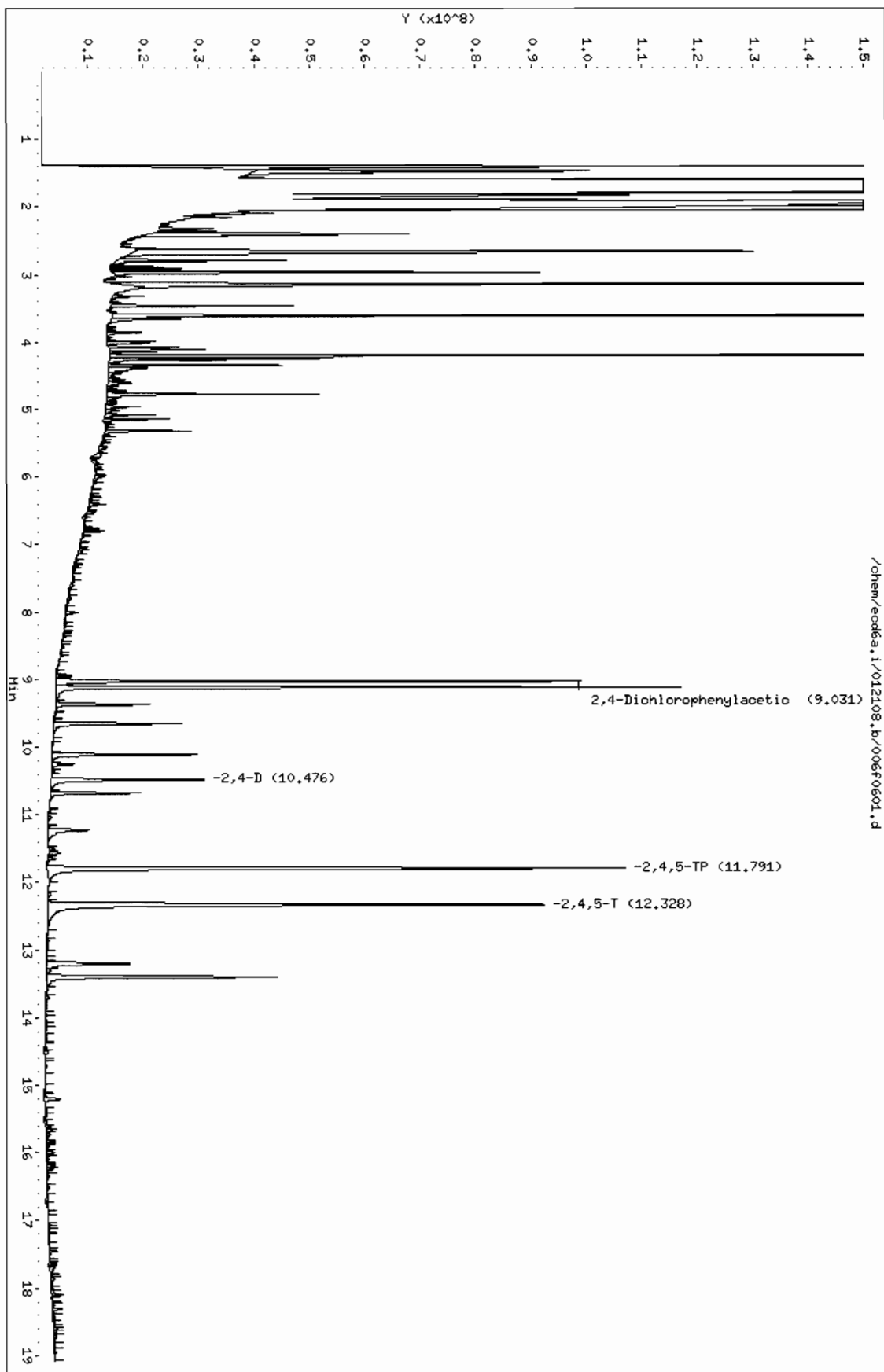
7 2,4-D CAS #: 94-75-7				
10.476	10.480	-0.004	58523940	172.607 1.7

8 2,4,5-TP CAS #: 93-72-1				
11.791	11.792	-0.001	224070034	164.396 1.6

9 2,4,5-T CAS #: 93-76-5				
12.328	12.330	-0.002	223794341	185.594 1.8

Data File: /chem/ecdb6a.i/012108.b/006f0601.d
Date : 21-Jan-2008 15:43
Client ID: HBLK01LCS
Sample Info: 1120149956611
Volume Injected (uL): 1.0
Column Phase: DB-XLB

Instrument: ecdb6a.i
Operator: AHY
Column diameter: 0.25



GEL Laboratories LLC

Column: DB-17MS 0.25mm x 30 m Inj Vol: 2ul
Data file : /chem/ecd6a.i/012108.b/006b0601.d
Lab Smp Id: 1201499566 Client Smp ID: HBLK01LCS
Inj Date : 21-JAN-2008 15:43
Operator : AMY Inst ID: ecd6a.i
Smp Info : |1201499566|1|
Misc Info : |ECD51H_1LF|719511|SVHF|QC A|GROUND WATER|LCS|1|
Comment : 60 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/012108.b/ECD6-B-51A-010708.m
Meth Date : 04-Feb-2008 11:26 amy01291 Quant Type: ESTD
Cal Date : 07-JAN-2008 16:01 Cal File: 004b0401.d
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS				
			ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)
==	=====	=====	=====	=====
\$ 2 2,4-Dichlorophenylacetic acid CAS #: 19719-28-9				
9.639	9.641	-0.002	160818748 424.007	4.2

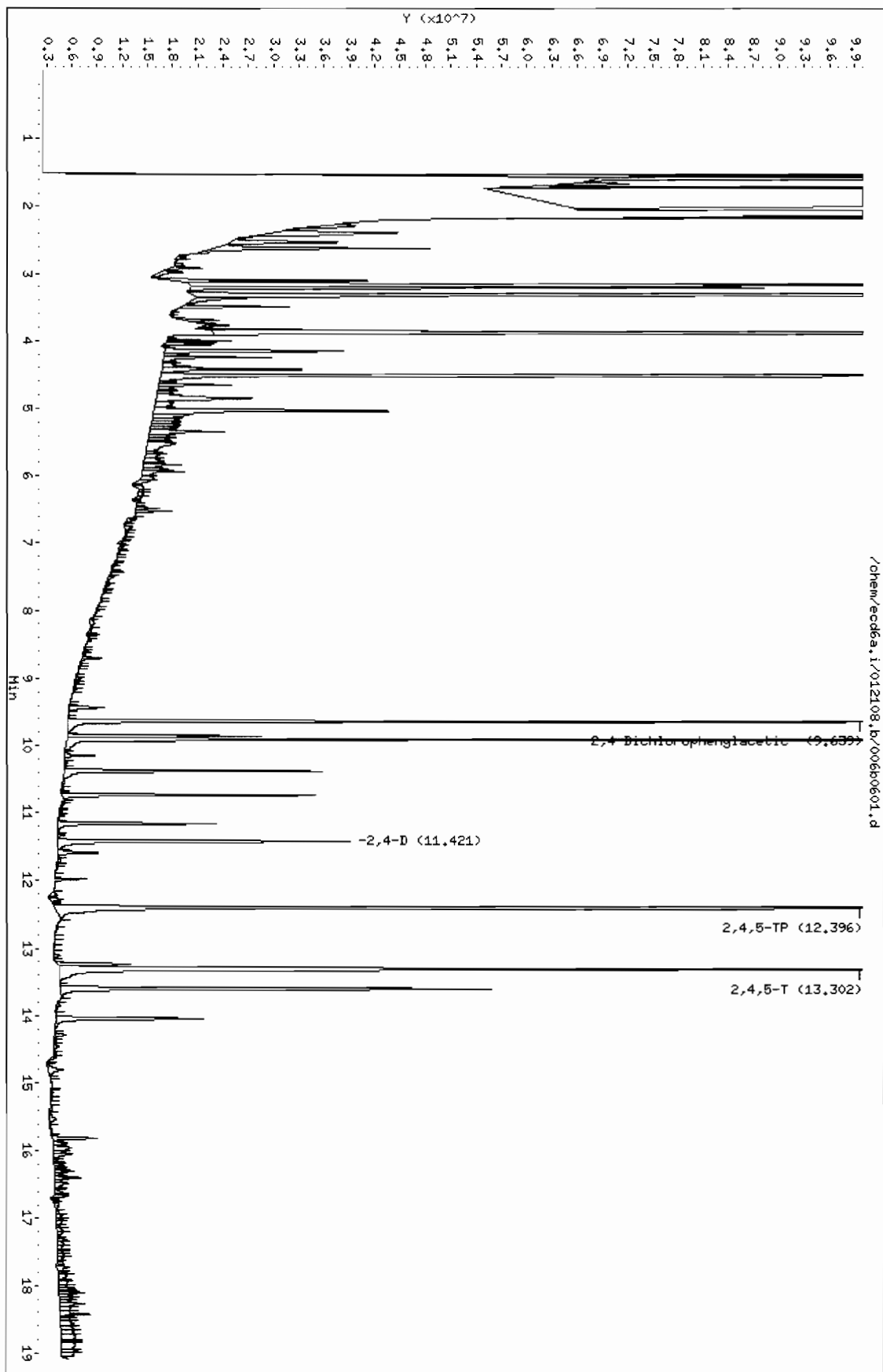
7 2,4-D CAS #: 94-75-7				
11.421	11.427	-0.006	70112525 171.384	1.7

8 2,4,5-TP CAS #: 93-72-1				
12.396	12.399	-0.003	267330884 156.144	1.6

9 2,4,5-T CAS #: 93-76-5				
13.302	13.304	-0.002	254413043 174.354	1.7

Data File: /chem/ecdka.i/012108.b/006b0601.d
Date: 21-JAN-2008 15:43
Client ID: HBLK01LCS
Sample Info: 1120149956611
Volume Injected (uL): 1.0
Column phase: DB-17MS

Instrument: ecdka.i
Operator: AMY
Column diameter: 0.25



**Herbicide
Certificate of Analysis
Sample Summary**

Page 1 of 1

SDG Number:	201226	Matrix:	GROUND WATER
Lab Sample ID:	1201499574		
Client Sample:	QC for batch 719510	Project:	QC
Client ID:	LCSD for batch 719510	SOP Ref:	GL-OA-E-011
Batch ID:	719511	Dilution:	1
Run Date:	01/21/2008 16:10	Inj. Vol:	1 uL
Prep Date:	01/18/2008 17:02	Final Volume:	10 mL
Data File:	007f0701.d	Level:	LOW
	007b0701.d		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
94-75-7	2,4-D		1.82	ug/L	0.083	0.250	1
93-72-1	2,4,5-TP		1.73	ug/L	0.083	0.250	1
93-76-5	2,4,5-T		1.88	ug/L	0.083	0.250	1

GEL Laboratories LLC

Column: DB-XLB 0.25mm x 30 m Inj Vol: 2 ul

Data file : /chem/ecd6a.i/012108.b/007f0701.d

Lab Smp Id: 1201499574

Client Smp ID: HBLK01LCSD

Inj Date : 21-JAN-2008 16:10

Operator : AMY

Inst ID: ecd6a.i

Smp Info : |1201499574|1|

Misc Info : |ECD51H_1LF|719511|SVHF|QC A|GROUND WATER|LCSD|||

Comment : 50 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m

Method : /chem/ecd6a.i/012108.b/ECD6-F-51A-010708.m

Meth Date : 04-Feb-2008 11:28 amy01291 Quant Type: ESTD

Cal Date : 07-JAN-2008 16:54

Cal File: 006f0601.d

Als bottle: 7

QC Sample: LCSD

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 201226.sub

Target Version: 3.50

Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
==	=====	=====	=====	=====	=====
\$ 2 2,4-Dichlorophenylacetic acid CAS #: 19719-28-9					
9.032	9.032	0.000	133998508 427.563	4.3	

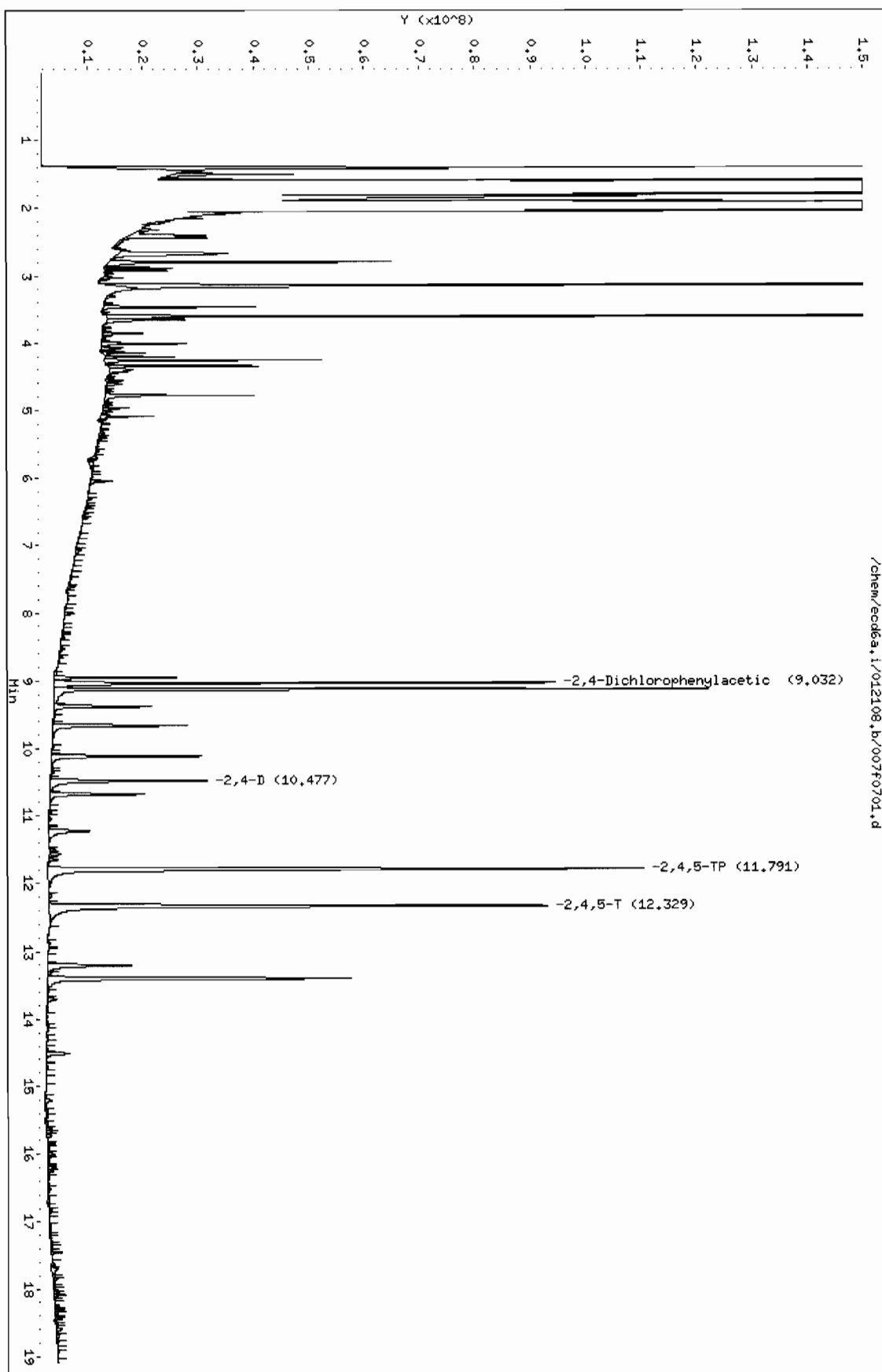
7 2,4-D CAS #: 94-75-7					
10.477	10.480	-0.003	61647604 181.820	1.8	

8 2,4,5-TP CAS #: 93-72-1					
11.791	11.792	-0.001	236206504 173.301	1.7	

9 2,4,5-T CAS #: 93-76-5					
12.329	12.330	-0.001	227039856 188.285	1.9	

Data File: /chem/ecdk6a.i/012108.b/007f0701.d
Date: 21-Jan-2008 16:10
Client ID: HBLK01LCSD
Sample Info: 1120149957411
Volume Injected (uL): 1.0
Column Phase: DB-XLB

Instrument: ecdk6a.i
Operator: AHY
Column diameter: 0.25



Data File: /chem/ecd6a.i/012108.b/007b0701.d
Report Date: 04-Feb-2008 11:35

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GEL Laboratories LLC

Column: DB-17MS 0.25mm x 30 m Inj Vol: 2ul
Data file : /chem/ecd6a.i/012108.b/007b0701.d
Lab Smp Id: 1201499574 Client Smp ID: HBLK01LCSD
Inj Date : 21-JAN-2008 16:10
Operator : AMY Inst ID: ecd6a.i
Smp Info : |1201499574|1|
Misc Info : |ECD51H_1LF|719511|SVHF|QC A|GROUND WATER|LCSD|||
Comment : 60 for 0.2m, at 25/m to 175 hold 1.0m, 5/m to 260 hold 2m
Method : /chem/ecd6a.i/012108.b/ECD6-B-51A-010708.m
Meth Date : 04-Feb-2008 11:26 amy01291 Quant Type: ESTD
Cal Date : 07-JAN-2008 16:01 Cal File: 004b0401.d
Als bottle: 7 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 201226.sub
Target Version: 3.50 Sample Matrix: Ground Water

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	
**	*****	*****	*****	*****	*****
\$ 2 2,4-Dichlorophenylacetic acid CAS #: 19719-28-9					
9.641	9.641	0.000	155113740	408.965	4.1

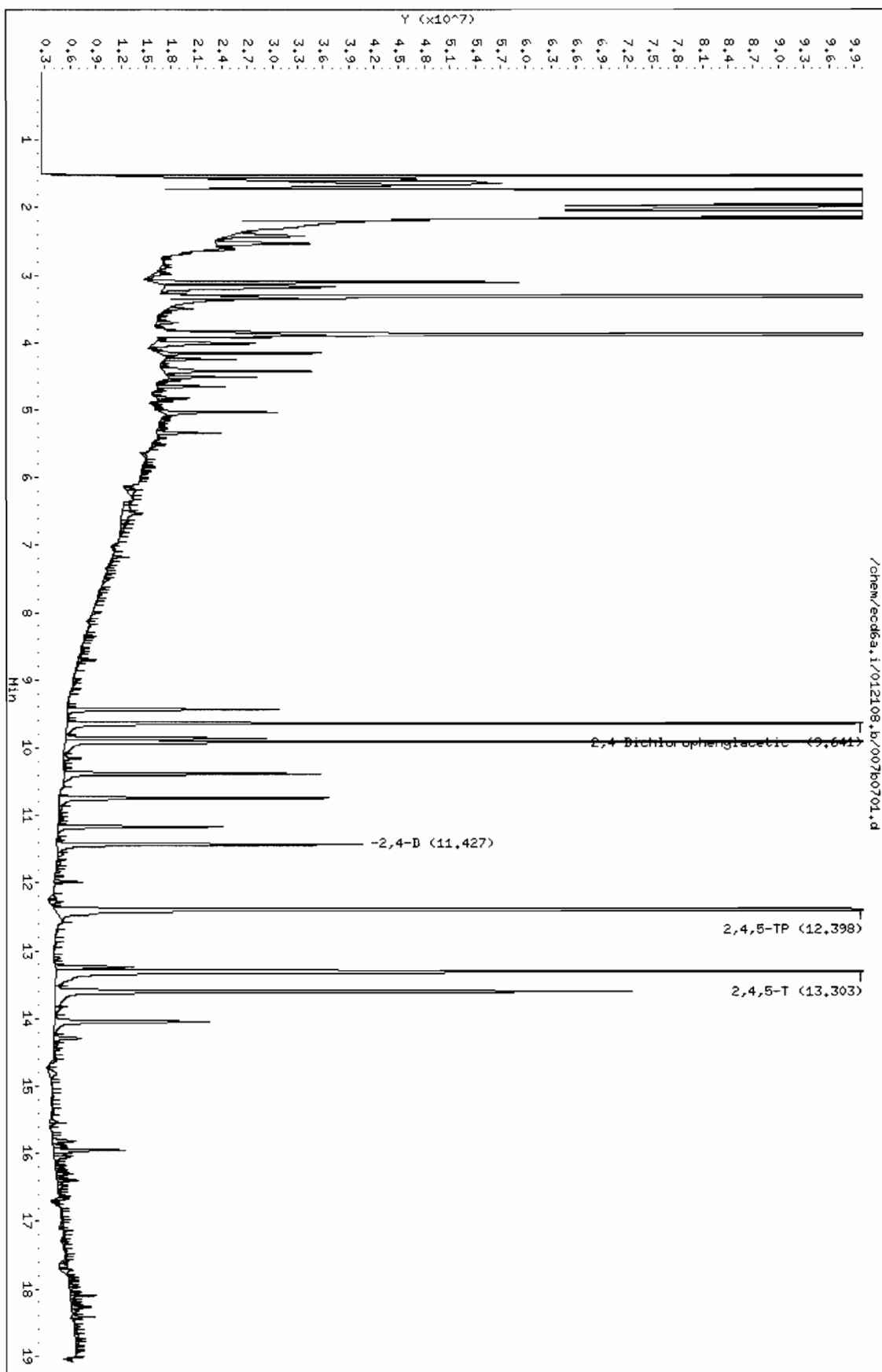
7 2,4-D CAS #: 94-75-7					
11.427	11.427	0.000	72247147	176.602	1.8

8 2,4,5-TP CAS #: 93-72-1					
12.398	12.399	-0.001	277837063	162.281	1.6

9 2,4,5-T CAS #: 93-76-5					
13.303	13.304	-0.001	270493756	185.375	1.8

Data File: /chem/ecd6a.i/012108.b/007b0701.d
Date: 21-JAN-2008 16:10
Client ID: HBLK01LCSD
Sample Info: 1120149957411
Volume Injected (uL): 1.0
Column phase: DB-17MS

Instrument: ecd6a.i
Operator: AMY
Column diameter: 0.25



MISCELLANEOUS DATA

GEL ORGANIC RUN LOG

INSTRUMENT ID: ECD6

DATE: 01/11/2008

METHOD: ECD6-F-51A-010708.m

OPERATOR: AMY

REVIEWED BY:

DATE:

HARDWARE CONFIGURATION & METHOD SUMMARY: No. 1 on pg. 1 SOLVENT LOT CU480

Calibration & QC Information

Initial Calibration Dates: See Calibration History and Standards Log
Initial Calibration Std ID's: See Calibration History and Standards Log
GEL SOP GL-OA-E-011 Analysis of Chlorophenoxy Herbicides by ECD
EPA Method: 8151A Chlorinated Herbicides by GC Using Derivation
Sequence Number: 010708
Injection Volume: 1.0 uL

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
001f0101.d	WHB071227-02.1	AMY	07-JAN-2008 14:41		010708	1.0	HIBLK01	Clean
002f0201.d	WHB071227-08 Ck	AMY	07-JAN-2008 15:07		010708	1.0	HSTD01	DUSE
003f0301.d	WHB071227-02.1	AMY	07-JAN-2008 15:35		010708	1.0	HIBLK02	Clean
004f0401.d	WHB071227-01	AMY	07-JAN-2008 16:01		010708	1.0	ICAL LVL1	All analytes calibrated. Level 5 removed from ICAL.
005f0501.d	WHB071227-02	AMY	07-JAN-2008 16:27		010708	1.0	ICAL LVL2	All analytes calibrated. Level 5 removed from ICAL.
006f0601.d	WHB071227-03	AMY	07-JAN-2008 16:54		010708	1.0	ICAL LVL3	All analytes calibrated. Level 5 removed from ICAL.
007f0701.d	WHB071227-04	AMY	07-JAN-2008 17:20		010708	1.0	ICAL LVL4	All analytes calibrated. Level 5 removed from ICAL.
008f0801.d	WHB071227-05	AMY	07-JAN-2008 17:47		010708	1.0	ICAL LVL5	DUSE
009f0901.d	WHB071227-06	AMY	07-JAN-2008 18:13		010708	1.0	ICAL LVL6	All analytes calibrated. Level 5 removed from ICAL.
010f1001.d	WHB071227-07	AMY	07-JAN-2008 18:40		010708	1.0	ICAL LVL7	All analytes calibrated. Level 5 removed from ICAL.
011f1101.d	WHB071227-02.1	AMY	07-JAN-2008 19:06		010708	1.0	HIBLK03	Clean
012f1201.d	WHB071227-08 Ck	AMY	07-JAN-2008 19:33		010708	1.0	HSTD01	ICV-all analytes passing
013f1301.d	WHB071227-02.1	AMY	07-JAN-2008 19:59		010708	1.0	HIBLK04	Clean
014f1401.d	1201491105	AMY	07-JAN-2008 20:26	1715806	1200252	1.0	QC A	USE. Uploaded both columns, reporting higher result.
015f1501.d	1201491106	AMY	07-JAN-2008 20:53	1715806	1200252	1.0	QC A	USE. Uploaded both columns, reporting higher result.

Instrument Batch: /chem/ecd6a.i/010708.b

Page: 1

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
016f1601.d	1200252001	AMY	07-JAN-2008 21:19	1715806	1200252	1.0	CATL	USE. Uploaded both columns, reporting higher result.
017f1701.d	1201491107	AMY	07-JAN-2008 21:46	1715806	1200252	1.0	QC A	USE. Uploaded both columns, reporting higher result.

018f1801.d	1201491108	AMY	07-JAN-2008 22:12	1715806	200252	1.0 QC A	USE. Uploaded both columns, reporting higher result.
019f1901.d	1WB071227-08 Ck	AMY	07-JAN-2008 22:39		1010708	1.0 HSTD02	CCV-all analytes passing
020f2001.d	1WB071227-02.1	AMY	07-JAN-2008 23:05		1010708	1.0 HIBLK05	Clean
021f2101.d	1201491109	AMY	07-JAN-2008 23:32	1715809	108-462	1.0 QC A	USE. Uploaded both columns, reporting higher result.
022f2201.d	1201491110	AMY	07-JAN-2008 23:58	1715809	108-462	1.0 QC A	USE. Uploaded both columns, reporting higher result.
023f2301.d	1200248002	AMY	08-JAN-2008 00:25	1715809	108-462	5.0 LANL	USE. Uploaded both columns, reporting higher result.
024f2401.d	1201491111	AMY	08-JAN-2008 00:51	1715809	108-462	5.0 QC A	USE. Uploaded both columns, reporting higher result.
							NCR-MCPP & MCPA below MDL and not quantitated
025f2501.d	1201491112	AMY	08-JAN-2008 01:18	1715809	108-462	5.0 QC A	USE. Uploaded both columns, reporting higher result.
							NCR-MCPP & MCPA below MDL and not quantitated
026f2601.d	1WB071227-08 Ck	AMY	08-JAN-2008 01:44		1010708	1.0 HSTD03	CCV-all analytes passing
027f2701.d	1WB071227-02.1	AMY	08-JAN-2008 02:11		1010708	1.0 HIBLK06	Clean

GEL ORGANIC RUN LOG

DATE: 02/04/2008 METHOD: ECD6-B-51A-010708.m INSTRUMENT ID ECD6
 OPERATOR: AMY
 HARDWARE CONFIGURATION & METHOD SUMMARY: No. 1 on pg. 1 SOLVENT LOT CU708
 REVIEWED BY: _____ DATE: _____

Calibration & QC Information
 Initial Calibration Dates: See Calibration History and Standards Log
 Initial Calibration Std ID's: See Calibration History and Standards Log
 GEL SOP GL-OA-E-011 Analysis of Chlorophenoxy Acid Herbicides by ECD
 EPA Method: 8151A Chlorinated Herbicides by GC Using Derivatization
 Sequence Number: 012108
 Injection Volume: 1.0 uL

Data File	GEL Lab Sample ID	Analyst	Injection Date/Time	Batch	SDG	Dilution	Client	Comments
002b0201.d	WHB071227-02.1	AMY	21-JAN-2008 13:14	1	1012108	1.0	HIBLK01	Clean
003b0301.d	WHB071227-08 Ck	AMY	21-JAN-2008 13:41	1	1012108	1.0	HSTD01	ICV-dalapon low (f&b). MCPP, MCPA low (f&b)
004b0401.d	WHB071227-02.1	AMY	21-JAN-2008 14:27	1	1012108	1.0	HIBLK02	Clean
005b0501.d	1201499565	AMY	21-JAN-2008 15:16	1719511	201226	1.0	QC A	USE. Uploaded both columns, reporting higher result.
006b0601.d	1201499566	AMY	21-JAN-2008 15:43	1719511	201226	1.0	QC A	USE. Uploaded both columns, reporting higher result.
007b0701.d	1201499574	AMY	21-JAN-2008 16:10	1719511	201226	1.0	QC A	USE. Uploaded both columns, reporting higher result.
008b0801.d	201226001	AMY	21-JAN-2008 16:37	1719511	201226	1.0	CATL	USE. Uploaded both columns, reporting higher result.
009b0901.d	201226002	AMY	21-JAN-2008 17:04	1719511	201226	1.0	CATL	USE. Uploaded both columns, reporting higher result. NCR-5 low (f&b) but no sample left for RX.
010b1001.d	WHB071227-08 Ck	AMY	21-JAN-2008 17:31	1	1012108	1.0	HSTD02	ICV-dalapon low (f&b). MCPP, MCPA low (f), MCPP low (b)
011b1101.d	WHB071227-02.1	AMY	21-JAN-2008 17:58	1	1012108	1.0	HIBLK03	Clean
009b0101.d	RINSE	AMY	21-JAN-2008 12:47	1	1012108	1.0	RINSE	DUSE

Prep Logbook

The Extraction of Herbicides from Groundwater, Wastewater and Other Aqueous Samples

Batch ID: 719510 Verified by: _____
 Analyst: Alberto Velasco
 Method: SW846 8151A

Lab SOP: GL-OA-E-015 REV# 10
 Instrument: Semi-Volatiles Manual

Sample ID	Run Date	Initial Volume (mL)	Initial pH	Int Ext pH	Sec Ext pH	Final Volume (mL)	Prepped Factor (mL/mL)
1201499565 MB	18-JAN-2008 17:02:37	1000	7	>12	<2	10	0.01
1201499566 LCS	18-JAN-2008 17:02:37	1000	7	>12	<2	10	0.01
1201499574 LCSD	18-JAN-2008 17:02:37	1000	7	>12	<2	10	0.01
201226001	18-JAN-2008 17:02:37	1060	5	>12	<2	10	0.00943
201226002	18-JAN-2008 17:02:37	1060	5	>12	<2	10	0.00943

Type	Sample Id	Description	Serial Number	Spike Amt	Units	Comments:
LCS	1201499566	HERBICIDE LCS	WE071226-02	1	mL	SAMPLES 201226001 AND -6002 WERE EXTREMELY EMULSIVE DURING THE EXTRACTION. SAMPLE 201226002 TOOK AN ADDITIONAL 60 mL OF CH2CL2 TO BREAK THE EMULSION. Verified By: RLC Final Solvent: Hexane
LCSD	1201499574	HERBICIDE LCS	WE071226-02	1	mL	
SURR	All	HERBICIDE SURROGATE	WE071219-02	.05	mL	
REGNT	All	Hexane	071214-B2	5	mL	
REGNT	All	Methanol	071214-C	.25	mL	
REGNT	All	N-METHYL-N-NITROSO-P-TOLUENESULFON-AMIDE	601851-A	1	mL	
REGNT	All	Iso-octane	643253-A	.5	mL	
REGNT	All	ETHYL ETHER	728394-OK	240	mL	
REGNT	All	Methylene Chloride	733752-D	180	mL	
SOURC	All	SODIUM SULFATE	653271	30	g	

COMPANY – WIDE NONCONFORMANCE REPORT			
Mo.Day Yr. 04-FEB-08	Division: Federal	Quality Criteria: Specifications	Type: Process
Instrument Type: GC/ECD	Test / Method: SW846 8151A	Matrix Type: Liquid	Client Code: CATL
Batch ID: 719511	Sample Numbers: See Below		
Potentially affected work order(s)(SDG): 201226 Application Issues: Failed Yield for Surrogates			
Specification and Requirements		NRG Disposition:	
Nonconformance Description:			
1. Sample 201226002 did not meet surrogate recovery acceptance criteria.		1. Sample 201226002 did not meet acceptance criteria for surrogate recovery. There was no more sample left for reextraction; therefore, the data is reported.	

Originator's Name:

Amy Carroll 04-FEB-08

Data Validator/Group Leader:

Jimin Cao 04-FEB-08

Quality Review:

Director:

Metals Analysis

Case Narrative

Metals Fractional Narrative
IR Site 13 - Catlin Engineers and Scientists (CATL)
SDG 201226

Sample Analysis

Sample ID	Client ID
201226001	IR13-SB02
1201500001	Method Blank (MB) ICP
1201500002	Laboratory Control Sample (LCS)
1201500005	201226001(IR13-SB02L) Serial Dilution (SD)
1201500003	201226001(IR13-SB02D) Sample Duplicate (DUP)
1201500004	201226001(IR13-SB02S) Matrix Spike (MS)
1201500875	Method Blank (MB) CVAA
1201500876	Laboratory Control Sample (LCS)
1201500879	201226001(IR13-SB02L) Serial Dilution (SD)
1201500877	201226001(IR13-SB02D) Sample Duplicate (DUP)
1201500878	201226001(IR13-SB02S) Matrix Spike (MS)

The sample in this SDG was analyzed on an "as received" basis.

Method/Analysis Information

Analytical Batch:	719714 and 720187
Prep Batch :	719713 and 720184
Standard Operating Procedures:	GL-MA-E-013 REV# 17, GL-MA-E-006 REV# 9 and GL-MA-E-010 REV# 18
Analytical Method:	SW846 3005/6010B and SW846 7470A
Prep Method :	SW846 3005A and SW846 7470A Prep

Preparation/Analytical Method Verification

The SOP stated above has been prepared based on technical research and testing conducted by GEL Laboratories, LLC. and with guidance from the regulatory documents listed in this "Method/Analysis Information" section.

System Configuration

The Metals analysis-ICP was performed on a P E 4300 Optima radial/axial-viewing inductively coupled plasma atomic emission spectrometer. The instrument is equipped with a Burgener nebulizer, cyclonic spray chamber, and yttrium or scandium internal standard. Operating conditions for the ICP are set at a power level of 1500 watts. The instrument has a peristaltic pump flow rate of 1.4L/min, argon gas flows of 15 L/min and 0.2 L/min for the torch and auxiliary gases, and a flow setting of 0.65L/min for the nebulizer.

The Metals analysis-Mercury was performed on a Perkin-Elmer Flow Injection Mercury System (FIMS-100) automated mercury analyzer. The instrument consists of a cold vapor atomic absorption spectrometer set to detect mercury at a wavelength of 253.7 nm. Sample introduction through the flow injection system is performed via a peristaltic pump at 9 mL/min and nitrogen carrier gas rate of 80 mL/min.

Calibration Information

Instrument Calibration

All initial calibration requirements have been met for this sample delivery group (SDG).

CRDL Requirements

All CRDL standard(s) met the referenced advisory control limits.

ICSA/ICSAB Statement

All interference check samples (ICSA and ICSAB) associated with this SDG met the established acceptance criteria.

Continuing Calibration Blank (CCB) Requirements

All continuing calibration blanks (CCB) bracketing this batch met the established acceptance criteria.

Continuing Calibration Verification (CCV) Requirements

All continuing calibration verifications (CCV) bracketing this SDG met the acceptance criteria.

Quality Control (QC) Information

Method Blank (MB) Statement

The MBs analyzed with this SDG met the acceptance criteria.

Laboratory Control Sample (LCS) Recovery

The LCS spike recoveries met the acceptance limits.

Quality Control (QC) Sample Statement

The following sample was selected as the quality control (QC) sample for this SDG:

201226001 (IR13-SB02)-ICP and CVAA.

Matrix Spike (MS) Recovery Statement

The percent recoveries (%R) obtained from the MS analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. All applicable elements met the acceptance criteria.

Duplicate Relative Percent Difference (RPD) Statement

The RPD obtained from the designated sample duplicate (DUP) is evaluated based on acceptance criteria of 20% when the sample is >5X the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control of RL is used to evaluate the DUP results. All applicable analytes met these requirements.

Serial Dilution % Difference Statement

The serial dilution is used to assess matrix suppression or enhancement. Raw element concentrations that are 25X the IDL for CVAA, 50X the IDL for ICP, and 100X the IDL for ICP-MS analyses are applicable for serial dilution assessment. All applicable analytes met the acceptance criteria of less than 10% difference (%D).

Technical Information

Holding Time Specifications

GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection of sample receipt. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Preparation/Analytical Method Verification

All procedures were performed as stated in the SOP.

Sample Dilutions

Dilutions are performed to minimize matrix interferences resulting from elevated mineral element concentrations present in solid samples and/or to bring over range target analyte concentrations into the linear calibration range of the instrument. The samples in this SDG did not require dilutions.

Preparation Information

The samples in this SDG were prepared exactly according to the cited SOP.

Miscellaneous Information

Nonconformance Documentation

Nonconformance reports (NCRs) are generated to document procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not required for this SDG.

Additional Comments

Additional comments were not required for this SDG.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation:

GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.

The following data validator verified the information presented in this case narrative:

Reviewer: Nick-Edel Elmore Date: 6 Feb 08

Sample Data Summary

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201226

METHOD TYPE: SW846

SAMPLE ID: 201226001

CLIENT ID: IR13-SB02

CONTRACT: CATL00107

MATRIX:G

DATE RECEIVED 18-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7440-38-2	Arsenic	21.1	ug/L			P	6	1	OPTIMA1	012208A-2
7440-39-3	Barium	96.7	ug/L			P	0.4	1	OPTIMA1	012208A-2
7440-43-9	Cadmium	1.5	ug/L	B		P	1	1	OPTIMA1	012208A-2
7440-47-3	Chromium	28	ug/L			P	1	1	OPTIMA1	012208A-2
7439-92-1	Lead	15	ug/L			P	4	1	OPTIMA1	012208A-2
7439-97-6	Mercury	0.024	ug/L	B		AV	0.02	1	MER536	020108W1-1
7782-49-2	Selenium	9	ug/L	U		P	9	1	OPTIMA1	012208A-2
7440-22-4	Silver	2	ug/L	U		P	2	1	OPTIMA1	012208A-2

Quality Control Summary

METALS
-2a-
Initial and Continuing Calibration Verification

SDG No: 201226

Contract: CATL00107

Lab Code: GEL

Initial Calibration Source: Solutions Plus

Continuing Calibration Source: O2Si

Instrument ID: MER536,OPTIMA1

<u>Sample ID</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>True Value</u>	<u>Units</u>	<u>% Recovery</u>	<u>Acceptance Window (%R)</u>	<u>M</u>	<u>Analysis Date/Time</u>	<u>Run Number</u>
ICV01										
	Arsenic	491	ug/L	500	ug/L	98.3	90.0 – 110.0	P	22-JAN-08 18:55	012208A-2
	Barium	504	ug/L	500	ug/L	100.9	90.0 – 110.0	P	22-JAN-08 18:55	012208A-2
	Cadmium	498	ug/L	500	ug/L	99.6	90.0 – 110.0	P	22-JAN-08 18:55	012208A-2
	Chromium	499	ug/L	500	ug/L	99.8	90.0 – 110.0	P	22-JAN-08 18:55	012208A-2
	Lead	497	ug/L	500	ug/L	99.3	90.0 – 110.0	P	22-JAN-08 18:55	012208A-2
	Selenium	2530	ug/L	2500	ug/L	101.1	90.0 – 110.0	P	22-JAN-08 18:55	012208A-2
	Silver	258	ug/L	250	ug/L	103	90.0 – 110.0	P	22-JAN-08 18:55	012208A-2
	Mercury	5.02	ug/L	5	ug/L	100.4	90.0 – 110.0	AV	01-FEB-08 08:55	020108W1-1
CCV01										
	Arsenic	514	ug/L	500	ug/L	102.8	90.0 – 110.0	P	22-JAN-08 19:44	012208A-2
	Barium	512	ug/L	500	ug/L	102.4	90.0 – 110.0	P	22-JAN-08 19:44	012208A-2
	Cadmium	509	ug/L	500	ug/L	101.8	90.0 – 110.0	P	22-JAN-08 19:44	012208A-2
	Chromium	510	ug/L	500	ug/L	102.1	90.0 – 110.0	P	22-JAN-08 19:44	012208A-2
	Lead	510	ug/L	500	ug/L	101.9	90.0 – 110.0	P	22-JAN-08 19:44	012208A-2
	Selenium	517	ug/L	500	ug/L	103.4	90.0 – 110.0	P	22-JAN-08 19:44	012208A-2
	Silver	511	ug/L	500	ug/L	102.2	90.0 – 110.0	P	22-JAN-08 19:44	012208A-2
	Mercury	4.99	ug/L	5	ug/L	99.9	80.0 – 120.0	AV	01-FEB-08 09:01	020108W1-1
CCV02										
	Arsenic	512	ug/L	500	ug/L	102.3	90.0 – 110.0	P	22-JAN-08 20:06	012208A-2
	Barium	514	ug/L	500	ug/L	102.8	90.0 – 110.0	P	22-JAN-08 20:06	012208A-2
	Cadmium	512	ug/L	500	ug/L	102.3	90.0 – 110.0	P	22-JAN-08 20:06	012208A-2
	Chromium	513	ug/L	500	ug/L	102.6	90.0 – 110.0	P	22-JAN-08 20:06	012208A-2
	Lead	510	ug/L	500	ug/L	102.1	90.0 – 110.0	P	22-JAN-08 20:06	012208A-2
	Selenium	519	ug/L	500	ug/L	103.8	90.0 – 110.0	P	22-JAN-08 20:06	012208A-2
	Silver	514	ug/L	500	ug/L	102.7	90.0 – 110.0	P	22-JAN-08 20:06	012208A-2
	Mercury	4.95	ug/L	5	ug/L	99	80.0 – 120.0	AV	01-FEB-08 09:25	020108W1-1
CCV03										
	Arsenic	509	ug/L	500	ug/L	101.8	90.0 – 110.0	P	22-JAN-08 20:30	012208A-2
	Barium	513	ug/L	500	ug/L	102.7	90.0 – 110.0	P	22-JAN-08 20:30	012208A-2
	Cadmium	511	ug/L	500	ug/L	102.3	90.0 – 110.0	P	22-JAN-08 20:30	012208A-2

METALS
-2a-
Initial and Continuing Calibration Verification

SDG No: 201226

Contract: CATL00107

Lab Code: GEL

Initial Calibration Source:

Continuing Calibration Source:

Instrument ID: MER536,OPTIMA1

<u>Sample ID</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>True Value</u>	<u>Units</u>	<u>% Recovery</u>	<u>Acceptance Window (%R)</u>	<u>M</u>	<u>Analysis Date/Time</u>	<u>Run Number</u>
CCV04	Chromium	512	ug/L	500	ug/L	102.3	90.0 – 110.0	P	22-JAN-08 20:30	012208A-2
	Lead	510	ug/L	500	ug/L	101.9	90.0 – 110.0	P	22-JAN-08 20:30	012208A-2
	Selenium	516	ug/L	500	ug/L	103.3	90.0 – 110.0	P	22-JAN-08 20:30	012208A-2
	Silver	514	ug/L	500	ug/L	102.7	90.0 – 110.0	P	22-JAN-08 20:30	012208A-2
	Mercury	5.03	ug/L	5	ug/L	100.7	80.0 – 120.0	AV	01-FEB-08 09:49	020108W1-1
	Arsenic	501	ug/L	500	ug/L	100.1	90.0 – 110.0	P	22-JAN-08 21:40	012208A-2
	Barium	509	ug/L	500	ug/L	101.7	90.0 – 110.0	P	22-JAN-08 21:40	012208A-2
	Cadmium	504	ug/L	500	ug/L	100.8	90.0 – 110.0	P	22-JAN-08 21:40	012208A-2
	Chromium	506	ug/L	500	ug/L	101.3	90.0 – 110.0	P	22-JAN-08 21:40	012208A-2
	Lead	502	ug/L	500	ug/L	100.5	90.0 – 110.0	P	22-JAN-08 21:40	012208A-2
CCV05	Selenium	508	ug/L	500	ug/L	101.6	90.0 – 110.0	P	22-JAN-08 21:40	012208A-2
	Silver	510	ug/L	500	ug/L	102.1	90.0 – 110.0	P	22-JAN-08 21:40	012208A-2
	Mercury	5.02	ug/L	5	ug/L	100.3	80.0 – 120.0	AV	01-FEB-08 10:12	020108W1-1
	Mercury	5.05	ug/L	5	ug/L	101.1	80.0 – 120.0	AV	01-FEB-08 10:36	020108W1-1

METALS
-2b-
CRDL Standard for AA & ICP

SDG No: 201226

Contract: CATL00107

Lab Code: GEL

AA CRDL Standard Source: SPEX

ICP CRDL Standard Source Solutions Plus

Instrument ID: MER536,OPTIMA1

<u>Sample ID</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>True Value</u>	<u>Units</u>	<u>% Recovery</u>	<u>Advisory Limits (%R)</u>	<u>M</u>	<u>Analysis Date/Time</u>	<u>Run Number</u>
CRDL01										
	Mercury	.195	ug/L	.2	ug/L	97.52	70.0 – 130.0	AV	01-FEB-08 08:59	020108W1-1
PQL01										
	Barium	4.93	ug/L	5	ug/L	98.66	70.0 – 130.0	P	22-JAN-08 19:10	012208A-2
	Cadmium	5	ug/L	5	ug/L	100.03	70.0 – 130.0	P	22-JAN-08 19:10	012208A-2
	Chromium	4.77	ug/L	5	ug/L	95.4	70.0 – 130.0	P	22-JAN-08 19:10	012208A-2
	Arsenic	10.6	ug/L	15	ug/L	70.58	70.0 – 130.0	P	22-JAN-08 19:10	012208A-2
	Lead	8.71	ug/L	10	ug/L	87.11	70.0 – 130.0	P	22-JAN-08 19:10	012208A-2
	Selenium	11.7	ug/L	15	ug/L	78.14	70.0 – 130.0	P	22-JAN-08 19:10	012208A-2
	Silver	5.21	ug/L	5	ug/L	104.23	70.0 – 130.0	P	22-JAN-08 19:10	012208A-2

Metals
-3a-
Initial and Continuing Calibration Blank Summary

SDG No.: 201226

Contract: CATL00107

Lab Code: GEL

<u>Sample ID</u>	<u>Analyte</u>	<u>Result</u> <u>ug/L</u>	<u>Acceptance</u>	<u>Conc</u> <u>Qual</u>	<u>IDL</u>	<u>RDL</u>	<u>Matrix</u>	<u>M</u>	<u>Analysis</u> <u>Date/Time</u>	<u>Run</u>
ICB01	Arsenic	6.0	+/-15	U	6.0	15.0	LIQ	P	22-JAN-08 19:02	012208A-2
	Barium	0.4	+/-5	U	0.4	5.0	LIQ	P	22-JAN-08 19:02	012208A-2
	Cadmium	1.0	+/-5	U	1.0	5.0	LIQ	P	22-JAN-08 19:02	012208A-2
	Chromium	1.0	+/-5	U	1.0	5.0	LIQ	P	22-JAN-08 19:02	012208A-2
	Lead	4.0	+/-10	U	4.0	10.0	LIQ	P	22-JAN-08 19:02	012208A-2
	Selenium	9.0	+/-15	U	9.0	15.0	LIQ	P	22-JAN-08 19:02	012208A-2
	Silver	2.0	+/-5	U	2.0	5.0	LIQ	P	22-JAN-08 19:02	012208A-2
	Mercury	0.02	+/-2	U	0.02	0.2	LIQ	AV	01-FEB-08 08:57	020108W1-1
CCB01	Arsenic	6.0	+/-15	U	6.0	15.0	LIQ	P	22-JAN-08 19:51	012208A-2
	Barium	0.4	+/-5	U	0.4	5.0	LIQ	P	22-JAN-08 19:51	012208A-2
	Cadmium	1.0	+/-5	U	1.0	5.0	LIQ	P	22-JAN-08 19:51	012208A-2
	Chromium	1.0	+/-5	U	1.0	5.0	LIQ	P	22-JAN-08 19:51	012208A-2
	Lead	4.0	+/-10	U	4.0	10.0	LIQ	P	22-JAN-08 19:51	012208A-2
	Selenium	9.0	+/-15	U	9.0	15.0	LIQ	P	22-JAN-08 19:51	012208A-2
	Silver	2.0	+/-5	U	2.0	5.0	LIQ	P	22-JAN-08 19:51	012208A-2
	Mercury	0.02	+/-2	U	0.02	0.2	LIQ	AV	01-FEB-08 09:03	020108W1-1
CCB02	Arsenic	6.0	+/-15	U	6.0	15.0	LIQ	P	22-JAN-08 20:13	012208A-2
	Barium	0.4	+/-5	U	0.4	5.0	LIQ	P	22-JAN-08 20:13	012208A-2
	Cadmium	1.0	+/-5	U	1.0	5.0	LIQ	P	22-JAN-08 20:13	012208A-2
	Chromium	1.0	+/-5	U	1.0	5.0	LIQ	P	22-JAN-08 20:13	012208A-2
	Lead	4.0	+/-10	U	4.0	10.0	LIQ	P	22-JAN-08 20:13	012208A-2
	Selenium	9.0	+/-15	U	9.0	15.0	LIQ	P	22-JAN-08 20:13	012208A-2
	Silver	2.0	+/-5	U	2.0	5.0	LIQ	P	22-JAN-08 20:13	012208A-2
	Mercury	-0.021	+/-2	B	0.02	0.2	LIQ	AV	01-FEB-08 09:27	020108W1-1
CCB03	Arsenic	6.0	+/-15	U	6.0	15.0	LIQ	P	22-JAN-08 20:37	012208A-2
	Barium	0.4	+/-5	U	0.4	5.0	LIQ	P	22-JAN-08 20:37	012208A-2
	Cadmium	1.0	+/-5	U	1.0	5.0	LIQ	P	22-JAN-08 20:37	012208A-2
	Chromium	1.0	+/-5	U	1.0	5.0	LIQ	P	22-JAN-08 20:37	012208A-2

Metals
-3a-
Initial and Continuing Calibration Blank Summary

SDG No.: 201226

Contract: CATL00107

Lab Code: GEL

<u>Sample ID</u>	<u>Analyte</u>	<u>Result</u> <u>ug/L</u>	<u>Acceptance</u>	<u>Conc</u> <u>Qual</u>	<u>IDL</u>	<u>RDL</u>	<u>Matrix</u>	<u>M</u>	<u>Analysis</u> <u>Date/Time</u>	<u>Run</u>
CCB04	Lead	4.0	+/-10	U	4.0	10.0	LIQ	P	22-JAN-08 20:37	012208A-2
	Selenium	9.0	+/-15	U	9.0	15.0	LIQ	P	22-JAN-08 20:37	012208A-2
	Silver	2.0	+/-5	U	2.0	5.0	LIQ	P	22-JAN-08 20:37	012208A-2
	Mercury	-0.028	+/-2	B	0.02	0.2	LIQ	AV	01-FEB-08 09:51	020108W1-1
	Arsenic	6.0	+/-15	U	6.0	15.0	LIQ	P	22-JAN-08 21:47	012208A-2
	Barium	0.4	+/-5	U	0.4	5.0	LIQ	P	22-JAN-08 21:47	012208A-2
	Cadmium	1.0	+/-5	U	1.0	5.0	LIQ	P	22-JAN-08 21:47	012208A-2
	Chromium	1.0	+/-5	U	1.0	5.0	LIQ	P	22-JAN-08 21:47	012208A-2
	Lead	4.0	+/-10	U	4.0	10.0	LIQ	P	22-JAN-08 21:47	012208A-2
	Selenium	9.0	+/-15	U	9.0	15.0	LIQ	P	22-JAN-08 21:47	012208A-2
	Silver	2.0	+/-5	U	2.0	5.0	LIQ	P	22-JAN-08 21:47	012208A-2
	Mercury	-0.023	+/-2	B	0.02	0.2	LIQ	AV	01-FEB-08 10:14	020108W1-1
CCB05	Mercury	-0.037	+/-2	B	0.02	0.2	LIQ	AV	01-FEB-08 10:38	020108W1-1

METALS
-3b-
PREPARATION BLANK SUMMARY

SDG NO. 201226
Contract: CATL00107
Matrix: GROUND WATER

<u>Sample ID</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Acceptance Window</u>	<u>Conc Qual</u>	<u>M</u>	<u>IDL</u>	<u>RDL</u>
1201500001	Arsenic	6	ug/L	+/-15.0	U	P	6	15
	Barium	0.4	ug/L	+/-5.0	U	P	0.4	5
	Cadmium	1	ug/L	+/-5.0	U	P	1	5
	Chromium	1	ug/L	+/-5.0	U	P	1	5
	Lead	4	ug/L	+/-10.0	U	P	4	10
	Selenium	9	ug/L	+/-15.0	U	P	9	15
	Silver	2	ug/L	+/-5.0	U	P	2	5
1201500875	Mercury	-0.0371	ug/L	+/-0.2	B	AV	0.02	0.2

METALS
-4-
Interference Check Sample

SDG No: 201226

Contract: CATL00107

Lab Code: GEL

ICS: O2Si

Instrument: OPTIMA1

<u>Sample ID</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>True Value</u>	<u>Units</u>	<u>% Recovery</u>	<u>Acceptance Window (%R)</u>	<u>Analysis Date/Time</u>	<u>Run Number</u>
ICSA01									
	Arsenic	21.5	ug/L					22-JAN-08 19:18	012208A-2
	Barium	7.73	ug/L					22-JAN-08 19:18	012208A-2
	Cadmium	1.37	ug/L					22-JAN-08 19:18	012208A-2
	Chromium	-5.73	ug/L					22-JAN-08 19:18	012208A-2
	Lead	2.06	ug/L					22-JAN-08 19:18	012208A-2
	Selenium	-15.7	ug/L					22-JAN-08 19:18	012208A-2
	Silver	-3.7	ug/L					22-JAN-08 19:18	012208A-2
ICSAB01									
	Arsenic	522	ug/L	500	ug/L	104	80.0 - 120.0	22-JAN-08 19:24	012208A-2
	Barium	489	ug/L	500	ug/L	97.7	80.0 - 120.0	22-JAN-08 19:24	012208A-2
	Cadmium	452	ug/L	500	ug/L	90.4	80.0 - 120.0	22-JAN-08 19:24	012208A-2
	Chromium	470	ug/L	500	ug/L	93.9	80.0 - 120.0	22-JAN-08 19:24	012208A-2
	Lead	464	ug/L	500	ug/L	92.9	80.0 - 120.0	22-JAN-08 19:24	012208A-2
	Selenium	2410	ug/L	2500	ug/L	96.3	80.0 - 120.0	22-JAN-08 19:24	012208A-2
	Silver	265	ug/L	250	ug/L	106	80.0 - 120.0	22-JAN-08 19:24	012208A-2

METALS

-5a-

Matrix Spike Summary

SDG NO. 201226 Client ID IR13-SB02S

Contract: CATL00107 Level: Low

Matrix: GROUND WATER % Solids:

Sample ID: 201226001 Spike ID: 1201500004

<u>Analyte</u>	<u>Units</u>	<u>Acceptance Limit</u>	<u>Spiked Result</u>	<u>C</u>	<u>Sample Result</u>	<u>C</u>	<u>Spike Added</u>	<u>% Recovery</u>	<u>Qual</u>	<u>M</u>
Selenium	ug/L	75-125	478		9	U	500	95		P
Silver	ug/L	75-125	494		2	U	500	98.8		P
Arsenic	ug/L	75-125	508		21.1		500	97.3		P
Barium	ug/L	75-125	601		96.7		500	101		P
Cadmium	ug/L	75-125	481		1.52	B	500	96		P
Chromium	ug/L	75-125	526		28		500	99.5		P
Lead	ug/L	75-125	496		15		500	96.1		P

METALS

-5a-

Matrix Spike Summary

SDG NO. 201226 Client ID IR13-SB02S

Contract: CATL00107 Level: Low

Matrix: GROUND WATER % Solids:

Sample ID: 201226001 Spike ID: 1201500878

<u>Analyte</u>	<u>Units</u>	<u>Acceptance Limit</u>	<u>Spiked Result</u>	<u>C</u>	<u>Sample Result</u>	<u>C</u>	<u>Spike Added</u>	<u>% Recovery</u>	<u>Qual</u>	<u>M</u>
Mercury	ug/L	75-125	2.22		0.024	B	2	110		AV

Metals
-6-
Duplicate Sample Summary

SDG No.: 201226

Contract: CATL00107

Lab Code: GEL

Matrix: LIQUID

Level: Low

Client ID: IR13-SB02D

Sample ID: 201226001

Duplicate ID: 1201500003

Percent Solids for Dup: N/A

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	+/-15	21.1		22		4.25		P
Barium	ug/L	+/-20%	96.7		98.4		1.69		P
Cadmium	ug/L	+/-5	1.52 B		1.38 B		9.75		P
Chromium	ug/L	+/-20%	28		29.4		4.93		P
Lead	ug/L	+/-10	15		16.3		7.8		P
Selenium	ug/L		9 U		9 U				P
Silver	ug/L		2 U		2 U				P

Metals
-6-
Duplicate Sample Summary

SDG No.: 201226

Contract: CATL00107

Lab Code: GEL

Matrix: LIQUID

Level: Low

Client ID: IR13-SB02D

Sample ID: 201226001

Duplicate ID: 1201500877

Percent Solids for Dup: N/A

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	+/- .2	0.024	B	0.0525	B	74.6		AV

METALS

-7-

Laboratory Control Sample Summary

SDG NO. 201226

Contract: CATL00107

Aqueous LCS Source:OS2I

Solid LCS Source:

<u>Sample ID</u>	<u>Analyte</u>	<u>Units</u>	<u>True Value</u>	<u>Result</u>	<u>C</u>	<u>% Recovery</u>	<u>Acceptance Limit</u>	<u>M</u>
1201500002								
	Arsenic	ug/L	500	478		95.5	80-120	P
	Barium	ug/L	500	489		97.8	80-120	P
	Cadmium	ug/L	500	478		95.7	80-120	P
	Chromium	ug/L	500	486		97.2	80-120	P
	Lead	ug/L	500	479		95.9	80-120	P
	Selenium	ug/L	500	472		94.5	80-120	P
	Silver	ug/L	500	487		97.4	80-120	P

METALS

-7-

Laboratory Control Sample Summary

SDG NO. 201226

Contract: CATL00107

Aqueous LCS Source:GEL

Solid LCS Source:

<u>Sample ID</u>	<u>Analyte</u>	<u>Units</u>	<u>True Value</u>	<u>Result</u>	<u>C</u>	<u>% Recovery</u>	<u>Acceptance Limit</u>	<u>M</u>
1201500876	Mercury	ug/L	2	2.08		104	80-120	AV

METALS

-9-

Serial Dilution Sample Summary

SDG NO. 201226

Client ID: IR13-SB02L

Contract: CATL00107

Matrix: LIQUID

Level: Low

Sample ID: 201226001

Serial Dilution ID: 1201500005

<u>Analyte</u>	<u>Initial Value ug/L</u>	<u>C</u>	<u>Serial Value ug/L</u>	<u>C</u>	<u>% Difference</u>	<u>Qual</u>	<u>Acceptance Limit</u>	<u>M</u>
Arsenic	21.1		30	U	100			P
Barium	96.7		99		2.38		10	P
Cadmium	1.52	B	5	U	100			P
Chromium	28		28.25		.893			P
Lead	15		20	U	100			P
Selenium	9	U	45	U				P
Silver	2	U	10	U				P

METALS

-9-

Serial Dilution Sample Summary

SDG NO. 201226

Client ID: IR13-SB02L

Contract: CATL00107

Matrix: LIQUID

Level: Low

Sample ID: 201226001

Serial Dilution ID: 1201500879

<u>Analyte</u>	<u>Initial Value ug/L</u>	<u>C</u>	<u>Serial Value ug/L</u>	<u>C</u>	<u>% Difference</u>	<u>Qual</u>	<u>Acceptance Limit</u>	<u>M</u>
Mercury	.024	B	.1	U	100			AV

METALS
-13-
SAMPLE PREPARATION SUMMARY

SDG No: 201226

Method Type: P

Contract: CATL00107

Lab Code: GEL

<u>Sample ID</u>	<u>Client ID</u>	<u>Sample Type</u>	<u>Matrix</u>	<u>Prep Date</u>	<u>Initial Sample Size</u>	<u>Final Sample Volume</u>	<u>Percent Solids</u>
Batch Number	719713						
1201500001	MB for batch 719713	MB	GROUND WATER	22-JAN-08	50mL	50mL	
1201500002	LCS for batch 719713	LCS	GROUND WATER	22-JAN-08	50mL	50mL	
1201500004	IR13-SB02S	MS	GROUND WATER	22-JAN-08	50mL	50mL	
1201500003	IR13-SB02D	DUP	GROUND WATER	22-JAN-08	50mL	50mL	
201226001	IR13-SB02	SAMPLE	GROUND WATER	22-JAN-08	50mL	50mL	

SW846

METALS
-13-
SAMPLE PREPARATION SUMMARY

SDG No: 201226

Method Type: AV

Contract: CATL00107

Lab Code: GEL

<u>Sample ID</u>	<u>Client ID</u>	<u>Sample Type</u>	<u>Matrix</u>	<u>Prep Date</u>	<u>Initial Sample Size</u>	<u>Final Sample Volume</u>	<u>Percent Solids</u>
Batch Number	720184						
1201500875	MB for batch 720184	MB	GROUND WATER	31-JAN-08	20mL	20mL	
1201500876	LCS for batch 720184	LCS	GROUND WATER	31-JAN-08	20mL	20mL	
1201500878	IR13-SB02S	MS	GROUND WATER	31-JAN-08	20mL	20mL	
1201500877	IR13-SB02D	DUP	GROUND WATER	31-JAN-08	20mL	20mL	
201226001	IR13-SB02	SAMPLE	GROUND WATER	31-JAN-08	20mL	20mL	

SW846

Metals
-14-
Analysis Run Log

Contract: CATL00107**Lab Code:** GEL**Inst Name:** MER536**Start Date:** 01-FEB-08**End Date:** 01-FEB-08**Client Sdg:** 201226**Method:** AV**Data File:** 020108W1-1

Samp No.	D/F	Run Time	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
S0.0	1	08:43						X		
S0.2	1	08:45						X		
S0.5	1	08:47						X		
S2.0	1	08:49						X		
S5.0	1	08:51						X		
S10	1	08:53						X		
ICV01	1	08:55						X		
ICB01	1	08:57						X		
CRDL01	1	08:59						X		
CCV01	1	09:01						X		
CCB01	1	09:03						X		
ZZZZZZ	1	09:05								
ZZZZZZ	1	09:07								
ZZZZZZ	1	09:09								
ZZZZZZ	1	09:11								
ZZZZZZ	1	09:13								
ZZZZZZ	5	09:15								
ZZZZZZ	1	09:17								
ZZZZZZ	1	09:19								
ZZZZZZ	1	09:21								
ZZZZZZ	1	09:23								
CCV02	1	09:25						X		
CCB02	1	09:27						X		
ZZZZZZ	1	09:29								
ZZZZZZ	5	09:31								
ZZZZZZ	1	09:33								
ZZZZZZ	1	09:35								
ZZZZZZ	1	09:37								
ZZZZZZ	1	09:39								
ZZZZZZ	1	09:41								
ZZZZZZ	1	09:43								
ZZZZZZ	5	09:45								
ZZZZZZ	1	09:47								
CCV03	1	09:49						X		
CCB03	1	09:51						X		
ZZZZZZ	1	09:53								
ZZZZZZ	1	09:55								
ZZZZZZ	1	09:57								
ZZZZZZ	1	09:59								
ZZZZZZ	1	10:01								

Metals
-14-
Analysis Run Log

Samp No.	D/F	Run Time									
ZZZZZZ	1	10:02									
ZZZZZZ	5	10:04									
ZZZZZZ	1	10:06									
ZZZZZZ	1	10:08									
ZZZZZZ	1	10:10									
CCV04	1	10:12							X		
CCB04	1	10:14							X		
ZZZZZZ	1	10:16									
ZZZZZZ	5	10:18									
ZZZZZZ	1	10:20									
1201500875	1	10:22							X		
1201500876	1	10:24							X		
201226001	1	10:27							X		
1201500877	1	10:28							X		
1201500878	1	10:30							X		
1201500879	5	10:32							X		
ZZZZZZ	1	10:34									
CCV05	1	10:36							X		
CCB05	1	10:38							X		

Metals
-14-
Analysis Run Log

Contract: CATL00107**Lab Code:** GEL**Inst Name:** OPTIMA1**Start Date:** 22-JAN-08**End Date:** 22-JAN-08**Client Sdg:** 201226**Method:** P**Data File:** 012208A-2

Samp No.	D/F	Run Time	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
S0.0	1	18:21	X	X	X	X	X		X	X
S0.1	1	18:29	X	X	X	X	X		X	X
S0.5	1	18:35	X	X	X	X	X		X	X
SCAL	1	18:42	X	X	X	X	X		X	X
S10	1	18:50	X	X	X	X	X		X	X
ICV01	1	18:55	X	X	X	X	X		X	X
ICB01	1	19:02	X	X	X	X	X		X	X
PQL01	1	19:10	X	X	X	X	X		X	X
ICSA01	1	19:18	X	X	X	X	X		X	X
ICSAB01	1	19:24	X	X	X	X	X		X	X
LR01	1	19:30	X	X	X	X	X		X	X
LR02	1	19:37	X	X	X	X	X		X	X
CCV01	1	19:44	X	X	X	X	X		X	X
CCB01	1	19:51	X	X	X	X	X		X	X
LR03	1	19:59	X	X	X	X	X		X	X
CCV02	1	20:06	X	X	X	X	X		X	X
CCB02	1	20:13	X	X	X	X	X		X	X
ZZZZZZ	5	20:22								
CCV03	1	20:30	X	X	X	X	X		X	X
CCB03	1	20:37	X	X	X	X	X		X	X
ZZZZZZ	10	20:43								
1201500001	1	20:50	X	X	X	X	X		X	X
1201500002	1	20:58	X	X	X	X	X		X	X
201226001	1	21:05	X	X	X	X	X		X	X
1201500003	1	21:12	X	X	X	X	X		X	X
1201500004	1	21:19	X	X	X	X	X		X	X
1201500005	5	21:27	X	X	X	X	X		X	X
ZZZZZZ	1	21:33								
CCV04	1	21:40	X	X	X	X	X		X	X
CCB04	1	21:47	X	X	X	X	X		X	X

Standards

METALS
-10-
Instrument Detection Limits

SDG NO. 201226

Contract: CATL00107

Lab Code: GEL

IDL Effective Date: 01-FEB-08

	<u>Analyte</u>	<u>Wavelength</u> <u>(nm)</u>	<u>IDL</u> <u>ug/L</u>	<u>RDL</u> <u>ug/L</u>
MERCURY				
LIQUID	Mercury		0.02	.2

METALS
-10-
Instrument Detection Limits

SDG NO. 201226

Contract: CATL00107

Lab Code: GEL

IDL Effective Date: 01-NOV-07

ICP	<u>Analyte</u>	<u>Wavelength</u>	<u>IDL</u>	<u>RDL</u>
		<u>(nm)</u>	<u>ug/L</u>	<u>ug/L</u>
LIQUID	Arsenic	193.696	6.0	15
	Barium	493.409	0.4	5
	Cadmium	226.502	1.0	5
	Chromium	267.716	1.0	5
	Lead	220.353	4.0	10
	Selenium	196.026	9.0	15
	Silver	328.068	2.0	5

METALS
-11-
Interelement Correction Factors

Lab Code: GEL

GEL Job No: 201226

Contract: CATL00107

Instrument: OPTIMA1

Effective Dates: 01-NOV-07

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

		Aluminum	Antimony	Arsenic	Barium	Beryllium
Parmname	Wavelength					
Aluminum	396.153	0.00000	0.00000	0.00000	0.00000	0.00000
Antimony	206.836	0.00000	0.00000	0.00000	0.00000	0.00000
Arsenic	188.979	0.00000	0.00000	0.00000	0.00000	0.00000
Barium	233.527	0.00000	0.00000	0.00000	0.00000	0.00000
Cadmium	226.502	0.00000	0.00000	0.00000	0.00000	0.00000
Chromium	267.716	0.00000	0.00000	0.00000	0.00000	0.00000
Cobalt	228.616	0.00000	0.00000	0.00000	0.00000	0.00000
Copper	342.752	0.00000	0.00000	0.00000	0.00000	0.00000
Iron	238.204	0.00000	0.00000	0.00000	0.00000	0.00000
Lead	220.353	-0.06850	0.00000	0.00000	0.00000	0.00000
Manganese	257.61	0.00000	0.00000	0.00000	0.00000	0.00000
Molybdenum	202.031	0.00000	0.00000	0.00000	0.00000	0.00000
Nickel	231.604	0.00000	0.00000	0.00000	0.00000	0.00000
Phosphorous	214.914	-0.39610	0.00000	0.00000	0.00000	0.00000
Potassium	766.48	0.00000	0.00000	0.00000	0.00000	0.00000
Selenium	196.026	0.00000	0.00000	0.00000	0.00000	0.00000
Silicon	251.611	0.00000	0.00000	0.00000	0.00000	0.00000
Silver	328.068	0.00000	0.00000	0.00000	0.00000	0.00000
Strontium	421.552	0.00000	0.00000	0.00000	0.00000	0.00000
Sulfur	181.975	0.22900	0.00000	0.00000	0.00000	0.00000
Thallium	190.801	0.00000	0.00000	0.00000	0.00000	0.00000
Tin	189.927	0.00000	0.00000	0.00000	0.00000	0.00000
Titanium	334.94	0.00000	0.00000	0.00000	0.00000	0.00000
Uranium	409.014	0.00000	0.00000	0.00000	0.00000	0.00000
Vanadium	292.402	0.00000	0.00000	0.00000	0.00000	0.00000
Zinc	213.857	0.00000	0.00000	0.00000	0.00000	0.00000

METALS
-11-
Interelement Correction Factors

Lab Code: GEL

GEL Job No: 201226

Contract: CATL00107

Instrument: OPTIMA1

Effective Dates: 01-NOV-07

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Parmname	Wavelength	Boron	Cadmium	Calcium	Chromium	Cobalt
Aluminum	396.153	0.00000	0.00000	0.00000	0.00000	0.00000
Antimony	206.836	0.00000	0.00000	0.02280	18.8460	0.00000
Arsenic	188.979	0.00000	0.00000	0.04830	-0.98810	0.00000
Barium	233.527	0.00000	0.00000	0.00000	0.00000	0.00000
Cadmium	226.502	0.00000	0.00000	0.00000	0.00000	0.00000
Chromium	267.716	0.00000	0.00000	0.00000	0.00000	0.00000
Cobalt	228.616	0.00000	0.00000	0.00000	0.00000	0.00000
Copper	342.752	0.00000	0.00000	0.00000	0.00000	0.00000
Iron	238.204	0.00000	0.00000	0.00000	0.00000	-61.1200
Lead	220.353	0.00000	0.00000	0.00000	0.00000	0.00000
Manganese	257.61	0.00000	0.00000	0.00000	0.00000	0.00000
Molybdenum	202.031	0.00000	0.00000	0.00000	0.00000	0.00000
Nickel	231.604	0.00000	0.00000	0.00000	0.00000	1.32840
Phosphorous	214.914	0.00000	0.00000	0.00000	0.00000	0.00000
Potassium	766.48	0.00000	0.00000	0.36310	0.00000	0.00000
Selenium	196.026	0.00000	0.00000	-0.05220	0.00000	0.00000
Silicon	251.611	0.00000	0.00000	0.00000	0.00000	0.00000
Silver	328.068	0.00000	0.00000	0.00000	0.00000	0.00000
Strontium	421.552	0.00000	0.00000	0.03141	0.00000	0.00000
Sulfur	181.975	0.00000	0.00000	0.00000	0.00000	0.00000
Thallium	190.801	0.00000	0.00000	0.04340	0.00000	4.94200
Tin	189.927	0.00000	0.00000	-0.03140	0.00000	0.00000
Titanium	334.94	0.00000	0.00000	-0.11110	0.32780	0.00000
Uranium	409.014	0.00000	0.00000	0.15390	0.00000	0.00000
Vanadium	292.402	0.00000	0.00000	0.00000	0.00000	0.00000
Zinc	213.857	0.00000	0.00000	0.00975	0.00000	0.00000

METALS
-11-
Interement Correction Factors

Lab Code: GELGEL Job No: **201226**

Contract: CATL00107

Instrument: OPTIMA1

Effective Dates: **01-NOV-07**

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Parmname	Wavelength	Copper	Iron	Lead	Magnesium	Manganese
Aluminum	396.153	0.00000	0.00000	0.00000	0.00000	0.00000
Antimony	206.836	0.00000	0.00000	0.00000	0.00000	0.00000
Arsenic	188.979	0.00000	-0.09710	0.00000	0.00000	0.00000
Barium	233.527	0.00000	0.00000	0.00000	0.00000	0.00000
Cadmium	226.502	0.00000	0.09340	0.00000	0.00000	0.00000
Chromium	267.716	0.00000	0.00000	0.00000	0.00000	0.00000
Cobalt	228.616	0.00000	0.02285	0.00000	0.00000	0.00000
Copper	342.752	0.00000	-0.04040	0.00000	0.00000	0.00000
Iron	238.204	0.00000	0.00000	0.00000	0.00000	0.00000
Lead	220.353	1.37150	0.07570	0.00000	0.00000	0.00000
Manganese	257.61	0.00000	-0.12800	0.00000	0.00000	0.00000
Molybdenum	202.031	0.00000	-0.04600	0.00000	0.00000	0.00000
Nickel	231.604	0.00000	0.00000	0.00000	0.00000	0.00000
Phosphorous	214.914	14.1640	1.19770	0.00000	0.00000	0.00000
Potassium	766.48	0.00000	0.00000	0.00000	0.00000	0.00000
Selenium	196.026	0.00000	-2.23600	0.00000	0.09450	0.00000
Silicon	251.611	0.00000	0.00000	0.00000	0.00000	0.00000
Silver	328.068	0.00000	-0.13030	0.00000	0.00000	0.00000
Strontium	421.552	0.00000	0.00000	0.00000	0.00000	0.00000
Sulfur	181.975	0.00000	0.00000	0.00000	0.00000	0.00000
Thallium	190.801	0.00000	0.00000	0.00000	0.00000	-3.23810
Tin	189.927	0.00000	0.00000	0.00000	0.00000	0.00000
Titanium	334.94	0.00000	0.00000	0.00000	0.00000	0.00000
Uranium	409.014	0.00000	0.00000	0.00000	0.00000	5.62960
Vanadium	292.402	0.00000	0.09590	0.00000	0.00000	0.00000
Zinc	213.857	1.87470	0.15000	0.00000	0.03530	0.00000

METALS
-11-
Interement Correction Factors

Lab Code: GEL

GEL Job No: 201226

Contract: CATL00107

Instrument: OPTIMA1

Effective Dates: 01-NOV-07

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Parmname	Wavelength	Molybdenum	Nickel	Phosphorous	Potassium	Selenium
Aluminum	396.153	442.05	0.00000	0.00000	0.00000	0.00000
Antimony	206.836	-14.8000	0.00000	0.00000	0.00000	0.00000
Arsenic	188.979	0.00000	0.00000	0.00000	0.00000	0.00000
Barium	233.527	0.00000	0.00000	0.00000	0.00000	0.00000
Cadmium	226.502	0.00000	-0.09094	0.00000	0.00000	0.00000
Chromium	267.716	0.00000	0.00000	0.00000	0.00000	0.00000
Cobalt	228.616	-2.05720	0.00000	0.00000	0.00000	0.00000
Copper	342.752	0.00000	0.00000	0.00000	0.00000	0.00000
Iron	238.204	0.00000	0.00000	0.00000	0.00000	0.00000
Lead	220.353	-2.95600	0.00000	0.00000	0.00000	0.00000
Manganese	257.61	0.00000	0.00000	0.00000	0.00000	0.00000
Molybdenum	202.031	0.00000	0.00000	0.00000	0.00000	0.00000
Nickel	231.604	0.00000	0.00000	0.00000	0.00000	0.00000
Phosphorous	214.914	0.00000	0.00000	0.00000	0.00000	0.00000
Potassium	766.48	0.00000	0.00000	0.00000	0.00000	0.00000
Selenium	196.026	0.00000	0.00000	0.00000	0.00000	0.00000
Silicon	251.611	19.0270	0.00000	0.00000	0.00000	0.00000
Silver	328.068	0.00000	0.00000	0.00000	0.00000	0.00000
Strontium	421.552	0.00000	0.00000	0.00000	0.00000	0.00000
Sulfur	181.975	0.00000	0.00000	0.00000	0.00000	0.00000
Thallium	190.801	0.00000	0.00000	0.00000	0.00000	0.00000
Tin	189.927	0.00000	0.00000	0.00000	0.00000	0.00000
Titanium	334.94	0.00000	0.00000	0.00000	0.00000	0.00000
Uranium	409.014	0.00000	0.00000	0.00000	0.00000	0.00000
Vanadium	292.402	-8.25100	0.00000	0.00000	0.00000	0.00000
Zinc	213.857	0.00000	5.64140	0.00000	0.00000	0.00000

METALS
-11-
Interelement Correction Factors

Lab Code: GEL

GEL Job No: 201226

Contract: CATL00107

Instrument: OPTIMA1

Effective Dates: 01-NOV-07

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Parmname	Wavelength	Silicon	Silver	Sodium	Strontium	Sulfur
Aluminum	396.153	0.00000	0.00000	0.00000	0.00000	0.00000
Antimony	206.836	0.00000	0.00000	0.00000	0.00000	0.00000
Arsenic	188.979	0.00000	0.00000	0.00000	0.00000	0.00000
Barium	233.527	0.00000	0.00000	0.00000	0.00000	0.00000
Cadmium	226.502	0.00000	0.00000	0.00000	0.00000	0.00000
Chromium	267.716	0.00000	0.00000	0.00000	0.00000	0.00000
Cobalt	228.616	0.00000	0.00000	0.00000	0.00000	0.00000
Copper	342.752	0.00000	0.00000	0.00000	0.00000	0.00000
Iron	238.204	0.00000	0.00000	0.00000	0.00000	0.00000
Lead	220.353	0.00000	0.00000	0.00000	0.00000	0.00000
Manganese	257.61	0.00000	0.00000	0.00000	0.00000	0.00000
Molybdenum	202.031	0.00000	0.00000	0.00000	0.00000	0.00000
Nickel	231.604	0.00000	0.00000	0.00000	0.00000	0.00000
Phosphorous	214.914	0.00000	0.00000	0.00000	0.00000	0.00000
Potassium	766.48	0.00000	0.00000	0.00000	0.00000	0.00000
Selenium	196.026	0.00000	0.00000	0.00000	0.00000	0.00000
Silicon	251.611	0.00000	0.00000	0.00000	0.00000	0.00000
Silver	328.068	0.00000	0.00000	0.00000	0.00000	0.00000
Strontium	421.552	0.00000	0.00000	0.00000	0.00000	0.00000
Sulfur	181.975	0.00000	0.00000	0.00000	0.00000	0.00000
Thallium	190.801	0.00000	0.00000	0.00000	0.00000	0.00000
Tin	189.927	0.00000	0.00000	0.00000	0.00000	0.00000
Titanium	334.94	0.00000	0.00000	0.00000	0.00000	0.00000
Uranium	409.014	0.00000	0.00000	0.00000	0.00000	0.00000
Vanadium	292.402	0.00000	0.00000	0.00000	0.00000	0.00000
Zinc	213.857	0.00000	0.00000	0.00000	0.00000	0.00000

METALS
-11-
Interelement Correction Factors

Lab Code: GELGEL Job No: **201226**Contract: **CATL00107**Instrument: **OPTIMA1**Effective Dates: **01-NOV-07**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

		Thallium	Tin	Titanium	Uranium	Vanadium
Parmname	Wavelength					
Aluminum	396.153	0.00000	0.00000	0.00000	0.00000	0.00000
Antimony	206.836	0.00000	0.00000	0.00000	0.00000	-3.06000
Arsenic	188.979	0.00000	0.00000	0.00000	0.00000	0.00000
Barium	233.527	0.00000	0.00000	0.00000	0.00000	-2.13600
Cadmium	226.502	0.00000	0.00000	0.00000	-0.41020	0.00000
Chromium	267.716	0.00000	0.00000	0.00000	0.00000	-1.09380
Cobalt	228.616	0.00000	0.00000	0.00000	0.00000	0.00000
Copper	342.752	0.00000	0.00000	0.00000	0.00000	0.00000
Iron	238.204	0.00000	0.00000	0.00000	0.00000	0.00000
Lead	220.353	0.00000	0.00000	0.00000	0.64220	0.00000
Manganese	257.61	0.00000	0.00000	0.00000	0.00000	0.00000
Molybdenum	202.031	0.00000	0.00000	0.00000	0.00000	0.00000
Nickel	231.604	0.00000	0.00000	0.00000	0.00000	0.00000
Phosphorous	214.914	0.00000	0.00000	0.00000	0.00000	0.00000
Potassium	766.48	0.00000	0.00000	0.00000	0.00000	0.00000
Selenium	196.026	0.00000	0.00000	0.00000	0.00000	0.00000
Silicon	251.611	0.00000	0.00000	0.00000	0.00000	0.00000
Silver	328.068	0.00000	0.00000	0.00000	0.00000	-8.48800
Strontium	421.552	0.00000	0.00000	0.00000	0.00000	0.00000
Sulfur	181.975	0.00000	0.00000	0.00000	0.00000	0.00000
Thallium	190.801	0.00000	0.00000	0.00000	0.00000	0.00000
Tin	189.927	0.00000	0.00000	0.00000	0.00000	0.00000
Titanium	334.94	0.00000	0.00000	0.00000	0.50970	0.00000
Uranium	409.014	0.00000	0.00000	0.00000	0.00000	0.00000
Vanadium	292.402	0.00000	0.00000	0.00000	-1.60600	0.00000
Zinc	213.857	0.00000	0.00000	0.00000	0.00000	0.00000

METALS
-11-
Interelement Correction Factors

Lab Code: GEL

GEL Job No: 201226

Contract: CATL00107

Instrument: OPTIMA1

Effective Dates: 01-NOV-07

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

		Zinc
Parmname	Wavelength	
Aluminum	396.153	0.00000
Antimony	206.836	0.00000
Arsenic	188.979	0.00000
Barium	233.527	0.00000
Cadmium	226.502	0.00000
Chromium	267.716	0.00000
Cobalt	228.616	0.00000
Copper	342.752	0.00000
Iron	238.204	0.00000
Lead	220.353	0.00000
Manganese	257.61	0.00000
Molybdenum	202.031	0.00000
Nickel	231.604	0.00000
Phosphorous	214.914	0.00000
Potassium	766.48	0.00000
Selenium	196.026	0.00000
Silicon	251.611	0.00000
Silver	328.068	0.00000
Strontium	421.552	0.00000
Sulfur	181.975	0.00000
Thallium	190.801	0.00000
Tin	189.927	0.00000
Titanium	334.94	0.00000
Uranium	409.014	0.00000
Vanadium	292.402	0.00000
Zinc	213.857	0.00000

METALS
-12-
Linear Ranges

SDG NO. 201226

Contract: CATL00107

Lab Code: GEL

Instrument ID OPTIMA1

<u>Analyte</u>	<u>Integration Time</u>	<u>LDR</u>	<u>Units</u>	<u>Effective Date</u>
Arsenic		10000	ug/L	01-NOV-07
Barium		15000	ug/L	01-NOV-07
Cadmium		10000	ug/L	01-NOV-07
Chromium		25000	ug/L	01-NOV-07
Lead		25000	ug/L	01-NOV-07
Selenium		10000	ug/L	01-NOV-07
Silver		1000	ug/L	01-NOV-07

Raw Data

=====
Analysis Begun

Start Time: 1/22/2008 18:21:57

Plasma On Time: 1/18/2008 22:40:27

Logged In Analyst: optimal

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1030502 Autosampler Model: AS-93plus

Sample Information File: C:\pe\optimal\Sample Information\012208.sif

Batch ID:

Results Data Set: 012208A

Results Library: C:\pe\optimal\Results\Results.mdb

=====
Sequence No.: 1

Autosampler Location: 8

Sample ID: S0

Date Collected: 1/22/2008 18:21:58

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: S0

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc Radial	12307.5	12307.5	100	%	18:23:54
1	Y RADIAL	8516.9	8516.9	100.2	%	18:23:54
1	Al 396.153Radial†	1.6	1.6	[0.00]	ug/L	18:24:14
1	Ca 317.933Radial†	34.0	34.0	[0.00]	ug/L	18:24:14
1	Fe 238.204 Radial†	33.4	33.4	[0.00]	ug/L	18:24:14
1	K 766.490 Radial†	1202.7	1200.7	[0.00]	ug/L	18:23:54
1	Mg 279.077 IEC†	0.1	0.1	[0.00]	ug/L	18:24:14
1	Na 589.592 Radial†	1190.5	1188.5	[0.00]	ug/L	18:23:54
1	Sr 421.552†	34.4	34.4	[0.00]	ug/L	18:23:54
1	Sc 361.383	656548.4	656548.4	100.45	%	18:25:12
1	Y 371.029	434077.6	434077.6	100.39	%	18:25:12
1	Ag 328.068†	-6.0	-5.9	[0.00]	ug/L	18:25:17
1	As 188.979†	-8.4	-8.4	[0.00]	ug/L	18:25:38
1	B 249.677†	283.8	282.5	[0.00]	ug/L	18:25:38
1	Ba 233.527†	-3.9	-3.9	[0.00]	ug/L	18:25:38
1	Be 313.107†	-1984.0	-1975.1	[0.00]	ug/L	18:25:17
1	Cd 226.502†	-79.8	-79.4	[0.00]	ug/L	18:25:38
1	Co 228.616†	-24.3	-24.2	[0.00]	ug/L	18:25:38
1	Cr 267.716†	-25.7	-25.6	[0.00]	ug/L	18:25:38
1	Cu 324.752†	2591.4	2579.7	[0.00]	ug/L	18:25:17
1	Mn 257.610†	133.7	133.1	[0.00]	ug/L	18:25:38
1	Mo 202.031†	44.8	44.6	[0.00]	ug/L	18:25:38
1	Ni 231.604†	155.2	154.5	[0.00]	ug/L	18:25:38
1	P 214.914†	-123.3	-122.7	[0.00]	ug/L	18:25:38
1	Pb 220.353†	73.7	73.4	[0.00]	ug/L	18:25:38
1	S 181.975 Axial†	44.0	43.8	[0.00]	ug/L	18:25:38
1	Sb 206.836†	20.4	20.3	[0.00]	ug/L	18:25:38
1	Se 196.026†	18.0	17.9	[0.00]	ug/L	18:25:38
1	Si 251.611†	437.4	435.5	[0.00]	ug/L	18:25:38
1	Sn 189.927†	1.2	1.2	[0.00]	ug/L	18:25:38
1	Ti 334.940†	667.8	664.7	[0.00]	ug/L	18:25:17
1	Tl 190.801†	-26.3	-26.2	[0.00]	ug/L	18:25:38
1	U 409.014†	-78.0	-77.6	[0.00]	ug/L	18:25:17
1	V 292.402†	-219.4	-218.4	[0.00]	ug/L	18:25:17
1	Zn 213.857†	450.2	448.1	[0.00]	ug/L	18:25:38
1	SiO2†	451.4	449.3	[0.00]	ug/L	18:27:01
2	Sc Radial	12199.8	12199.8	99.3	%	18:24:19
2	Y RADIAL	8476.3	8476.3	99.69	%	18:24:19
2	Al 396.153Radial†	5.4	5.4	[0.00]	ug/L	18:24:39
2	Ca 317.933Radial†	36.4	36.7	[0.00]	ug/L	18:24:39
2	Fe 238.204 Radial†	32.2	32.5	[0.00]	ug/L	18:24:39
2	K 766.490 Radial†	1190.2	1198.7	[0.00]	ug/L	18:24:19
2	Mg 279.077 IEC†	-2.5	-2.5	[0.00]	ug/L	18:24:39
2	Na 589.592 Radial†	1109.0	1116.9	[0.00]	ug/L	18:24:19
2	Sr 421.552†	51.7	52.0	[0.00]	ug/L	18:24:19
2	Sc 361.383	649435.4	649435.4	99.366	%	18:25:43
2	Y 371.029	429986.2	429986.2	99.442	%	18:25:43

2	Ag 328.068†	-38.0	-38.3	[0.00]	ug/L	18:25:48
2	As 188.979†	-8.6	-8.6	[0.00]	ug/L	18:26:08
2	B 249.677†	289.0	290.9	[0.00]	ug/L	18:26:08
2	Ba 233.527†	-0.9	-0.9	[0.00]	ug/L	18:26:08
2	Be 313.107†	-2015.6	-2028.4	[0.00]	ug/L	18:25:48
2	Cd 226.502†	-87.2	-87.8	[0.00]	ug/L	18:26:08
2	Co 228.616†	-19.5	-19.6	[0.00]	ug/L	18:26:08
2	Cr 267.716†	-31.0	-31.2	[0.00]	ug/L	18:26:08
2	Cu 324.752†	2670.9	2687.9	[0.00]	ug/L	18:25:48
2	Mn 257.610†	130.3	131.2	[0.00]	ug/L	18:26:08
2	Mo 202.031†	50.5	50.8	[0.00]	ug/L	18:26:08
2	Ni 231.604†	141.6	142.5	[0.00]	ug/L	18:26:08
2	P 214.914†	-118.7	-119.5	[0.00]	ug/L	18:26:08
2	Pb 220.353†	70.7	71.1	[0.00]	ug/L	18:26:08
2	S 181.975 Axial†	47.2	47.5	[0.00]	ug/L	18:26:08
2	Sb 206.836†	27.4	27.5	[0.00]	ug/L	18:26:08
2	Se 196.026†	22.0	22.1	[0.00]	ug/L	18:26:08
2	Si 251.611†	436.0	438.8	[0.00]	ug/L	18:26:08
2	Sn 189.927†	1.3	1.3	[0.00]	ug/L	18:26:08
2	Ti 334.940†	654.6	658.8	[0.00]	ug/L	18:25:48
2	Tl 190.801†	-20.3	-20.4	[0.00]	ug/L	18:26:08
2	U 409.014†	-34.6	-34.8	[0.00]	ug/L	18:25:48
2	V 292.402†	-195.9	-197.2	[0.00]	ug/L	18:25:48
2	Zn 213.857†	466.5	469.4	[0.00]	ug/L	18:26:08
2	SiO2†	437.1	439.9	[0.00]	ug/L	18:27:22
3	Sc Radial	12353.7	12353.7	101	%	18:24:45
3	Y RADIAL	8513.8	8513.8	100.1	%	18:24:45
3	Al 396.153Radial†	-0.1	-0.1	[0.00]	ug/L	18:25:05
3	Ca 317.933Radial†	35.1	34.9	[0.00]	ug/L	18:25:05
3	Fe 238.204 Radial†	34.9	34.8	[0.00]	ug/L	18:25:05
3	K 766.490 Radial†	1226.7	1220.1	[0.00]	ug/L	18:24:45
3	Mg 279.077 IEC†	2.1	2.1	[0.00]	ug/L	18:25:05
3	Na 589.592 Radial†	1157.0	1150.8	[0.00]	ug/L	18:24:45
3	Sr 421.552†	38.6	38.4	[0.00]	ug/L	18:24:45
3	Sc 361.383	654753.4	654753.4	100.18	%	18:26:14
3	Y 371.029	433134.6	433134.6	100.17	%	18:26:14
3	Ag 328.068†	-6.0	-5.9	[0.00]	ug/L	18:26:19
3	As 188.979†	-10.2	-10.2	[0.00]	ug/L	18:26:40
3	B 249.677†	282.8	282.2	[0.00]	ug/L	18:26:40
3	Ba 233.527†	-7.6	-7.6	[0.00]	ug/L	18:26:40
3	Be 313.107†	-1989.3	-1985.7	[0.00]	ug/L	18:26:19
3	Cd 226.502†	-77.7	-77.5	[0.00]	ug/L	18:26:40
3	Co 228.616†	-23.5	-23.4	[0.00]	ug/L	18:26:40
3	Cr 267.716†	-30.2	-30.2	[0.00]	ug/L	18:26:40
3	Cu 324.752†	2624.6	2619.9	[0.00]	ug/L	18:26:19
3	Mn 257.610†	134.8	134.6	[0.00]	ug/L	18:26:40
3	Mo 202.031†	42.6	42.6	[0.00]	ug/L	18:26:40
3	Ni 231.604†	154.9	154.6	[0.00]	ug/L	18:26:40
3	P 214.914†	-120.3	-120.1	[0.00]	ug/L	18:26:40
3	Pb 220.353†	59.7	59.6	[0.00]	ug/L	18:26:40
3	S 181.975 Axial†	47.0	46.9	[0.00]	ug/L	18:26:40
3	Sb 206.836†	26.7	26.7	[0.00]	ug/L	18:26:40
3	Se 196.026†	14.0	13.9	[0.00]	ug/L	18:26:40
3	Si 251.611†	436.7	435.9	[0.00]	ug/L	18:26:40
3	Sn 189.927†	-3.2	-3.2	[0.00]	ug/L	18:26:40
3	Ti 334.940†	693.1	691.9	[0.00]	ug/L	18:26:19
3	Tl 190.801†	-25.2	-25.2	[0.00]	ug/L	18:26:40
3	U 409.014†	-50.8	-50.7	[0.00]	ug/L	18:26:19
3	V 292.402†	-149.4	-149.2	[0.00]	ug/L	18:26:19
3	Zn 213.857†	442.5	441.7	[0.00]	ug/L	18:26:40
3	SiO2†	437.7	436.9	[0.00]	ug/L	18:27:42

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc. Units
Sc 361.383	653579.1	3699.05	0.57%	100.000 %
Sc Radial	12287.0	79.00	0.64%	100.0 %
Y 371.029	432399.5	2142.48	0.50%	100.000 %
Y RADIAL	8502.3	22.57	0.27%	100.0 %
Ag 328.068†	-16.7	18.67	111.73%	[0.00] ug/L

Al 396.153Radial†	2.3	2.80	121.29%	[0.00]	ug/L
As 188.979†	-9.1	0.98	10.82%	[0.00]	ug/L
B 249.677†	285.2	4.89	1.72%	[0.00]	ug/L
Ba 233.527†	-4.1	3.37	81.67%	[0.00]	ug/L
Be 313.107†	-1996.4	28.25	1.41%	[0.00]	ug/L
Ca 317.933Radial†	35.2	1.38	3.91%	[0.00]	ug/L
Cd 226.502†	-81.6	5.45	6.68%	[0.00]	ug/L
Co 228.616†	-22.4	2.44	10.86%	[0.00]	ug/L
Cr 267.716†	-29.0	3.00	10.36%	[0.00]	ug/L
Cu 324.752†	2629.2	54.73	2.08%	[0.00]	ug/L
Fe 238.204 Radial†	33.5	1.15	3.43%	[0.00]	ug/L
K 766.490 Radial†	1206.5	11.80	0.98%	[0.00]	ug/L
Mg 279.077 IEC†	-0.1	2.34	>999.9%	[0.00]	ug/L
Mn 257.610†	132.9	1.70	1.28%	[0.00]	ug/L
Mo 202.031†	46.0	4.27	9.29%	[0.00]	ug/L
Na 589.592 Radial†	1152.1	35.83	3.11%	[0.00]	ug/L
Ni 231.604†	150.6	6.96	4.62%	[0.00]	ug/L
P 214.914†	-120.8	1.71	1.41%	[0.00]	ug/L
Pb 220.353†	68.0	7.38	10.85%	[0.00]	ug/L
S 181.975 Axial†	46.1	1.97	4.28%	[0.00]	ug/L
Sb 206.836†	24.8	3.94	15.87%	[0.00]	ug/L
Se 196.026†	18.0	4.07	22.66%	[0.00]	ug/L
Si 251.611†	436.7	1.81	0.41%	[0.00]	ug/L
Sn 189.927†	-0.2	2.57	>999.9%	[0.00]	ug/L
Sr 421.552†	41.6	9.25	22.24%	[0.00]	ug/L
Ti 334.940†	671.8	17.65	2.63%	[0.00]	ug/L
Tl 190.801†	-23.9	3.09	12.91%	[0.00]	ug/L
U 409.014†	-54.4	21.62	39.75%	[0.00]	ug/L
V 292.402†	-188.3	35.48	18.85%	[0.00]	ug/L
Zn 213.857†	453.1	14.51	3.20%	[0.00]	ug/L
SiO2†	442.0	6.49	1.47%	[0.00]	ug/L

Sequence No.: 2

Sample ID: S0.1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 2

Date Collected: 1/22/2008 18:29:53

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: S0.1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib.	Analysis Time
1	Sc Radial	12401.3	12401.3	101 %		18:31:46
1	Y RADIAL	8622.8	8622.8	101.4 %		18:31:46
1	K 766.490 Radial†	6640.7	5373.0	[1000] ug/L		18:31:46
1	Sr 421.552†	21909.2	21665.7	[100] ug/L		18:31:46
1	Sc 361.383	648660.9	648660.9	99.247 %		18:32:05
1	Y 371.029	429392.7	429392.7	99.305 %		18:32:05
1	Ag 328.068†	10674.6	10772.3	[100] ug/L		18:32:05
1	As 188.979†	167.8	178.1	[100] ug/L		18:32:25
1	B 249.677†	3107.8	2846.2	[100] ug/L		18:32:05
1	Ba 233.527†	5301.2	5345.6	[100] ug/L		18:32:25
1	Be 313.107†	149932.5	153065.7	[100] ug/L		18:32:05
1	Cd 226.502†	5779.7	5905.1	[100] ug/L		18:32:25
1	Co 228.616†	2943.9	2988.6	[100] ug/L		18:32:25
1	Cr 267.716†	4666.3	4730.7	[100] ug/L		18:32:25
1	Cu 324.752†	16519.3	14015.4	[100] ug/L		18:32:05
1	Mn 257.610†	38150.0	38306.3	[100] ug/L		18:32:05
1	Mo 202.031†	1929.7	1898.4	[100] ug/L		18:32:25
1	Ni 231.604†	2819.0	2689.8	[100] ug/L		18:32:25
1	P 214.914†	369.3	492.8	[500] ug/L		18:32:25
1	Pb 220.353†	746.6	684.2	[100] ug/L		18:32:25
1	S 181.975 Axial†	197.8	153.2	[200] ug/L		18:32:25
1	Sb 206.836†	202.6	179.3	[100] ug/L		18:32:25
1	Se 196.026†	212.1	195.7	[100] ug/L		18:32:25
1	Si 251.611†	7828.8	7451.5	[500] ug/L		18:32:05
1	Sn 189.927†	663.2	668.4	[100] ug/L		18:32:25
1	Ti 334.940†	44531.8	44197.7	[100] ug/L		18:32:05
1	Tl 190.801†	156.8	181.9	[100] ug/L		18:32:25
1	U 409.014†	1374.3	1439.1	[100] ug/L		18:32:05
1	V 292.402†	8199.9	8450.4	[100] ug/L		18:32:05
1	Zn 213.857†	7338.7	6941.2	[100] ug/L		18:32:05
1	SiO2†	7909.6	7527.5	[1069.5] ug/L		18:33:23
2	Sc Radial	12365.7	12365.7	101 %		18:31:51
2	Y RADIAL	8598.1	8598.1	101.1 %		18:31:51
2	K 766.490 Radial†	6566.7	5318.5	[1000] ug/L		18:31:51
2	Sr 421.552†	21885.9	21705.0	[100] ug/L		18:31:51
2	Sc 361.383	652877.6	652877.6	99.893 %		18:32:31
2	Y 371.029	432673.1	432673.1	100.06 %		18:32:31
2	Ag 328.068†	10835.4	10863.7	[100] ug/L		18:32:31
2	As 188.979†	172.4	181.7	[100] ug/L		18:32:51
2	B 249.677†	3090.0	2808.1	[100] ug/L		18:32:31
2	Ba 233.527†	5345.1	5354.9	[100] ug/L		18:32:51
2	Be 313.107†	151297.5	153456.5	[100] ug/L		18:32:31
2	Cd 226.502†	5811.4	5899.2	[100] ug/L		18:32:51
2	Co 228.616†	2966.4	2992.0	[100] ug/L		18:32:51
2	Cr 267.716†	4698.5	4732.6	[100] ug/L		18:32:51
2	Cu 324.752†	16670.2	14058.9	[100] ug/L		18:32:31
2	Mn 257.610†	38415.9	38324.3	[100] ug/L		18:32:31
2	Mo 202.031†	1954.2	1910.3	[100] ug/L		18:32:51
2	Ni 231.604†	2832.8	2685.3	[100] ug/L		18:32:51
2	P 214.914†	371.3	492.4	[500] ug/L		18:32:51
2	Pb 220.353†	757.9	690.7	[100] ug/L		18:32:51
2	S 181.975 Axial†	199.1	153.3	[200] ug/L		18:32:51
2	Sb 206.836†	208.7	184.1	[100] ug/L		18:32:51
2	Se 196.026†	197.0	179.2	[100] ug/L		18:32:51
2	Si 251.611†	7974.2	7546.0	[500] ug/L		18:32:31
2	Sn 189.927†	664.8	665.7	[100] ug/L		18:32:51
2	Ti 334.940†	44911.8	44288.3	[100] ug/L		18:32:31
2	Tl 190.801†	156.3	180.4	[100] ug/L		18:32:51
2	U 409.014†	1478.2	1534.2	[100] ug/L		18:32:31

2	V 292.402†	8197.7	8394.8	[100]	ug/L	18:32:31
2	Zn 213.857†	7418.4	6973.3	[100]	ug/L	18:32:31
2	SiO2†	7958.5	7525.0	[1069.5]	ug/L	18:33:28
3	Sc Radial	12416.0	12416.0	101	%	18:31:56
3	Y RADIAL	8609.6	8609.6	101.3	%	18:31:56
3	K 766.490 Radial†	6522.7	5248.5	[1000]	ug/L	18:31:56
3	Sr 421.552†	21914.3	21645.0	[100]	ug/L	18:31:56
3	Sc 361.383	655342.7	655342.7	100.27	%	18:32:57
3	Y 371.029	434016.9	434016.9	100.37	%	18:32:57
3	Ag 328.068†	10863.5	10851.0	[100]	ug/L	18:32:57
3	As 188.979†	170.4	179.0	[100]	ug/L	18:33:17
3	B 249.677†	3119.7	2826.1	[100]	ug/L	18:32:57
3	Ba 233.527†	5339.4	5329.1	[100]	ug/L	18:33:17
3	Be 313.107†	151486.8	153075.6	[100]	ug/L	18:32:57
3	Cd 226.502†	5840.8	5906.7	[100]	ug/L	18:33:17
3	Co 228.616†	2966.7	2981.2	[100]	ug/L	18:33:17
3	Cr 267.716†	4698.3	4714.6	[100]	ug/L	18:33:17
3	Cu 324.752†	16742.3	14068.0	[100]	ug/L	18:32:57
3	Mn 257.610†	38439.8	38203.5	[100]	ug/L	18:32:57
3	Mo 202.031†	1962.5	1911.2	[100]	ug/L	18:33:17
3	Ni 231.604†	2851.0	2692.8	[100]	ug/L	18:33:17
3	P 214.914†	363.4	483.2	[500]	ug/L	18:33:17
3	Pb 220.353†	770.8	700.7	[100]	ug/L	18:33:17
3	S 181.975 Axial†	200.8	154.2	[200]	ug/L	18:33:17
3	Sb 206.836†	212.2	186.8	[100]	ug/L	18:33:17
3	Se 196.026†	205.8	187.3	[100]	ug/L	18:33:17
3	Si 251.611†	7960.2	7502.0	[500]	ug/L	18:32:57
3	Sn 189.927†	669.9	668.3	[100]	ug/L	18:33:17
3	Ti 334.940†	45079.2	44286.1	[100]	ug/L	18:32:57
3	Tl 190.801†	161.2	184.7	[100]	ug/L	18:33:17
3	U 409.014†	1319.9	1370.8	[100]	ug/L	18:32:57
3	V 292.402†	8277.7	8443.6	[100]	ug/L	18:32:57
3	Zn 213.857†	7448.2	6975.1	[100]	ug/L	18:32:57
3	SiO2†	7942.6	7479.2	[1069.5]	ug/L	18:33:33

Mean Data: S0.1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	652293.7	3378.93	0.52%	99.803	%
Sc Radial	12394.3	25.87	0.21%	101	%
Y 371.029	432027.6	2378.74	0.55%	99.914	%
Y RADIAL	8610.2	12.38	0.14%	101.3	%
Ag 328.068†	10829.0	49.53	0.46%	[100]	ug/L
As 188.979†	179.6	1.84	1.02%	[100]	ug/L
B 249.677†	2826.8	19.05	0.67%	[100]	ug/L
Ba 233.527†	5343.2	13.05	0.24%	[100]	ug/L
Be 313.107†	153199.3	222.84	0.15%	[100]	ug/L
Cd 226.502†	5903.7	3.94	0.07%	[100]	ug/L
Co 228.616†	2987.3	5.53	0.19%	[100]	ug/L
Cr 267.716†	4725.9	9.86	0.21%	[100]	ug/L
Cu 324.752†	14047.4	28.13	0.20%	[100]	ug/L
K 766.490 Radial†	5313.3	62.43	1.17%	[1000]	ug/L
Mn 257.610†	38278.0	65.19	0.17%	[100]	ug/L
Mo 202.031†	1906.6	7.16	0.38%	[100]	ug/L
Ni 231.604†	2689.3	3.78	0.14%	[100]	ug/L
P 214.914†	489.5	5.43	1.11%	[500]	ug/L
Pb 220.353†	691.8	8.31	1.20%	[100]	ug/L
S 181.975 Axial†	153.6	0.56	0.37%	[200]	ug/L
Sb 206.836†	183.4	3.80	2.07%	[100]	ug/L
Se 196.026†	187.4	8.23	4.39%	[100]	ug/L
Si 251.611†	7499.8	47.31	0.63%	[500]	ug/L
Sn 189.927†	667.5	1.55	0.23%	[100]	ug/L
Sr 421.552†	21671.9	30.49	0.14%	[100]	ug/L
Ti 334.940†	44257.3	51.69	0.12%	[100]	ug/L
Tl 190.801†	182.3	2.19	1.20%	[100]	ug/L
U 409.014†	1448.0	82.08	5.67%	[100]	ug/L
V 292.402†	8429.6	30.35	0.36%	[100]	ug/L
Zn 213.857†	6963.2	19.06	0.27%	[100]	ug/L
SiO2†	7510.6	27.23	0.36%	[1069.5]	ug/L

Sequence No.: 3

Sample ID: S0.5

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 1/22/2008 18:35:46

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: S0.5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Analysis Time
1	Sc Radial	12323.5	12323.5	100 %	18:37:40
1	Y RADIAL	8492.7	8492.7	99.89 %	18:37:40
1	Al 396.153Radial†	4397.2	4381.8	[5000] ug/L	18:37:40
1	Ca 317.933Radial†	3937.3	3890.4	[5000] ug/L	18:37:40
1	K 766.490 Radial†	28611.5	27320.2	[5000] ug/L	18:37:40
1	Mg 279.077 IEC†	225.0	224.4	[5000] ug/L	18:38:00
1	Sr 421.552†	111121.6	110750.8	[500] ug/L	18:37:40
1	Sc 361.383	653851.3	653851.3	100.04 %	18:39:01
1	Y 371.029	430014.4	430014.4	99.448 %	18:39:01
1	Ag 328.068†	55243.8	55237.5	[500] ug/L	18:39:01
1	As 188.979†	935.3	944.0	[500] ug/L	18:39:21
1	B 249.677†	15066.7	14775.3	[500] ug/L	18:39:01
1	Ba 233.527†	27243.7	27236.5	[500] ug/L	18:39:01
1	Be 313.107†	778302.9	779975.3	[500] ug/L	18:39:01
1	Cd 226.502†	30149.4	30218.4	[500] ug/L	18:39:01
1	Co 228.616†	15042.0	15058.1	[500] ug/L	18:39:21
1	Cr 267.716†	24295.7	24314.6	[500] ug/L	18:39:01
1	Cu 324.752†	75490.8	72830.2	[500] ug/L	18:39:01
1	Mn 257.610†	191558.1	191345.4	[500] ug/L	18:39:01
1	Mo 202.031†	9963.4	9913.2	[500] ug/L	18:39:21
1	Ni 231.604†	13775.4	13619.1	[500] ug/L	18:39:01
1	P 214.914†	2402.2	2522.0	[2500] ug/L	18:39:21
1	Pb 220.353†	3553.8	3484.3	[500] ug/L	18:39:21
1	S 181.975 Axial†	849.2	802.8	[1000] ug/L	18:39:21
1	Sb 206.836†	1094.8	1069.5	[500] ug/L	18:39:21
1	Se 196.026†	998.3	979.9	[500] ug/L	18:39:21
1	Si 251.611†	39984.1	39530.7	[2500] ug/L	18:39:01
1	Sn 189.927†	3401.9	3400.7	[500] ug/L	18:39:21
1	Ti 334.940†	227158.7	226392.4	[500] ug/L	18:39:01
1	Tl 190.801†	939.5	963.0	[500] ug/L	18:39:21
1	U 409.014†	7842.6	7893.7	[500] ug/L	18:39:01
1	V 292.402†	43134.7	43305.0	[500] ug/L	18:39:01
1	Zn 213.857†	36039.5	35571.4	[500] ug/L	18:39:01
1	SiO2†	39988.2	39529.5	[5347.5] ug/L	18:40:22
2	Sc Radial	12494.9	12494.9	102 %	18:38:06
2	Y RADIAL	8625.9	8625.9	101.5 %	18:38:06
2	Al 396.153Radial†	4428.3	4352.3	[5000] ug/L	18:38:06
2	Ca 317.933Radial†	3958.0	3856.9	[5000] ug/L	18:38:06
2	K 766.490 Radial†	28901.1	27213.7	[5000] ug/L	18:38:06
2	Mg 279.077 IEC†	224.6	221.0	[5000] ug/L	18:38:26
2	Sr 421.552†	112097.5	110190.8	[500] ug/L	18:38:06
2	Sc 361.383	655398.0	655398.0	100.28 %	18:39:28
2	Y 371.029	431070.8	431070.8	99.693 %	18:39:28
2	Ag 328.068†	55421.9	55284.8	[500] ug/L	18:39:28
2	As 188.979†	942.4	948.8	[500] ug/L	18:39:49
2	B 249.677†	15069.3	14742.3	[500] ug/L	18:39:28
2	Ba 233.527†	27415.6	27343.6	[500] ug/L	18:39:28
2	Be 313.107†	782640.0	782464.4	[500] ug/L	18:39:28
2	Cd 226.502†	30366.6	30363.9	[500] ug/L	18:39:28
2	Co 228.616†	15058.0	15038.6	[500] ug/L	18:39:49
2	Cr 267.716†	24421.9	24383.1	[500] ug/L	18:39:28
2	Cu 324.752†	75545.8	72707.0	[500] ug/L	18:39:28
2	Mn 257.610†	192527.3	191860.1	[500] ug/L	18:39:28
2	Mo 202.031†	9996.9	9923.1	[500] ug/L	18:39:49
2	Ni 231.604†	13830.8	13641.8	[500] ug/L	18:39:28
2	P 214.914†	2392.3	2506.5	[2500] ug/L	18:39:49
2	Pb 220.353†	3566.1	3488.2	[500] ug/L	18:39:49
2	S 181.975 Axial†	853.5	805.0	[1000] ug/L	18:39:49
2	Sb 206.836†	1092.4	1064.5	[500] ug/L	18:39:49

2	Se 196.026†	993.0	972.3	[500]	ug/L	18:39:49
2	Si 251.611†	40123.9	39575.9	[2500]	ug/L	18:39:28
2	Sn 189.927†	3399.9	3390.7	[500]	ug/L	18:39:49
2	Ti 334.940†	228076.4	226771.6	[500]	ug/L	18:39:28
2	Tl 190.801†	933.9	955.2	[500]	ug/L	18:39:49
2	U 409.014†	7836.0	7868.6	[500]	ug/L	18:39:28
2	V 292.402†	43352.3	43420.3	[500]	ug/L	18:39:28
2	Zn 213.857†	36277.0	35723.2	[500]	ug/L	18:39:28
2	SiO2†	40314.4	39760.5	[5347.5]	ug/L	18:40:28
3	Sc Radial	12376.4	12376.4	101	%	18:38:31
3	Y RADIAL	8564.6	8564.6	100.7	%	18:38:31
3	Al 396.153Radial†	4447.5	4413.0	[5000]	ug/L	18:38:31
3	Ca 317.933Radial†	3985.5	3921.5	[5000]	ug/L	18:38:31
3	K 766.490 Radial†	28753.8	27339.7	[5000]	ug/L	18:38:31
3	Mg 279.077 IEC†	226.3	224.7	[5000]	ug/L	18:38:51
3	Sr 421.552†	111910.4	111060.8	[500]	ug/L	18:38:31
3	Sc 361.383	650570.1	650570.1	99.540	%	18:39:56
3	Y 371.029	427808.2	427808.2	98.938	%	18:39:56
3	Ag 328.068†	55097.3	55368.8	[500]	ug/L	18:39:56
3	As 188.979†	936.9	950.3	[500]	ug/L	18:40:17
3	B 249.677†	15019.5	14803.8	[500]	ug/L	18:39:56
3	Ba 233.527†	27137.0	27266.7	[500]	ug/L	18:39:56
3	Be 313.107†	777177.6	782768.5	[500]	ug/L	18:39:56
3	Cd 226.502†	30156.6	30377.7	[500]	ug/L	18:39:56
3	Co 228.616†	15057.0	15149.1	[500]	ug/L	18:40:17
3	Cr 267.716†	24255.7	24396.8	[500]	ug/L	18:39:56
3	Cu 324.752†	75114.6	72832.8	[500]	ug/L	18:39:56
3	Mn 257.610†	191153.0	191904.2	[500]	ug/L	18:39:56
3	Mo 202.031†	10012.2	10012.5	[500]	ug/L	18:40:17
3	Ni 231.604†	13768.5	13681.6	[500]	ug/L	18:39:56
3	P 214.914†	2390.2	2522.1	[2500]	ug/L	18:40:17
3	Pb 220.353†	3544.2	3492.6	[500]	ug/L	18:40:17
3	S 181.975 Axial†	846.3	804.1	[1000]	ug/L	18:40:17
3	Sb 206.836†	1098.7	1079.0	[500]	ug/L	18:40:17
3	Se 196.026†	996.6	983.2	[500]	ug/L	18:40:17
3	Si 251.611†	39842.2	39589.8	[2500]	ug/L	18:39:56
3	Sn 189.927†	3403.8	3419.8	[500]	ug/L	18:40:17
3	Ti 334.940†	226743.2	227120.1	[500]	ug/L	18:39:56
3	Tl 190.801†	937.9	966.2	[500]	ug/L	18:40:17
3	U 409.014†	7788.5	7878.9	[500]	ug/L	18:39:56
3	V 292.402†	42998.2	43385.3	[500]	ug/L	18:39:56
3	Zn 213.857†	35984.0	35697.3	[500]	ug/L	18:39:56
3	SiO2†	39924.8	39667.4	[5347.5]	ug/L	18:40:33

Mean Data: S0.5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	653273.2	2465.31	0.38%	99.953	%
Sc Radial	12398.3	87.76	0.71%	101	%
Y 371.029	429631.1	1664.71	0.39%	99.360	%
Y RADIAL	8561.1	66.67	0.78%	100.7	%
Ag 328.068†	55297.0	66.52	0.12%	[500]	ug/L
Al 396.153Radial†	4382.4	30.38	0.69%	[5000]	ug/L
As 188.979†	947.7	3.32	0.35%	[500]	ug/L
B 249.677†	14773.8	30.76	0.21%	[500]	ug/L
Ba 233.527†	27282.3	55.25	0.20%	[500]	ug/L
Be 313.107†	781736.1	1532.42	0.20%	[500]	ug/L
Ca 317.933Radial†	3889.6	32.30	0.83%	[5000]	ug/L
Cd 226.502†	30320.0	88.23	0.29%	[500]	ug/L
Co 228.616†	15081.9	58.98	0.39%	[500]	ug/L
Cr 267.716†	24364.8	44.06	0.18%	[500]	ug/L
Cu 324.752†	72790.0	71.89	0.10%	[500]	ug/L
K 766.490 Radial†	27291.2	67.79	0.25%	[5000]	ug/L
Mg 279.077 IEC†	223.4	2.09	0.94%	[5000]	ug/L
Mn 257.610†	191703.2	310.68	0.16%	[500]	ug/L
Mo 202.031†	9949.6	54.70	0.55%	[500]	ug/L
Ni 231.604†	13647.5	31.66	0.23%	[500]	ug/L
P 214.914†	2516.8	8.98	0.36%	[2500]	ug/L
Pb 220.353†	3488.3	4.15	0.12%	[500]	ug/L
S 181.975 Axial†	804.0	1.12	0.14%	[1000]	ug/L

Sb 206.836†	1071.0	7.33	0.68%	[500]	ug/L
Se 196.026†	978.5	5.60	0.57%	[500]	ug/L
Si 251.611†	39565.4	30.88	0.08%	[2500]	ug/L
Sn 189.927†	3403.7	14.81	0.44%	[500]	ug/L
Sr 421.552†	110667.5	440.97	0.40%	[500]	ug/L
Ti 334.940†	226761.4	364.00	0.16%	[500]	ug/L
Tl 190.801†	961.4	5.65	0.59%	[500]	ug/L
U 409.014†	7880.4	12.64	0.16%	[500]	ug/L
V 292.402†	43370.2	59.12	0.14%	[500]	ug/L
Zn 213.857†	35664.0	81.25	0.23%	[500]	ug/L
SiO2†	39652.5	116.20	0.29%	[5347.5]	ug/L

Sequence No.: 4

Sample ID: SCAL

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 4

Date Collected: 1/22/2008 18:42:50

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: SCAL

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc Radial	12626.9	12626.9	103	%	18:44:44
1	Y RADIAL	8710.1	8710.1	102.4	%	18:44:44
1	Al 396.153Radial†	8659.2	8423.7	[10000]	ug/L	18:44:44
1	Ca 317.933Radial†	7744.8	7501.1	[10000]	ug/L	18:44:44
1	Fe 238.204 Radial†	1279.7	1211.7	[10000]	ug/L	18:45:04
1	K 766.490 Radial†	55052.0	52363.5	[10000]	ug/L	18:44:44
1	Mg 279.077 IEC†	439.7	428.0	[10000]	ug/L	18:45:04
1	Na 589.592 Radial†	116881.9	112583.3	[10000]	ug/L	18:44:44
1	Sr 421.552†	218176.8	212261.9	[1000]	ug/L	18:44:44
1	Sc 361.383	665162.5	665162.5	101.77	%	18:46:08
1	Y 371.029	435035.2	435035.2	100.61	%	18:46:08
1	Ag 328.068†	108766.1	106888.7	[1000]	ug/L	18:46:08
1	As 188.979†	1838.3	1815.4	[1000]	ug/L	18:46:28
1	B 249.677†	29319.5	28523.7	[1000]	ug/L	18:46:08
1	Ba 233.527†	53279.8	52356.0	[1000]	ug/L	18:46:08
1	Be 313.107†	1531380.4	1506708.6	[1000]	ug/L	18:46:08
1	Cd 226.502†	59254.3	58304.0	[1000]	ug/L	18:46:08
1	Co 228.616†	29128.6	28643.7	[1000]	ug/L	18:46:28
1	Cr 267.716†	47597.5	46797.6	[1000]	ug/L	18:46:08
1	Cu 324.752†	146360.7	141182.7	[1000]	ug/L	18:46:08
1	Mn 257.610†	374617.5	367960.8	[1000]	ug/L	18:46:08
1	Mo 202.031†	19459.0	19074.2	[1000]	ug/L	18:46:28
1	Ni 231.604†	26358.0	25748.4	[1000]	ug/L	18:46:28
1	P 214.914†	4817.4	4854.3	[5000]	ug/L	18:46:28
1	Pb 220.353†	6863.8	6676.2	[1000]	ug/L	18:46:28
1	S 181.975 Axial†	1612.6	1538.4	[2000]	ug/L	18:46:28
1	Sb 206.836†	2136.5	2074.5	[1000]	ug/L	18:46:28
1	Se 196.026†	1931.7	1880.1	[1000]	ug/L	18:46:28
1	Si 251.611†	77023.4	75245.4	[5000]	ug/L	18:46:08
1	Sn 189.927†	6630.8	6515.6	[1000]	ug/L	18:46:28
1	Ti 334.940†	447005.6	438549.4	[1000]	ug/L	18:46:08
1	Tl 190.801†	1845.8	1837.5	[1000]	ug/L	18:46:28
1	U 409.014†	15268.1	15056.6	[1000]	ug/L	18:46:08
1	V 292.402†	85007.4	83715.3	[1000]	ug/L	18:46:08
1	Zn 213.857†	70002.5	68330.3	[1000]	ug/L	18:46:08
1	SiO2†	76447.2	74673.8	[10695]	ug/L	18:47:34
2	Sc Radial	12503.8	12503.8	102	%	18:45:10
2	Y RADIAL	8617.8	8617.8	101.4	%	18:45:10
2	Al 396.153Radial†	8568.5	8417.6	[10000]	ug/L	18:45:10
2	Ca 317.933Radial†	7657.8	7489.8	[10000]	ug/L	18:45:10
2	Fe 238.204 Radial†	1285.9	1230.1	[10000]	ug/L	18:45:30
2	K 766.490 Radial†	54657.5	52503.4	[10000]	ug/L	18:45:10
2	Mg 279.077 IEC†	437.6	430.1	[10000]	ug/L	18:45:30
2	Na 589.592 Radial†	116098.8	112933.9	[10000]	ug/L	18:45:10
2	Sr 421.552†	216243.8	212453.1	[1000]	ug/L	18:45:10
2	Sc 361.383	662297.3	662297.3	101.33	%	18:46:38
2	Y 371.029	433251.3	433251.3	100.20	%	18:46:38
2	Ag 328.068†	107684.6	106283.8	[1000]	ug/L	18:46:38
2	As 188.979†	1849.1	1833.8	[1000]	ug/L	18:46:58
2	B 249.677†	29120.8	28452.3	[1000]	ug/L	18:46:38
2	Ba 233.527†	52834.4	52143.0	[1000]	ug/L	18:46:38
2	Be 313.107†	1517876.8	1499892.7	[1000]	ug/L	18:46:38
2	Cd 226.502†	58738.9	58047.3	[1000]	ug/L	18:46:38
2	Co 228.616†	29245.5	28882.9	[1000]	ug/L	18:46:58
2	Cr 267.716†	47345.4	46751.2	[1000]	ug/L	18:46:38
2	Cu 324.752†	144803.1	140267.8	[1000]	ug/L	18:46:38
2	Mn 257.610†	371282.0	366261.7	[1000]	ug/L	18:46:38
2	Mo 202.031†	19530.6	19227.5	[1000]	ug/L	18:46:58
2	Ni 231.604†	26441.6	25942.9	[1000]	ug/L	18:46:58

2	P 214.914†	4830.3	4887.5	[5000]	ug/L	18:46:58
2	Pb 220.353†	6882.4	6723.8	[1000]	ug/L	18:46:58
2	S 181.975 Axial†	1622.2	1554.7	[2000]	ug/L	18:46:58
2	Sb 206.836†	2153.9	2100.8	[1000]	ug/L	18:46:58
2	Se 196.026†	1925.6	1882.3	[1000]	ug/L	18:46:58
2	Si 251.611†	76285.6	74844.7	[5000]	ug/L	18:46:38
2	Sn 189.927†	6638.1	6550.9	[1000]	ug/L	18:46:58
2	Ti 334.940†	443147.9	436642.7	[1000]	ug/L	18:46:38
2	Tl 190.801†	1849.4	1849.0	[1000]	ug/L	18:46:58
2	U 409.014†	15232.5	15086.4	[1000]	ug/L	18:46:38
2	V 292.402†	84286.6	83365.3	[1000]	ug/L	18:46:38
2	Zn 213.857†	69455.2	68087.8	[1000]	ug/L	18:46:38
2	SiO2†	76699.6	75247.9	[10695]	ug/L	18:47:40
3	Sc Radial	12609.5	12609.5	103	%	18:45:35
3	Y RADIAL	8724.7	8724.7	102.6	%	18:45:35
3	Al 396.153Radial†	8628.0	8405.0	[10000]	ug/L	18:45:35
3	Ca 317.933Radial†	7727.3	7494.4	[10000]	ug/L	18:45:35
3	Fe 238.204 Radial†	1273.0	1206.9	[10000]	ug/L	18:45:55
3	K 766.490 Radial†	55045.1	52430.6	[10000]	ug/L	18:45:35
3	Mg 279.077 IEC†	437.1	426.0	[10000]	ug/L	18:45:55
3	Na 589.592 Radial†	117165.6	113016.6	[10000]	ug/L	18:45:35
3	Sr 421.552†	218604.6	212971.4	[1000]	ug/L	18:45:35
3	Sc 361.383	663687.6	663687.6	101.55	%	18:47:08
3	Y 371.029	433503.5	433503.5	100.26	%	18:47:08
3	Ag 328.068†	108129.8	106499.6	[1000]	ug/L	18:47:08
3	As 188.979†	1849.7	1830.6	[1000]	ug/L	18:47:29
3	B 249.677†	29234.7	28504.2	[1000]	ug/L	18:47:08
3	Ba 233.527†	53048.5	52244.7	[1000]	ug/L	18:47:08
3	Be 313.107†	1526016.0	1504770.0	[1000]	ug/L	18:47:08
3	Cd 226.502†	59135.2	58316.1	[1000]	ug/L	18:47:08
3	Co 228.616†	29318.2	28894.1	[1000]	ug/L	18:47:29
3	Cr 267.716†	47577.3	46881.6	[1000]	ug/L	18:47:08
3	Cu 324.752†	145268.0	140426.2	[1000]	ug/L	18:47:08
3	Mn 257.610†	373187.3	367370.4	[1000]	ug/L	18:47:08
3	Mo 202.031†	19577.0	19232.8	[1000]	ug/L	18:47:29
3	Ni 231.604†	26512.6	25958.2	[1000]	ug/L	18:47:29
3	P 214.914†	4832.6	4879.8	[5000]	ug/L	18:47:29
3	Pb 220.353†	6917.0	6743.6	[1000]	ug/L	18:47:29
3	S 181.975 Axial†	1629.6	1558.7	[2000]	ug/L	18:47:29
3	Sb 206.836†	2159.7	2102.0	[1000]	ug/L	18:47:29
3	Se 196.026†	1934.1	1886.6	[1000]	ug/L	18:47:29
3	Si 251.611†	76630.7	75026.8	[5000]	ug/L	18:47:08
3	Sn 189.927†	6663.0	6561.8	[1000]	ug/L	18:47:29
3	Ti 334.940†	445113.4	437662.2	[1000]	ug/L	18:47:08
3	Tl 190.801†	1859.1	1854.7	[1000]	ug/L	18:47:29
3	U 409.014†	15196.0	15018.9	[1000]	ug/L	18:47:08
3	V 292.402†	84709.6	83607.7	[1000]	ug/L	18:47:08
3	Zn 213.857†	69704.7	68190.0	[1000]	ug/L	18:47:08
3	SiO2†	76537.2	74929.5	[10695]	ug/L	18:47:45

Mean Data: SCAL

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	663715.8	1432.85	0.22%	101.55	%
Sc Radial	12580.1	66.64	0.53%	102	%
Y 371.029	433930.0	965.36	0.22%	100.35	%
Y RADIAL	8684.2	57.98	0.67%	102.1	%
Ag 328.068†	106557.4	306.56	0.29%	[1000]	ug/L
Al 396.153Radial†	8415.5	9.55	0.11%	[10000]	ug/L
As 188.979†	1826.6	9.85	0.54%	[1000]	ug/L
B 249.677†	28493.4	36.90	0.13%	[1000]	ug/L
Ba 233.527†	52247.9	106.56	0.20%	[1000]	ug/L
Be 313.107†	1503790.5	3511.98	0.23%	[1000]	ug/L
Ca 317.933Radial†	7495.1	5.68	0.08%	[10000]	ug/L
Cd 226.502†	58222.4	151.83	0.26%	[1000]	ug/L
Co 228.616†	28806.9	141.43	0.49%	[1000]	ug/L
Cr 267.716†	46810.1	66.11	0.14%	[1000]	ug/L
Cu 324.752†	140625.6	488.94	0.35%	[1000]	ug/L
Fe 238.204 Radial†	1216.2	12.23	1.01%	[10000]	ug/L
K 766.490 Radial†	52432.5	69.96	0.13%	[10000]	ug/L

Mg 279.077 IEC†	428.0	2.01	0.47%	[10000]	ug/L
Mn 257.610†	367197.6	862.64	0.23%	[1000]	ug/L
Mo 202.031†	19178.1	90.09	0.47%	[1000]	ug/L
Na 589.592 Radial†	112844.6	230.02	0.20%	[10000]	ug/L
Ni 231.604†	25883.2	116.94	0.45%	[1000]	ug/L
P 214.914†	4873.9	17.39	0.36%	[5000]	ug/L
Pb 220.353†	6714.5	34.61	0.52%	[1000]	ug/L
S 181.975 Axial†	1550.6	10.75	0.69%	[2000]	ug/L
Sb 206.836†	2092.4	15.52	0.74%	[1000]	ug/L
Se 196.026†	1883.0	3.35	0.18%	[1000]	ug/L
Si 251.611†	75038.9	200.63	0.27%	[5000]	ug/L
Sn 189.927†	6542.8	24.16	0.37%	[1000]	ug/L
Sr 421.552†	212562.1	367.12	0.17%	[1000]	ug/L
Ti 334.940†	437618.1	954.11	0.22%	[1000]	ug/L
Tl 190.801†	1847.1	8.74	0.47%	[1000]	ug/L
U 409.014†	15054.0	33.79	0.22%	[1000]	ug/L
V 292.402†	83562.8	179.27	0.21%	[1000]	ug/L
Zn 213.857†	68202.7	121.74	0.18%	[1000]	ug/L
SiO2†	74950.4	287.61	0.38%	[10695]	ug/L

Sequence No.: 5

Sample ID: S10

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 5

Date Collected: 1/22/2008 18:50:03

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: S10

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Analysis Time
1	Sc Radial	12287.7	12287.7	100	%	18:52:18
1	Y RADIAL	8489.2	8489.2	99.85	%	18:52:18
1	Al 396.153Radial†	42337.4	42332.8	[50000]	ug/L	18:51:57
1	Ca 317.933Radial†	37010.0	36972.8	[50000]	ug/L	18:52:18
1	Fe 238.204 Radial†	2504.3	2470.6	[20000]	ug/L	18:52:18
1	Mg 279.077 IEC†	2148.5	2148.5	[50000]	ug/L	18:52:18
1	Na 589.592 Radial†	232715.0	231550.5	[20000]	ug/L	18:51:57
1	Sc 361.383	657899.9	657899.9	100.66	%	18:53:17
1	Y 371.029	428842.4	428842.4	99.177	%	18:53:17
2	Sc Radial	12278.3	12278.3	99.9	%	18:52:43
2	Y RADIAL	8503.6	8503.6	100.0	%	18:52:43
2	Al 396.153Radial†	42183.1	42210.8	[50000]	ug/L	18:52:23
2	Ca 317.933Radial†	36949.0	36940.1	[50000]	ug/L	18:52:43
2	Fe 238.204 Radial†	2494.0	2462.3	[20000]	ug/L	18:52:43
2	Mg 279.077 IEC†	2142.4	2144.0	[50000]	ug/L	18:52:43
2	Na 589.592 Radial†	231477.6	230490.1	[20000]	ug/L	18:52:23
2	Sc 361.383	652963.6	652963.6	99.906	%	18:53:23
2	Y 371.029	425419.2	425419.2	98.386	%	18:53:23
3	Sc Radial	12350.1	12350.1	101	%	18:53:09
3	Y RADIAL	8536.0	8536.0	100.4	%	18:53:09
3	Al 396.153Radial†	42238.7	42020.7	[50000]	ug/L	18:52:48
3	Ca 317.933Radial†	37166.4	36941.4	[50000]	ug/L	18:53:09
3	Fe 238.204 Radial†	2491.2	2444.9	[20000]	ug/L	18:53:09
3	Mg 279.077 IEC†	2151.6	2140.7	[50000]	ug/L	18:53:09
3	Na 589.592 Radial†	232047.1	229710.1	[20000]	ug/L	18:52:48
3	Sc 361.383	656568.3	656568.3	100.46	%	18:53:30
3	Y 371.029	427511.2	427511.2	98.870	%	18:53:30

Mean Data: S10

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc. Units	Calib. Units
Sc 361.383	655810.6	2553.88	0.39%	100.34	%
Sc Radial	12305.3	39.03	0.32%	100	%
Y 371.029	427257.6	1725.64	0.40%	98.811	%
Y RADIAL	8509.6	23.99	0.28%	100.1	%
Al 396.153Radial†	42188.1	157.29	0.37%	[50000]	ug/L
Ca 317.933Radial†	36951.4	18.53	0.05%	[50000]	ug/L
Fe 238.204 Radial†	2459.3	13.09	0.53%	[20000]	ug/L
Mg 279.077 IEC†	2144.4	3.91	0.18%	[50000]	ug/L
Na 589.592 Radial†	230583.6	923.77	0.40%	[20000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin Thru 0	0.0	107.4	0.00000	0.999888	
Al 396.153Radial	3	Lin Thru 0	0.0	0.8440	0.00000	0.999993	
As 188.979	3	Lin Thru 0	0.0	1.840	0.00000	0.999887	
B 249.677	3	Lin Thru 0	0.0	28.70	0.00000	0.999892	
Ba 233.527	3	Lin Thru 0	0.0	52.72	0.00000	0.999846	
Be 313.107	3	Lin Thru 0	0.0	1516	0.00000	0.999877	
Ca 317.933Radial	3	Lin Thru 0	0.0	0.7398	0.00000	0.999984	
Cd 226.502	3	Lin Thru 0	0.0	58.71	0.00000	0.999865	
Co 228.616	3	Lin Thru 0	0.0	29.08	0.00000	0.999824	
Cr 267.716	3	Lin Thru 0	0.0	47.19	0.00000	0.999869	
Cu 324.752	3	Lin Thru 0	0.0	141.6	0.00000	0.999903	
Fe 238.204 Radial	2	Lin Thru 0	0.0	0.1227	0.00000	0.999990	
K 766.490 Radial	3	Lin Thru 0	0.0	5.286	0.00000	0.999869	

Mg 279.077 IEC	3	Lin Thru 0	0.0	0.0429	0.00000	0.999992
Mn 257.610	3	Lin Thru 0	0.0	370.5	0.00000	0.999844
Mo 202.031	3	Lin Thru 0	0.0	19.32	0.00000	0.999889
Na 589.592 Radial 2		Lin Thru 0	0.0	11.48	0.00000	0.999964
Ni 231.604	3	Lin Thru 0	0.0	26.17	0.00000	0.999766
P 214.914	3	Lin Thru 0	0.0	0.9811	0.00000	0.999916
Pb 220.353	3	Lin Thru 0	0.0	6.768	0.00000	0.999879
S 181.975 Axial	3	Lin Thru 0	0.0	0.7809	0.00000	0.999892
Sb 206.836	3	Lin Thru 0	0.0	2.100	0.00000	0.999892
Se 196.026	3	Lin Thru 0	0.0	1.898	0.00000	0.999879
Si 251.611	3	Lin Thru 0	0.0	15.17	0.00000	0.999769
Sn 189.927	3	Lin Thru 0	0.0	6.596	0.00000	0.999872
Sr 421.552	3	Lin Thru 0	0.0	214.3	0.00000	0.999867
Ti 334.940	3	Lin Thru 0	0.0	440.8	0.00000	0.999897
Tl 190.801	3	Lin Thru 0	0.0	1.862	0.00000	0.999867
U 409.014	3	Lin Thru 0	0.0	15.19	0.00000	0.999819
V 292.402	3	Lin Thru 0	0.0	84.20	0.00000	0.999887
Zn 213.857	3	Lin Thru 0	0.0	68.83	0.00000	0.999836
SiO2	3	Lin Thru 0	0.0	7.089	0.00000	0.999738

Sequence No.: 6

Sample ID: ICV

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 9

Date Collected: 1/22/2008 18:55:40

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: ICV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12624.3	12624.3	103 %		18:57:35
1	Y RADIAL	8702.4	8702.4	102.4 %		18:57:35
1	Al 396.153Radial†	4279.1	4162.4	4715.3 ug/L	4715.3 ppb	18:57:35
1	Ca 317.933Radial†	3861.4	3723.0	5032.5 ug/L	5032.5 ppb	18:57:35
1	Fe 238.204 Radial†	668.2	616.8	5057.4 ug/L	5057.4 ppb	18:57:55
1	K 766.490 Radial†	14915.1	13310.1	2515.9 ug/L	2515.9 ppb	18:57:35
1	Mg 279.077 IEC†	222.6	216.7	5052.0 ug/L	5052.0 ppb	18:57:55
1	Na 589.592 Radial†	29725.0	27778.7	2419.7 ug/L	2419.7 ppb	18:57:35
1	Sr 421.552†	109078.3	106122.2	494.96 ug/L	494.96 ppb	18:57:35
1	Sc 361.383	664378.0	664378.0	101.65 %		18:58:54
1	Y 371.029	437974.3	437974.3	101.29 %		18:58:54
1	Ag 328.068†	27306.6	26879.5	255.21 ug/L	255.21 ppb	18:58:54
1	As 188.979†	894.5	889.0	483.89 ug/L	483.89 ppb	18:59:15
1	B 249.677†	14622.4	14099.5	491.26 ug/L	491.26 ppb	18:58:54
1	Ba 233.527†	26701.4	26271.6	499.41 ug/L	499.41 ppb	18:58:54
1	Be 313.107†	375812.7	371700.7	245.21 ug/L	245.21 ppb	18:58:54
1	Cd 226.502†	29346.8	28951.4	492.91 ug/L	492.91 ppb	18:58:54
1	Co 228.616†	14574.4	14359.9	494.62 ug/L	494.62 ppb	18:59:15
1	Cr 267.716†	23587.9	23233.5	492.84 ug/L	492.84 ppb	18:58:54
1	Cu 324.752†	73596.9	69771.5	492.91 ug/L	492.91 ppb	18:58:54
1	Mn 257.610†	188250.4	185057.7	500.07 ug/L	500.07 ppb	18:58:54
1	Mo 202.031†	9668.0	9464.8	490.12 ug/L	490.12 ppb	18:59:15
1	Ni 231.604†	13349.0	12981.4	495.36 ug/L	495.36 ppb	18:59:15
1	P 214.914†	2299.9	2383.3	2418.1 ug/L	2418.1 ppb	18:59:15
1	Pb 220.353†	3441.1	3317.1	490.53 ug/L	490.53 ppb	18:59:15
1	S 181.975 Axial†	2033.2	1954.1	2501.1 ug/L	2501.1 ppb	18:59:15
1	Sb 206.836†	1070.6	1028.3	489.01 ug/L	489.01 ppb	18:59:15
1	Se 196.026†	4809.4	4713.3	2494.3 ug/L	2494.3 ppb	18:59:15
1	Si 251.611†	75647.5	73981.2	4867.5 ug/L	4867.5 ppb	18:58:54
1	Sn 189.927†	3373.6	3319.0	503.31 ug/L	503.31 ppb	18:59:15
1	Ti 334.940†	222663.3	218372.3	495.54 ug/L	495.54 ppb	18:58:54
1	Tl 190.801†	901.0	910.3	487.87 ug/L	487.87 ppb	18:59:15
1	U 409.014†	7401.1	7335.2	479.32 ug/L	479.32 ppb	18:58:54
1	V 292.402†	42330.7	41830.9	501.14 ug/L	501.14 ppb	18:58:54
1	Zn 213.857†	34894.6	33874.3	487.41 ug/L	487.41 ppb	18:58:54
1	SiO2†	75908.6	74232.7	10472 ug/L	10472 ppb	19:00:14
2	Sc Radial	12650.1	12650.1	103 %		18:58:00
2	Y RADIAL	8800.9	8800.9	103.5 %		18:58:00
2	Al 396.153Radial†	4300.5	4174.7	4726.2 ug/L	4726.2 ppb	18:58:00
2	Ca 317.933Radial†	3856.7	3710.8	5016.0 ug/L	5016.0 ppb	18:58:00
2	Fe 238.204 Radial†	660.8	608.3	4988.5 ug/L	4988.5 ppb	18:58:20
2	K 766.490 Radial†	14934.5	13299.3	2513.9 ug/L	2513.9 ppb	18:58:00
2	Mg 279.077 IEC†	220.0	213.8	4982.7 ug/L	4982.7 ppb	18:58:20
2	Na 589.592 Radial†	29798.5	27791.1	2420.8 ug/L	2420.8 ppb	18:58:00
2	Sr 421.552†	109355.2	106174.6	495.21 ug/L	495.21 ppb	18:58:00
2	Sc 361.383	657523.0	657523.0	100.60 %		18:59:21
2	Y 371.029	433801.2	433801.2	100.32 %		18:59:21
2	Ag 328.068†	27339.7	27192.4	258.16 ug/L	258.16 ppb	18:59:21
2	As 188.979†	896.7	900.4	490.09 ug/L	490.09 ppb	18:59:41
2	B 249.677†	14654.5	14281.4	497.60 ug/L	497.60 ppb	18:59:21
2	Ba 233.527†	26716.8	26560.6	504.91 ug/L	504.91 ppb	18:59:21
2	Be 313.107†	376831.1	376567.3	248.42 ug/L	248.42 ppb	18:59:21
2	Cd 226.502†	29404.8	29310.0	499.03 ug/L	499.03 ppb	18:59:21
2	Co 228.616†	14640.7	14575.3	502.05 ug/L	502.05 ppb	18:59:41
2	Cr 267.716†	23724.2	23610.8	500.84 ug/L	500.84 ppb	18:59:21
2	Cu 324.752†	73663.8	70592.7	498.71 ug/L	498.71 ppb	18:59:21
2	Mn 257.610†	188727.9	187463.0	506.56 ug/L	506.56 ppb	18:59:21
2	Mo 202.031†	9729.3	9624.9	498.40 ug/L	498.40 ppb	18:59:41
2	Ni 231.604†	13405.2	13174.2	502.72 ug/L	502.72 ppb	18:59:41

2	P 214.914†	2317.4	2424.3	2459.8 ug/L	2459.8 ppb	18:59:41
2	Pb 220.353†	3468.4	3379.6	499.78 ug/L	499.78 ppb	18:59:41
2	S 181.975 Axial†	2043.5	1985.1	2540.8 ug/L	2540.8 ppb	18:59:41
2	Sb 206.836†	1074.8	1043.5	496.22 ug/L	496.22 ppb	18:59:41
2	Se 196.026†	4838.5	4791.5	2535.3 ug/L	2535.3 ppb	18:59:41
2	Si 251.611†	75700.4	74809.6	4921.9 ug/L	4921.9 ppb	18:59:21
2	Sn 189.927†	3386.8	3366.7	510.54 ug/L	510.54 ppb	18:59:41
2	Ti 334.940†	223030.9	221021.4	501.54 ug/L	501.54 ppb	18:59:21
2	Tl 190.801†	914.5	932.9	500.00 ug/L	500.00 ppb	18:59:41
2	U 409.014†	7356.5	7366.8	481.37 ug/L	481.37 ppb	18:59:21
2	V 292.402†	42361.4	42295.5	506.74 ug/L	506.74 ppb	18:59:21
2	Zn 213.857†	34967.1	34304.3	493.62 ug/L	493.62 ppb	18:59:21
2	SiO2†	75501.8	74607.0	10524 ug/L	10524 ppb	19:00:19
3	Sc Radial	12641.6	12641.6	103 %		18:58:26
3	Y RADIAL	8745.8	8745.8	102.9 %		18:58:26
3	Al 396.153Radial†	4312.8	4189.5	4742.3 ug/L	4742.3 ppb	18:58:26
3	Ca 317.933Radial†	3884.1	3740.0	5055.4 ug/L	5055.4 ppb	18:58:26
3	Fe 238.204 Radial†	664.1	612.0	5018.5 ug/L	5018.5 ppb	18:58:46
3	K 766.490 Radial†	15022.7	13394.9	2532.0 ug/L	2532.0 ppb	18:58:26
3	Mg 279.077 IEC†	221.5	215.4	5019.8 ug/L	5019.8 ppb	18:58:46
3	Na 589.592 Radial†	29838.6	27849.6	2425.9 ug/L	2425.9 ppb	18:58:26
3	Sr 421.552†	109664.0	106546.5	496.94 ug/L	496.94 ppb	18:58:26
3	Sc 361.383	653706.4	653706.4	100.02 %		18:59:47
3	Y 371.029	431248.2	431248.2	99.734 %		18:59:47
3	Ag 328.068†	27304.7	27316.1	259.36 ug/L	259.36 ppb	18:59:47
3	As 188.979†	909.4	918.3	499.79 ug/L	499.79 ppb	19:00:08
3	B 249.677†	14648.9	14360.9	500.36 ug/L	500.36 ppb	18:59:47
3	Ba 233.527†	26780.1	26779.0	509.06 ug/L	509.06 ppb	18:59:47
3	Be 313.107†	377103.6	379026.6	250.04 ug/L	250.04 ppb	18:59:47
3	Cd 226.502†	29422.8	29498.6	502.24 ug/L	502.24 ppb	18:59:47
3	Co 228.616†	14691.4	14711.0	506.72 ug/L	506.72 ppb	19:00:08
3	Cr 267.716†	23711.7	23736.1	503.50 ug/L	503.50 ppb	18:59:47
3	Cu 324.752†	73565.0	70921.5	501.03 ug/L	501.03 ppb	18:59:47
3	Mn 257.610†	188774.4	188604.7	509.64 ug/L	509.64 ppb	18:59:47
3	Mo 202.031†	9735.0	9687.1	501.62 ug/L	501.62 ppb	19:00:08
3	Ni 231.604†	13417.5	13264.3	506.15 ug/L	506.15 ppb	19:00:08
3	P 214.914†	2320.9	2441.2	2477.0 ug/L	2477.0 ppb	19:00:08
3	Pb 220.353†	3448.2	3379.5	499.76 ug/L	499.76 ppb	19:00:08
3	S 181.975 Axial†	2037.2	1990.7	2548.0 ug/L	2548.0 ppb	19:00:08
3	Sb 206.836†	1086.0	1060.9	504.53 ug/L	504.53 ppb	19:00:08
3	Se 196.026†	4844.5	4825.6	2553.4 ug/L	2553.4 ppb	19:00:08
3	Si 251.611†	75681.3	75229.8	4949.5 ug/L	4949.5 ppb	18:59:47
3	Sn 189.927†	3388.4	3387.9	513.77 ug/L	513.77 ppb	19:00:08
3	Ti 334.940†	223247.9	222532.6	504.97 ug/L	504.97 ppb	18:59:47
3	Tl 190.801†	913.5	937.2	502.29 ug/L	502.29 ppb	19:00:08
3	U 409.014†	7378.1	7431.0	485.57 ug/L	485.57 ppb	18:59:47
3	V 292.402†	42491.7	42671.7	511.24 ug/L	511.24 ppb	18:59:47
3	Zn 213.857†	35049.7	34589.8	497.74 ug/L	497.74 ppb	18:59:47
3	SiO2†	76259.1	75802.2	10693 ug/L	10693 ppb	19:00:24

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	658535.8	100.76 %	0.827			0.82%
Sc Radial	12638.7	103 %	0.1			0.10%
Y 371.029	434341.2	100.45 %	0.785			0.78%
Y RADIAL	8749.7	102.9 %	0.58			0.56%
Ag 328.068†	27129.3	257.58 ug/L	2.134	257.58 ppb	2.134	0.83%
QC value within limits for Ag 328.068 Recovery = 103.03%						
Al 396.153Radial†	4175.5	4727.9 ug/L	13.57	4727.9 ppb	13.57	0.29%
QC value within limits for Al 396.153Radial Recovery = 94.56%						
As 188.979†	902.6	491.26 ug/L	8.010	491.26 ppb	8.010	1.63%
QC value within limits for As 188.979 Recovery = 98.25%						
B 249.677†	14247.2	496.41 ug/L	4.669	496.41 ppb	4.669	0.94%
QC value within limits for B 249.677 Recovery = 99.28%						
Ba 233.527†	26537.1	504.46 ug/L	4.839	504.46 ppb	4.839	0.96%
QC value within limits for Ba 233.527 Recovery = 100.89%						
Be 313.107†	375764.8	247.89 ug/L	2.460	247.89 ppb	2.460	0.99%
QC value within limits for Be 313.107 Recovery = 99.16%						
Ca 317.933Radial†	3724.6	5034.6 ug/L	19.81	5034.6 ppb	19.81	0.39%

QC value within limits for Ca 317.933 Radial Recovery = 100.69%							
Cd	226.502†	29253.3	498.06 ug/L	4.739	498.06 ppb	4.739	0.95%
QC value within limits for Cd 226.502 Recovery = 99.61%							
Co	228.616†	14548.7	501.13 ug/L	6.099	501.13 ppb	6.099	1.22%
QC value within limits for Co 228.616 Recovery = 100.23%							
Cr	267.716†	23526.8	499.06 ug/L	5.549	499.06 ppb	5.549	1.11%
QC value within limits for Cr 267.716 Recovery = 99.81%							
Cu	324.752†	70428.6	497.55 ug/L	4.182	497.55 ppb	4.182	0.84%
QC value within limits for Cu 324.752 Recovery = 99.51%							
Fe	238.204 Radial†	612.4	5021.5 ug/L	34.53	5021.5 ppb	34.53	0.69%
QC value within limits for Fe 238.204 Radial Recovery = 100.43%							
K	766.490 Radial†	13334.8	2520.6 ug/L	9.90	2520.6 ppb	9.90	0.39%
QC value within limits for K 766.490 Radial Recovery = 100.82%							
Mg	279.077 IEC†	215.3	5018.2 ug/L	34.66	5018.2 ppb	34.66	0.69%
QC value within limits for Mg 279.077 IEC Recovery = 100.36%							
Mn	257.610†	187041.8	505.42 ug/L	4.883	505.42 ppb	4.883	0.97%
QC value within limits for Mn 257.610 Recovery = 101.08%							
Mo	202.031†	9592.3	496.72 ug/L	5.934	496.72 ppb	5.934	1.19%
QC value within limits for Mo 202.031 Recovery = 99.34%							
Na	589.592 Radial†	27806.5	2422.1 ug/L	3.30	2422.1 ppb	3.30	0.14%
QC value within limits for Na 589.592 Radial Recovery = 96.88%							
Ni	231.604†	13140.0	501.41 ug/L	5.514	501.41 ppb	5.514	1.10%
QC value within limits for Ni 231.604 Recovery = 100.28%							
P	214.914†	2416.3	2451.7 ug/L	30.31	2451.7 ppb	30.31	1.24%
QC value within limits for P 214.914 Recovery = 98.07%							
Pb	220.353†	3358.7	496.69 ug/L	5.338	496.69 ppb	5.338	1.07%
QC value within limits for Pb 220.353 Recovery = 99.34%							
S	181.975 Axial†	1976.7	2530.0 ug/L	25.29	2530.0 ppb	25.29	1.00%
QC value within limits for S 181.975 Axial Recovery = 101.20%							
Sb	206.836†	1044.2	496.58 ug/L	7.764	496.58 ppb	7.764	1.56%
QC value within limits for Sb 206.836 Recovery = 99.32%							
Se	196.026†	4776.8	2527.7 ug/L	30.30	2527.7 ppb	30.30	1.20%
QC value within limits for Se 196.026 Recovery = 101.11%							
Si	251.611†	74673.5	4913.0 ug/L	41.77	4913.0 ppb	41.77	0.85%
QC value within limits for Si 251.611 Recovery = 98.26%							
Sn	189.927†	3357.9	509.21 ug/L	5.353	509.21 ppb	5.353	1.05%
QC value within limits for Sn 189.927 Recovery = 101.84%							
Sr	421.552†	106281.1	495.70 ug/L	1.079	495.70 ppb	1.079	0.22%
QC value within limits for Sr 421.552 Recovery = 99.14%							
Ti	334.940†	220642.1	500.68 ug/L	4.775	500.68 ppb	4.775	0.95%
QC value within limits for Ti 334.940 Recovery = 100.14%							
Tl	190.801†	926.8	496.72 ug/L	7.747	496.72 ppb	7.747	1.56%
QC value within limits for Tl 190.801 Recovery = 99.34%							
U	409.014†	7377.7	482.09 ug/L	3.189	482.09 ppb	3.189	0.66%
QC value within limits for U 409.014 Recovery = 96.42%							
V	292.402†	42266.0	506.38 ug/L	5.058	506.38 ppb	5.058	1.00%
QC value within limits for V 292.402 Recovery = 101.28%							
Zn	213.857†	34256.1	492.92 ug/L	5.197	492.92 ppb	5.197	1.05%
QC value within limits for Zn 213.857 Recovery = 98.58%							
SiO2†		74880.6	10563 ug/L	115.6	10563 ppb	115.6	1.09%
QC value within limits for SiO2 Recovery = 98.77%							

All analyte(s) passed QC.

Sequence No.: 7

Sample ID: ICB

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 10

Date Collected: 1/22/2008 19:02:35

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: ICB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12532.2	12532.2	102 %		19:04:29
1	Y RADIAL	8702.3	8702.3	102.4 %		19:04:29
1	Al 396.153Radial†	2.8	0.5	0.0152 ug/L	0.0152 ppb	19:04:49
1	Ca 317.933Radial†	34.9	-0.9	-1.2655 ug/L	-1.2655 ppb	19:04:49
1	Fe 238.204 Radial†	35.3	1.1	8.6700 ug/L	8.6700 ppb	19:04:49
1	K 766.490 Radial†	1048.7	-178.3	-33.730 ug/L	-33.730 ppb	19:04:29
1	Mg 279.077 IEC†	-1.0	-0.9	-20.455 ug/L	-20.455 ppb	19:04:49
1	Na 589.592 Radial†	315.2	-843.0	-73.431 ug/L	-73.431 ppb	19:04:29
1	Sr 421.552†	79.1	36.0	0.1678 ug/L	0.1678 ppb	19:04:29
1	Sc 361.383	665764.5	665764.5	101.86 %		19:05:47
1	Y 371.029	442156.5	442156.5	102.26 %		19:05:47
1	Ag 328.068†	-59.2	-41.4	-0.3861 ug/L	-0.3861 ppb	19:05:53
1	As 188.979†	-16.3	-7.0	-3.7804 ug/L	-3.7804 ppb	19:06:13
1	B 249.677†	394.5	102.1	3.5573 ug/L	3.5573 ppb	19:06:13
1	Ba 233.527†	1.5	5.6	0.1062 ug/L	0.1062 ppb	19:06:13
1	Be 313.107†	-2020.7	12.7	0.0084 ug/L	0.0084 ppb	19:05:53
1	Cd 226.502†	-74.3	8.6	0.1476 ug/L	0.1476 ppb	19:06:13
1	Co 228.616†	-17.6	5.2	0.1804 ug/L	0.1804 ppb	19:06:13
1	Cr 267.716†	-27.6	1.9	0.0407 ug/L	0.0407 ppb	19:06:13
1	Cu 324.752†	2615.3	-61.7	-0.4355 ug/L	-0.4355 ppb	19:05:53
1	Mn 257.610†	152.0	16.3	0.0451 ug/L	0.0451 ppb	19:06:13
1	Mo 202.031†	70.6	23.3	1.2081 ug/L	1.2081 ppb	19:06:13
1	Ni 231.604†	160.3	6.8	0.2606 ug/L	0.2606 ppb	19:06:13
1	P 214.914†	-131.9	-8.7	-8.8544 ug/L	-8.8544 ppb	19:06:13
1	Pb 220.353†	72.0	2.6	0.3904 ug/L	0.3904 ppb	19:06:13
1	S 181.975 Axial†	41.7	-5.1	-6.5726 ug/L	-6.5726 ppb	19:06:13
1	Sb 206.836†	34.3	8.8	4.2235 ug/L	4.2235 ppb	19:06:13
1	Se 196.026†	20.4	2.1	1.1213 ug/L	1.1213 ppb	19:06:13
1	Si 251.611†	377.0	-66.6	-4.4146 ug/L	-4.4146 ppb	19:06:13
1	Sn 189.927†	-0.6	-0.4	-0.0548 ug/L	-0.0548 ppb	19:06:13
1	Ti 334.940†	747.4	61.9	0.1386 ug/L	0.1386 ppb	19:05:53
1	Tl 190.801†	-32.1	-7.5	-4.0545 ug/L	-4.0545 ppb	19:06:13
1	U 409.014†	-4.9	49.5	3.2606 ug/L	3.2606 ppb	19:05:53
1	V 292.402†	-205.5	-13.5	-0.1462 ug/L	-0.1462 ppb	19:05:53
1	Zn 213.857†	446.5	-14.8	-0.2162 ug/L	-0.2162 ppb	19:06:13
1	SiO2†	390.9	-58.2	-8.2163 ug/L	-8.2163 ppb	19:07:35
2	Sc Radial	12598.4	12598.4	103 %		19:04:55
2	Y RADIAL	8796.0	8796.0	103.5 %		19:04:55
2	Al 396.153Radial†	3.2	0.8	0.5692 ug/L	0.5692 ppb	19:05:15
2	Ca 317.933Radial†	34.1	-1.9	-2.5832 ug/L	-2.5832 ppb	19:05:15
2	Fe 238.204 Radial†	33.7	-0.7	-5.6497 ug/L	-5.6497 ppb	19:05:15
2	K 766.490 Radial†	1120.4	-113.8	-21.525 ug/L	-21.525 ppb	19:04:55
2	Mg 279.077 IEC†	-0.9	-0.8	-17.686 ug/L	-17.686 ppb	19:05:15
2	Na 589.592 Radial†	323.7	-836.4	-72.855 ug/L	-72.855 ppb	19:04:55
2	Sr 421.552†	61.2	18.1	0.0846 ug/L	0.0846 ppb	19:04:55
2	Sc 361.383	660582.9	660582.9	101.07 %		19:06:18
2	Y 371.029	438452.5	438452.5	101.40 %		19:06:18
2	Ag 328.068†	-56.9	-39.5	-0.3726 ug/L	-0.3726 ppb	19:06:23
2	As 188.979†	-14.5	-5.3	-2.8561 ug/L	-2.8561 ppb	19:06:44
2	B 249.677†	372.6	83.4	2.9066 ug/L	2.9066 ppb	19:06:44
2	Ba 233.527†	-4.5	-0.3	-0.0063 ug/L	-0.0063 ppb	19:06:44
2	Be 313.107†	-2030.9	-13.0	-0.0086 ug/L	-0.0086 ppb	19:06:23
2	Cd 226.502†	-85.3	-2.9	-0.0497 ug/L	-0.0497 ppb	19:06:44
2	Co 228.616†	-19.2	3.4	0.1191 ug/L	0.1191 ppb	19:06:44
2	Cr 267.716†	-33.8	-4.4	-0.0947 ug/L	-0.0947 ppb	19:06:44
2	Cu 324.752†	2587.7	-68.9	-0.4868 ug/L	-0.4868 ppb	19:06:23
2	Mn 257.610†	145.1	10.6	0.0279 ug/L	0.0279 ppb	19:06:44
2	Mo 202.031†	63.2	16.5	0.8531 ug/L	0.8531 ppb	19:06:44
2	Ni 231.604†	161.1	8.8	0.3375 ug/L	0.3375 ppb	19:06:44

2	P 214.914†	-122.7	-0.6	-0.6169 ug/L	-0.6169 ppb	19:06:44
2	Pb 220.353†	69.9	1.1	0.1729 ug/L	0.1729 ppb	19:06:44
2	S 181.975 Axial†	35.0	-11.4	-14.628 ug/L	-14.628 ppb	19:06:44
2	Sb 206.836†	37.5	12.3	5.8468 ug/L	5.8468 ppb	19:06:44
2	Se 196.026†	14.0	-4.2	-2.2025 ug/L	-2.2025 ppb	19:06:44
2	Si 251.611†	381.1	-59.7	-3.9504 ug/L	-3.9504 ppb	19:06:44
2	Sn 189.927†	4.6	4.7	0.7192 ug/L	0.7192 ppb	19:06:44
2	Ti 334.940†	709.0	29.7	0.0690 ug/L	0.0690 ppb	19:06:23
2	Tl 190.801†	-27.1	-2.9	-1.5724 ug/L	-1.5724 ppb	19:06:44
2	U 409.014†	-113.8	-58.2	-3.8342 ug/L	-3.8342 ppb	19:06:23
2	V 292.402†	-226.3	-35.6	-0.4216 ug/L	-0.4216 ppb	19:06:23
2	Zn 213.857†	450.6	-7.2	-0.1048 ug/L	-0.1048 ppb	19:06:44
2	SiO2†	393.5	-52.7	-7.4376 ug/L	-7.4376 ppb	19:07:55
3	Sc Radial	12557.2	12557.2	102 %		19:05:20
3	Y RADIAL	8746.8	8746.8	102.9 %		19:05:20
3	Al 396.153Radial†	4.6	2.2	2.2289 ug/L	2.2289 ppb	19:05:40
3	Ca 317.933Radial†	39.0	3.0	4.0009 ug/L	4.0009 ppb	19:05:40
3	Fe 238.204 Radial†	32.5	-1.7	-13.896 ug/L	-13.896 ppb	19:05:40
3	K 766.490 Radial†	1073.4	-156.2	-29.543 ug/L	-29.543 ppb	19:05:20
3	Mg 279.077 IEC†	-1.2	-1.1	-26.318 ug/L	-26.318 ppb	19:05:40
3	Na 589.592 Radial†	297.3	-861.1	-75.009 ug/L	-75.009 ppb	19:05:20
3	Sr 421.552†	27.2	-14.9	-0.0699 ug/L	-0.0699 ppb	19:05:20
3	Sc 361.383	661359.8	661359.8	101.19 %		19:06:49
3	Y 371.029	439120.4	439120.4	101.55 %		19:06:49
3	Ag 328.068†	-22.9	-5.9	-0.0559 ug/L	-0.0559 ppb	19:06:54
3	As 188.979†	-11.2	-2.0	-1.0764 ug/L	-1.0764 ppb	19:07:15
3	B 249.677†	360.0	70.6	2.4593 ug/L	2.4593 ppb	19:07:15
3	Ba 233.527†	-3.0	1.2	0.0220 ug/L	0.0220 ppb	19:07:15
3	Be 313.107†	-2016.1	4.0	0.0027 ug/L	0.0027 ppb	19:06:54
3	Cd 226.502†	-78.4	4.1	0.0721 ug/L	0.0721 ppb	19:07:15
3	Co 228.616†	-22.6	0.0	0.0035 ug/L	0.0035 ppb	19:07:15
3	Cr 267.716†	-24.6	4.7	0.0991 ug/L	0.0991 ppb	19:07:15
3	Cu 324.752†	2610.1	-49.8	-0.3519 ug/L	-0.3519 ppb	19:06:54
3	Mn 257.610†	138.9	4.3	0.0098 ug/L	0.0098 ppb	19:07:15
3	Mo 202.031†	61.6	14.9	0.7694 ug/L	0.7694 ppb	19:07:15
3	Ni 231.604†	155.6	3.2	0.1220 ug/L	0.1220 ppb	19:07:15
3	P 214.914†	-126.3	-4.0	-4.0754 ug/L	-4.0754 ppb	19:07:15
3	Pb 220.353†	69.6	0.7	0.1096 ug/L	0.1096 ppb	19:07:15
3	S 181.975 Axial†	42.5	-4.1	-5.2702 ug/L	-5.2702 ppb	19:07:15
3	Sb 206.836†	32.4	7.2	3.4444 ug/L	3.4444 ppb	19:07:15
3	Se 196.026†	14.1	-4.1	-2.1624 ug/L	-2.1624 ppb	19:07:15
3	Si 251.611†	391.5	-49.8	-3.2983 ug/L	-3.2983 ppb	19:07:15
3	Sn 189.927†	2.6	2.8	0.4289 ug/L	0.4289 ppb	19:07:15
3	Ti 334.940†	739.7	59.2	0.1341 ug/L	0.1341 ppb	19:06:54
3	Tl 190.801†	-28.0	-3.7	-1.9971 ug/L	-1.9971 ppb	19:07:15
3	U 409.014†	-36.9	17.9	1.1808 ug/L	1.1808 ppb	19:06:54
3	V 292.402†	-184.7	5.7	0.0772 ug/L	0.0772 ppb	19:06:54
3	Zn 213.857†	443.1	-15.2	-0.2174 ug/L	-0.2174 ppb	19:07:15
3	SiO2†	390.8	-55.8	-7.8725 ug/L	-7.8725 ppb	19:08:16

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	662569.1	101.38 %	0.428			0.42%
Sc Radial	12562.6	102 %	0.3			0.27%
Y 371.029	439909.8	101.74 %	0.457			0.45%
Y RADIAL	8748.3	102.9 %	0.55			0.54%
Ag 328.068†	-28.9	-0.2716 ug/L	0.18684	-0.2716 ppb	0.18684	68.80%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 396.153Radial†	1.1	0.9378 ug/L	1.15199	0.9378 ppb	1.15199	122.85%
QC value within limits for Al 396.153Radial Recovery = Not calculated						
As 188.979†	-4.7	-2.5710 ug/L	1.37439	-2.5710 ppb	1.37439	53.46%
QC value within limits for As 188.979 Recovery = Not calculated						
B 249.677†	85.4	2.9744 ug/L	0.55211	2.9744 ppb	0.55211	18.56%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	2.2	0.0406 ug/L	0.05851	0.0406 ppb	0.05851	144.08%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	1.3	0.0008 ug/L	0.00862	0.0008 ppb	0.00862	>999.9%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933Radial†	0.0	0.0507 ug/L	3.48380	0.0507 ppb	3.48380	>999.9%

QC value within limits for Ca 317.933 Radial Recovery = Not calculated						
Cd 226.502†	3.3	0.0567 ug/L	0.09955	0.0567 ppb	0.09955	175.65%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Co 228.616†	2.9	0.1010 ug/L	0.08982	0.1010 ppb	0.08982	88.92%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	0.7	0.0150 ug/L	0.09938	0.0150 ppb	0.09938	661.05%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	-60.1	-0.4248 ug/L	0.06809	-0.4248 ppb	0.06809	16.03%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 238.204 Radial†	-0.4	-3.6253 ug/L	11.41842	-3.6253 ppb	11.41842	314.97%
QC value within limits for Fe 238.204 Radial Recovery = Not calculated						
K 766.490 Radial†	-149.4	-28.266 ug/L	6.2022	-28.266 ppb	6.2022	21.94%
QC value within limits for K 766.490 Radial Recovery = Not calculated						
Mg 279.077 IEC†	-0.9	-21.486 ug/L	4.4077	-21.486 ppb	4.4077	20.51%
QC value within limits for Mg 279.077 IEC Recovery = Not calculated						
Mn 257.610†	10.4	0.0276 ug/L	0.01763	0.0276 ppb	0.01763	63.89%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	18.2	0.9435 ug/L	0.23290	0.9435 ppb	0.23290	24.68%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592 Radial†	-846.8	-73.765 ug/L	1.1152	-73.765 ppb	1.1152	1.51%
QC value within limits for Na 589.592 Radial Recovery = Not calculated						
Ni 231.604†	6.3	0.2400 ug/L	0.10922	0.2400 ppb	0.10922	45.50%
QC value within limits for Ni 231.604 Recovery = Not calculated						
P 214.914†	-4.4	-4.5156 ug/L	4.13635	-4.5156 ppb	4.13635	91.60%
QC value within limits for P 214.914 Recovery = Not calculated						
Pb 220.353†	1.5	0.2243 ug/L	0.14732	0.2243 ppb	0.14732	65.68%
QC value within limits for Pb 220.353 Recovery = Not calculated						
S 181.975 Axial†	-6.9	-8.8235 ug/L	5.06856	-8.8235 ppb	5.06856	57.44%
QC value within limits for S 181.975 Axial Recovery = Not calculated						
Sb 206.836†	9.4	4.5049 ug/L	1.22568	4.5049 ppb	1.22568	27.21%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-2.0	-1.0812 ug/L	1.90752	-1.0812 ppb	1.90752	176.43%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	-58.7	-3.8878 ug/L	0.56080	-3.8878 ppb	0.56080	14.42%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	2.4	0.3644 ug/L	0.39101	0.3644 ppb	0.39101	107.30%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 421.552†	13.0	0.0608 ug/L	0.12059	0.0608 ppb	0.12059	198.23%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Ti 334.940†	50.3	0.1139 ug/L	0.03892	0.1139 ppb	0.03892	34.17%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	-4.7	-2.5414 ug/L	1.32754	-2.5414 ppb	1.32754	52.24%
QC value within limits for Tl 190.801 Recovery = Not calculated						
U 409.014†	3.1	0.2024 ug/L	3.64721	0.2024 ppb	3.64721	>999.9%
QC value within limits for U 409.014 Recovery = Not calculated						
V 292.402†	-14.5	-0.1635 ug/L	0.24983	-0.1635 ppb	0.24983	152.79%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 213.857†	-12.4	-0.1795 ug/L	0.06467	-0.1795 ppb	0.06467	36.03%
QC value within limits for Zn 213.857 Recovery = Not calculated						
SiO2†	-55.6	-7.8421 ug/L	0.39025	-7.8421 ppb	0.39025	4.98%
QC value within limits for SiO2 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 8

Sample ID: PQL

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 11

Date Collected: 1/22/2008 19:10:27

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: PQL

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12611.7	12611.7	103 %		19:12:22
1	Y RADIAL	8779.5	8779.5	103.3 %		19:12:22
1	Al 396.153Radial†	179.7	172.8	200.53 ug/L	200.53 ppb	19:12:42
1	Ca 317.933Radial†	111.5	73.4	99.274 ug/L	99.274 ppb	19:12:42
1	Fe 238.204 Radial†	45.4	10.7	87.488 ug/L	87.488 ppb	19:12:42
1	K 766.490 Radial†	1919.1	663.2	125.43 ug/L	125.43 ppb	19:12:22
1	Mg 279.077 IEC†	10.6	10.4	243.57 ug/L	243.57 ppb	19:12:42
1	Na 589.592 Radial†	1992.1	788.7	68.705 ug/L	68.705 ppb	19:12:22
1	Sr 421.552†	1118.8	1048.4	4.8882 ug/L	4.8882 ppb	19:12:22
1	Sc 361.383	662466.0	662466.0	101.36 %		19:13:40
1	Y 371.029	439136.0	439136.0	101.56 %		19:13:40
1	Ag 328.068†	549.8	559.2	5.2585 ug/L	5.2585 ppb	19:13:45
1	As 188.979†	9.5	18.5	10.044 ug/L	10.044 ppb	19:14:05
1	B 249.677†	1777.7	1468.6	51.171 ug/L	51.171 ppb	19:13:45
1	Ba 233.527†	258.3	258.9	4.9219 ug/L	4.9219 ppb	19:14:05
1	Be 313.107†	5546.4	7468.4	4.9269 ug/L	4.9269 ppb	19:13:45
1	Cd 226.502†	217.9	296.6	5.0639 ug/L	5.0639 ppb	19:14:05
1	Co 228.616†	128.1	148.8	5.1348 ug/L	5.1348 ppb	19:14:05
1	Cr 267.716†	196.9	223.3	4.7357 ug/L	4.7357 ppb	19:14:05
1	Cu 324.752†	4030.3	1347.1	9.5163 ug/L	9.5163 ppb	19:13:45
1	Mn 257.610†	3982.3	3795.9	10.256 ug/L	10.256 ppb	19:13:45
1	Mo 202.031†	233.4	184.3	9.5436 ug/L	9.5436 ppb	19:14:05
1	Ni 231.604†	279.6	125.3	4.7794 ug/L	4.7794 ppb	19:14:05
1	P 214.914†	18.5	139.1	141.58 ug/L	141.58 ppb	19:14:05
1	Pb 220.353†	125.8	56.1	8.2754 ug/L	8.2754 ppb	19:14:05
1	S 181.975 Axial†	116.6	69.0	88.290 ug/L	88.290 ppb	19:14:05
1	Sb 206.836†	43.0	17.6	8.4514 ug/L	8.4514 ppb	19:14:05
1	Se 196.026†	38.4	19.9	10.640 ug/L	10.640 ppb	19:14:05
1	Si 251.611†	1839.7	1378.3	90.677 ug/L	90.677 ppb	19:14:05
1	Sn 189.927†	118.2	116.9	17.723 ug/L	17.723 ppb	19:14:05
1	Ti 334.940†	2975.0	2263.3	5.1193 ug/L	5.1193 ppb	19:13:45
1	Tl 190.801†	6.6	30.4	16.350 ug/L	16.350 ppb	19:14:05
1	U 409.014†	685.3	730.5	48.018 ug/L	48.018 ppb	19:13:45
1	V 292.402†	204.8	390.3	4.7829 ug/L	4.7829 ppb	19:13:45
1	Zn 213.857†	1127.9	659.7	9.5168 ug/L	9.5168 ppb	19:14:05
1	SiO2†	1872.7	1405.6	198.28 ug/L	198.28 ppb	19:15:28
2	Sc Radial	12460.1	12460.1	101 %		19:12:47
2	Y RADIAL	8700.6	8700.6	102.3 %		19:12:47
2	Al 396.153Radial†	175.6	170.9	198.37 ug/L	198.37 ppb	19:13:07
2	Ca 317.933Radial†	108.2	71.5	96.652 ug/L	96.652 ppb	19:13:07
2	Fe 238.204 Radial†	44.5	10.3	84.487 ug/L	84.487 ppb	19:13:07
2	K 766.490 Radial†	1949.2	715.6	135.34 ug/L	135.34 ppb	19:12:47
2	Mg 279.077 IEC†	13.3	13.2	306.92 ug/L	306.92 ppb	19:13:07
2	Na 589.592 Radial†	1957.1	777.9	67.757 ug/L	67.757 ppb	19:12:47
2	Sr 421.552†	1123.8	1066.6	4.9734 ug/L	4.9734 ppb	19:12:47
2	Sc 361.383	661711.0	661711.0	101.24 %		19:14:11
2	Y 371.029	438946.9	438946.9	101.51 %		19:14:11
2	Ag 328.068†	536.7	546.8	5.1416 ug/L	5.1416 ppb	19:14:16
2	As 188.979†	11.5	20.5	11.133 ug/L	11.133 ppb	19:14:36
2	B 249.677†	1773.7	1466.7	51.103 ug/L	51.103 ppb	19:14:16
2	Ba 233.527†	264.6	265.4	5.0448 ug/L	5.0448 ppb	19:14:36
2	Be 313.107†	5532.7	7461.1	4.9221 ug/L	4.9221 ppb	19:14:16
2	Cd 226.502†	209.4	288.4	4.9268 ug/L	4.9268 ppb	19:14:36
2	Co 228.616†	136.7	157.4	5.4306 ug/L	5.4306 ppb	19:14:36
2	Cr 267.716†	195.1	221.7	4.7028 ug/L	4.7028 ppb	19:14:36
2	Cu 324.752†	3972.6	1294.6	9.1457 ug/L	9.1457 ppb	19:14:16
2	Mn 257.610†	3992.8	3810.8	10.295 ug/L	10.295 ppb	19:14:16
2	Mo 202.031†	229.0	180.2	9.3327 ug/L	9.3327 ppb	19:14:36
2	Ni 231.604†	266.8	112.9	4.3073 ug/L	4.3073 ppb	19:14:36

2	P 214.914†	17.5	138.0	140.52 ug/L	140.52 ppb	19:14:36
2	Pb 220.353†	129.5	59.9	8.8348 ug/L	8.8348 ppb	19:14:36
2	S 181.975 Axial†	115.6	68.1	87.199 ug/L	87.199 ppb	19:14:36
2	Sb 206.836†	42.1	16.8	8.0455 ug/L	8.0455 ppb	19:14:36
2	Se 196.026†	42.4	23.9	12.767 ug/L	12.767 ppb	19:14:36
2	Si 251.611†	1823.5	1364.3	89.759 ug/L	89.759 ppb	19:14:36
2	Sn 189.927†	115.1	113.9	17.273 ug/L	17.273 ppb	19:14:36
2	Ti 334.940†	3019.2	2310.3	5.2240 ug/L	5.2240 ppb	19:14:16
2	Tl 190.801†	12.5	36.2	19.462 ug/L	19.462 ppb	19:14:36
2	U 409.014†	736.3	781.7	51.387 ug/L	51.387 ppb	19:14:16
2	V 292.402†	188.5	374.4	4.5987 ug/L	4.5987 ppb	19:14:16
2	Zn 213.857†	1123.3	656.5	9.4708 ug/L	9.4708 ppb	19:14:36
2	SiO2†	1870.5	1405.5	198.27 ug/L	198.27 ppb	19:15:48
3	Sc Radial	12568.4	12568.4	102 %		19:13:12
3	Y RADIAL	8761.4	8761.4	103.0 %		19:13:12
3	Al 396.153Radial†	166.3	160.3	185.46 ug/L	185.46 ppb	19:13:32
3	Ca 317.933Radial†	109.1	71.4	96.552 ug/L	96.552 ppb	19:13:32
3	Fe 238.204 Radial†	43.3	8.8	71.825 ug/L	71.825 ppb	19:13:32
3	K 766.490 Radial†	1974.1	723.4	136.80 ug/L	136.80 ppb	19:13:12
3	Mg 279.077 IEC†	16.9	16.6	387.14 ug/L	387.14 ppb	19:13:32
3	Na 589.592 Radial†	2087.9	889.1	77.443 ug/L	77.443 ppb	19:13:12
3	Sr 421.552†	1129.2	1062.3	4.9533 ug/L	4.9533 ppb	19:13:12
3	Sc 361.383	663626.8	663626.8	101.54 %		19:14:42
3	Y 371.029	440046.0	440046.0	101.77 %		19:14:42
3	Ag 328.068†	548.2	556.6	5.2349 ug/L	5.2349 ppb	19:14:47
3	As 188.979†	10.6	19.5	10.583 ug/L	10.583 ppb	19:15:07
3	B 249.677†	1768.8	1456.8	50.759 ug/L	50.759 ppb	19:14:47
3	Ba 233.527†	253.9	254.2	4.8322 ug/L	4.8322 ppb	19:15:07
3	Be 313.107†	5507.7	7420.7	4.8954 ug/L	4.8954 ppb	19:14:47
3	Cd 226.502†	215.2	293.5	5.0135 ug/L	5.0135 ppb	19:15:07
3	Co 228.616†	135.2	155.6	5.3673 ug/L	5.3673 ppb	19:15:07
3	Cr 267.716†	203.7	229.6	4.8708 ug/L	4.8708 ppb	19:15:07
3	Cu 324.752†	4029.6	1339.4	9.4612 ug/L	9.4612 ppb	19:14:47
3	Mn 257.610†	3985.3	3792.1	10.243 ug/L	10.243 ppb	19:14:47
3	Mo 202.031†	243.4	193.7	10.029 ug/L	10.029 ppb	19:15:07
3	Ni 231.604†	291.0	136.0	5.1906 ug/L	5.1906 ppb	19:15:07
3	P 214.914†	15.1	135.6	138.09 ug/L	138.09 ppb	19:15:07
3	Pb 220.353†	131.1	61.1	9.0211 ug/L	9.0211 ppb	19:15:07
3	S 181.975 Axial†	116.8	69.0	88.271 ug/L	88.271 ppb	19:15:07
3	Sb 206.836†	44.0	18.5	8.8759 ug/L	8.8759 ppb	19:15:07
3	Se 196.026†	40.7	22.1	11.758 ug/L	11.758 ppb	19:15:07
3	Si 251.611†	1852.3	1387.5	91.270 ug/L	91.270 ppb	19:15:07
3	Sn 189.927†	121.7	120.1	18.213 ug/L	18.213 ppb	19:15:07
3	Ti 334.940†	2973.6	2256.8	5.1033 ug/L	5.1033 ppb	19:14:47
3	Tl 190.801†	9.6	33.4	17.932 ug/L	17.932 ppb	19:15:07
3	U 409.014†	713.1	756.7	49.743 ug/L	49.743 ppb	19:14:47
3	V 292.402†	227.7	412.5	5.0547 ug/L	5.0547 ppb	19:14:47
3	Zn 213.857†	1122.3	652.2	9.4029 ug/L	9.4029 ppb	19:15:07
3	SiO2†	1870.1	1399.8	197.46 ug/L	197.46 ppb	19:16:08

Mean Data: PQL

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	662601.2	101.38 %	0.148			0.15%
Sc Radial	12546.7	102 %	0.6			0.62%
Y 371.029	439376.3	101.61 %	0.136			0.13%
Y RADIAL	8747.2	102.9 %	0.49			0.47%
Ag 328.068†	554.2	5.2117 ug/L	0.06177	5.2117 ppb	0.06177	1.19%
QC value within limits for Ag 328.068 Recovery = 104.23%						
Al 396.153Radial†	168.0	194.78 ug/L	8.149	194.78 ppb	8.149	4.18%
QC value within limits for Al 396.153Radial Recovery = 97.39%						
As 188.979†	19.5	10.587 ug/L	0.5447	10.587 ppb	0.5447	5.15%
QC value within limits for As 188.979 Recovery = 70.58%						
B 249.677†	1464.1	51.011 ug/L	0.2207	51.011 ppb	0.2207	0.43%
QC value within limits for B 249.677 Recovery = 102.02%						
Ba 233.527†	259.5	4.9330 ug/L	0.10672	4.9330 ppb	0.10672	2.16%
QC value within limits for Ba 233.527 Recovery = 98.66%						
Be 313.107†	7450.1	4.9148 ug/L	0.01695	4.9148 ppb	0.01695	0.34%
QC value within limits for Be 313.107 Recovery = 98.30%						
Ca 317.933Radial†	72.1	97.493 ug/L	1.5437	97.493 ppb	1.5437	1.58%

QC value within limits for Ca 317.933 Radial Recovery = 97.49%							
Cd 226.502†	292.8	5.0014 ug/L	0.06937	5.0014 ppb	0.06937	1.39%	
QC value within limits for Cd 226.502 Recovery = 100.03%							
Co 228.616†	153.9	5.3109 ug/L	0.15573	5.3109 ppb	0.15573	2.93%	
QC value within limits for Co 228.616 Recovery = 106.22%							
Cr 267.716†	224.9	4.7698 ug/L	0.08902	4.7698 ppb	0.08902	1.87%	
QC value within limits for Cr 267.716 Recovery = 95.40%							
Cu 324.752†	1327.0	9.3744 ug/L	0.19995	9.3744 ppb	0.19995	2.13%	
QC value within limits for Cu 324.752 Recovery = 93.74%							
Fe 238.204 Radial†	9.9	81.267 ug/L	8.3136	81.267 ppb	8.3136	10.23%	
QC value within limits for Fe 238.204 Radial Recovery = 81.27%							
K 766.490 Radial†	700.8	132.52 ug/L	6.189	132.52 ppb	6.189	4.67%	
QC value within limits for K 766.490 Radial Recovery = 88.35%							
Mg 279.077 IEC†	13.4	312.54 ug/L	71.950	312.54 ppb	71.950	23.02%	
QC value within limits for Mg 279.077 IEC Recovery = 104.18%							
Mn 257.610†	3799.6	10.265 ug/L	0.0272	10.265 ppb	0.0272	0.27%	
QC value within limits for Mn 257.610 Recovery = 102.65%							
Mo 202.031†	186.1	9.6352 ug/L	0.35723	9.6352 ppb	0.35723	3.71%	
QC value within limits for Mo 202.031 Recovery = 96.35%							
Na 589.592 Radial†	818.6	71.302 ug/L	5.3400	71.302 ppb	5.3400	7.49%	
QC value less than the lower limit for Na 589.592 Radial Recovery = 47.53%							
Ni 231.604†	124.7	4.7591 ug/L	0.44200	4.7591 ppb	0.44200	9.29%	
QC value within limits for Ni 231.604 Recovery = 95.18%							
P 214.914†	137.6	140.06 ug/L	1.790	140.06 ppb	1.790	1.28%	
QC value within limits for P 214.914 Recovery = 93.37%							
Pb 220.353†	59.0	8.7105 ug/L	0.38808	8.7105 ppb	0.38808	4.46%	
QC value within limits for Pb 220.353 Recovery = 87.10%							
S 181.975 Axial†	68.7	87.920 ug/L	0.6241	87.920 ppb	0.6241	0.71%	
QC value within limits for S 181.975 Axial Recovery = 87.92%							
Sb 206.836†	17.6	8.4576 ug/L	0.41525	8.4576 ppb	0.41525	4.91%	
QC value within limits for Sb 206.836 Recovery = 84.58%							
Se 196.026†	22.0	11.721 ug/L	1.0641	11.721 ppb	1.0641	9.08%	
QC value within limits for Se 196.026 Recovery = 78.14%							
Si 251.611†	1376.7	90.569 ug/L	0.7612	90.569 ppb	0.7612	0.84%	
QC value within limits for Si 251.611 Recovery = 90.57%							
Sn 189.927†	117.0	17.736 ug/L	0.4702	17.736 ppb	0.4702	2.65%	
QC value greater than the upper limit for Sn 189.927 Recovery = 177.36%							
Sr 421.552†	1059.1	4.9383 ug/L	0.04451	4.9383 ppb	0.04451	0.90%	
QC value within limits for Sr 421.552 Recovery = 98.77%							
Ti 334.940†	2276.8	5.1489 ug/L	0.06555	5.1489 ppb	0.06555	1.27%	
QC value within limits for Ti 334.940 Recovery = 102.98%							
Tl 190.801†	33.4	17.915 ug/L	1.5560	17.915 ppb	1.5560	8.69%	
QC value within limits for Tl 190.801 Recovery = 89.57%							
U 409.014†	756.3	49.716 ug/L	1.6847	49.716 ppb	1.6847	3.39%	
QC value within limits for U 409.014 Recovery = 99.43%							
V 292.402†	392.4	4.8121 ug/L	0.22940	4.8121 ppb	0.22940	4.77%	
QC value within limits for V 292.402 Recovery = 96.24%							
Zn 213.857†	656.1	9.4635 ug/L	0.05730	9.4635 ppb	0.05730	0.61%	
QC value within limits for Zn 213.857 Recovery = 94.64%							
SiO2†	1403.6	198.00 ug/L	0.472	198.00 ppb	0.472	0.24%	
QC value within limits for SiO2 Recovery = 92.96%							
QC Failed. Continue with analysis.							

Sequence No.: 9

Sample ID: ICSA

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 13

Date Collected: 1/22/2008 19:18:19

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: ICSA

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	11546.0	11546.0	94.0 %		19:20:20
1	Y RADIAL	7866.8	7866.8	92.53 %		19:20:20
1	Al 396.153Radial†	400431.5	426130.0	504910 ug/L	504910 ppb	19:20:14
1	Ca 317.933Radial†	329277.1	350375.9	473610 ug/L	473610 ppb	19:20:14
1	Fe 238.204 Radial†	21354.1	22691.1	184940 ug/L	184940 ppb	19:20:20
1	K 766.490 Radial†	1162.6	30.8	-166.15 ug/L	-166.15 ppb	19:20:20
1	Mg 279.077 IEC†	19940.6	21220.6	494630 ug/L	494630 ppb	19:20:20
1	Na 589.592 Radial†	340.7	-789.5	-68.768 ug/L	-68.768 ppb	19:20:20
1	Sr 421.552†	3663.7	3857.3	3.1202 ug/L	3.1202 ppb	19:20:20
1	Sc 361.383	576175.9	576175.9	88.157 %		19:20:48
1	Y 371.029	374176.3	374176.3	86.535 %		19:20:48
1	Ag 328.068†	-2666.6	-3008.1	-3.7565 ug/L	-3.7565 ppb	19:20:48
1	As 188.979†	32.0	45.3	19.712 ug/L	19.712 ppb	19:21:09
1	B 249.677†	584.6	377.9	13.168 ug/L	13.168 ppb	19:20:48
1	Ba 233.527†	349.5	400.6	7.6390 ug/L	7.6390 ppb	19:21:09
1	Be 313.107†	-2114.0	-401.6	-0.2649 ug/L	-0.2649 ppb	19:20:48
1	Cd 226.502†	878.7	1078.3	1.1022 ug/L	1.1022 ppb	19:21:09
1	Co 228.616†	40.4	68.2	-1.9052 ug/L	-1.9052 ppb	19:21:09
1	Cr 267.716†	-273.3	-281.0	-5.9342 ug/L	-5.9342 ppb	19:21:09
1	Cu 324.752†	1694.9	-706.5	2.4822 ug/L	2.4822 ppb	19:21:09
1	Mn 257.610†	-4771.7	-5545.7	8.7056 ug/L	8.7056 ppb	19:20:48
1	Mo 202.031†	-169.8	-238.6	-3.8438 ug/L	-3.8438 ppb	19:21:09
1	Ni 231.604†	94.6	-43.2	-1.6549 ug/L	-1.6549 ppb	19:21:09
1	P 214.914†	-57.4	55.7	35.322 ug/L	35.322 ppb	19:21:09
1	Pb 220.353†	-38.3	-111.5	4.0685 ug/L	4.0685 ppb	19:21:09
1	S 181.975 Axial†	104.0	71.9	-23.536 ug/L	-23.536 ppb	19:21:09
1	Sb 206.836†	39.2	19.7	-1.4537 ug/L	-1.4537 ppb	19:21:09
1	Se 196.026†	-595.9	-693.9	-9.1180 ug/L	-9.1180 ppb	19:21:09
1	Si 251.611†	404.9	22.5	1.7205 ug/L	1.7205 ppb	19:21:09
1	Sn 189.927†	-137.4	-155.6	-8.7227 ug/L	-8.7227 ppb	19:21:09
1	Ti 334.940†	-20318.0	-23719.3	-1.1987 ug/L	-1.1987 ppb	19:20:48
1	Tl 190.801†	-6.0	17.2	-11.396 ug/L	-11.396 ppb	19:21:09
1	U 409.014†	232.1	317.7	-51.889 ug/L	-51.889 ppb	19:20:48
1	V 292.402†	1247.6	1603.5	1.2402 ug/L	1.2402 ppb	19:21:09
1	Zn 213.857†	3497.8	3514.6	1.2582 ug/L	1.2582 ppb	19:21:09
1	SiO2†	415.7	29.5	4.1576 ug/L	4.1576 ppb	19:22:07
2	Sc Radial	11609.2	11609.2	94.5 %		19:20:30
2	Y RADIAL	7910.5	7910.5	93.04 %		19:20:30
2	Al 396.153Radial†	407549.4	431341.6	511080 ug/L	511080 ppb	19:20:25
2	Ca 317.933Radial†	335085.9	354614.5	479340 ug/L	479340 ppb	19:20:25
2	Fe 238.204 Radial†	21451.3	22670.2	184770 ug/L	184770 ppb	19:20:30
2	K 766.490 Radial†	1185.0	47.7	-165.03 ug/L	-165.03 ppb	19:20:30
2	Mg 279.077 IEC†	20000.1	21167.9	493400 ug/L	493400 ppb	19:20:30
2	Na 589.592 Radial†	390.3	-739.0	-64.373 ug/L	-64.373 ppb	19:20:30
2	Sr 421.552†	3671.7	3844.5	2.8807 ug/L	2.8807 ppb	19:20:30
2	Sc 361.383	575994.8	575994.8	88.129 %		19:21:15
2	Y 371.029	374402.2	374402.2	86.587 %		19:21:15
2	Ag 328.068†	-2594.4	-2927.1	-3.0261 ug/L	-3.0261 ppb	19:21:15
2	As 188.979†	34.7	48.4	21.114 ug/L	21.114 ppb	19:21:35
2	B 249.677†	600.8	396.5	13.816 ug/L	13.816 ppb	19:21:15
2	Ba 233.527†	359.4	411.9	7.8539 ug/L	7.8539 ppb	19:21:35
2	Be 313.107†	-2102.7	-389.5	-0.2570 ug/L	-0.2570 ppb	19:21:15
2	Cd 226.502†	887.4	1088.5	1.2916 ug/L	1.2916 ppb	19:21:35
2	Co 228.616†	41.1	69.1	-1.8697 ug/L	-1.8697 ppb	19:21:35
2	Cr 267.716†	-253.9	-259.2	-5.4709 ug/L	-5.4709 ppb	19:21:35
2	Cu 324.752†	1681.3	-721.4	2.3704 ug/L	2.3704 ppb	19:21:35
2	Mn 257.610†	-4825.5	-5608.4	8.5144 ug/L	8.5144 ppb	19:21:15
2	Mo 202.031†	-152.0	-218.5	-2.8097 ug/L	-2.8097 ppb	19:21:35
2	Ni 231.604†	96.2	-41.4	-1.5866 ug/L	-1.5866 ppb	19:21:35

2	P 214.914†	-65.7	46.3	28.381 ug/L	28.381 ppb	19:21:35
2	Pb 220.353†	-41.7	-115.3	3.9444 ug/L	3.9444 ppb	19:21:35
2	S 181.975 Axial†	110.2	79.0	-15.867 ug/L	-15.867 ppb	19:21:35
2	Sb 206.836†	55.2	37.8	7.0767 ug/L	7.0767 ppb	19:21:35
2	Se 196.026†	-616.2	-717.2	-21.468 ug/L	-21.468 ppb	19:21:35
2	Si 251.611†	409.6	28.0	2.0610 ug/L	2.0610 ppb	19:21:35
2	Sn 189.927†	-135.6	-153.7	-8.2422 ug/L	-8.2422 ppb	19:21:35
2	Ti 334.940†	-20419.7	-23841.9	-0.8400 ug/L	-0.8400 ppb	19:21:15
2	Tl 190.801†	-12.3	10.0	-15.511 ug/L	-15.511 ppb	19:21:35
2	U 409.014†	219.5	303.4	-53.709 ug/L	-53.709 ppb	19:21:15
2	V 292.402†	1231.2	1585.3	1.0475 ug/L	1.0475 ppb	19:21:35
2	Zn 213.857†	3474.5	3489.4	0.9059 ug/L	0.9059 ppb	19:21:35
2	SiO2†	437.3	54.2	7.6451 ug/L	7.6451 ppb	19:22:12
3	Sc Radial	11328.6	11328.6	92.2 %		19:20:41
3	Y RADIAL	7736.3	7736.3	90.99 %		19:20:41
3	Al 396.153Radial†	401136.7	435070.5	515500 ug/L	515500 ppb	19:20:35
3	Ca 317.933Radial†	330118.0	358010.7	483930 ug/L	483930 ppb	19:20:35
3	Fe 238.204 Radial†	20965.6	22705.8	185060 ug/L	185060 ppb	19:20:41
3	K 766.490 Radial†	1257.9	157.8	-145.86 ug/L	-145.86 ppb	19:20:41
3	Mg 279.077 IEC†	19634.9	21296.1	496390 ug/L	496390 ppb	19:20:41
3	Na 589.592 Radial†	424.7	-691.4	-60.228 ug/L	-60.228 ppb	19:20:41
3	Sr 421.552†	3536.2	3793.7	2.4997 ug/L	2.4997 ppb	19:20:41
3	Sc 361.383	574277.2	574277.2	87.867 %		19:21:41
3	Y 371.029	373788.2	373788.2	86.445 %		19:21:41
3	Ag 328.068†	-2711.2	-3068.9	-4.3099 ug/L	-4.3099 ppb	19:21:41
3	As 188.979†	39.2	53.7	23.781 ug/L	23.781 ppb	19:22:01
3	B 249.677†	591.8	388.3	13.530 ug/L	13.530 ppb	19:21:41
3	Ba 233.527†	350.6	403.1	7.6863 ug/L	7.6863 ppb	19:22:01
3	Be 313.107†	-2083.9	-375.2	-0.2475 ug/L	-0.2475 ppb	19:21:41
3	Cd 226.502†	908.2	1115.2	1.7192 ug/L	1.7192 ppb	19:22:01
3	Co 228.616†	22.9	48.4	-2.5842 ug/L	-2.5842 ppb	19:22:01
3	Cr 267.716†	-266.8	-274.6	-5.7985 ug/L	-5.7985 ppb	19:22:01
3	Cu 324.752†	1668.4	-730.4	2.3187 ug/L	2.3187 ppb	19:22:01
3	Mn 257.610†	-4848.6	-5651.1	8.4365 ug/L	8.4365 ppb	19:21:41
3	Mo 202.031†	-133.5	-197.9	-1.7319 ug/L	-1.7319 ppb	19:22:01
3	Ni 231.604†	99.8	-37.0	-1.4151 ug/L	-1.4151 ppb	19:22:01
3	P 214.914†	-74.7	35.8	19.070 ug/L	19.070 ppb	19:22:01
3	Pb 220.353†	-77.7	-156.4	-1.8477 ug/L	-1.8477 ppb	19:22:01
3	S 181.975 Axial†	104.1	72.4	-25.397 ug/L	-25.397 ppb	19:22:01
3	Sb 206.836†	54.4	37.1	6.6253 ug/L	6.6253 ppb	19:22:01
3	Se 196.026†	-606.6	-708.3	-16.360 ug/L	-16.360 ppb	19:22:01
3	Si 251.611†	420.4	41.8	2.9485 ug/L	2.9485 ppb	19:22:01
3	Sn 189.927†	-136.3	-154.9	-8.2891 ug/L	-8.2891 ppb	19:22:01
3	Ti 334.940†	-20292.3	-23766.3	-0.1584 ug/L	-0.1584 ppb	19:21:41
3	Tl 190.801†	-0.3	23.6	-8.3955 ug/L	-8.3955 ppb	19:22:01
3	U 409.014†	225.1	310.5	-53.948 ug/L	-53.948 ppb	19:21:41
3	V 292.402†	1219.4	1576.1	0.9199 ug/L	0.9199 ppb	19:22:01
3	Zn 213.857†	3494.9	3524.4	1.2191 ug/L	1.2191 ppb	19:22:01
3	SiO2†	409.8	24.3	3.4329 ug/L	3.4329 ppb	19:22:17

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	575482.6	88.051 %		0.1603			0.18%
Sc Radial	11494.6	93.6 %		1.20			1.28%
Y 371.029	374122.2	86.522 %		0.0718			0.08%
Y RADIAL	7837.9	92.19 %		1.066			1.16%
Ag 328.068†	-3001.4	-3.6975 ug/L		0.64394	-3.6975 ppb	0.64394	17.42%
QC value within limits for Ag 328.068 Recovery = Not calculated							
Al 396.153Radial†	430847.4	510490 ug/L		5320.3	510490 ppb	5320.3	1.04%
QC value within limits for Al 396.153Radial Recovery = 102.10%							
As 188.979†	49.2	21.535 ug/L		2.0671	21.535 ppb	2.0671	9.60%
QC value within limits for As 188.979 Recovery = Not calculated							
B 249.677†	387.6	13.505 ug/L		0.3250	13.505 ppb	0.3250	2.41%
QC value within limits for B 249.677 Recovery = Not calculated							
Ba 233.527†	405.2	7.7264 ug/L		0.11294	7.7264 ppb	0.11294	1.46%
QC value within limits for Ba 233.527 Recovery = Not calculated							
Be 313.107†	-388.8	-0.2565 ug/L		0.00870	-0.2565 ppb	0.00870	3.39%
QC value within limits for Be 313.107 Recovery = Not calculated							
Ca 317.933Radial†	354333.7	478960 ug/L		5170.5	478960 ppb	5170.5	1.08%

QC value within limits for Ca 317.933 Radial Recovery = 95.79%							
Cd	226.502†	1094.0	1.3710 ug/L	0.31608	1.3710 ppb	0.31608	23.05%
QC value within limits for Cd 226.502 Recovery = Not calculated							
Co	228.616†	61.9	-2.1197 ug/L	0.40265	-2.1197 ppb	0.40265	19.00%
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr	267.716†	-271.6	-5.7345 ug/L	0.23819	-5.7345 ppb	0.23819	4.15%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu	324.752†	-719.4	2.3904 ug/L	0.08352	2.3904 ppb	0.08352	3.49%
QC value within limits for Cu 324.752 Recovery = Not calculated							
Fe	238.204 Radial†	22689.0	184920 ug/L	145.5	184920 ppb	145.5	0.08%
QC value within limits for Fe 238.204 Radial Recovery = 92.46%							
K	766.490 Radial†	78.8	-159.01 ug/L	11.406	-159.01 ppb	11.406	7.17%
QC value within limits for K 766.490 Radial Recovery = Not calculated							
Mg	279.077 IEC†	21228.2	494810 ug/L	1503.0	494810 ppb	1503.0	0.30%
QC value within limits for Mg 279.077 IEC Recovery = 98.96%							
Mn	257.610†	-5601.7	8.5522 ug/L	0.13846	8.5522 ppb	0.13846	1.62%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo	202.031†	-218.3	-2.7951 ug/L	1.05602	-2.7951 ppb	1.05602	37.78%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na	589.592 Radial†	-740.0	-64.457 ug/L	4.2708	-64.457 ppb	4.2708	6.63%
QC value within limits for Na 589.592 Radial Recovery = Not calculated							
Ni	231.604†	-40.5	-1.5522 ug/L	0.12357	-1.5522 ppb	0.12357	7.96%
QC value within limits for Ni 231.604 Recovery = Not calculated							
P	214.914†	45.9	27.591 ug/L	8.1549	27.591 ppb	8.1549	29.56%
QC value within limits for P 214.914 Recovery = Not calculated							
Pb	220.353†	-127.8	2.0551 ug/L	3.38047	2.0551 ppb	3.38047	164.49%
QC value within limits for Pb 220.353 Recovery = Not calculated							
S	181.975 Axial†	74.4	-21.600 ug/L	5.0512	-21.600 ppb	5.0512	23.38%
QC value within limits for S 181.975 Axial Recovery = Not calculated							
Sb	206.836†	31.5	4.0828 ug/L	4.80002	4.0828 ppb	4.80002	117.57%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se	196.026†	-706.5	-15.649 ug/L	6.2055	-15.649 ppb	6.2055	39.66%
QC value within limits for Se 196.026 Recovery = Not calculated							
Si	251.611†	30.8	2.2433 ug/L	0.63397	2.2433 ppb	0.63397	28.26%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn	189.927†	-154.7	-8.4180 ug/L	0.26493	-8.4180 ppb	0.26493	3.15%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr	421.552†	3831.8	2.8335 ug/L	0.31294	2.8335 ppb	0.31294	11.04%
QC value within limits for Sr 421.552 Recovery = Not calculated							
Ti	334.940†	-23775.8	-0.7324 ug/L	0.52841	-0.7324 ppb	0.52841	72.15%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl	190.801†	16.9	-11.767 ug/L	3.5720	-11.767 ppb	3.5720	30.35%
QC value within limits for Tl 190.801 Recovery = Not calculated							
U	409.014†	310.6	-53.182 ug/L	1.1264	-53.182 ppb	1.1264	2.12%
QC value within limits for U 409.014 Recovery = Not calculated							
V	292.402†	1588.3	1.0692 ug/L	0.16124	1.0692 ppb	0.16124	15.08%
QC value within limits for V 292.402 Recovery = Not calculated							
Zn	213.857†	3509.5	1.1277 ug/L	0.19309	1.1277 ppb	0.19309	17.12%
QC value within limits for Zn 213.857 Recovery = Not calculated							
SiO2†		36.0	5.0786 ug/L	2.25205	5.0786 ppb	2.25205	44.34%
QC value within limits for SiO2 Recovery = Not calculated							
All analyte(s) passed QC.							

Sequence No.: 10
 Sample ID: ICSAB
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 14
 Date Collected: 1/22/2008 19:24:29
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: ICSAB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	11508.1	11508.1	93.7 %		19:26:28
1	Y RADIAL	7839.5	7839.5	92.20 %		19:26:28
1	Al 396.153Radial†	399029.8	426034.2	504580 ug/L	504580 ppb	19:26:22
1	Ca 317.933Radial†	327623.2	349761.8	472780 ug/L	472780 ppb	19:26:22
1	Fe 238.204 Radial†	21324.2	22733.9	185320 ug/L	185320 ppb	19:26:28
1	K 766.490 Radial†	28411.7	29128.1	5338.3 ug/L	5338.3 ppb	19:26:28
1	Mg 279.077 IEC†	19940.1	21289.7	496240 ug/L	496240 ppb	19:26:28
1	Na 589.592 Radial†	58811.5	61639.9	5369.2 ug/L	5369.2 ppb	19:26:22
1	Sr 421.552†	103746.0	110726.0	501.75 ug/L	501.75 ppb	19:26:22
1	Sc 361.383	577824.0	577824.0	88.409 %		19:26:57
1	Y 371.029	376107.2	376107.2	86.981 %		19:26:57
1	Ag 328.068†	22409.7	25364.4	264.74 ug/L	264.74 ppb	19:27:17
1	As 188.979†	851.9	972.6	524.22 ug/L	524.22 ppb	19:27:17
1	B 249.677†	13682.0	15190.5	529.27 ug/L	529.27 ppb	19:26:57
1	Ba 233.527†	22765.3	25754.0	489.63 ug/L	489.63 ppb	19:27:17
1	Be 313.107†	315425.8	358775.8	236.68 ug/L	236.68 ppb	19:26:57
1	Cd 226.502†	24316.2	27585.7	452.81 ug/L	452.81 ppb	19:27:17
1	Co 228.616†	11940.7	13528.6	461.89 ug/L	461.89 ppb	19:27:17
1	Cr 267.716†	19575.7	22171.1	470.34 ug/L	470.34 ppb	19:27:17
1	Cu 324.752†	71440.9	78177.9	559.56 ug/L	559.56 ppb	19:26:57
1	Mn 257.610†	151124.5	170804.7	484.68 ug/L	484.68 ppb	19:26:57
1	Mo 202.031†	8155.6	9178.9	483.61 ug/L	483.61 ppb	19:27:17
1	Ni 231.604†	10497.1	11722.7	447.30 ug/L	447.30 ppb	19:27:17
1	P 214.914†	2121.5	2520.5	2539.1 ug/L	2539.1 ppb	19:27:17
1	Pb 220.353†	2709.5	2996.7	463.66 ug/L	463.66 ppb	19:27:17
1	S 181.975 Axial†	1928.4	2135.2	2618.5 ug/L	2618.5 ppb	19:27:17
1	Sb 206.836†	1009.4	1116.9	520.78 ug/L	520.78 ppb	19:27:17
1	Se 196.026†	3457.3	3892.6	2408.4 ug/L	2408.4 ppb	19:27:17
1	Si 251.611†	68400.8	76931.7	5062.2 ug/L	5062.2 ppb	19:26:57
1	Sn 189.927†	2619.7	2963.4	464.10 ug/L	464.10 ppb	19:27:17
1	Ti 334.940†	176129.6	198549.1	502.54 ug/L	502.54 ppb	19:26:57
1	Tl 190.801†	734.2	854.3	437.52 ug/L	437.52 ppb	19:27:17
1	U 409.014†	6461.5	7363.0	409.38 ug/L	409.38 ppb	19:26:57
1	V 292.402†	38118.3	43304.0	501.23 ug/L	501.23 ppb	19:26:57
1	Zn 213.857†	33270.1	37178.8	486.64 ug/L	486.64 ppb	19:26:57
1	SiO2†	68727.1	77295.5	10904 ug/L	10904 ppb	19:28:16
2	Sc Radial	11547.0	11547.0	94.0 %		19:26:38
2	Y RADIAL	7887.9	7887.9	92.77 %		19:26:38
2	Al 396.153Radial†	401441.3	427165.4	505920 ug/L	505920 ppb	19:26:33
2	Ca 317.933Radial†	330304.8	351437.2	475040 ug/L	475040 ppb	19:26:33
2	Fe 238.204 Radial†	21290.0	22620.9	184390 ug/L	184390 ppb	19:26:38
2	K 766.490 Radial†	28532.6	29154.6	5342.5 ug/L	5342.5 ppb	19:26:38
2	Mg 279.077 IEC†	19956.5	21235.5	494980 ug/L	494980 ppb	19:26:38
2	Na 589.592 Radial†	59149.5	61788.0	5382.1 ug/L	5382.1 ppb	19:26:33
2	Sr 421.552†	104470.9	111124.3	503.54 ug/L	503.54 ppb	19:26:33
2	Sc 361.383	578788.3	578788.3	88.557 %		19:27:23
2	Y 371.029	376850.4	376850.4	87.153 %		19:27:23
2	Ag 328.068†	22458.9	25377.8	264.74 ug/L	264.74 ppb	19:27:44
2	As 188.979†	845.6	964.0	519.31 ug/L	519.31 ppb	19:27:44
2	B 249.677†	13755.8	15248.1	531.28 ug/L	531.28 ppb	19:27:23
2	Ba 233.527†	22738.6	25681.0	488.25 ug/L	488.25 ppb	19:27:44
2	Be 313.107†	316320.9	359192.2	236.96 ug/L	236.96 ppb	19:27:23
2	Cd 226.502†	24285.6	27505.4	451.53 ug/L	451.53 ppb	19:27:44
2	Co 228.616†	11897.5	13457.3	459.45 ug/L	459.45 ppb	19:27:44
2	Cr 267.716†	19567.5	22125.0	469.37 ug/L	469.37 ppb	19:27:44
2	Cu 324.752†	71370.0	77963.2	558.01 ug/L	558.01 ppb	19:27:23
2	Mn 257.610†	151483.1	170924.8	484.89 ug/L	484.89 ppb	19:27:23
2	Mo 202.031†	8123.9	9127.6	480.92 ug/L	480.92 ppb	19:27:44
2	Ni 231.604†	10468.8	11671.0	445.33 ug/L	445.33 ppb	19:27:44

2	P 214.914†	2123.5	2518.7	2539.0 ug/L	2539.0 ppb	19:27:44
2	Pb 220.353†	2717.6	3000.8	464.40 ug/L	464.40 ppb	19:27:44
2	S 181.975 Axial†	1913.8	2115.0	2592.4 ug/L	2592.4 ppb	19:27:44
2	Sb 206.836†	1009.8	1115.4	520.01 ug/L	520.01 ppb	19:27:44
2	Se 196.026†	3455.9	3884.5	2402.4 ug/L	2402.4 ppb	19:27:44
2	Si 251.611†	68527.0	76945.3	5063.2 ug/L	5063.2 ppb	19:27:23
2	Sn 189.927†	2624.2	2963.6	464.19 ug/L	464.19 ppb	19:27:44
2	Ti 334.940†	176480.6	198613.6	502.93 ug/L	502.93 ppb	19:27:23
2	Tl 190.801†	732.4	851.0	435.63 ug/L	435.63 ppb	19:27:44
2	U 409.014†	6632.3	7543.7	420.92 ug/L	420.92 ppb	19:27:23
2	V 292.402†	38177.2	43298.7	501.26 ug/L	501.26 ppb	19:27:23
2	Zn 213.857†	33318.3	37170.5	486.69 ug/L	486.69 ppb	19:27:23
2	SiO2†	68962.6	77431.9	10923 ug/L	10923 ppb	19:28:21
3	Sc Radial	11522.0	11522.0	93.8 %		19:26:49
3	Y RADIAL	7855.4	7855.4	92.39 %		19:26:49
3	Al 396.153Radial†	400351.8	426930.0	505640 ug/L	505640 ppb	19:26:44
3	Ca 317.933Radial†	329910.2	351778.7	475510 ug/L	475510 ppb	19:26:44
3	Fe 238.204 Radial†	21248.4	22625.6	184430 ug/L	184430 ppb	19:26:49
3	K 766.490 Radial†	28353.4	29029.3	5318.6 ug/L	5318.6 ppb	19:26:49
3	Mg 279.077 IEC†	19798.3	21112.9	492120 ug/L	492120 ppb	19:26:49
3	Na 589.592 Radial†	58983.3	61747.3	5378.6 ug/L	5378.6 ppb	19:26:44
3	Sr 421.552†	104113.8	110984.6	502.87 ug/L	502.87 ppb	19:26:44
3	Sc 361.383	578249.6	578249.6	88.474 %		19:27:50
3	Y 371.029	376824.4	376824.4	87.147 %		19:27:50
3	Ag 328.068†	22429.6	25368.3	264.66 ug/L	264.66 ppb	19:28:10
3	As 188.979†	850.1	970.0	522.55 ug/L	522.55 ppb	19:28:10
3	B 249.677†	13694.6	15193.4	529.37 ug/L	529.37 ppb	19:27:50
3	Ba 233.527†	22694.4	25655.0	487.75 ug/L	487.75 ppb	19:28:10
3	Be 313.107†	316973.5	360262.6	237.66 ug/L	237.66 ppb	19:27:50
3	Cd 226.502†	24249.2	27489.8	451.26 ug/L	451.26 ppb	19:28:10
3	Co 228.616†	11925.2	13501.1	460.97 ug/L	460.97 ppb	19:28:10
3	Cr 267.716†	19539.0	22113.3	469.12 ug/L	469.12 ppb	19:28:10
3	Cu 324.752†	71431.7	78108.0	559.03 ug/L	559.03 ppb	19:27:50
3	Mn 257.610†	151521.2	171127.2	485.44 ug/L	485.44 ppb	19:27:50
3	Mo 202.031†	8166.1	9183.9	483.83 ug/L	483.83 ppb	19:28:10
3	Ni 231.604†	10461.1	11673.3	445.42 ug/L	445.42 ppb	19:28:10
3	P 214.914†	2123.2	2520.5	2540.7 ug/L	2540.7 ppb	19:28:10
3	Pb 220.353†	2718.0	3004.0	464.87 ug/L	464.87 ppb	19:28:10
3	S 181.975 Axial†	1910.4	2113.2	2590.1 ug/L	2590.1 ppb	19:28:10
3	Sb 206.836†	1002.5	1108.3	516.65 ug/L	516.65 ppb	19:28:10
3	Se 196.026†	3473.3	3907.8	2415.1 ug/L	2415.1 ppb	19:28:10
3	Si 251.611†	68582.3	77079.9	5072.0 ug/L	5072.0 ppb	19:27:50
3	Sn 189.927†	2612.2	2952.8	462.57 ug/L	462.57 ppb	19:28:10
3	Ti 334.940†	176700.8	199048.1	503.97 ug/L	503.97 ppb	19:27:50
3	Tl 190.801†	729.2	848.1	434.04 ug/L	434.04 ppb	19:28:10
3	U 409.014†	6495.0	7395.4	411.09 ug/L	411.09 ppb	19:27:50
3	V 292.402†	38189.2	43352.4	501.90 ug/L	501.90 ppb	19:27:50
3	Zn 213.857†	33329.5	37218.3	487.48 ug/L	487.48 ppb	19:27:50
3	SiO2†	68591.5	77085.0	10874 ug/L	10874 ppb	19:28:26

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	578287.3	88.480 %	0.0739			0.08%
Sc Radial	11525.7	93.8 %	0.16			0.17%
Y 371.029	376594.0	87.094 %	0.0975			0.11%
Y RADIAL	7860.9	92.46 %	0.290			0.31%
Ag 328.068†	25370.2	264.71 ug/L	0.044	264.71 ppb	0.044	0.02%
QC value within limits for Ag 328.068 Recovery = 105.89%						
Al 396.153Radial†	426709.8	505380 ug/L	707.6	505380 ppb	707.6	0.14%
QC value within limits for Al 396.153Radial Recovery = 101.08%						
As 188.979†	968.8	522.02 ug/L	2.494	522.02 ppb	2.494	0.48%
QC value within limits for As 188.979 Recovery = 104.40%						
B 249.677†	15210.7	529.97 ug/L	1.130	529.97 ppb	1.130	0.21%
QC value within limits for B 249.677 Recovery = 105.99%						
Ba 233.527†	25696.7	488.55 ug/L	0.974	488.55 ppb	0.974	0.20%
QC value within limits for Ba 233.527 Recovery = 97.71%						
Be 313.107†	359410.2	237.10 ug/L	0.506	237.10 ppb	0.506	0.21%
QC value within limits for Be 313.107 Recovery = 94.84%						
Ca 317.933Radial†	350992.6	474440 ug/L	1459.1	474440 ppb	1459.1	0.31%

QC value within limits for Ca 317.933 Radial Recovery = 94.89%							
Cd	226.502†	27526.9	451.87 ug/L	0.828	451.87 ppb	0.828	0.18%
QC value within limits for Cd 226.502 Recovery = 90.37%							
Co	228.616†	13495.7	460.77 ug/L	1.229	460.77 ppb	1.229	0.27%
QC value within limits for Co 228.616 Recovery = 92.15%							
Cr	267.716†	22136.5	469.61 ug/L	0.647	469.61 ppb	0.647	0.14%
QC value within limits for Cr 267.716 Recovery = 93.92%							
Cu	324.752†	78083.0	558.87 ug/L	0.790	558.87 ppb	0.790	0.14%
QC value within limits for Cu 324.752 Recovery = 111.77%							
Fe	238.204 Radial†	22660.1	184720 ug/L	521.2	184720 ppb	521.2	0.28%
QC value within limits for Fe 238.204 Radial Recovery = 92.36%							
K	766.490 Radial†	29104.0	5333.1 ug/L	12.74	5333.1 ppb	12.74	0.24%
QC value within limits for K 766.490 Radial Recovery = 106.66%							
Mg	279.077 IEC†	21212.7	494450 ug/L	2111.8	494450 ppb	2111.8	0.43%
QC value within limits for Mg 279.077 IEC Recovery = 98.89%							
Mn	257.610†	170952.2	485.00 ug/L	0.392	485.00 ppb	0.392	0.08%
QC value within limits for Mn 257.610 Recovery = 97.00%							
Mo	202.031†	9163.5	482.79 ug/L	1.622	482.79 ppb	1.622	0.34%
QC value within limits for Mo 202.031 Recovery = 96.56%							
Na	589.592 Radial†	61725.1	5376.6 ug/L	6.67	5376.6 ppb	6.67	0.12%
QC value within limits for Na 589.592 Radial Recovery = 107.53%							
Ni	231.604†	11689.0	446.02 ug/L	1.114	446.02 ppb	1.114	0.25%
QC value within limits for Ni 231.604 Recovery = 89.20%							
P	214.914†	2519.9	2539.6 ug/L	0.94	2539.6 ppb	0.94	0.04%
QC value within limits for P 214.914 Recovery = 101.58%							
Pb	220.353†	3000.5	464.31 ug/L	0.614	464.31 ppb	0.614	0.13%
QC value within limits for Pb 220.353 Recovery = 92.86%							
S	181.975 Axial†	2121.1	2600.3 ug/L	15.76	2600.3 ppb	15.76	0.61%
QC value within limits for S 181.975 Axial Recovery = 104.01%							
Sb	206.836†	1113.5	519.14 ug/L	2.194	519.14 ppb	2.194	0.42%
QC value within limits for Sb 206.836 Recovery = 103.83%							
Se	196.026†	3895.0	2408.6 ug/L	6.36	2408.6 ppb	6.36	0.26%
QC value within limits for Se 196.026 Recovery = 96.35%							
Si	251.611†	76985.6	5065.8 ug/L	5.38	5065.8 ppb	5.38	0.11%
QC value within limits for Si 251.611 Recovery = 101.32%							
Sn	189.927†	2959.9	463.62 ug/L	0.912	463.62 ppb	0.912	0.20%
QC value within limits for Sn 189.927 Recovery = 92.72%							
Sr	421.552†	110945.0	502.72 ug/L	0.903	502.72 ppb	0.903	0.18%
QC value within limits for Sr 421.552 Recovery = 100.54%							
Ti	334.940†	198736.9	503.15 ug/L	0.741	503.15 ppb	0.741	0.15%
QC value within limits for Ti 334.940 Recovery = 100.63%							
Tl	190.801†	851.1	435.73 ug/L	1.744	435.73 ppb	1.744	0.40%
QC value within limits for Tl 190.801 Recovery = 87.15%							
U	409.014†	7434.0	413.80 ug/L	6.230	413.80 ppb	6.230	1.51%
QC value within limits for U 409.014 Recovery = 82.76%							
V	292.402†	43318.4	501.46 ug/L	0.378	501.46 ppb	0.378	0.08%
QC value within limits for V 292.402 Recovery = 100.29%							
Zn	213.857†	37189.2	486.94 ug/L	0.468	486.94 ppb	0.468	0.10%
QC value within limits for Zn 213.857 Recovery = 97.39%							
SiO2†		77270.8	10900 ug/L	24.6	10900 ppb	24.6	0.23%
QC value within limits for SiO2 Recovery = 101.92%							
All analyte(s) passed QC.							

Sequence No.: 11
 Sample ID: LR1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 15
 Date Collected: 1/22/2008 19:30:37
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: LR1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	11545.1	11545.1	94.0 %		19:32:43
1	Y RADIAL	7906.6	7906.6	92.99 %		19:32:43
1	Al 396.153Radial†	395880.9	421317.6	499210 ug/L	499210 ppb	19:32:38
1	Ca 317.933Radial†	320911.6	341497.9	461610 ug/L	461610 ppb	19:32:38
1	Fe 238.204 Radial†	40405.0	42967.8	350200 ug/L	350200 ppb	19:32:43
1	K 766.490 Radial†	1253.6	127.6	-143.47 ug/L	-143.47 ppb	19:32:43
1	Mg 279.077 IEC†	19581.6	20840.0	485760 ug/L	485760 ppb	19:32:43
1	Na 589.592 Radial†	5453825.3	5803131.7	505490 ug/L	505490 ppb	19:32:33
1	Sr 421.552†	3384.7	3560.6	2.1130 ug/L	2.1130 ppb	19:32:43
1	Sc 361.383	561133.1	561133.1	85.855 %		19:33:27
1	Y 371.029	363616.9	363616.9	84.093 %		19:33:27
1	Ag 328.068†	-4795.5	-5568.9	-6.1320 ug/L	-6.1320 ppb	19:33:27
1	As 188.979†	-16.7	-10.4	6.0648 ug/L	6.0648 ppb	19:33:47
1	B 249.677†	757.2	596.7	20.791 ug/L	20.791 ppb	19:33:27
1	Ba 233.527†	571.7	670.0	12.735 ug/L	12.735 ppb	19:33:47
1	Be 313.107†	-5784.0	-4740.5	-3.1273 ug/L	-3.1273 ppb	19:33:27
1	Cd 226.502†	1567.1	1906.8	5.4805 ug/L	5.4805 ppb	19:33:47
Saturated outside auto integration window (code 5)						
1	Co 228.616†	157.1	205.4	-0.9822 ug/L	-0.9822 ppb	19:33:47
1	Cr 267.716†	-159.4	-156.7	-3.3069 ug/L	-3.3069 ppb	19:33:47
1	Cu 324.752†	1070.6	-1382.2	4.3872 ug/L	4.3872 ppb	19:33:27
1	Mn 257.610†	-11265.3	-13254.1	9.0556 ug/L	9.0556 ppb	19:33:27
1	Mo 202.031†	-314.4	-412.1	-5.2230 ug/L	-5.2230 ppb	19:33:47
1	Ni 231.604†	129.4	0.1	-0.0054 ug/L	-0.0054 ppb	19:33:47
1	P 214.914†	122.3	263.2	46.676 ug/L	46.676 ppb	19:33:47
1	Pb 220.353†	79.0	24.0	2.2416 ug/L	2.2416 ppb	19:33:47
1	S 181.975 Axial†	115.9	89.0	-0.4055 ug/L	-0.4055 ppb	19:33:47
1	Sb 206.836†	27.0	6.6	-7.5804 ug/L	-7.5804 ppb	19:33:47
1	Se 196.026†	-1231.1	-1451.9	-48.845 ug/L	-48.845 ppb	19:33:47
1	Si 251.611†	-95.4	-547.9	-35.710 ug/L	-35.710 ppb	19:33:47
1	Sn 189.927†	-169.5	-197.1	-15.392 ug/L	-15.392 ppb	19:33:47
1	Ti 334.940†	-17250.5	-20764.3	-2.9133 ug/L	-2.9133 ppb	19:33:27
1	Tl 190.801†	-35.0	-16.9	-29.237 ug/L	-29.237 ppb	19:33:47
1	U 409.014†	181476.9	211429.4	13848 ug/L	13848 ppb	19:33:27
1	V 292.402†	705.7	1010.3	0.5926 ug/L	0.5926 ppb	19:33:27
1	Zn 213.857†	5105.2	5493.2	5.6440 ug/L	5.6440 ppb	19:33:47
1	SiO2†	-165.3	-634.5	-89.513 ug/L	-89.513 ppb	19:34:45
2	Sc Radial	11537.5	11537.5	93.9 %		19:33:01
2	Y RADIAL	7864.5	7864.5	92.50 %		19:33:01
2	Al 396.153Radial†	398409.1	424287.0	502730 ug/L	502730 ppb	19:32:55
2	Ca 317.933Radial†	322565.0	343483.3	464290 ug/L	464290 ppb	19:32:55
2	Fe 238.204 Radial†	40437.6	43030.9	350710 ug/L	350710 ppb	19:33:01
2	K 766.490 Radial†	1278.8	155.3	-139.20 ug/L	-139.20 ppb	19:33:01
2	Mg 279.077 IEC†	19572.6	20844.1	485860 ug/L	485860 ppb	19:33:01
2	Na 589.592 Radial†	5428263.8	5779725.9	503450 ug/L	503450 ppb	19:32:50
2	Sr 421.552†	3377.7	3555.6	2.0052 ug/L	2.0052 ppb	19:33:01
2	Sc 361.383	562222.6	562222.6	86.022 %		19:33:53
2	Y 371.029	364876.2	364876.2	84.384 %		19:33:53
2	Ag 328.068†	-4899.6	-5679.0	-7.0962 ug/L	-7.0962 ppb	19:33:53
2	As 188.979†	-12.3	-5.2	8.7975 ug/L	8.7975 ppb	19:34:13
2	B 249.677†	752.6	589.6	20.544 ug/L	20.544 ppb	19:33:53
2	Ba 233.527†	581.0	679.5	12.914 ug/L	12.914 ppb	19:34:13
2	Be 313.107†	-5836.4	-4788.3	-3.1588 ug/L	-3.1588 ppb	19:33:53
2	Cd 226.502†	1578.2	1916.2	5.6112 ug/L	5.6112 ppb	19:34:13
Saturated outside auto integration window (code 5)						
2	Co 228.616†	174.3	225.0	-0.3208 ug/L	-0.3208 ppb	19:34:13
2	Cr 267.716†	-98.3	-85.3	-1.7941 ug/L	-1.7941 ppb	19:34:13
2	Cu 324.752†	1038.2	-1422.3	4.1251 ug/L	4.1251 ppb	19:33:53
2	Mn 257.610†	-11133.1	-13075.1	9.6045 ug/L	9.6045 ppb	19:33:53

2	Mo 202.031†	-321.7	-420.0	-5.6064 ug/L	-5.6064 ppb	19:34:13
2	Ni 231.604†	135.0	6.3	0.2315 ug/L	0.2315 ppb	19:34:13
2	P 214.914†	142.5	286.4	71.148 ug/L	71.148 ppb	19:34:13
2	Pb 220.353†	93.4	40.5	4.8490 ug/L	4.8490 ppb	19:34:13
2	S 181.975 Axial†	116.2	89.0	-1.1680 ug/L	-1.1680 ppb	19:34:13
2	Sb 206.836†	35.2	16.1	-3.1913 ug/L	-3.1913 ppb	19:34:13
2	Se 196.026†	-1225.4	-1442.5	-42.684 ug/L	-42.684 ppb	19:34:13
2	Si 251.611†	-112.7	-567.7	-37.009 ug/L	-37.009 ppb	19:34:13
2	Sn 189.927†	-186.5	-216.6	-18.252 ug/L	-18.252 ppb	19:34:13
2	Ti 334.940†	-17280.2	-20759.8	-2.6283 ug/L	-2.6283 ppb	19:33:53
2	Tl 190.801†	-18.0	3.0	-18.674 ug/L	-18.674 ppb	19:34:13
2	U 409.014†	182412.3	212107.2	13893 ug/L	13893 ppb	19:33:53
2	V 292.402†	662.6	958.5	-0.0031 ug/L	-0.0031 ppb	19:33:53
2	Zn 213.857†	5097.9	5473.2	5.2455 ug/L	5.2455 ppb	19:34:13
2	SiO2†	-131.3	-594.6	-83.884 ug/L	-83.884 ppb	19:34:50
3	Sc Radial	11369.6	11369.6	92.5 %		19:33:18
3	Y RADIAL	7784.7	7784.7	91.56 %		19:33:18
3	Al 396.153Radial†	393640.0	425400.7	504050 ug/L	504050 ppb	19:33:13
3	Ca 317.933Radial†	319490.3	345235.0	466660 ug/L	466660 ppb	19:33:13
3	Fe 238.204 Radial†	40021.8	43217.7	352240 ug/L	352240 ppb	19:33:18
3	K 766.490 Radial†	1307.0	205.9	-130.49 ug/L	-130.49 ppb	19:33:18
3	Mg 279.077 IEC†	19421.2	20988.4	489220 ug/L	489220 ppb	19:33:18
3	Na 589.592 Radial†	5403625.0	5838495.0	508570 ug/L	508570 ppb	19:33:08
3	Sr 421.552†	3271.1	3493.4	1.6410 ug/L	1.6410 ppb	19:33:18
3	Sc 361.383	566876.6	566876.6	86.734 %		19:34:19
3	Y 371.029	367810.9	367810.9	85.063 %		19:34:19
3	Ag 328.068†	-4874.3	-5603.1	-6.1909 ug/L	-6.1909 ppb	19:34:19
3	As 188.979†	-19.4	-13.2	4.4632 ug/L	4.4632 ppb	19:34:40
3	B 249.677†	834.9	677.4	23.601 ug/L	23.601 ppb	19:34:19
3	Ba 233.527†	577.5	669.9	12.732 ug/L	12.732 ppb	19:34:40
3	Be 313.107†	-5891.2	-4795.9	-3.1638 ug/L	-3.1638 ppb	19:34:19
3	Cd 226.502†	1571.2	1893.1	5.0684 ug/L	5.0684 ppb	19:34:40
Saturated outside auto integration window (code 5)						
3	Co 228.616†	170.3	218.7	-0.5745 ug/L	-0.5745 ppb	19:34:40
3	Cr 267.716†	-119.9	-109.3	-2.3033 ug/L	-2.3033 ppb	19:34:40
3	Cu 324.752†	1033.7	-1437.4	4.0795 ug/L	4.0795 ppb	19:34:19
3	Mn 257.610†	-11332.4	-13198.6	9.4660 ug/L	9.4660 ppb	19:34:19
3	Mo 202.031†	-335.3	-432.6	-6.1864 ug/L	-6.1864 ppb	19:34:40
3	Ni 231.604†	111.1	-22.4	-0.8669 ug/L	-0.8669 ppb	19:34:40
3	P 214.914†	134.9	276.3	59.502 ug/L	59.502 ppb	19:34:40
3	Pb 220.353†	93.8	40.1	4.7774 ug/L	4.7774 ppb	19:34:40
3	S 181.975 Axial†	108.9	79.4	-13.714 ug/L	-13.714 ppb	19:34:40
3	Sb 206.836†	35.6	16.2	-3.1841 ug/L	-3.1841 ppb	19:34:40
3	Se 196.026†	-1238.4	-1445.8	-41.456 ug/L	-41.456 ppb	19:34:40
3	Si 251.611†	-160.1	-621.3	-40.530 ug/L	-40.530 ppb	19:34:40
3	Sn 189.927†	-192.9	-222.2	-19.033 ug/L	-19.033 ppb	19:34:40
3	Ti 334.940†	-17532.6	-20886.0	-2.6440 ug/L	-2.6440 ppb	19:34:19
3	Tl 190.801†	-38.1	-20.0	-31.170 ug/L	-31.170 ppb	19:34:40
3	U 409.014†	183735.4	211891.7	13878 ug/L	13878 ppb	19:34:19
3	V 292.402†	669.8	960.5	-0.1541 ug/L	-0.1541 ppb	19:34:19
3	Zn 213.857†	5097.2	5423.7	4.1625 ug/L	4.1625 ppb	19:34:40
3	SiO2†	-154.4	-620.1	-87.469 ug/L	-87.469 ppb	19:34:55

Mean Data: LRI

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	563410.7	86.204 %	0.4667			0.54%
Sc Radial	11484.1	93.5 %	0.81			0.86%
Y 371.029	365434.7	84.513 %	0.4977			0.59%
Y RADIAL	7851.9	92.35 %	0.728			0.79%
Ag 328.068†	-5617.0	-6.4731 ug/L	0.54049	-6.4731 ppb	0.54049	8.35%
Al 396.153Radial†	423668.4	501990 ug/L	2501.1	501990 ppb	2501.1	0.50%
QC value within limits for Al 396.153Radial Recovery = 100.40%						
As 188.979†	-9.6	6.4418 ug/L	2.19162	6.4418 ppb	2.19162	34.02%
B 249.677†	621.2	21.645 ug/L	1.6980	21.645 ppb	1.6980	7.84%
Ba 233.527†	673.1	12.794 ug/L	0.1041	12.794 ppb	0.1041	0.81%
Be 313.107†	-4774.9	-3.1500 ug/L	0.01982	-3.1500 ppb	0.01982	0.63%
Ca 317.933Radial†	343405.4	464190 ug/L	2527.4	464190 ppb	2527.4	0.54%
QC value within limits for Ca 317.933Radial Recovery = 92.84%						
Cd 226.502†	1905.4	5.3867 ug/L	0.28330	5.3867 ppb	0.28330	5.26%

Saturated outside auto integration window (code 5)

Co 228.616†	216.4	-0.6259 ug/L	0.33365	-0.6259 ppb	0.33365	53.31%
Cr 267.716†	-117.1	-2.4681 ug/L	0.76972	-2.4681 ppb	0.76972	31.19%
Cu 324.752†	-1414.0	4.1973 ug/L	0.16606	4.1973 ppb	0.16606	3.96%
Fe 238.204 Radial†	43072.1	351050 ug/L	1059.1	351050 ppb	1059.1	0.30%
QC value less than the lower limit for Fe 238.204 Radial Recovery = 87.76%						
K 766.490 Radial†	163.0	-137.72 ug/L	6.617	-137.72 ppb	6.617	4.80%
Mg 279.077 IEC†	20890.8	486940 ug/L	1971.1	486940 ppb	1971.1	0.40%
QC value within limits for Mg 279.077 IEC Recovery = 97.39%						
Mn 257.610†	-13176.0	9.3754 ug/L	0.28547	9.3754 ppb	0.28547	3.04%
Mo 202.031†	-421.6	-5.6719 ug/L	0.48503	-5.6719 ppb	0.48503	8.55%
Na 589.592 Radial†	5807117.5	505840 ug/L	2577.2	505840 ppb	2577.2	0.51%
QC value within limits for Na 589.592 Radial Recovery = 101.17%						
Ni 231.604†	-5.3	-0.2136 ug/L	0.57804	-0.2136 ppb	0.57804	270.64%
P 214.914†	275.3	59.109 ug/L	12.2407	59.109 ppb	12.2407	20.71%
Pb 220.353†	34.9	3.9560 ug/L	1.48516	3.9560 ppb	1.48516	37.54%
S 181.975 Axial†	85.8	-5.0960 ug/L	7.47345	-5.0960 ppb	7.47345	146.65%
Sb 206.836†	13.0	-4.6519 ug/L	2.53614	-4.6519 ppb	2.53614	54.52%
Se 196.026†	-1446.7	-44.329 ug/L	3.9593	-44.329 ppb	3.9593	8.93%
Si 251.611†	-579.0	-37.750 ug/L	2.4943	-37.750 ppb	2.4943	6.61%
Sn 189.927†	-212.0	-17.559 ug/L	1.9170	-17.559 ppb	1.9170	10.92%
Sr 421.552†	3536.5	1.9198 ug/L	0.24735	1.9198 ppb	0.24735	12.88%
Ti 334.940†	-20803.4	-2.7285 ug/L	0.16021	-2.7285 ppb	0.16021	5.87%
Tl 190.801†	-11.3	-26.360 ug/L	6.7265	-26.360 ppb	6.7265	25.52%
U 409.014†	211809.4	13873 ug/L	22.5	13873 ppb	22.5	0.16%
QC value within limits for U 409.014 Recovery = 92.49%						
V 292.402†	976.4	0.1451 ug/L	0.39480	0.1451 ppb	0.39480	272.01%
Zn 213.857†	5463.4	5.0173 ug/L	0.76667	5.0173 ppb	0.76667	15.28%
SiO2†	-616.4	-86.955 ug/L	2.8496	-86.955 ppb	2.8496	3.28%

QC Failed. Continue with analysis.

Sequence No.: 12

Sample ID: LR2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 16

Date Collected: 1/22/2008 19:37:06

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: LR2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12440.5	12440.5	101 %		19:39:06
1	Y RADIAL	8568.6	8568.6	100.8 %		19:39:06
1	Al 396.153Radial†	507.4	498.8	-3801.5 ug/L	-3801.5 ppb	19:39:26
1	Ca 317.933Radial†	136.3	99.4	134.36 ug/L	134.36 ppb	19:39:26
1	Fe 238.204 Radial†	-31.8	-65.0	79.848 ug/L	79.848 ppb	19:39:26
1	K 766.490 Radial†	1572805.7	1552191.0	293620 ug/L	293620 ppb	19:39:01
1	Mg 279.077 IEC†	-10.8	-10.5	-245.61 ug/L	-245.61 ppb	19:39:26
1	Na 589.592 Radial†	2183.8	1004.8	87.524 ug/L	87.524 ppb	19:39:06
1	Sr 421.552†	2105061.0	2079043.3	9699.9 ug/L	9699.9 ppb	19:39:01
1	Sc 361.383	639944.6	639944.6	97.914 %		19:40:49
1	Y 371.029	418665.6	418665.6	96.824 %		19:40:49
1	Ag 328.068†	-8408.5	-8570.9	4.8055 ug/L	4.8055 ppb	19:40:54
1	As 188.979†	18161.1	18557.2	10109 ug/L	10109 ppb	19:40:54
1	B 249.677†	143358.9	146128.1	5091.4 ug/L	5091.4 ppb	19:40:49
1	Ba 233.527†	730868.9	746444.7	14181 ug/L	14181 ppb	19:40:49
1	Be 313.107†	4271472.6	4364475.6	2879.2 ug/L	2879.2 ppb	19:40:40
1	Cd 226.502†	552945.1	564807.5	9621.5 ug/L	9621.5 ppb	19:40:49
1	Co 228.616†	283997.7	290070.9	9993.8 ug/L	9993.8 ppb	19:40:49
1	Cr 267.716†	1115914.4	1139718.6	24160 ug/L	24160 ppb	19:40:49
1	Cu 324.752†	2747379.7	2803285.4	19796 ug/L	19796 ppb	19:40:49
1	Mn 257.610†	3419785.9	3492513.9	9425.5 ug/L	9425.5 ppb	19:40:49
1	Mo 202.031†	188018.7	191978.6	9936.6 ug/L	9936.6 ppb	19:40:49
1	Ni 231.604†	251555.5	256764.5	9797.7 ug/L	9797.7 ppb	19:40:49
1	P 214.914†	14646.6	15079.4	15090 ug/L	15090 ppb	19:40:54
1	Pb 220.353†	161468.2	164840.3	24357 ug/L	24357 ppb	19:40:49
1	S 181.975 Axial†	39880.8	40684.4	52096 ug/L	52096 ppb	19:40:54
1	Sb 206.836†	21747.2	22185.7	10286 ug/L	10286 ppb	19:40:54
1	Se 196.026†	18634.5	19013.5	10019 ug/L	10019 ppb	19:40:54
1	Si 251.611†	719858.0	734758.3	48246 ug/L	48246 ppb	19:40:49
1	Sn 189.927†	64640.8	66018.3	10008 ug/L	10008 ppb	19:40:54
1	Ti 334.940†	4274202.8	4364595.8	9893.3 ug/L	9893.3 ppb	19:40:40
1	Tl 190.801†	17433.1	17828.5	9556.5 ug/L	9556.5 ppb	19:40:54
1	U 409.014†	782.7	853.8	3.1240 ug/L	3.1240 ppb	19:40:54
1	V 292.402†	822480.5	840192.3	10061 ug/L	10061 ppb	19:40:49
1	Zn 213.857†	945066.9	964749.1	13923 ug/L	13923 ppb	19:40:49
1	SiO2†	716284.9	731103.9	103130 ug/L	103130 ppb	19:41:47
2	Sc Radial	12188.9	12188.9	99.2 %		19:39:37
2	Y RADIAL	8435.8	8435.8	99.22 %		19:39:37
2	Al 396.153Radial†	487.7	489.3	-3826.1 ug/L	-3826.1 ppb	19:39:57
2	Ca 317.933Radial†	138.4	104.3	140.96 ug/L	140.96 ppb	19:39:57
2	Fe 238.204 Radial†	-34.7	-68.5	53.087 ug/L	53.087 ppb	19:39:57
2	K 766.490 Radial†	1555374.4	1566683.1	296360 ug/L	296360 ppb	19:39:32
2	Mg 279.077 IEC†	-8.9	-8.9	-207.74 ug/L	-207.74 ppb	19:39:57
2	Na 589.592 Radial†	2060.6	925.1	80.579 ug/L	80.579 ppb	19:39:37
2	Sr 421.552†	2082677.6	2099394.1	9794.9 ug/L	9794.9 ppb	19:39:32
2	Sc 361.383	642828.5	642828.5	98.355 %		19:41:12
2	Y 371.029	420833.7	420833.7	97.325 %		19:41:12
2	Ag 328.068†	-8297.0	-8419.1	6.3876 ug/L	6.3876 ppb	19:41:18
2	As 188.979†	18084.4	18395.9	10022 ug/L	10022 ppb	19:41:18
2	B 249.677†	144448.0	146578.5	5107.1 ug/L	5107.1 ppb	19:41:12
2	Ba 233.527†	735896.9	748208.1	14214 ug/L	14214 ppb	19:41:12
2	Be 313.107†	4263291.0	4336586.2	2860.8 ug/L	2860.8 ppb	19:41:03
2	Cd 226.502†	557819.0	567229.5	9662.8 ug/L	9662.8 ppb	19:41:12
2	Co 228.616†	286207.5	291016.5	10026 ug/L	10026 ppb	19:41:12
2	Cr 267.716†	1123719.7	1142541.7	24220 ug/L	24220 ppb	19:41:12
2	Cu 324.752†	2761500.4	2805054.2	19809 ug/L	19809 ppb	19:41:12
2	Mn 257.610†	3441090.1	3498505.5	9441.6 ug/L	9441.6 ppb	19:41:12
2	Mo 202.031†	189443.3	192565.5	9967.0 ug/L	9967.0 ppb	19:41:12
2	Ni 231.604†	253378.7	257465.6	9824.4 ug/L	9824.4 ppb	19:41:12

2	P 214.914†	14568.7	14933.2	14940 ug/L	14940 ppb	19:41:18
2	Pb 220.353†	162900.6	165556.9	24463 ug/L	24463 ppb	19:41:12
2	S 181.975 Axial†	39691.8	40309.5	51616 ug/L	51616 ppb	19:41:18
2	Sb 206.836†	21660.1	21997.5	10196 ug/L	10196 ppb	19:41:18
2	Se 196.026†	18622.4	18915.8	9967.1 ug/L	9967.1 ppb	19:41:18
2	Si 251.611†	724899.3	736585.7	48365 ug/L	48365 ppb	19:41:12
2	Sn 189.927†	64378.6	65455.5	9923.0 ug/L	9923.0 ppb	19:41:18
2	Ti 334.940†	4265246.3	4335906.0	9828.2 ug/L	9828.2 ppb	19:41:03
2	Tl 190.801†	17376.2	17690.7	9482.4 ug/L	9482.4 ppb	19:41:18
2	U 409.014†	769.5	836.7	1.9103 ug/L	1.9103 ppb	19:41:18
2	V 292.402†	827865.1	841898.4	10081 ug/L	10081 ppb	19:41:12
2	Zn 213.857†	951521.6	966981.6	13955 ug/L	13955 ppb	19:41:12
2	SiO2†	714972.9	726488.0	102480 ug/L	102480 ppb	19:41:53
3	Sc Radial	12189.7	12189.7	99.2 %		19:40:08
3	Y RADIAL	8425.3	8425.3	99.09 %		19:40:08
3	Al 396.153Radial†	476.4	477.8	-3832.3 ug/L	-3832.3 ppb	19:40:28
3	Ca 317.933Radial†	127.9	93.7	126.64 ug/L	126.64 ppb	19:40:28
3	Fe 238.204 Radial†	-34.0	-67.8	58.046 ug/L	58.046 ppb	19:40:28
3	K 766.490 Radial†	1547647.0	1558793.3	294870 ug/L	294870 ppb	19:40:03
3	Mg 279.077 IEC†	-12.5	-12.6	-292.55 ug/L	-292.55 ppb	19:40:28
3	Na 589.592 Radial†	2001.2	865.1	75.353 ug/L	75.353 ppb	19:40:08
3	Sr 421.552†	2072443.6	2088943.7	9746.1 ug/L	9746.1 ppb	19:40:03
3	Sc 361.383	634172.3	634172.3	97.031 %		19:41:36
3	Y 371.029	415265.8	415265.8	96.038 %		19:41:36
3	Ag 328.068†	-8339.5	-8578.0	4.8908 ug/L	4.8908 ppb	19:41:41
3	As 188.979†	17970.5	18529.5	10094 ug/L	10094 ppb	19:41:41
3	B 249.677†	142554.0	146631.1	5109.0 ug/L	5109.0 ppb	19:41:36
3	Ba 233.527†	725582.1	747790.3	14206 ug/L	14206 ppb	19:41:36
3	Be 313.107†	4249592.3	4381633.7	2890.5 ug/L	2890.5 ppb	19:41:26
3	Cd 226.502†	549208.4	566096.7	9643.5 ug/L	9643.5 ppb	19:41:36
3	Co 228.616†	281913.9	290563.4	10011 ug/L	10011 ppb	19:41:36
3	Cr 267.716†	1108210.0	1142152.1	24212 ug/L	24212 ppb	19:41:36
3	Cu 324.752†	2728096.0	2808951.4	19836 ug/L	19836 ppb	19:41:36
3	Mn 257.610†	3393444.5	3497156.9	9438.0 ug/L	9438.0 ppb	19:41:36
3	Mo 202.031†	186576.3	192239.9	9950.1 ug/L	9950.1 ppb	19:41:36
3	Ni 231.604†	249552.1	257038.3	9808.1 ug/L	9808.1 ppb	19:41:36
3	P 214.914†	14593.0	15160.3	15172 ug/L	15172 ppb	19:41:41
3	Pb 220.353†	160486.8	165330.0	24430 ug/L	24430 ppb	19:41:36
3	S 181.975 Axial†	39623.4	40789.9	52231 ug/L	52231 ppb	19:41:41
3	Sb 206.836†	21625.7	22262.7	10322 ug/L	10322 ppb	19:41:41
3	Se 196.026†	18544.7	19094.3	10061 ug/L	10061 ppb	19:41:41
3	Si 251.611†	715287.6	736739.9	48376 ug/L	48376 ppb	19:41:36
3	Sn 189.927†	64408.0	66379.2	10063 ug/L	10063 ppb	19:41:41
3	Ti 334.940†	4254338.9	4383857.3	9937.0 ug/L	9937.0 ppb	19:41:26
3	Tl 190.801†	17372.9	17928.5	9610.2 ug/L	9610.2 ppb	19:41:41
3	U 409.014†	687.8	763.2	-2.9090 ug/L	-2.9090 ppb	19:41:41
3	V 292.402†	816545.5	841721.5	10079 ug/L	10079 ppb	19:41:36
3	Zn 213.857†	939144.1	967430.4	13962 ug/L	13962 ppb	19:41:36
3	SiO2†	721931.3	743581.6	104890 ug/L	104890 ppb	19:41:59

Mean Data: LR2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	638981.8	97.767 %	0.6744			0.69%
Sc Radial	12273.0	99.9 %	1.18			1.18%
Y 371.029	418255.0	96.729 %	0.6491			0.67%
Y RADIAL	8476.6	99.70 %	0.939			0.94%
Ag 328.068†	-8522.6	5.3613 ug/L	0.88979	5.3613 ppb	0.88979	16.60%
Al 396.153Radial†	488.7	-3819.9 ug/L	16.31	-3819.9 ppb	16.31	0.43%
As 188.979†	18494.2	10075 ug/L	46.8	10075 ppb	46.8	0.47%
QC value within limits for As 188.979 Recovery = 100.75%						
B 249.677†	146445.9	5102.5 ug/L	9.63	5102.5 ppb	9.63	0.19%
QC value within limits for B 249.677 Recovery = 102.05%						
Ba 233.527†	747481.0	14200 ug/L	17.5	14200 ppb	17.5	0.12%
QC value within limits for Ba 233.527 Recovery = 94.67%						
Be 313.107†	4360898.5	2876.9 ug/L	15.00	2876.9 ppb	15.00	0.52%
QC value within limits for Be 313.107 Recovery = 95.90%						
Ca 317.933Radial†	99.1	133.99 ug/L	7.169	133.99 ppb	7.169	5.35%
Cd 226.502†	566044.6	9642.6 ug/L	20.64	9642.6 ppb	20.64	0.21%
QC value within limits for Cd 226.502 Recovery = 96.43%						

Co 228.616†	290550.3	10010 ug/L	16.3	10010 ppb	16.3	0.16%
QC value within limits for Co 228.616 Recovery = 100.10%						
Cr 267.716†	1141470.8	24197 ug/L	32.4	24197 ppb	32.4	0.13%
QC value within limits for Cr 267.716 Recovery = 96.79%						
Cu 324.752†	2805763.6	19814 ug/L	20.5	19814 ppb	20.5	0.10%
QC value within limits for Cu 324.752 Recovery = 99.07%						
Fe 238.204 Radial†	-67.1	63.660 ug/L	14.2363	63.660 ppb	14.2363	22.36%
K 766.490 Radial†	1559222.5	294950 ug/L	1372.5	294950 ppb	1372.5	0.47%
QC value within limits for K 766.490 Radial Recovery = 98.32%						
Mg 279.077 IEC†	-10.7	-248.63 ug/L	42.486	-248.63 ppb	42.486	17.09%
Mn 257.610†	3496058.8	9435.0 ug/L	8.48	9435.0 ppb	8.48	0.09%
QC value within limits for Mn 257.610 Recovery = 94.35%						
Mo 202.031†	192261.3	9951.2 ug/L	15.22	9951.2 ppb	15.22	0.15%
QC value within limits for Mo 202.031 Recovery = 99.51%						
Na 589.592 Radial†	931.6	81.152 ug/L	6.1055	81.152 ppb	6.1055	7.52%
Ni 231.604†	257089.4	9810.1 ug/L	13.48	9810.1 ppb	13.48	0.14%
QC value within limits for Ni 231.604 Recovery = 98.10%						
P 214.914†	15057.6	15067 ug/L	117.2	15067 ppb	117.2	0.78%
QC value within limits for P 214.914 Recovery = 100.45%						
Pb 220.353†	165242.4	24417 ug/L	54.1	24417 ppb	54.1	0.22%
QC value within limits for Pb 220.353 Recovery = 97.67%						
S 181.975 Axial†	40594.6	51981 ug/L	323.3	51981 ppb	323.3	0.62%
QC value within limits for S 181.975 Axial Recovery = 103.96%						
Sb 206.836†	22148.6	10268 ug/L	65.0	10268 ppb	65.0	0.63%
QC value within limits for Sb 206.836 Recovery = 102.68%						
Se 196.026†	19007.9	10016 ug/L	47.1	10016 ppb	47.1	0.47%
QC value within limits for Se 196.026 Recovery = 100.16%						
Si 251.611†	736028.0	48329 ug/L	72.4	48329 ppb	72.4	0.15%
QC value within limits for Si 251.611 Recovery = 96.66%						
Sn 189.927†	65951.0	9998.1 ug/L	70.57	9998.1 ppb	70.57	0.71%
QC value within limits for Sn 189.927 Recovery = 99.98%						
Sr 421.552†	2089127.0	9747.0 ug/L	47.48	9747.0 ppb	47.48	0.49%
QC value within limits for Sr 421.552 Recovery = 97.47%						
Ti 334.940†	4361453.0	9886.2 ug/L	54.74	9886.2 ppb	54.74	0.55%
QC value within limits for Ti 334.940 Recovery = 98.86%						
Tl 190.801†	17815.9	9549.7 ug/L	64.16	9549.7 ppb	64.16	0.67%
QC value within limits for Tl 190.801 Recovery = 95.50%						
U 409.014†	817.9	0.7085 ug/L	3.19102	0.7085 ppb	3.19102	450.42%
V 292.402†	841270.7	10074 ug/L	11.3	10074 ppb	11.3	0.11%
QC value within limits for V 292.402 Recovery = 100.74%						
Zn 213.857†	966387.0	13947 ug/L	20.8	13947 ppb	20.8	0.15%
QC value within limits for Zn 213.857 Recovery = 92.98%						
SiO2†	733724.5	103500 ug/L	1247.4	103500 ppb	1247.4	1.21%
QC value within limits for SiO2 Recovery = 96.73%						

All analyte(s) passed QC.

Sequence No.: 13
 Sample ID: CCV
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 7
 Date Collected: 1/22/2008 19:44:09
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12466.4	12466.4	101 %		19:46:03
1	Y RADIAL	8607.2	8607.2	101.2 %		19:46:03
1	Al 396.153Radial†	4401.4	4335.7	4909.5 ug/L	4909.5 ppb	19:46:03
1	Ca 317.933Radial†	3956.8	3864.7	5224.0 ug/L	5224.0 ppb	19:46:03
1	Fe 238.204 Radial†	686.4	643.0	5271.9 ug/L	5271.9 ppb	19:46:23
1	K 766.490 Radial†	28696.3	27076.8	5120.0 ug/L	5120.0 ppb	19:46:03
1	Mg 279.077 IEC†	228.1	224.9	5243.3 ug/L	5243.3 ppb	19:46:23
1	Na 589.592 Radial†	119379.2	116509.3	10149 ug/L	10149 ppb	19:46:03
1	Sr 421.552†	111637.3	109989.3	513.00 ug/L	513.00 ppb	19:46:03
1	Sc 361.383	661538.2	661538.2	101.22 %		19:47:22
1	Y 371.029	432763.7	432763.7	100.08 %		19:47:22
1	Ag 328.068†	55198.1	54550.8	513.06 ug/L	513.06 ppb	19:47:28
1	As 188.979†	956.4	954.0	519.22 ug/L	519.22 ppb	19:47:48
1	B 249.677†	15690.5	15216.5	530.18 ug/L	530.18 ppb	19:47:28
1	Ba 233.527†	27368.7	27043.5	514.08 ug/L	514.08 ppb	19:47:28
1	Be 313.107†	780778.9	773381.6	510.19 ug/L	510.19 ppb	19:47:22
1	Cd 226.502†	30294.3	30011.4	510.95 ug/L	510.95 ppb	19:47:28
1	Co 228.616†	15127.3	14967.7	515.57 ug/L	515.57 ppb	19:47:48
1	Cr 267.716†	24387.8	24123.4	511.70 ug/L	511.70 ppb	19:47:28
1	Cu 324.752†	75331.9	71796.4	507.22 ug/L	507.22 ppb	19:47:28
1	Mn 257.610†	191210.5	188777.1	510.14 ug/L	510.14 ppb	19:47:28
1	Mo 202.031†	10119.0	9951.2	515.31 ug/L	515.31 ppb	19:47:48
1	Ni 231.604†	13804.6	13488.0	514.69 ug/L	514.69 ppb	19:47:48
1	P 214.914†	2418.0	2509.7	2546.5 ug/L	2546.5 ppb	19:47:48
1	Pb 220.353†	3566.3	3455.3	510.99 ug/L	510.99 ppb	19:47:48
1	S 181.975 Axial†	857.7	801.4	1025.0 ug/L	1025.0 ppb	19:47:48
1	Sb 206.836†	1140.5	1101.9	524.11 ug/L	524.11 ppb	19:47:48
1	Se 196.026†	994.6	964.7	519.26 ug/L	519.26 ppb	19:47:48
1	Si 251.611†	40531.9	39607.5	2601.1 ug/L	2601.1 ppb	19:47:28
1	Sn 189.927†	3420.0	3379.1	512.44 ug/L	512.44 ppb	19:47:48
1	Ti 334.940†	225820.0	222431.3	504.76 ug/L	504.76 ppb	19:47:28
1	Tl 190.801†	945.5	958.0	513.40 ug/L	513.40 ppb	19:47:48
1	U 409.014†	7438.0	7402.9	483.69 ug/L	483.69 ppb	19:47:28
1	V 292.402†	43205.5	42874.0	513.73 ug/L	513.73 ppb	19:47:28
1	Zn 213.857†	36157.1	35269.0	507.50 ug/L	507.50 ppb	19:47:28
1	SiO2†	40639.3	39708.4	5601.5 ug/L	5601.5 ppb	19:48:57
2	Sc Radial	12481.0	12481.0	102 %		19:46:28
2	Y RADIAL	8625.1	8625.1	101.4 %		19:46:28
2	Al 396.153Radial†	4431.2	4360.0	4939.7 ug/L	4939.7 ppb	19:46:28
2	Ca 317.933Radial†	3965.2	3868.4	5229.0 ug/L	5229.0 ppb	19:46:28
2	Fe 238.204 Radial†	684.5	640.4	5250.3 ug/L	5250.3 ppb	19:46:48
2	K 766.490 Radial†	28756.0	27102.6	5124.9 ug/L	5124.9 ppb	19:46:28
2	Mg 279.077 IEC†	226.5	223.0	5198.6 ug/L	5198.6 ppb	19:46:48
2	Na 589.592 Radial†	119713.0	116700.7	10165 ug/L	10165 ppb	19:46:28
2	Sr 421.552†	111766.2	109987.8	512.99 ug/L	512.99 ppb	19:46:28
2	Sc 361.383	665787.6	665787.6	101.87 %		19:47:54
2	Y 371.029	435830.3	435830.3	100.79 %		19:47:54
2	Ag 328.068†	55145.4	54150.9	509.31 ug/L	509.31 ppb	19:48:00
2	As 188.979†	953.9	945.5	514.62 ug/L	514.62 ppb	19:48:20
2	B 249.677†	15664.6	15092.1	525.84 ug/L	525.84 ppb	19:48:00
2	Ba 233.527†	27321.6	26824.8	509.93 ug/L	509.93 ppb	19:48:00
2	Be 313.107†	786614.6	774186.9	510.73 ug/L	510.73 ppb	19:47:54
2	Cd 226.502†	30286.6	29812.9	507.57 ug/L	507.57 ppb	19:48:00
2	Co 228.616†	15128.8	14873.8	512.33 ug/L	512.33 ppb	19:48:20
2	Cr 267.716†	24402.1	23983.6	508.74 ug/L	508.74 ppb	19:48:00
2	Cu 324.752†	75277.8	72168.2	503.49 ug/L	503.49 ppb	19:48:00
2	Mn 257.610†	191091.1	187454.2	506.57 ug/L	506.57 ppb	19:48:00
2	Mo 202.031†	10119.7	9888.1	512.04 ug/L	512.04 ppb	19:48:20
2	Ni 231.604†	13776.0	13372.8	510.29 ug/L	510.29 ppb	19:48:20

2	P 214.914†	2414.0	2490.6	2527.1 ug/L	2527.1 ppb	19:48:20
2	Pb 220.353†	3570.3	3436.8	508.26 ug/L	508.26 ppb	19:48:20
2	S 181.975 Axial†	856.1	794.4	1016.0 ug/L	1016.0 ppb	19:48:20
2	Sb 206.836†	1130.5	1084.9	516.00 ug/L	516.00 ppb	19:48:20
2	Se 196.026†	991.4	955.2	514.26 ug/L	514.26 ppb	19:48:20
2	Si 251.611†	40497.5	39318.2	2582.1 ug/L	2582.1 ppb	19:48:00
2	Sn 189.927†	3424.1	3361.6	509.78 ug/L	509.78 ppb	19:48:20
2	Ti 334.940†	225681.9	220871.8	501.22 ug/L	501.22 ppb	19:48:00
2	Tl 190.801†	941.1	947.8	507.93 ug/L	507.93 ppb	19:48:20
2	U 409.014†	7496.6	7413.5	484.41 ug/L	484.41 ppb	19:48:00
2	V 292.402†	43281.9	42676.5	511.36 ug/L	511.36 ppb	19:48:00
2	Zn 213.857†	36125.9	35010.4	503.78 ug/L	503.78 ppb	19:48:00
2	SiO2†	40546.0	39360.5	5552.4 ug/L	5552.4 ppb	19:49:03
3	Sc Radial	12428.0	12428.0	101 %		19:46:54
3	Y RADIAL	8630.7	8630.7	101.5 %		19:46:54
3	Al 396.153Radial†	4413.8	4361.4	4942.0 ug/L	4942.0 ppb	19:46:54
3	Ca 317.933Radial†	3949.8	3869.8	5230.9 ug/L	5230.9 ppb	19:46:54
3	Fe 238.204 Radial†	682.9	641.6	5260.7 ug/L	5260.7 ppb	19:47:14
3	K 766.490 Radial†	28712.8	27180.5	5139.6 ug/L	5139.6 ppb	19:46:54
3	Mg 279.077 IEC†	226.9	224.4	5230.0 ug/L	5230.0 ppb	19:47:14
3	Na 589.592 Radial†	119413.2	116906.4	10183 ug/L	10183 ppb	19:46:54
3	Sr 421.552†	111539.1	110232.1	514.13 ug/L	514.13 ppb	19:46:54
3	Sc 361.383	664662.5	664662.5	101.70 %		19:48:26
3	Y 371.029	435032.0	435032.0	100.61 %		19:48:26
3	Ag 328.068†	55239.3	54334.9	511.03 ug/L	511.03 ppb	19:48:31
3	As 188.979†	941.3	934.7	508.75 ug/L	508.75 ppb	19:48:52
3	B 249.677†	15593.5	15048.3	524.32 ug/L	524.32 ppb	19:48:31
3	Ba 233.527†	27342.6	26890.8	511.18 ug/L	511.18 ppb	19:48:31
3	Be 313.107†	783372.5	772306.0	509.49 ug/L	509.49 ppb	19:48:26
3	Cd 226.502†	30244.0	29821.2	507.71 ug/L	507.71 ppb	19:48:31
3	Co 228.616†	15096.1	14866.7	512.09 ug/L	512.09 ppb	19:48:52
3	Cr 267.716†	24437.4	24058.9	510.34 ug/L	510.34 ppb	19:48:31
3	Cu 324.752†	75462.3	71574.8	505.66 ug/L	505.66 ppb	19:48:31
3	Mn 257.610†	191250.0	187927.9	507.85 ug/L	507.85 ppb	19:48:31
3	Mo 202.031†	10073.8	9859.8	510.57 ug/L	510.57 ppb	19:48:52
3	Ni 231.604†	13750.6	13370.7	510.21 ug/L	510.21 ppb	19:48:52
3	P 214.914†	2397.3	2478.1	2514.3 ug/L	2514.3 ppb	19:48:52
3	Pb 220.353†	3571.5	3443.9	509.29 ug/L	509.29 ppb	19:48:52
3	S 181.975 Axial†	853.7	793.4	1014.7 ug/L	1014.7 ppb	19:48:52
3	Sb 206.836†	1133.6	1089.8	518.29 ug/L	518.29 ppb	19:48:52
3	Se 196.026†	995.8	961.2	517.41 ug/L	517.41 ppb	19:48:52
3	Si 251.611†	40499.0	39386.9	2586.6 ug/L	2586.6 ppb	19:48:31
3	Sn 189.927†	3415.2	3358.5	509.31 ug/L	509.31 ppb	19:48:52
3	Ti 334.940†	225666.1	221231.2	502.04 ug/L	502.04 ppb	19:48:31
3	Tl 190.801†	938.7	947.0	507.50 ug/L	507.50 ppb	19:48:52
3	U 409.014†	7503.5	7432.8	485.67 ug/L	485.67 ppb	19:48:31
3	V 292.402†	43246.9	42714.0	511.79 ug/L	511.79 ppb	19:48:31
3	Zn 213.857†	36171.2	35115.0	505.29 ug/L	505.29 ppb	19:48:31
3	SiO2†	40780.4	39658.4	5594.4 ug/L	5594.4 ppb	19:49:08

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	663996.1	101.59	%	0.337				0.33%
Sc Radial	12458.4	101	%	0.2				0.22%
Y 371.029	434542.0	100.50	%	0.368				0.37%
Y RADIAL	8621.0	101.4	%	0.14				0.14%
Ag 328.068†	54345.5	511.13	ug/L	1.875	511.13	ppb	1.875	0.37%
QC value within limits for Ag 328.068 Recovery = 102.23%								
Al 396.153Radial†	4352.4	4930.4	ug/L	18.14	4930.4	ppb	18.14	0.37%
QC value within limits for Al 396.153Radial Recovery = 98.61%								
As 188.979†	944.7	514.20	ug/L	5.246	514.20	ppb	5.246	1.02%
QC value within limits for As 188.979 Recovery = 102.84%								
B 249.677†	15119.0	526.78	ug/L	3.041	526.78	ppb	3.041	0.58%
QC value within limits for B 249.677 Recovery = 105.36%								
Ba 233.527†	26919.7	511.73	ug/L	2.131	511.73	ppb	2.131	0.42%
QC value within limits for Ba 233.527 Recovery = 102.35%								
Be 313.107†	773291.5	510.14	ug/L	0.623	510.14	ppb	0.623	0.12%
QC value within limits for Be 313.107 Recovery = 102.03%								
Ca 317.933Radial†	3867.6	5228.0	ug/L	3.60	5228.0	ppb	3.60	0.07%

QC value within limits for Ca 317.933 Radial Recovery = 104.56%							
Cd 226.502†	29881.8	508.74 ug/L	1.912	508.74 ppb	1.912	0.38%	
QC value within limits for Cd 226.502 Recovery = 101.75%							
Co 228.616†	14902.8	513.33 ug/L	1.943	513.33 ppb	1.943	0.38%	
QC value within limits for Co 228.616 Recovery = 102.67%							
Cr 267.716†	24055.3	510.26 ug/L	1.483	510.26 ppb	1.483	0.29%	
QC value within limits for Cr 267.716 Recovery = 102.05%							
Cu 324.752†	71546.5	505.46 ug/L	1.873	505.46 ppb	1.873	0.37%	
QC value within limits for Cu 324.752 Recovery = 101.09%							
Fe 238.204 Radial†	641.7	5261.0 ug/L	10.80	5261.0 ppb	10.80	0.21%	
QC value within limits for Fe 238.204 Radial Recovery = 105.22%							
K 766.490 Radial†	27120.0	5128.2 ug/L	10.21	5128.2 ppb	10.21	0.20%	
QC value within limits for K 766.490 Radial Recovery = 102.56%							
Mg 279.077 IEC†	224.1	5224.0 ug/L	22.96	5224.0 ppb	22.96	0.44%	
QC value within limits for Mg 279.077 IEC Recovery = 104.48%							
Mn 257.610†	188053.1	508.18 ug/L	1.810	508.18 ppb	1.810	0.36%	
QC value within limits for Mn 257.610 Recovery = 101.64%							
Mo 202.031†	9899.7	512.64 ug/L	2.422	512.64 ppb	2.422	0.47%	
QC value within limits for Mo 202.031 Recovery = 102.53%							
Na 589.592 Radial†	116705.5	10166 ug/L	17.3	10166 ppb	17.3	0.17%	
QC value within limits for Na 589.592 Radial Recovery = 101.66%							
Ni 231.604†	13410.5	511.73 ug/L	2.562	511.73 ppb	2.562	0.50%	
QC value within limits for Ni 231.604 Recovery = 102.35%							
P 214.914†	2492.8	2529.3 ug/L	16.23	2529.3 ppb	16.23	0.64%	
QC value within limits for P 214.914 Recovery = 101.17%							
Pb 220.353†	3445.3	509.51 ug/L	1.381	509.51 ppb	1.381	0.27%	
QC value within limits for Pb 220.353 Recovery = 101.90%							
S 181.975 Axial†	796.4	1018.6 ug/L	5.58	1018.6 ppb	5.58	0.55%	
QC value within limits for S 181.975 Axial Recovery = 101.86%							
Sb 206.836†	1092.2	519.46 ug/L	4.180	519.46 ppb	4.180	0.80%	
QC value within limits for Sb 206.836 Recovery = 103.89%							
Se 196.026†	960.4	516.98 ug/L	2.528	516.98 ppb	2.528	0.49%	
QC value within limits for Se 196.026 Recovery = 103.40%							
Si 251.611†	39437.5	2589.9 ug/L	9.93	2589.9 ppb	9.93	0.38%	
QC value within limits for Si 251.611 Recovery = 103.60%							
Sn 189.927†	3366.4	510.51 ug/L	1.687	510.51 ppb	1.687	0.33%	
QC value within limits for Sn 189.927 Recovery = 102.10%							
Sr 421.552†	110069.7	513.37 ug/L	0.656	513.37 ppb	0.656	0.13%	
QC value within limits for Sr 421.552 Recovery = 102.67%							
Ti 334.940†	221511.5	502.67 ug/L	1.852	502.67 ppb	1.852	0.37%	
QC value within limits for Ti 334.940 Recovery = 100.53%							
Tl 190.801†	950.9	509.61 ug/L	3.290	509.61 ppb	3.290	0.65%	
QC value within limits for Tl 190.801 Recovery = 101.92%							
U 409.014†	7416.4	484.59 ug/L	1.003	484.59 ppb	1.003	0.21%	
QC value within limits for U 409.014 Recovery = 96.92%							
V 292.402†	42754.8	512.29 ug/L	1.261	512.29 ppb	1.261	0.25%	
QC value within limits for V 292.402 Recovery = 102.46%							
Zn 213.857†	35131.5	505.52 ug/L	1.871	505.52 ppb	1.871	0.37%	
QC value within limits for Zn 213.857 Recovery = 101.10%							
SiO2†	39575.7	5582.8 ug/L	26.53	5582.8 ppb	26.53	0.48%	
QC value within limits for SiO2 Recovery = 104.40%							

All analyte(s) passed QC.

Sequence No.: 14

Sample ID: CCB

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 8

Date Collected: 1/22/2008 19:51:18

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12485.8	12485.8	102 %		19:53:12
1	Y RADIAL	8662.0	8662.0	101.9 %		19:53:12
1	Al 396.153Radial†	12.2	9.7	9.9980 ug/L	9.9980 ppb	19:53:32
1	Ca 317.933Radial†	47.6	11.7	15.788 ug/L	15.788 ppb	19:53:32
1	Fe 238.204 Radial†	33.3	-0.7	-5.9786 ug/L	-5.9786 ppb	19:53:32
1	K 766.490 Radial†	1180.3	-44.9	-8.5069 ug/L	-8.5069 ppb	19:53:12
1	Mg 279.077 IEC†	3.6	3.6	84.568 ug/L	84.568 ppb	19:53:32
1	Na 589.592 Radial†	344.6	-813.0	-70.815 ug/L	-70.815 ppb	19:53:12
1	Sr 421.552†	132.4	88.7	0.4132 ug/L	0.4132 ppb	19:53:12
1	Sc 361.383	664403.2	664403.2	101.66 %		19:54:31
1	Y 371.029	440222.7	440222.7	101.81 %		19:54:31
1	Ag 328.068†	-14.3	2.6	0.0247 ug/L	0.0247 ppb	19:54:36
1	As 188.979†	-8.9	0.3	0.1697 ug/L	0.1697 ppb	19:54:56
1	B 249.677†	618.0	322.8	11.246 ug/L	11.246 ppb	19:54:56
1	Ba 233.527†	15.5	19.4	0.3674 ug/L	0.3674 ppb	19:54:56
1	Be 313.107†	-1780.7	244.7	0.1615 ug/L	0.1615 ppb	19:54:36
1	Cd 226.502†	-63.4	19.3	0.3292 ug/L	0.3292 ppb	19:54:56
1	Co 228.616†	-16.1	6.6	0.2335 ug/L	0.2335 ppb	19:54:56
1	Cr 267.716†	3.3	32.2	0.6822 ug/L	0.6822 ppb	19:54:56
1	Cu 324.752†	2647.2	-25.1	-0.1776 ug/L	-0.1776 ppb	19:54:36
1	Mn 257.610†	249.0	112.0	0.3014 ug/L	0.3014 ppb	19:54:56
1	Mo 202.031†	113.1	65.3	3.3797 ug/L	3.3797 ppb	19:54:56
1	Ni 231.604†	160.8	7.6	0.2893 ug/L	0.2893 ppb	19:54:56
1	P 214.914†	-129.5	-6.6	-6.6971 ug/L	-6.6971 ppb	19:54:56
1	Pb 220.353†	66.4	-2.7	-0.3896 ug/L	-0.3896 ppb	19:54:56
1	S 181.975 Axial†	38.9	-7.8	-10.003 ug/L	-10.003 ppb	19:54:56
1	Sb 206.836†	55.6	29.8	14.240 ug/L	14.240 ppb	19:54:56
1	Se 196.026†	15.8	-2.5	-1.3285 ug/L	-1.3285 ppb	19:54:56
1	Si 251.611†	515.3	70.2	4.5606 ug/L	4.5606 ppb	19:54:56
1	Sn 189.927†	2.5	2.7	0.4108 ug/L	0.4108 ppb	19:54:56
1	Ti 334.940†	1034.5	345.9	0.7854 ug/L	0.7854 ppb	19:54:36
1	Tl 190.801†	-24.3	-0.0	-0.0036 ug/L	-0.0036 ppb	19:54:56
1	U 409.014†	-31.3	23.6	1.5472 ug/L	1.5472 ppb	19:54:36
1	V 292.402†	-181.1	10.1	0.1506 ug/L	0.1506 ppb	19:54:36
1	Zn 213.857†	475.8	15.0	0.2141 ug/L	0.2141 ppb	19:54:56
1	SiO2†	507.0	56.7	7.9962 ug/L	7.9962 ppb	19:56:18
2	Sc Radial	12601.0	12601.0	103 %		19:53:37
2	Y RADIAL	8764.4	8764.4	103.1 %		19:53:37
2	Al 396.153Radial†	8.0	5.5	5.1363 ug/L	5.1363 ppb	19:53:57
2	Ca 317.933Radial†	44.8	8.5	11.513 ug/L	11.513 ppb	19:53:57
2	Fe 238.204 Radial†	30.8	-3.5	-28.174 ug/L	-28.174 ppb	19:53:57
2	K 766.490 Radial†	1162.6	-72.9	-13.788 ug/L	-13.788 ppb	19:53:37
2	Mg 279.077 IEC†	1.2	1.3	29.477 ug/L	29.477 ppb	19:53:57
2	Na 589.592 Radial†	328.6	-831.6	-72.439 ug/L	-72.439 ppb	19:53:37
2	Sr 421.552†	133.0	88.1	0.4108 ug/L	0.4108 ppb	19:53:37
2	Sc 361.383	665764.7	665764.7	101.86 %		19:55:01
2	Y 371.029	441821.7	441821.7	102.18 %		19:55:01
2	Ag 328.068†	-18.9	-1.8	-0.0204 ug/L	-0.0204 ppb	19:55:07
2	As 188.979†	-7.8	1.4	0.7475 ug/L	0.7475 ppb	19:55:27
2	B 249.677†	589.6	293.6	10.228 ug/L	10.228 ppb	19:55:27
2	Ba 233.527†	18.2	22.0	0.4180 ug/L	0.4180 ppb	19:55:27
2	Be 313.107†	-1844.1	186.0	0.1227 ug/L	0.1227 ppb	19:55:07
2	Cd 226.502†	-62.5	20.2	0.3485 ug/L	0.3485 ppb	19:55:27
2	Co 228.616†	-18.0	4.7	0.1697 ug/L	0.1697 ppb	19:55:27
2	Cr 267.716†	-3.2	25.9	0.5478 ug/L	0.5478 ppb	19:55:27
2	Cu 324.752†	2674.4	-3.8	-0.0277 ug/L	-0.0277 ppb	19:55:07
2	Mn 257.610†	247.3	109.9	0.2929 ug/L	0.2929 ppb	19:55:27
2	Mo 202.031†	108.1	60.1	3.1118 ug/L	3.1118 ppb	19:55:27
2	Ni 231.604†	164.7	11.1	0.4239 ug/L	0.4239 ppb	19:55:27

2	P 214.914†	-120.3	2.7	2.8017 ug/L	2.8017 ppb	19:55:27
2	Pb 220.353†	65.7	-3.6	-0.5161 ug/L	-0.5161 ppb	19:55:27
2	S 181.975 Axial†	40.1	-6.7	-8.5280 ug/L	-8.5280 ppb	19:55:27
2	Sb 206.836†	39.7	14.2	6.7818 ug/L	6.7818 ppb	19:55:27
2	Se 196.026†	16.2	-2.1	-1.1682 ug/L	-1.1682 ppb	19:55:27
2	Si 251.611†	507.8	61.8	4.0134 ug/L	4.0134 ppb	19:55:27
2	Sn 189.927†	2.5	2.7	0.4129 ug/L	0.4129 ppb	19:55:27
2	Ti 334.940†	1008.3	318.0	0.7202 ug/L	0.7202 ppb	19:55:07
2	Tl 190.801†	-35.0	-10.4	-5.6089 ug/L	-5.6089 ppb	19:55:27
2	U 409.014†	14.5	68.6	4.5134 ug/L	4.5134 ppb	19:55:07
2	V 292.402†	-187.8	3.9	0.0815 ug/L	0.0815 ppb	19:55:07
2	Zn 213.857†	476.2	14.4	0.2104 ug/L	0.2104 ppb	19:55:27
2	SiO2†	518.3	66.8	9.4268 ug/L	9.4268 ppb	19:56:38
3	Sc Radial	12567.1	12567.1	102 %		19:54:03
3	Y RADIAL	8752.4	8752.4	102.9 %		19:54:03
3	Al 396.153Radial†	12.0	9.4	10.028 ug/L	10.028 ppb	19:54:23
3	Ca 317.933Radial†	39.3	3.2	4.3098 ug/L	4.3098 ppb	19:54:23
3	Fe 238.204 Radial†	33.2	-1.1	-8.5651 ug/L	-8.5651 ppb	19:54:23
3	K 766.490 Radial†	1067.7	-162.6	-30.766 ug/L	-30.766 ppb	19:54:03
3	Mg 279.077 IEC†	0.2	0.3	7.0939 ug/L	7.0939 ppb	19:54:23
3	Na 589.592 Radial†	431.6	-730.1	-63.599 ug/L	-63.599 ppb	19:54:03
3	Sr 421.552†	111.1	67.0	0.3126 ug/L	0.3126 ppb	19:54:03
3	Sc 361.383	661334.2	661334.2	101.19 %		19:55:32
3	Y 371.029	438811.7	438811.7	101.48 %		19:55:32
3	Ag 328.068†	-20.4	-3.4	-0.0327 ug/L	-0.0327 ppb	19:55:37
3	As 188.979†	-12.6	-3.4	-1.8298 ug/L	-1.8298 ppb	19:55:58
3	B 249.677†	594.3	302.1	10.527 ug/L	10.527 ppb	19:55:58
3	Ba 233.527†	7.6	11.6	0.2200 ug/L	0.2200 ppb	19:55:58
3	Be 313.107†	-1834.7	183.2	0.1209 ug/L	0.1209 ppb	19:55:37
3	Cd 226.502†	-59.1	23.1	0.3951 ug/L	0.3951 ppb	19:55:58
3	Co 228.616†	-19.6	3.0	0.1094 ug/L	0.1094 ppb	19:55:58
3	Cr 267.716†	-18.0	11.2	0.2381 ug/L	0.2381 ppb	19:55:58
3	Cu 324.752†	2658.8	-1.6	-0.0115 ug/L	-0.0115 ppb	19:55:37
3	Mn 257.610†	227.3	91.7	0.2463 ug/L	0.2463 ppb	19:55:58
3	Mo 202.031†	96.7	49.5	2.5631 ug/L	2.5631 ppb	19:55:58
3	Ni 231.604†	151.3	-1.0	-0.0387 ug/L	-0.0387 ppb	19:55:58
3	P 214.914†	-124.8	-2.5	-2.5582 ug/L	-2.5582 ppb	19:55:58
3	Pb 220.353†	66.6	-2.3	-0.3244 ug/L	-0.3244 ppb	19:55:58
3	S 181.975 Axial†	34.4	-12.1	-15.435 ug/L	-15.435 ppb	19:55:58
3	Sb 206.836†	38.0	12.7	6.1031 ug/L	6.1031 ppb	19:55:58
3	Se 196.026†	15.6	-2.6	-1.3641 ug/L	-1.3641 ppb	19:55:58
3	Si 251.611†	508.3	65.6	4.2733 ug/L	4.2733 ppb	19:55:58
3	Sn 189.927†	3.7	3.9	0.5934 ug/L	0.5934 ppb	19:55:58
3	Ti 334.940†	965.3	282.1	0.6399 ug/L	0.6399 ppb	19:55:37
3	Tl 190.801†	-21.8	2.3	1.2503 ug/L	1.2503 ppb	19:55:58
3	U 409.014†	-38.3	16.5	1.0846 ug/L	1.0846 ppb	19:55:37
3	V 292.402†	-185.8	4.6	0.0789 ug/L	0.0789 ppb	19:55:37
3	Zn 213.857†	474.6	16.0	0.2334 ug/L	0.2334 ppb	19:55:58
3	SiO2†	508.8	60.8	8.5801 ug/L	8.5801 ppb	19:56:59

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	663834.0	101.57 %	0.347			0.34%
Sc Radial	12551.3	102 %	0.5			0.47%
Y 371.029	440285.4	101.82 %	0.348			0.34%
Y RADIAL	8726.3	102.6 %	0.66			0.64%
Ag 328.068†	-0.9	-0.0095 ug/L	0.03026	-0.0095 ppb	0.03026	319.43%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 396.153Radial†	8.2	8.3875 ug/L	2.81565	8.3875 ppb	2.81565	33.57%
QC value within limits for Al 396.153Radial Recovery = Not calculated						
As 188.979†	-0.6	-0.3042 ug/L	1.35242	-0.3042 ppb	1.35242	444.55%
QC value within limits for As 188.979 Recovery = Not calculated						
B 249.677†	306.2	10.667 ug/L	0.5229	10.667 ppb	0.5229	4.90%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	17.7	0.3351 ug/L	0.10289	0.3351 ppb	0.10289	30.70%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	204.7	0.1350 ug/L	0.02291	0.1350 ppb	0.02291	16.97%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933Radial†	7.8	10.537 ug/L	5.8009	10.537 ppb	5.8009	55.05%

QC value within limits for Ca 317.933 Radial Recovery = Not calculated							
Cd	226.502†	20.9	0.3576 ug/L	0.03387	0.3576 ppb	0.03387	9.47%
QC value within limits for Cd 226.502 Recovery = Not calculated							
Co	228.616†	4.8	0.1709 ug/L	0.06208	0.1709 ppb	0.06208	36.33%
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr	267.716†	23.1	0.4893 ug/L	0.22776	0.4893 ppb	0.22776	46.54%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu	324.752†	-10.2	-0.0723 ug/L	0.09161	-0.0723 ppb	0.09161	126.74%
QC value within limits for Cu 324.752 Recovery = Not calculated							
Fe	238.204 Radial†	-1.7	-14.239 ug/L	12.1370	-14.239 ppb	12.1370	85.24%
QC value within limits for Fe 238.204 Radial Recovery = Not calculated							
K	766.490 Radial†	-93.5	-17.687 ug/L	11.6306	-17.687 ppb	11.6306	65.76%
QC value within limits for K 766.490 Radial Recovery = Not calculated							
Mg	279.077 IEC†	1.7	40.380 ug/L	39.8714	40.380 ppb	39.8714	98.74%
QC value within limits for Mg 279.077 IEC Recovery = Not calculated							
Mn	257.610†	104.5	0.2802 ug/L	0.02968	0.2802 ppb	0.02968	10.59%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo	202.031†	58.3	3.0182 ug/L	0.41629	3.0182 ppb	0.41629	13.79%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na	589.592 Radial†	-791.6	-68.951 ug/L	4.7056	-68.951 ppb	4.7056	6.82%
QC value within limits for Na 589.592 Radial Recovery = Not calculated							
Ni	231.604†	5.9	0.2248 ug/L	0.23792	0.2248 ppb	0.23792	105.83%
QC value within limits for Ni 231.604 Recovery = Not calculated							
P	214.914†	-2.1	-2.1512 ug/L	4.76247	-2.1512 ppb	4.76247	221.38%
QC value within limits for P 214.914 Recovery = Not calculated							
Pb	220.353†	-2.8	-0.4100 ug/L	0.09745	-0.4100 ppb	0.09745	23.77%
QC value within limits for Pb 220.353 Recovery = Not calculated							
S	181.975 Axial†	-8.8	-11.322 ug/L	3.6373	-11.322 ppb	3.6373	32.13%
QC value within limits for S 181.975 Axial Recovery = Not calculated							
Sb	206.836†	18.9	9.0416 ug/L	4.51472	9.0416 ppb	4.51472	49.93%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se	196.026†	-2.4	-1.2870 ug/L	0.10435	-1.2870 ppb	0.10435	8.11%
QC value within limits for Se 196.026 Recovery = Not calculated							
Si	251.611†	65.8	4.2825 ug/L	0.27371	4.2825 ppb	0.27371	6.39%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn	189.927†	3.1	0.4724 ug/L	0.10481	0.4724 ppb	0.10481	22.19%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr	421.552†	81.3	0.3789 ug/L	0.05739	0.3789 ppb	0.05739	15.15%
QC value within limits for Sr 421.552 Recovery = Not calculated							
Ti	334.940†	315.3	0.7152 ug/L	0.07288	0.7152 ppb	0.07288	10.19%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl	190.801†	-2.7	-1.4541 ug/L	3.65239	-1.4541 ppb	3.65239	251.18%
QC value within limits for Tl 190.801 Recovery = Not calculated							
U	409.014†	36.2	2.3817 ug/L	1.86053	2.3817 ppb	1.86053	78.12%
QC value within limits for U 409.014 Recovery = Not calculated							
V	292.402†	6.2	0.1037 ug/L	0.04067	0.1037 ppb	0.04067	39.23%
QC value within limits for V 292.402 Recovery = Not calculated							
Zn	213.857†	15.1	0.2193 ug/L	0.01237	0.2193 ppb	0.01237	5.64%
QC value within limits for Zn 213.857 Recovery = Not calculated							
SiO2†		61.4	8.6677 ug/L	0.71932	8.6677 ppb	0.71932	8.30%
QC value within limits for SiO2 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 15

Sample ID: LR1

Analyst: JWW

Initial Sample Wt:

Dilution:

Autosampler Location: 37

Date Collected: 1/22/2008 19:59:10

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: LR1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12634.9	12634.9	103 %		20:01:05
1	Y RADIAL	8650.1	8650.1	101.7 %		20:01:05
1	Al 396.153Radial†	-11.1	-13.1	-8.4305 ug/L	-8.4305 ppb	20:01:25
1	Ca 317.933Radial†	44.6	8.1	11.009 ug/L	11.009 ppb	20:01:25
1	Fe 238.204 Radial†	47386.9	46048.5	375310 ug/L	375310 ppb	20:01:05
1	K 766.490 Radial†	915.5	-316.2	-59.821 ug/L	-59.821 ppb	20:01:05
1	Mg 279.077 IEC†	26.5	25.9	603.03 ug/L	603.03 ppb	20:01:25
1	Na 589.592 Radial†	155.4	-1000.9	-87.187 ug/L	-87.187 ppb	20:01:05
1	Sr 421.552†	126.9	81.8	0.3813 ug/L	0.3813 ppb	20:01:05
1	Sc 361.383	655372.0	655372.0	100.27 %		20:02:23
1	Y 371.029	429123.8	429123.8	99.242 %		20:02:23
1	Ag 328.068†	-5546.5	-5514.6	-2.1406 ug/L	-2.1406 ppb	20:02:23
1	As 188.979†	-119.1	-109.7	-23.181 ug/L	-23.181 ppb	20:02:44
1	B 249.677†	929.7	641.9	22.366 ug/L	22.366 ppb	20:02:23
1	Ba 233.527†	647.0	649.4	12.398 ug/L	12.398 ppb	20:02:44
1	Be 313.107†	-2054.2	-52.1	-0.0344 ug/L	-0.0344 ppb	20:02:23
1	Cd 226.502†	1940.7	2017.0	-0.6837 ug/L	-0.6837 ppb	20:02:23
1	Co 228.616†	225.0	246.8	-0.1231 ug/L	-0.1231 ppb	20:02:44
1	Cr 267.716†	-287.3	-257.6	-5.4168 ug/L	-5.4168 ppb	20:02:44
1	Cu 324.752†	632.2	-1998.7	1.0480 ug/L	1.0480 ppb	20:02:23
1	Mn 257.610†	-15669.4	-15759.4	5.5082 ug/L	5.5082 ppb	20:02:23
1	Mo 202.031†	-266.3	-311.6	1.1361 ug/L	1.1361 ppb	20:02:44
1	Ni 231.604†	112.2	-38.7	-1.4905 ug/L	-1.4905 ppb	20:02:44
1	P 214.914†	306.5	426.4	-14.703 ug/L	-14.703 ppb	20:02:44
1	Pb 220.353†	276.3	207.5	2.1924 ug/L	2.1924 ppb	20:02:44
1	S 181.975 Axial†	28.7	-17.4	-22.310 ug/L	-22.310 ppb	20:02:44
1	Sb 206.836†	15.5	-9.4	-4.5007 ug/L	-4.5007 ppb	20:02:44
Saturated outside survey window (code 6)						
1	Se 196.026†	-1431.8	-1445.9	53.310 ug/L	53.310 ppb	20:02:44
1	Si 251.611†	-469.6	-905.1	-59.354 ug/L	-59.354 ppb	20:02:44
1	Sn 189.927†	-55.9	-55.5	-8.4165 ug/L	-8.4165 ppb	20:02:44
1	Ti 334.940†	774.3	100.4	0.2126 ug/L	0.2126 ppb	20:02:44
1	Tl 190.801†	-39.3	-15.3	-8.4010 ug/L	-8.4010 ppb	20:02:44
1	U 409.014†	484.0	537.1	35.597 ug/L	35.597 ppb	20:02:23
1	V 292.402†	2959.6	3139.8	1.2212 ug/L	1.2212 ppb	20:02:23
1	Zn 213.857†	4194.5	3729.9	-2.0961 ug/L	-2.0961 ppb	20:02:44
1	SiO2†	-503.9	-944.5	-133.24 ug/L	-133.24 ppb	20:03:42
2	Sc Radial	12468.3	12468.3	101 %		20:01:30
2	Y RADIAL	8637.0	8637.0	101.6 %		20:01:30
2	Al 396.153Radial†	-6.4	-8.6	-3.0901 ug/L	-3.0901 ppb	20:01:50
2	Ca 317.933Radial†	48.0	12.1	16.374 ug/L	16.374 ppb	20:01:50
2	Fe 238.204 Radial†	46957.1	46240.7	376880 ug/L	376880 ppb	20:01:30
2	K 766.490 Radial†	846.6	-372.2	-70.417 ug/L	-70.417 ppb	20:01:30
2	Mg 279.077 IEC†	27.4	27.1	630.88 ug/L	630.88 ppb	20:01:50
2	Na 589.592 Radial†	74.7	-1078.5	-93.944 ug/L	-93.944 ppb	20:01:30
2	Sr 421.552†	150.3	106.6	0.4967 ug/L	0.4967 ppb	20:01:30
2	Sc 361.383	653065.9	653065.9	99.921 %		20:02:50
2	Y 371.029	428456.0	428456.0	99.088 %		20:02:50
2	Ag 328.068†	-5443.3	-5430.9	-1.1619 ug/L	-1.1619 ppb	20:02:50
2	As 188.979†	-110.3	-101.3	-18.456 ug/L	-18.456 ppb	20:03:10
2	B 249.677†	999.5	715.1	24.916 ug/L	24.916 ppb	20:02:50
2	Ba 233.527†	624.7	629.3	12.015 ug/L	12.015 ppb	20:03:10
2	Be 313.107†	-2073.9	-79.1	-0.0522 ug/L	-0.0522 ppb	20:02:50
2	Cd 226.502†	1897.5	1980.6	-1.4471 ug/L	-1.4471 ppb	20:02:50
2	Co 228.616†	229.1	251.7	0.0105 ug/L	0.0105 ppb	20:03:10
2	Cr 267.716†	-287.6	-258.8	-5.4437 ug/L	-5.4437 ppb	20:03:10
2	Cu 324.752†	692.7	-1936.0	1.5543 ug/L	1.5543 ppb	20:02:50
2	Mn 257.610†	-15940.8	-16086.3	4.8266 ug/L	4.8266 ppb	20:02:50
2	Mo 202.031†	-263.1	-309.3	1.3260 ug/L	1.3260 ppb	20:03:10

2	Ni 231.604†	117.2	-33.3	-1.2827 ug/L	-1.2827 ppb	20:03:10
2	P 214.914†	314.0	435.0	-7.8166 ug/L	-7.8166 ppb	20:03:10
2	Pb 220.353†	273.2	205.3	1.7542 ug/L	1.7542 ppb	20:03:10
2	S 181.975 Axial†	25.4	-20.6	-26.438 ug/L	-26.438 ppb	20:03:10
2	Sb 206.836†	20.3	-4.5	-2.1618 ug/L	-2.1618 ppb	20:03:10
Saturated outside survey window (code 6)						
2	Se 196.026†	-1425.4	-1444.5	57.429 ug/L	57.429 ppb	20:03:10
2	Si 251.611†	-481.5	-918.6	-60.249 ug/L	-60.249 ppb	20:03:10
2	Sn 189.927†	-49.1	-48.9	-7.4146 ug/L	-7.4146 ppb	20:03:10
2	Ti 334.940†	761.7	90.5	0.1878 ug/L	0.1878 ppb	20:03:10
2	Tl 190.801†	-47.0	-23.1	-12.596 ug/L	-12.596 ppb	20:03:10
2	U 409.014†	575.0	629.9	41.708 ug/L	41.708 ppb	20:02:50
2	V 292.402†	2898.2	3088.7	0.4758 ug/L	0.4758 ppb	20:02:50
2	Zn 213.857†	4203.3	3753.5	-1.9907 ug/L	-1.9907 ppb	20:03:10
2	SiO2†	-493.2	-935.6	-131.99 ug/L	-131.99 ppb	20:03:47
3	Sc Radial	12654.1	12654.1	103 %		20:01:55
3	Y RADIAL	8732.5	8732.5	102.7 %		20:01:55
3	Al 396.153Radial†	-9.3	-11.3	-6.2261 ug/L	-6.2261 ppb	20:02:15
3	Ca 317.933Radial†	44.2	7.7	10.419 ug/L	10.419 ppb	20:02:15
3	Fe 238.204 Radial†	47341.9	45934.9	374380 ug/L	374380 ppb	20:01:55
3	K 766.490 Radial†	1010.2	-225.6	-42.672 ug/L	-42.672 ppb	20:01:55
3	Mg 279.077 IEC†	27.1	26.4	614.64 ug/L	614.64 ppb	20:02:15
3	Na 589.592 Radial†	92.1	-1062.6	-92.563 ug/L	-92.563 ppb	20:01:55
3	Sr 421.552†	105.8	61.1	0.2848 ug/L	0.2848 ppb	20:01:55
3	Sc 361.383	655726.8	655726.8	100.33 %		20:03:16
3	Y 371.029	429929.3	429929.3	99.429 %		20:03:16
3	Ag 328.068†	-5645.1	-5609.9	-3.1472 ug/L	-3.1472 ppb	20:03:16
3	As 188.979†	-119.7	-110.2	-23.560 ug/L	-23.560 ppb	20:03:36
3	B 249.677†	992.1	703.7	24.517 ug/L	24.517 ppb	20:03:16
3	Ba 233.527†	638.0	640.0	12.221 ug/L	12.221 ppb	20:03:36
3	Be 313.107†	-2045.5	-42.4	-0.0280 ug/L	-0.0280 ppb	20:03:16
3	Cd 226.502†	1893.7	1969.0	-1.4138 ug/L	-1.4138 ppb	20:03:16
3	Co 228.616†	227.6	249.2	-0.0189 ug/L	-0.0189 ppb	20:03:36
3	Cr 267.716†	-288.1	-258.2	-5.4302 ug/L	-5.4302 ppb	20:03:36
3	Cu 324.752†	661.5	-1969.8	1.2145 ug/L	1.2145 ppb	20:03:16
3	Mn 257.610†	-15832.7	-15913.8	4.9731 ug/L	4.9731 ppb	20:03:16
3	Mo 202.031†	-269.3	-314.4	0.9461 ug/L	0.9461 ppb	20:03:36
3	Ni 231.604†	106.2	-44.7	-1.7208 ug/L	-1.7208 ppb	20:03:36
3	P 214.914†	325.6	445.3	5.6508 ug/L	5.6508 ppb	20:03:36
3	Pb 220.353†	282.3	213.3	3.1285 ug/L	3.1285 ppb	20:03:36
3	S 181.975 Axial†	23.2	-23.0	-29.393 ug/L	-29.393 ppb	20:03:36
3	Sb 206.836†	16.7	-8.2	-3.9227 ug/L	-3.9227 ppb	20:03:36
Saturated outside survey window (code 6)						
3	Se 196.026†	-1420.9	-1434.3	57.414 ug/L	57.414 ppb	20:03:36
3	Si 251.611†	-466.4	-901.6	-59.121 ug/L	-59.121 ppb	20:03:36
3	Sn 189.927†	-58.2	-57.7	-8.7544 ug/L	-8.7544 ppb	20:03:36
3	Ti 334.940†	744.3	70.1	0.1440 ug/L	0.1440 ppb	20:03:36
3	Tl 190.801†	-41.1	-17.0	-9.3179 ug/L	-9.3179 ppb	20:03:36
3	U 409.014†	481.4	534.2	35.410 ug/L	35.410 ppb	20:03:16
3	V 292.402†	2975.7	3154.3	1.4808 ug/L	1.4808 ppb	20:03:16
3	Zn 213.857†	4220.9	3753.9	-1.6074 ug/L	-1.6074 ppb	20:03:36
3	SiO2†	-470.0	-910.5	-128.43 ug/L	-128.43 ppb	20:03:52

Mean Data: LR1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	654721.6	100.17	%	0.221			0.22%
Sc Radial	12585.8	102	%	0.8			0.81%
Y 371.029	429169.7	99.253	%	0.1706			0.17%
Y RADIAL	8673.2	102.0	%	0.61			0.60%
Ag 328.068†	-5518.5	-2.1499	ug/L	0.99267	-2.1499 ppb	0.99267	46.17%
Al 396.153Radial†	-11.0	-5.9156	ug/L	2.68375	-5.9156 ppb	2.68375	45.37%
As 188.979†	-107.1	-21.733	ug/L	2.8435	-21.733 ppb	2.8435	13.08%
B 249.677†	686.9	23.933	ug/L	1.3717	23.933 ppb	1.3717	5.73%
Ba 233.527†	639.6	12.211	ug/L	0.1913	12.211 ppb	0.1913	1.57%
Be 313.107†	-57.9	-0.0382	ug/L	0.01253	-0.0382 ppb	0.01253	32.83%
Ca 317.933Radial†	9.3	12.601	ug/L	3.2809	12.601 ppb	3.2809	26.04%
Cd 226.502†	1988.9	-1.1815	ug/L	0.43145	-1.1815 ppb	0.43145	36.52%
Co 228.616†	249.3	-0.0438	ug/L	0.07020	-0.0438 ppb	0.07020	160.12%
Cr 267.716†	-258.2	-5.4302	ug/L	0.01346	-5.4302 ppb	0.01346	0.25%

Cu 324.752†	-1968.2	1.2723 ug/L	0.25806	1.2723 ppb	0.25806	20.28%
Fe 238.204 Radial†	46074.7	375520 ug/L	1259.5	375520 ppb	1259.5	0.34%
K 766.490 Radial†	-304.7	-57.637 ug/L	14.0009	-57.637 ppb	14.0009	24.29%
Mg 279.077 IEC†	26.4	616.18 ug/L	13.989	616.18 ppb	13.989	2.27%
Mn 257.610†	-15919.8	5.1026 ug/L	0.35882	5.1026 ppb	0.35882	7.03%
Mo 202.031†	-311.8	1.1361 ug/L	0.18999	1.1361 ppb	0.18999	16.72%
Na 589.592 Radial†	-1047.4	-91.231 ug/L	3.5701	-91.231 ppb	3.5701	3.91%
Ni 231.604†	-38.9	-1.4980 ug/L	0.21917	-1.4980 ppb	0.21917	14.63%
P 214.914†	435.6	-5.6228 ug/L	10.35256	-5.6228 ppb	10.35256	184.12%
Pb 220.353†	208.7	2.3584 ug/L	0.70205	2.3584 ppb	0.70205	29.77%
S 181.975 Axial†	-20.3	-26.047 ug/L	3.5576	-26.047 ppb	3.5576	13.66%
Sb 206.836†	-7.4	-3.5284 ug/L	1.21828	-3.5284 ppb	1.21828	34.53%
Saturated outside survey window (code 6)						
Se 196.026†	-1441.5	56.051 ug/L	2.3738	56.051 ppb	2.3738	4.24%
Si 251.611†	-908.4	-59.575 ug/L	0.5959	-59.575 ppb	0.5959	1.00%
Sn 189.927†	-54.1	-8.1952 ug/L	0.69678	-8.1952 ppb	0.69678	8.50%
Sr 421.552†	83.2	0.3876 ug/L	0.10611	0.3876 ppb	0.10611	27.38%
Ti 334.940†	87.0	0.1815 ug/L	0.03475	0.1815 ppb	0.03475	19.15%
Tl 190.801†	-18.5	-10.105 ug/L	2.2052	-10.105 ppb	2.2052	21.82%
U 409.014†	567.1	37.572 ug/L	3.5835	37.572 ppb	3.5835	9.54%
V 292.402†	3127.6	1.0593 ug/L	0.52174	1.0593 ppb	0.52174	49.25%
Zn 213.857†	3745.8	-1.8980 ug/L	0.25718	-1.8980 ppb	0.25718	13.55%
SiO2†	-930.2	-131.22 ug/L	2.491	-131.22 ppb	2.491	1.90%

Sequence No.: 16

Sample ID: CCV

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 7

Date Collected: 1/22/2008 20:06:03

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12475.3	12475.3	102 %		20:07:57
1	Y RADIAL	8628.8	8628.8	101.5 %		20:07:57
1	Al 396.153Radial†	4436.8	4367.5	4949.9 ug/L	4949.9 ppb	20:07:57
1	Ca 317.933Radial†	3983.8	3888.5	5256.1 ug/L	5256.1 ppb	20:07:57
1	Fe 238.204 Radial†	692.8	648.8	5319.0 ug/L	5319.0 ppb	20:08:17
1	K 766.490 Radial†	28722.3	27082.2	5121.0 ug/L	5121.0 ppb	20:07:57
1	Mg 279.077 IEC†	225.7	222.3	5182.5 ug/L	5182.5 ppb	20:08:17
1	Na 589.592 Radial†	119538.6	116582.1	10155 ug/L	10155 ppb	20:07:57
1	Sr 421.552†	112287.0	110550.4	515.62 ug/L	515.62 ppb	20:07:57
1	Sc 361.383	660978.7	660978.7	101.13 %		20:09:16
1	Y 371.029	433112.4	433112.4	100.16 %		20:09:16
1	Ag 328.068†	55089.9	54489.9	512.50 ug/L	512.50 ppb	20:09:22
1	As 188.979†	935.9	934.5	508.63 ug/L	508.63 ppb	20:09:42
1	B 249.677†	15228.9	14773.2	514.73 ug/L	514.73 ppb	20:09:22
1	Ba 233.527†	27277.9	26976.7	512.82 ug/L	512.82 ppb	20:09:22
1	Be 313.107†	781661.0	774906.9	511.20 ug/L	511.20 ppb	20:09:16
1	Cd 226.502†	30244.4	29987.4	510.54 ug/L	510.54 ppb	20:09:22
1	Co 228.616†	15102.9	14956.2	515.16 ug/L	515.16 ppb	20:09:42
1	Cr 267.716†	24373.4	24129.5	511.83 ug/L	511.83 ppb	20:09:22
1	Cu 324.752†	75376.5	71903.5	507.98 ug/L	507.98 ppb	20:09:22
1	Mn 257.610†	190879.6	188609.8	509.69 ug/L	509.69 ppb	20:09:22
1	Mo 202.031†	9990.0	9832.2	509.15 ug/L	509.15 ppb	20:09:42
1	Ni 231.604†	13758.6	13454.0	513.39 ug/L	513.39 ppb	20:09:22
1	P 214.914†	2418.6	2512.3	2549.1 ug/L	2549.1 ppb	20:09:42
1	Pb 220.353†	3545.6	3437.8	508.39 ug/L	508.39 ppb	20:09:42
1	S 181.975 Axial†	856.0	800.3	1023.6 ug/L	1023.6 ppb	20:09:42
1	Sb 206.836†	1089.9	1052.9	500.65 ug/L	500.65 ppb	20:09:42
1	Se 196.026†	997.5	968.3	521.31 ug/L	521.31 ppb	20:09:42
1	Si 251.611†	40346.6	39458.2	2591.4 ug/L	2591.4 ppb	20:09:22
1	Sn 189.927†	3403.2	3365.3	510.35 ug/L	510.35 ppb	20:09:42
1	Ti 334.940†	224720.5	221533.0	502.73 ug/L	502.73 ppb	20:09:22
1	Tl 190.801†	944.1	957.5	513.12 ug/L	513.12 ppb	20:09:42
1	U 409.014†	7380.9	7352.6	480.38 ug/L	480.38 ppb	20:09:22
1	V 292.402†	43209.2	42913.8	514.14 ug/L	514.14 ppb	20:09:22
1	Zn 213.857†	36085.2	35228.2	506.90 ug/L	506.90 ppb	20:09:22
1	SiO2†	40886.4	39986.7	5640.8 ug/L	5640.8 ppb	20:10:52
2	Sc Radial	12510.9	12510.9	102 %		20:08:22
2	Y RADIAL	8661.5	8661.5	101.9 %		20:08:22
2	Al 396.153Radial†	4471.4	4389.0	4974.8 ug/L	4974.8 ppb	20:08:22
2	Ca 317.933Radial†	4004.1	3897.2	5268.0 ug/L	5268.0 ppb	20:08:22
2	Fe 238.204 Radial†	687.7	641.9	5263.0 ug/L	5263.0 ppb	20:08:43
2	K 766.490 Radial†	28848.1	27125.4	5129.2 ug/L	5129.2 ppb	20:08:22
2	Mg 279.077 IEC†	224.6	220.7	5143.7 ug/L	5143.7 ppb	20:08:43
2	Na 589.592 Radial†	120213.0	116910.0	10184 ug/L	10184 ppb	20:08:22
2	Sr 421.552†	112924.8	110862.7	517.07 ug/L	517.07 ppb	20:08:22
2	Sc 361.383	660451.8	660451.8	101.05 %		20:09:48
2	Y 371.029	432237.0	432237.0	99.962 %		20:09:48
2	Ag 328.068†	55512.7	54951.7	516.83 ug/L	516.83 ppb	20:09:54
2	As 188.979†	947.6	946.8	515.32 ug/L	515.32 ppb	20:10:14
2	B 249.677†	15338.7	14893.9	518.94 ug/L	518.94 ppb	20:09:54
2	Ba 233.527†	27440.6	27159.1	516.29 ug/L	516.29 ppb	20:09:54
2	Be 313.107†	781823.6	775684.3	511.71 ug/L	511.71 ppb	20:09:48
2	Cd 226.502†	30403.8	30169.0	513.64 ug/L	513.64 ppb	20:09:54
2	Co 228.616†	15148.2	15013.0	517.11 ug/L	517.11 ppb	20:10:14
2	Cr 267.716†	24510.4	24284.3	515.12 ug/L	515.12 ppb	20:09:54
2	Cu 324.752†	76018.7	72598.5	512.89 ug/L	512.89 ppb	20:09:54
2	Mn 257.610†	192155.1	190022.6	513.50 ug/L	513.50 ppb	20:09:54
2	Mo 202.031†	10007.9	9857.8	510.47 ug/L	510.47 ppb	20:10:14
2	Ni 231.604†	13896.2	13601.1	519.01 ug/L	519.01 ppb	20:09:54

2	P 214.914†	2410.2	2505.9	2542.5 ug/L	2542.5 ppb	20:10:14
2	Pb 220.353†	3573.8	3468.6	512.93 ug/L	512.93 ppb	20:10:14
2	S 181.975 Axial†	845.3	790.5	1011.0 ug/L	1011.0 ppb	20:10:14
2	Sb 206.836†	1104.5	1068.1	507.90 ug/L	507.90 ppb	20:10:14
2	Se 196.026†	993.9	965.6	519.76 ug/L	519.76 ppb	20:10:14
2	Si 251.611†	40582.0	39723.0	2608.8 ug/L	2608.8 ppb	20:09:54
2	Sn 189.927†	3420.3	3384.9	513.32 ug/L	513.32 ppb	20:10:14
2	Ti 334.940†	226757.8	223726.3	507.70 ug/L	507.70 ppb	20:09:54
2	Tl 190.801†	939.4	953.5	510.99 ug/L	510.99 ppb	20:10:14
2	U 409.014†	7517.4	7493.5	489.63 ug/L	489.63 ppb	20:09:54
2	V 292.402†	43538.0	43273.2	518.44 ug/L	518.44 ppb	20:09:54
2	Zn 213.857†	36293.8	35463.1	510.29 ug/L	510.29 ppb	20:09:54
2	SiO2†	40520.5	39566.9	5594.2 ug/L	5594.2 ppb	20:10:57
3	Sc Radial	12304.6	12304.6	100 %		20:08:48
3	Y RADIAL	8548.8	8548.8	100.5 %		20:08:48
3	Al 396.153Radial†	4391.8	4383.2	4969.2 ug/L	4969.2 ppb	20:08:48
3	Ca 317.933Radial†	3921.7	3880.9	5245.9 ug/L	5245.9 ppb	20:08:48
3	Fe 238.204 Radial†	684.8	650.3	5331.4 ug/L	5331.4 ppb	20:09:08
3	K 766.490 Radial†	28410.6	27163.6	5136.4 ug/L	5136.4 ppb	20:08:48
3	Mg 279.077 IEC†	226.9	226.7	5284.3 ug/L	5284.3 ppb	20:09:08
3	Na 589.592 Radial†	118305.0	116984.1	10190 ug/L	10190 ppb	20:08:48
3	Sr 421.552†	110958.9	110759.0	516.59 ug/L	516.59 ppb	20:08:48
3	Sc 361.383	663255.3	663255.3	101.48 %		20:10:20
3	Y 371.029	434479.5	434479.5	100.48 %		20:10:20
3	Ag 328.068†	55181.6	54393.3	511.60 ug/L	511.60 ppb	20:10:26
3	As 188.979†	943.3	938.6	510.87 ug/L	510.87 ppb	20:10:46
3	B 249.677†	15255.0	14747.2	513.83 ug/L	513.83 ppb	20:10:26
3	Ba 233.527†	27355.0	26960.1	512.50 ug/L	512.50 ppb	20:10:26
3	Be 313.107†	784499.2	775050.6	511.30 ug/L	511.30 ppb	20:10:20
3	Cd 226.502†	30375.5	30013.9	510.98 ug/L	510.98 ppb	20:10:26
3	Co 228.616†	15065.5	14868.2	512.13 ug/L	512.13 ppb	20:10:46
3	Cr 267.716†	24428.7	24101.3	511.24 ug/L	511.24 ppb	20:10:26
3	Cu 324.752†	75367.7	71639.0	506.11 ug/L	506.11 ppb	20:10:26
3	Mn 257.610†	191270.1	188346.7	508.99 ug/L	508.99 ppb	20:10:26
3	Mo 202.031†	9991.0	9799.3	507.44 ug/L	507.44 ppb	20:10:46
3	Ni 231.604†	13852.2	13499.6	515.14 ug/L	515.14 ppb	20:10:26
3	P 214.914†	2405.5	2491.2	2527.6 ug/L	2527.6 ppb	20:10:46
3	Pb 220.353†	3566.5	3446.4	509.65 ug/L	509.65 ppb	20:10:46
3	S 181.975 Axial†	846.3	787.9	1007.7 ug/L	1007.7 ppb	20:10:46
3	Sb 206.836†	1096.7	1055.9	502.09 ug/L	502.09 ppb	20:10:46
3	Se 196.026†	991.3	958.9	516.33 ug/L	516.33 ppb	20:10:46
3	Si 251.611†	40333.6	39308.4	2581.5 ug/L	2581.5 ppb	20:10:26
3	Sn 189.927†	3405.1	3355.6	508.87 ug/L	508.87 ppb	20:10:46
3	Ti 334.940†	225387.8	221427.9	502.49 ug/L	502.49 ppb	20:10:26
3	Tl 190.801†	929.6	939.9	503.70 ug/L	503.70 ppb	20:10:46
3	U 409.014†	7366.0	7312.9	477.77 ug/L	477.77 ppb	20:10:26
3	V 292.402†	43294.7	42851.3	513.38 ug/L	513.38 ppb	20:10:26
3	Zn 213.857†	36222.6	35241.1	507.08 ug/L	507.08 ppb	20:10:26
3	SiO2†	40563.1	39529.3	5576.2 ug/L	5576.2 ppb	20:11:02

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	661561.9	101.22 %	0.228			0.23%
Sc Radial	12430.2	101 %	0.9			0.89%
Y 371.029	433276.3	100.20 %	0.261			0.26%
Y RADIAL	8613.0	101.3 %	0.68			0.67%
Ag 328.068†	54611.6	513.64 ug/L	2.798	513.64 ppb	2.798	0.54%
QC value within limits for Ag 328.068 Recovery = 102.73%						
Al 396.153Radial†	4379.9	4964.6 ug/L	13.08	4964.6 ppb	13.08	0.26%
QC value within limits for Al 396.153Radial Recovery = 99.29%						
As 188.979†	940.0	511.61 ug/L	3.402	511.61 ppb	3.402	0.66%
QC value within limits for As 188.979 Recovery = 102.32%						
B 249.677†	14804.8	515.83 ug/L	2.727	515.83 ppb	2.727	0.53%
QC value within limits for B 249.677 Recovery = 103.17%						
Ba 233.527†	27032.0	513.87 ug/L	2.101	513.87 ppb	2.101	0.41%
QC value within limits for Ba 233.527 Recovery = 102.77%						
Be 313.107†	775213.9	511.40 ug/L	0.273	511.40 ppb	0.273	0.05%
QC value within limits for Be 313.107 Recovery = 102.28%						
Ca 317.933Radial†	3888.9	5256.7 ug/L	11.06	5256.7 ppb	11.06	0.21%

QC value within limits for Ca 317.933 Radial Recovery = 105.13%

Cd 226.502†	30056.8	511.72 ug/L	1.677	511.72 ppb	1.677	0.33%
QC value within limits for Cd 226.502 Recovery = 102.34%						
Co 228.616†	14945.8	514.80 ug/L	2.513	514.80 ppb	2.513	0.49%
QC value within limits for Co 228.616 Recovery = 102.96%						
Cr 267.716†	24171.7	512.73 ug/L	2.090	512.73 ppb	2.090	0.41%
QC value within limits for Cr 267.716 Recovery = 102.55%						
Cu 324.752†	72047.0	508.99 ug/L	3.498	508.99 ppb	3.498	0.69%
QC value within limits for Cu 324.752 Recovery = 101.80%						
Fe 238.204 Radial†	647.0	5304.5 ug/L	36.46	5304.5 ppb	36.46	0.69%
QC value within limits for Fe 238.204 Radial Recovery = 106.09%						
K 766.490 Radial†	27123.7	5128.9 ug/L	7.70	5128.9 ppb	7.70	0.15%
QC value within limits for K 766.490 Radial Recovery = 102.58%						
Mg 279.077 IEC†	223.2	5203.5 ug/L	72.59	5203.5 ppb	72.59	1.39%
QC value within limits for Mg 279.077 IEC Recovery = 104.07%						
Mn 257.610†	188993.0	510.73 ug/L	2.428	510.73 ppb	2.428	0.48%
QC value within limits for Mn 257.610 Recovery = 102.15%						
Mo 202.031†	9829.7	509.02 ug/L	1.517	509.02 ppb	1.517	0.30%
QC value within limits for Mo 202.031 Recovery = 101.80%						
Na 589.592 Radial†	116825.4	10176 ug/L	18.6	10176 ppb	18.6	0.18%
QC value within limits for Na 589.592 Radial Recovery = 101.76%						
Ni 231.604†	13518.2	515.85 ug/L	2.874	515.85 ppb	2.874	0.56%
QC value within limits for Ni 231.604 Recovery = 103.17%						
P 214.914†	2503.1	2539.8 ug/L	11.01	2539.8 ppb	11.01	0.43%
QC value within limits for P 214.914 Recovery = 101.59%						
Pb 220.353†	3450.9	510.33 ug/L	2.342	510.33 ppb	2.342	0.46%
QC value within limits for Pb 220.353 Recovery = 102.07%						
S 181.975 Axial†	792.9	1014.1 ug/L	8.42	1014.1 ppb	8.42	0.83%
QC value within limits for S 181.975 Axial Recovery = 101.41%						
Sb 206.836†	1059.0	503.55 ug/L	3.836	503.55 ppb	3.836	0.76%
QC value within limits for Sb 206.836 Recovery = 100.71%						
Se 196.026†	964.3	519.13 ug/L	2.547	519.13 ppb	2.547	0.49%
QC value within limits for Se 196.026 Recovery = 103.83%						
Si 251.611†	39496.5	2593.9 ug/L	13.81	2593.9 ppb	13.81	0.53%
QC value within limits for Si 251.611 Recovery = 103.76%						
Sn 189.927†	3368.6	510.85 ug/L	2.265	510.85 ppb	2.265	0.44%
QC value within limits for Sn 189.927 Recovery = 102.17%						
Sr 421.552†	110724.0	516.43 ug/L	0.742	516.43 ppb	0.742	0.14%
QC value within limits for Sr 421.552 Recovery = 103.29%						
Ti 334.940†	222229.1	504.30 ug/L	2.941	504.30 ppb	2.941	0.58%
QC value within limits for Ti 334.940 Recovery = 100.86%						
Tl 190.801†	950.3	509.27 ug/L	4.936	509.27 ppb	4.936	0.97%
QC value within limits for Tl 190.801 Recovery = 101.85%						
U 409.014†	7386.3	482.59 ug/L	6.234	482.59 ppb	6.234	1.29%
QC value within limits for U 409.014 Recovery = 96.52%						
V 292.402†	43012.8	515.32 ug/L	2.729	515.32 ppb	2.729	0.53%
QC value within limits for V 292.402 Recovery = 103.06%						
Zn 213.857†	35310.8	508.09 ug/L	1.903	508.09 ppb	1.903	0.37%
QC value within limits for Zn 213.857 Recovery = 101.62%						
SiO2†	39724.3	5603.7 ug/L	33.29	5603.7 ppb	33.29	0.59%
QC value within limits for SiO2 Recovery = 104.79%						

All analyte(s) passed QC.

Sequence No.: 17
 Sample ID: CCB
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 8
 Date Collected: 1/22/2008 20:13:13
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12677.5	12677.5	103 %		20:15:07
1	Y RADIAL	8804.7	8804.7	103.6 %		20:15:07
1	Al 396.153Radial†	11.4	8.7	9.7828 ug/L	9.7828 ppb	20:15:27
1	Ca 317.933Radial†	38.1	1.8	2.3676 ug/L	2.3676 ppb	20:15:27
1	Fe 238.204 Radial†	37.0	2.3	18.800 ug/L	18.800 ppb	20:15:27
1	K 766.490 Radial†	1054.5	-184.4	-34.890 ug/L	-34.890 ppb	20:15:07
1	Mg 279.077 IEC†	-1.8	-1.6	-37.367 ug/L	-37.367 ppb	20:15:27
1	Na 589.592 Radial†	189.1	-968.8	-84.386 ug/L	-84.386 ppb	20:15:07
1	Sr 421.552†	62.7	19.1	0.0892 ug/L	0.0892 ppb	20:15:07
1	Sc 361.383	659945.2	659945.2	100.97 %		20:16:25
1	Y 371.029	437306.6	437306.6	101.13 %		20:16:25
1	Ag 328.068†	-0.3	16.4	0.1542 ug/L	0.1542 ppb	20:16:31
1	As 188.979†	-5.7	3.4	1.8660 ug/L	1.8660 ppb	20:16:51
1	B 249.677†	448.1	158.6	5.5262 ug/L	5.5262 ppb	20:16:51
1	Ba 233.527†	8.0	12.0	0.2275 ug/L	0.2275 ppb	20:16:51
1	Be 313.107†	-1848.1	166.1	0.1096 ug/L	0.1096 ppb	20:16:31
1	Cd 226.502†	-80.5	1.8	0.0315 ug/L	0.0315 ppb	20:16:51
1	Co 228.616†	-22.7	-0.0	0.0009 ug/L	0.0009 ppb	20:16:51
1	Cr 267.716†	-20.4	8.8	0.1853 ug/L	0.1853 ppb	20:16:51
1	Cu 324.752†	2615.1	-39.3	-0.2767 ug/L	-0.2767 ppb	20:16:31
1	Mn 257.610†	170.5	36.0	0.0995 ug/L	0.0995 ppb	20:16:51
1	Mo 202.031†	71.9	25.2	1.3046 ug/L	1.3046 ppb	20:16:51
1	Ni 231.604†	159.3	7.2	0.2751 ug/L	0.2751 ppb	20:16:51
1	P 214.914†	-125.6	-3.6	-3.6599 ug/L	-3.6599 ppb	20:16:51
1	Pb 220.353†	74.2	5.4	0.7967 ug/L	0.7967 ppb	20:16:51
1	S 181.975 Axial†	32.3	-14.1	-18.019 ug/L	-18.019 ppb	20:16:51
1	Sb 206.836†	39.7	14.5	6.9183 ug/L	6.9183 ppb	20:16:51
1	Se 196.026†	12.2	-5.9	-3.0548 ug/L	-3.0548 ppb	20:16:51
1	Si 251.611†	458.9	17.8	1.1454 ug/L	1.1454 ppb	20:16:51
1	Sn 189.927†	3.6	3.8	0.5758 ug/L	0.5758 ppb	20:16:51
1	Ti 334.940†	803.1	123.6	0.2779 ug/L	0.2779 ppb	20:16:31
1	Tl 190.801†	-30.3	-6.1	-3.2599 ug/L	-3.2599 ppb	20:16:51
1	U 409.014†	24.6	78.7	5.1804 ug/L	5.1804 ppb	20:16:31
1	V 292.402†	-201.1	-10.9	-0.1120 ug/L	-0.1120 ppb	20:16:31
1	Zn 213.857†	462.7	5.1	0.0717 ug/L	0.0717 ppb	20:16:51
1	SiO2†	446.7	0.4	0.0563 ug/L	0.0563 ppb	20:18:13
2	Sc Radial	12487.2	12487.2	102 %		20:15:32
2	Y RADIAL	8717.6	8717.6	102.5 %		20:15:32
2	Al 396.153Radial†	12.8	10.3	11.644 ug/L	11.644 ppb	20:15:53
2	Ca 317.933Radial†	38.8	3.0	4.0586 ug/L	4.0586 ppb	20:15:53
2	Fe 238.204 Radial†	35.7	1.6	12.840 ug/L	12.840 ppb	20:15:53
2	K 766.490 Radial†	979.1	-243.0	-45.976 ug/L	-45.976 ppb	20:15:32
2	Mg 279.077 IEC†	1.0	1.1	25.600 ug/L	25.600 ppb	20:15:53
2	Na 589.592 Radial†	145.9	-1008.5	-87.850 ug/L	-87.850 ppb	20:15:32
2	Sr 421.552†	83.9	41.0	0.1910 ug/L	0.1910 ppb	20:15:32
2	Sc 361.383	662963.4	662963.4	101.44 %		20:16:56
2	Y 371.029	439459.6	439459.6	101.63 %		20:16:56
2	Ag 328.068†	0.3	17.0	0.1628 ug/L	0.1628 ppb	20:17:01
2	As 188.979†	-6.9	2.2	1.2078 ug/L	1.2078 ppb	20:17:22
2	B 249.677†	435.1	143.7	5.0082 ug/L	5.0082 ppb	20:17:22
2	Ba 233.527†	4.3	8.3	0.1588 ug/L	0.1588 ppb	20:17:22
2	Be 313.107†	-1877.2	145.8	0.0962 ug/L	0.0962 ppb	20:17:01
2	Cd 226.502†	-73.1	9.5	0.1612 ug/L	0.1612 ppb	20:17:22
2	Co 228.616†	-13.6	9.0	0.3124 ug/L	0.3124 ppb	20:17:22
2	Cr 267.716†	-13.3	15.9	0.3372 ug/L	0.3372 ppb	20:17:22
2	Cu 324.752†	2568.3	-97.2	-0.6860 ug/L	-0.6860 ppb	20:17:01
2	Mn 257.610†	168.6	33.3	0.0915 ug/L	0.0915 ppb	20:17:22
2	Mo 202.031†	70.7	23.7	1.2278 ug/L	1.2278 ppb	20:17:22
2	Ni 231.604†	143.1	-9.4	-0.3614 ug/L	-0.3614 ppb	20:17:22

2	P 214.914†	-113.0	9.3	9.5111 ug/L	9.5111 ppb	20:17:22
2	Pb 220.353†	64.6	-4.4	-0.6421 ug/L	-0.6421 ppb	20:17:22
2	S 181.975 Axial†	35.2	-11.4	-14.615 ug/L	-14.615 ppb	20:17:22
2	Sb 206.836†	30.8	5.6	2.6671 ug/L	2.6671 ppb	20:17:22
2	Se 196.026†	27.0	8.6	4.5755 ug/L	4.5755 ppb	20:17:22
2	Si 251.611†	457.1	13.9	0.8953 ug/L	0.8953 ppb	20:17:22
2	Sn 189.927†	2.7	2.9	0.4407 ug/L	0.4407 ppb	20:17:22
2	Ti 334.940†	799.9	116.8	0.2641 ug/L	0.2641 ppb	20:17:01
2	Tl 190.801†	-30.1	-5.8	-3.1023 ug/L	-3.1023 ppb	20:17:22
2	U 409.014†	-21.2	33.4	2.2004 ug/L	2.2004 ppb	20:17:01
2	V 292.402†	-161.9	28.6	0.3526 ug/L	0.3526 ppb	20:17:01
2	Zn 213.857†	461.4	1.8	0.0268 ug/L	0.0268 ppb	20:17:22
2	SiO2†	452.1	3.7	0.5204 ug/L	0.5204 ppb	20:18:33
3	Sc Radial	12629.6	12629.6	103 %		20:15:58
3	Y RADIAL	8805.5	8805.5	103.6 %		20:15:58
3	Al 396.153Radial†	11.2	8.5	9.6528 ug/L	9.6528 ppb	20:16:18
3	Ca 317.933Radial†	34.2	-1.9	-2.5936 ug/L	-2.5936 ppb	20:16:18
3	Fe 238.204 Radial†	35.1	0.7	5.3577 ug/L	5.3577 ppb	20:16:18
3	K 766.490 Radial†	1034.3	-200.3	-37.889 ug/L	-37.889 ppb	20:15:58
3	Mg 279.077 IEC†	1.4	1.5	33.957 ug/L	33.957 ppb	20:16:18
3	Na 589.592 Radial†	136.2	-1019.5	-88.809 ug/L	-88.809 ppb	20:15:58
3	Sr 421.552†	79.4	35.6	0.1663 ug/L	0.1663 ppb	20:15:58
3	Sc 361.383	665095.7	665095.7	101.76 %		20:17:27
3	Y 371.029	440804.0	440804.0	101.94 %		20:17:27
3	Ag 328.068†	-58.4	-40.7	-0.3769 ug/L	-0.3769 ppb	20:17:32
3	As 188.979†	-10.9	-1.6	-0.8709 ug/L	-0.8709 ppb	20:17:52
3	B 249.677†	422.3	129.8	4.5232 ug/L	4.5232 ppb	20:17:52
3	Ba 233.527†	3.7	7.8	0.1482 ug/L	0.1482 ppb	20:17:52
3	Be 313.107†	-1915.0	114.6	0.0756 ug/L	0.0756 ppb	20:17:32
3	Cd 226.502†	-82.2	0.8	0.0155 ug/L	0.0155 ppb	20:17:52
3	Co 228.616†	-15.6	7.1	0.2468 ug/L	0.2468 ppb	20:17:52
3	Cr 267.716†	-21.5	7.9	0.1667 ug/L	0.1667 ppb	20:17:52
3	Cu 324.752†	2572.5	-101.2	-0.7146 ug/L	-0.7146 ppb	20:17:32
3	Mn 257.610†	162.2	26.5	0.0722 ug/L	0.0722 ppb	20:17:52
3	Mo 202.031†	67.9	20.7	1.0718 ug/L	1.0718 ppb	20:17:52
3	Ni 231.604†	158.8	5.5	0.2095 ug/L	0.2095 ppb	20:17:52
3	P 214.914†	-123.4	-0.5	-0.5247 ug/L	-0.5247 ppb	20:17:52
3	Pb 220.353†	73.0	3.7	0.5422 ug/L	0.5422 ppb	20:17:52
3	S 181.975 Axial†	37.4	-9.3	-11.964 ug/L	-11.964 ppb	20:17:52
3	Sb 206.836†	39.1	13.6	6.4668 ug/L	6.4668 ppb	20:17:52
3	Se 196.026†	21.3	2.9	1.5548 ug/L	1.5548 ppb	20:17:52
3	Si 251.611†	444.7	0.2	-0.0060 ug/L	-0.0060 ppb	20:17:52
3	Sn 189.927†	1.8	2.0	0.3035 ug/L	0.3035 ppb	20:17:52
3	Ti 334.940†	752.9	68.1	0.1521 ug/L	0.1521 ppb	20:17:32
3	Tl 190.801†	-27.2	-2.8	-1.5269 ug/L	-1.5269 ppb	20:17:52
3	U 409.014†	6.2	60.5	3.9825 ug/L	3.9825 ppb	20:17:32
3	V 292.402†	-178.9	12.4	0.1623 ug/L	0.1623 ppb	20:17:32
3	Zn 213.857†	453.0	-7.9	-0.1164 ug/L	-0.1164 ppb	20:17:52
3	SiO2†	443.1	-6.6	-0.9286 ug/L	-0.9286 ppb	20:18:53

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	662668.1	101.39 %		0.396			0.39%
Sc Radial	12598.1	103 %		0.8			0.79%
Y 371.029	439190.1	101.57 %		0.408			0.40%
Y RADIAL	8776.0	103.2 %		0.59			0.58%
Ag 328.068†	-2.4	-0.0200 ug/L		0.30911	-0.0200 ppb	0.30911	>999.9%
QC value within limits for Ag 328.068 Recovery = Not calculated							
Al 396.153Radial†	9.2	10.360 ug/L		1.1139	10.360 ppb	1.1139	10.75%
QC value within limits for Al 396.153Radial Recovery = Not calculated							
As 188.979†	1.3	0.7343 ug/L		1.42852	0.7343 ppb	1.42852	194.54%
QC value within limits for As 188.979 Recovery = Not calculated							
B 249.677†	144.1	5.0192 ug/L		0.50157	5.0192 ppb	0.50157	9.99%
QC value within limits for B 249.677 Recovery = Not calculated							
Ba 233.527†	9.4	0.1782 ug/L		0.04303	0.1782 ppb	0.04303	24.15%
QC value within limits for Ba 233.527 Recovery = Not calculated							
Be 313.107†	142.2	0.0938 ug/L		0.01712	0.0938 ppb	0.01712	18.25%
QC value within limits for Be 313.107 Recovery = Not calculated							
Ca 317.933Radial†	0.9	1.2775 ug/L		3.45745	1.2775 ppb	3.45745	270.64%

QC value within limits for Ca 317.933 Radial Recovery = Not calculated							
Cd	226.502†	4.1	0.0694 ug/L	0.07989	0.0694 ppb	0.07989	115.10%
QC value within limits for Cd 226.502 Recovery = Not calculated							
Co	228.616†	5.4	0.1867 ug/L	0.16420	0.1867 ppb	0.16420	87.94%
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr	267.716†	10.8	0.2297 ug/L	0.09356	0.2297 ppb	0.09356	40.72%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu	324.752†	-79.2	-0.5591 ug/L	0.24498	-0.5591 ppb	0.24498	43.82%
QC value within limits for Cu 324.752 Recovery = Not calculated							
Fe	238.204 Radial†	1.5	12.333 ug/L	6.7357	12.333 ppb	6.7357	54.62%
QC value within limits for Fe 238.204 Radial Recovery = Not calculated							
K	766.490 Radial†	-209.3	-39.585 ug/L	5.7342	-39.585 ppb	5.7342	14.49%
QC value within limits for K 766.490 Radial Recovery = Not calculated							
Mg	279.077 IEC†	0.3	7.3965 ug/L	38.99115	7.3965 ppb	38.99115	527.16%
QC value within limits for Mg 279.077 IEC Recovery = Not calculated							
Mn	257.610†	31.9	0.0877 ug/L	0.01403	0.0877 ppb	0.01403	15.99%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo	202.031†	23.2	1.2014 ug/L	0.11864	1.2014 ppb	0.11864	9.88%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na	589.592 Radial†	-998.9	-87.015 ug/L	2.3267	-87.015 ppb	2.3267	2.67%
QC value within limits for Na 589.592 Radial Recovery = Not calculated							
Ni	231.604†	1.1	0.0411 ug/L	0.35010	0.0411 ppb	0.35010	852.39%
QC value within limits for Ni 231.604 Recovery = Not calculated							
P	214.914†	1.7	1.7755 ug/L	6.88021	1.7755 ppb	6.88021	387.51%
QC value within limits for P 214.914 Recovery = Not calculated							
Pb	220.353†	1.6	0.2322 ug/L	0.76783	0.2322 ppb	0.76783	330.63%
QC value within limits for Pb 220.353 Recovery = Not calculated							
S	181.975 Axial†	-11.6	-14.866 ug/L	3.0351	-14.866 ppb	3.0351	20.42%
QC value within limits for S 181.975 Axial Recovery = Not calculated							
Sb	206.836†	11.2	5.3507 ug/L	2.33508	5.3507 ppb	2.33508	43.64%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se	196.026†	1.9	1.0252 ug/L	3.84259	1.0252 ppb	3.84259	374.83%
QC value within limits for Se 196.026 Recovery = Not calculated							
Si	251.611†	10.6	0.6782 ug/L	0.60557	0.6782 ppb	0.60557	89.29%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn	189.927†	2.9	0.4400 ug/L	0.13613	0.4400 ppb	0.13613	30.94%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr	421.552†	31.9	0.1488 ug/L	0.05310	0.1488 ppb	0.05310	35.68%
QC value within limits for Sr 421.552 Recovery = Not calculated							
Ti	334.940†	102.8	0.2314 ug/L	0.06903	0.2314 ppb	0.06903	29.83%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl	190.801†	-4.9	-2.6297 ug/L	0.95830	-2.6297 ppb	0.95830	36.44%
QC value within limits for Tl 190.801 Recovery = Not calculated							
U	409.014†	57.5	3.7878 ug/L	1.49953	3.7878 ppb	1.49953	39.59%
QC value within limits for U 409.014 Recovery = Not calculated							
V	292.402†	10.1	0.1343 ug/L	0.23354	0.1343 ppb	0.23354	173.88%
QC value within limits for V 292.402 Recovery = Not calculated							
Zn	213.857†	-0.3	-0.0059 ug/L	0.09826	-0.0059 ppb	0.09826	>999.9%
QC value within limits for Zn 213.857 Recovery = Not calculated							
SiO2†		-0.8	-0.1173 ug/L	0.73993	-0.1173 ppb	0.73993	631.01%
QC value within limits for SiO2 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 2

Sample ID: CCV

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 7

Date Collected: 1/22/2008 20:30:14

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12231.9	12231.9	99.6 %		20:32:07
1	Y RADIAL	8443.4	8443.4	99.31 %		20:32:07
1	Al 396.153Radial†	4318.6	4335.7	4913.5 ug/L	4913.5 ppb	20:32:07
1	Ca 317.933Radial†	3897.2	3879.6	5244.1 ug/L	5244.1 ppb	20:32:07
1	Fe 238.204 Radial†	683.4	653.0	5353.2 ug/L	5353.2 ppb	20:32:27
1	K 766.490 Radial†	28407.9	27329.4	5167.8 ug/L	5167.8 ppb	20:32:07
1	Mg 279.077 IEC†	225.7	226.8	5287.5 ug/L	5287.5 ppb	20:32:27
1	Na 589.592 Radial†	117023.4	116398.4	10139 ug/L	10139 ppb	20:32:07
1	Sr 421.552†	109061.7	109511.3	510.77 ug/L	510.77 ppb	20:32:07
1	Sc 361.383	659021.9	659021.9	100.83 %		20:33:28
1	Y 371.029	432104.1	432104.1	99.932 %		20:33:28
1	Ag 328.068†	54989.3	54551.9	513.07 ug/L	513.07 ppb	20:33:28
1	As 188.979†	928.5	929.9	506.13 ug/L	506.13 ppb	20:33:48
1	B 249.677†	15024.6	14615.3	509.23 ug/L	509.23 ppb	20:33:28
1	Ba 233.527†	27174.8	26954.4	512.39 ug/L	512.39 ppb	20:33:28
1	Be 313.107†	775154.9	770749.3	508.46 ug/L	508.46 ppb	20:33:28
1	Cd 226.502†	30106.2	29939.1	509.72 ug/L	509.72 ppb	20:33:28
1	Co 228.616†	14967.5	14866.3	512.06 ug/L	512.06 ppb	20:33:48
1	Cr 267.716†	24273.0	24101.5	511.24 ug/L	511.24 ppb	20:33:28
1	Cu 324.752†	75065.9	71816.7	507.37 ug/L	507.37 ppb	20:33:28
1	Mn 257.610†	191456.0	189741.9	512.75 ug/L	512.75 ppb	20:33:28
1	Mo 202.031†	9904.6	9776.8	506.28 ug/L	506.28 ppb	20:33:48
1	Ni 231.604†	13712.1	13448.2	513.18 ug/L	513.18 ppb	20:33:28
1	P 214.914†	2379.1	2480.2	2516.3 ug/L	2516.3 ppb	20:33:48
1	Pb 220.353†	3528.5	3431.3	507.40 ug/L	507.40 ppb	20:33:48
1	S 181.975 Axial†	901.2	847.7	1084.2 ug/L	1084.2 ppb	20:33:48
1	Sb 206.836†	1075.5	1041.8	495.35 ug/L	495.35 ppb	20:33:48
1	Se 196.026†	990.7	964.5	519.36 ug/L	519.36 ppb	20:33:48
1	Si 251.611†	40116.0	39347.9	2584.2 ug/L	2584.2 ppb	20:33:28
1	Sn 189.927†	3383.6	3355.9	508.91 ug/L	508.91 ppb	20:33:48
1	Ti 334.940†	226603.1	224059.8	508.44 ug/L	508.44 ppb	20:33:28
1	Tl 190.801†	933.8	950.1	509.16 ug/L	509.16 ppb	20:33:48
1	U 409.014†	7778.6	7768.7	507.76 ug/L	507.76 ppb	20:33:28
1	V 292.402†	42971.1	42804.4	512.86 ug/L	512.86 ppb	20:33:28
1	Zn 213.857†	35923.7	35173.9	506.11 ug/L	506.11 ppb	20:33:28
1	SiO2†	40270.4	39495.8	5571.5 ug/L	5571.5 ppb	20:34:49
2	Sc Radial	12457.9	12457.9	101 %		20:32:33
2	Y RADIAL	8599.7	8599.7	101.1 %		20:32:33
2	Al 396.153Radial†	4407.8	4345.0	4924.3 ug/L	4924.3 ppb	20:32:33
2	Ca 317.933Radial†	3963.7	3874.1	5236.7 ug/L	5236.7 ppb	20:32:33
2	Fe 238.204 Radial†	676.6	633.8	5196.7 ug/L	5196.7 ppb	20:32:53
2	K 766.490 Radial†	29304.9	27696.3	5237.2 ug/L	5237.2 ppb	20:32:33
2	Mg 279.077 IEC†	224.7	221.7	5166.9 ug/L	5166.9 ppb	20:32:53
2	Na 589.592 Radial†	119030.2	116244.9	10126 ug/L	10126 ppb	20:32:33
2	Sr 421.552†	111031.9	109466.8	510.56 ug/L	510.56 ppb	20:32:33
2	Sc 361.383	658007.5	658007.5	100.68 %		20:33:55
2	Y 371.029	431671.3	431671.3	99.832 %		20:33:55
2	Ag 328.068†	54958.0	54604.8	513.56 ug/L	513.56 ppb	20:33:55
2	As 188.979†	938.0	940.8	512.03 ug/L	512.03 ppb	20:34:16
2	B 249.677†	15098.3	14711.5	512.58 ug/L	512.58 ppb	20:33:55
2	Ba 233.527†	27164.4	26985.7	512.99 ug/L	512.99 ppb	20:33:55
2	Be 313.107†	776738.1	773507.1	510.28 ug/L	510.28 ppb	20:33:55
2	Cd 226.502†	30141.0	30019.8	511.11 ug/L	511.11 ppb	20:33:55
2	Co 228.616†	15007.7	14929.2	514.22 ug/L	514.22 ppb	20:34:16
2	Cr 267.716†	24249.3	24115.0	511.53 ug/L	511.53 ppb	20:33:55
2	Cu 324.752†	75143.3	72008.4	508.72 ug/L	508.72 ppb	20:33:55
2	Mn 257.610†	191600.0	190177.6	513.91 ug/L	513.91 ppb	20:33:55
2	Mo 202.031†	9900.0	9787.4	506.82 ug/L	506.82 ppb	20:34:16
2	Ni 231.604†	13740.2	13497.1	515.04 ug/L	515.04 ppb	20:33:55

2	P 214.914†	2375.0	2479.8	2516.1 ug/L	2516.1 ppb	20:34:16
2	Pb 220.353†	3544.8	3452.9	510.60 ug/L	510.60 ppb	20:34:16
2	S 181.975 Axial†	892.1	840.0	1074.5 ug/L	1074.5 ppb	20:34:16
2	Sb 206.836†	1077.9	1045.8	497.27 ug/L	497.27 ppb	20:34:16
2	Se 196.026†	982.1	957.5	515.36 ug/L	515.36 ppb	20:34:16
2	Si 251.611†	40179.4	39472.3	2592.3 ug/L	2592.3 ppb	20:33:55
2	Sn 189.927†	3379.9	3357.4	509.15 ug/L	509.15 ppb	20:34:16
2	Ti 334.940†	227003.4	224803.9	510.13 ug/L	510.13 ppb	20:33:55
2	Tl 190.801†	932.9	950.6	509.43 ug/L	509.43 ppb	20:34:16
2	U 409.014†	7837.4	7839.1	512.38 ug/L	512.38 ppb	20:33:55
2	V 292.402†	43020.8	42919.5	514.25 ug/L	514.25 ppb	20:33:55
2	Zn 213.857†	36024.7	35329.2	508.38 ug/L	508.38 ppb	20:33:55
2	SiO2†	40305.3	39592.0	5585.1 ug/L	5585.1 ppb	20:34:54
3	Sc Radial	12318.4	12318.4	100 %		20:32:58
3	Y RADIAL	8510.4	8510.4	100.1 %		20:32:58
3	Al 396.153Radial†	4364.1	4350.7	4931.1 ug/L	4931.1 ppb	20:32:58
3	Ca 317.933Radial†	3945.2	3900.0	5271.7 ug/L	5271.7 ppb	20:32:58
3	Fe 238.204 Radial†	678.9	643.6	5277.0 ug/L	5277.0 ppb	20:33:18
3	K 766.490 Radial†	29507.9	28226.2	5337.4 ug/L	5337.4 ppb	20:32:58
3	Mg 279.077 IEC†	226.2	225.8	5262.4 ug/L	5262.4 ppb	20:33:18
3	Na 589.592 Radial†	118667.6	117213.5	10210 ug/L	10210 ppb	20:32:58
3	Sr 421.552†	110416.3	110093.6	513.48 ug/L	513.48 ppb	20:32:58
3	Sc 361.383	660551.3	660551.3	101.07 %		20:34:23
3	Y 371.029	433556.0	433556.0	100.27 %		20:34:23
3	Ag 328.068†	55214.0	54648.0	513.98 ug/L	513.98 ppb	20:34:23
3	As 188.979†	936.7	935.9	509.37 ug/L	509.37 ppb	20:34:43
3	B 249.677†	15177.8	14732.4	513.31 ug/L	513.31 ppb	20:34:23
3	Ba 233.527†	27353.7	27069.1	514.57 ug/L	514.57 ppb	20:34:23
3	Be 313.107†	781426.9	775175.2	511.38 ug/L	511.38 ppb	20:34:23
3	Cd 226.502†	30366.5	30127.6	512.94 ug/L	512.94 ppb	20:34:23
3	Co 228.616†	15016.6	14880.6	512.55 ug/L	512.55 ppb	20:34:43
3	Cr 267.716†	24373.4	24145.1	512.17 ug/L	512.17 ppb	20:34:23
3	Cu 324.752†	75469.3	72043.6	508.97 ug/L	508.97 ppb	20:34:23
3	Mn 257.610†	192736.7	190569.4	514.98 ug/L	514.98 ppb	20:34:23
3	Mo 202.031†	9930.0	9779.2	506.40 ug/L	506.40 ppb	20:34:43
3	Ni 231.604†	13869.5	13572.5	517.92 ug/L	517.92 ppb	20:34:23
3	P 214.914†	2390.6	2486.2	2522.5 ug/L	2522.5 ppb	20:34:43
3	Pb 220.353†	3558.8	3453.2	510.64 ug/L	510.64 ppb	20:34:43
3	S 181.975 Axial†	878.5	823.2	1052.9 ug/L	1052.9 ppb	20:34:43
3	Sb 206.836†	1085.2	1049.0	498.75 ug/L	498.75 ppb	20:34:43
3	Se 196.026†	984.4	956.0	514.72 ug/L	514.72 ppb	20:34:43
3	Si 251.611†	40447.6	39583.9	2599.7 ug/L	2599.7 ppb	20:34:23
3	Sn 189.927†	3397.1	3361.4	509.76 ug/L	509.76 ppb	20:34:43
3	Ti 334.940†	228042.7	224963.9	510.49 ug/L	510.49 ppb	20:34:23
3	Tl 190.801†	927.9	942.0	504.84 ug/L	504.84 ppb	20:34:43
3	U 409.014†	7832.1	7803.9	510.05 ug/L	510.05 ppb	20:34:23
3	V 292.402†	43317.2	43048.2	515.77 ug/L	515.77 ppb	20:34:23
3	Zn 213.857†	36205.6	35370.3	508.94 ug/L	508.94 ppb	20:34:23
3	SiO2†	39948.1	39084.4	5513.5 ug/L	5513.5 ppb	20:34:59

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	659193.6	100.86 %	0.196			0.19%
Sc Radial	12336.1	100 %	0.9			0.92%
Y 371.029	432443.8	100.01 %	0.228			0.23%
Y RADIAL	8517.8	100.2 %	0.92			0.92%
Ag 328.068†	54601.6	513.54 ug/L	0.455	513.54 ppb	0.455	0.09%
QC value within limits for Ag 328.068 Recovery = 102.71%						
Al 396.153Radial†	4343.8	4923.0 ug/L	8.91	4923.0 ppb	8.91	0.18%
QC value within limits for Al 396.153Radial Recovery = 98.46%						
As 188.979†	935.5	509.18 ug/L	2.955	509.18 ppb	2.955	0.58%
QC value within limits for As 188.979 Recovery = 101.84%						
B 249.677†	14686.4	511.71 ug/L	2.177	511.71 ppb	2.177	0.43%
QC value within limits for B 249.677 Recovery = 102.34%						
Ba 233.527†	27003.1	513.32 ug/L	1.127	513.32 ppb	1.127	0.22%
QC value within limits for Ba 233.527 Recovery = 102.66%						
Be 313.107†	773143.9	510.04 ug/L	1.475	510.04 ppb	1.475	0.29%
QC value within limits for Be 313.107 Recovery = 102.01%						
Ca 317.933Radial†	3884.5	5250.8 ug/L	18.44	5250.8 ppb	18.44	0.35%

QC value within limits for Ca 317.933 Radial Recovery = 105.02%							
Cd	226.502†	30028.8	511.26 ug/L	1.614	511.26 ppb	1.614	0.32%
QC value within limits for Cd 226.502 Recovery = 102.25%							
Co	228.616†	14892.0	512.95 ug/L	1.135	512.95 ppb	1.135	0.22%
QC value within limits for Co 228.616 Recovery = 102.59%							
Cr	267.716†	24120.6	511.65 ug/L	0.474	511.65 ppb	0.474	0.09%
QC value within limits for Cr 267.716 Recovery = 102.33%							
Cu	324.752†	71956.2	508.35 ug/L	0.860	508.35 ppb	0.860	0.17%
QC value within limits for Cu 324.752 Recovery = 101.67%							
Fe	238.204 Radial†	643.5	5275.7 ug/L	78.24	5275.7 ppb	78.24	1.48%
QC value within limits for Fe 238.204 Radial Recovery = 105.51%							
K	766.490 Radial†	27750.6	5247.5 ug/L	85.29	5247.5 ppb	85.29	1.63%
QC value within limits for K 766.490 Radial Recovery = 104.95%							
Mg	279.077 IEC†	224.8	5238.9 ug/L	63.68	5238.9 ppb	63.68	1.22%
QC value within limits for Mg 279.077 IEC Recovery = 104.78%							
Mn	257.610†	190163.0	513.88 ug/L	1.112	513.88 ppb	1.112	0.22%
QC value within limits for Mn 257.610 Recovery = 102.78%							
Mo	202.031†	9781.1	506.50 ug/L	0.284	506.50 ppb	0.284	0.06%
QC value within limits for Mo 202.031 Recovery = 101.30%							
Na	589.592 Radial†	116618.9	10158 ug/L	45.3	10158 ppb	45.3	0.45%
QC value within limits for Na 589.592 Radial Recovery = 101.58%							
Ni	231.604†	13506.0	515.38 ug/L	2.392	515.38 ppb	2.392	0.46%
QC value within limits for Ni 231.604 Recovery = 103.08%							
P	214.914†	2482.1	2518.3 ug/L	3.62	2518.3 ppb	3.62	0.14%
QC value within limits for P 214.914 Recovery = 100.73%							
Pb	220.353†	3445.8	509.55 ug/L	1.857	509.55 ppb	1.857	0.36%
QC value within limits for Pb 220.353 Recovery = 101.91%							
S	181.975 Axial†	837.0	1070.5 ug/L	16.05	1070.5 ppb	16.05	1.50%
QC value within limits for S 181.975 Axial Recovery = 107.05%							
Sb	206.836†	1045.5	497.12 ug/L	1.704	497.12 ppb	1.704	0.34%
QC value within limits for Sb 206.836 Recovery = 99.42%							
Se	196.026†	959.4	516.48 ug/L	2.515	516.48 ppb	2.515	0.49%
QC value within limits for Se 196.026 Recovery = 103.30%							
Si	251.611†	39468.0	2592.1 ug/L	7.78	2592.1 ppb	7.78	0.30%
QC value within limits for Si 251.611 Recovery = 103.68%							
Sn	189.927†	3358.2	509.27 ug/L	0.437	509.27 ppb	0.437	0.09%
QC value within limits for Sn 189.927 Recovery = 101.85%							
Sr	421.552†	109690.6	511.60 ug/L	1.631	511.60 ppb	1.631	0.32%
QC value within limits for Sr 421.552 Recovery = 102.32%							
Ti	334.940†	224609.2	509.69 ug/L	1.094	509.69 ppb	1.094	0.21%
QC value within limits for Ti 334.940 Recovery = 101.94%							
Tl	190.801†	947.5	507.81 ug/L	2.577	507.81 ppb	2.577	0.51%
QC value within limits for Tl 190.801 Recovery = 101.56%							
U	409.014†	7803.9	510.06 ug/L	2.314	510.06 ppb	2.314	0.45%
QC value within limits for U 409.014 Recovery = 102.01%							
V	292.402†	42924.1	514.29 ug/L	1.454	514.29 ppb	1.454	0.28%
QC value within limits for V 292.402 Recovery = 102.86%							
Zn	213.857†	35291.1	507.81 ug/L	1.501	507.81 ppb	1.501	0.30%
QC value within limits for Zn 213.857 Recovery = 101.56%							
SiO2†		39390.7	5556.7 ug/L	38.03	5556.7 ppb	38.03	0.68%
QC value within limits for SiO2 Recovery = 103.91%							
All analyte(s) passed QC.							

Sequence No.: 3

Sample ID: CCB

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 8

Date Collected: 1/22/2008 20:37:10

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12474.2	12474.2	102	%		20:39:08
1	Y RADIAL	8670.2	8670.2	102.0	%		20:39:08
1	Al 396.153Radial†	8.3	5.9	6.2543	ug/L	6.2543 ppb	20:39:28
1	Ca 317.933Radial†	45.8	9.9	13.402	ug/L	13.402 ppb	20:39:28
1	Fe 238.204 Radial†	35.8	1.7	14.261	ug/L	14.261 ppb	20:39:28
1	K 766.490 Radial†	1243.3	18.2	3.4285	ug/L	3.4285 ppb	20:39:08
1	Mg 279.077 IEC†	-0.4	-0.3	-6.2036	ug/L	-6.2036 ppb	20:39:28
1	Na 589.592 Radial†	414.0	-744.3	-64.832	ug/L	-64.832 ppb	20:39:08
1	Sr 421.552†	119.5	76.1	0.3547	ug/L	0.3547 ppb	20:39:08
1	Sc 361.383	651584.0	651584.0	99.695	%		20:40:26
1	Y 371.029	432237.5	432237.5	99.963	%		20:40:26
1	Ag 328.068†	-34.9	-18.3	-0.1695	ug/L	-0.1695 ppb	20:40:31
1	As 188.979†	-13.8	-4.8	-2.6009	ug/L	-2.6009 ppb	20:40:51
1	B 249.677†	406.2	122.2	4.2583	ug/L	4.2583 ppb	20:40:51
1	Ba 233.527†	9.4	13.5	0.2560	ug/L	0.2560 ppb	20:40:51
1	Be 313.107†	-1892.5	98.1	0.0647	ug/L	0.0647 ppb	20:40:31
1	Cd 226.502†	-80.5	0.8	0.0118	ug/L	0.0118 ppb	20:40:51
1	Co 228.616†	-10.3	12.0	0.4171	ug/L	0.4171 ppb	20:40:51
1	Cr 267.716†	-18.4	10.5	0.2219	ug/L	0.2219 ppb	20:40:51
1	Cu 324.752†	2609.7	-11.5	-0.0806	ug/L	-0.0806 ppb	20:40:31
1	Mn 257.610†	188.9	56.5	0.1544	ug/L	0.1544 ppb	20:40:51
1	Mo 202.031†	76.5	30.8	1.5926	ug/L	1.5926 ppb	20:40:51
1	Ni 231.604†	148.6	-1.5	-0.0596	ug/L	-0.0596 ppb	20:40:51
1	P 214.914†	-121.0	-0.6	-0.6108	ug/L	-0.6108 ppb	20:40:51
1	Pb 220.353†	69.8	1.9	0.2932	ug/L	0.2932 ppb	20:40:51
1	S 181.975 Axial†	51.4	5.5	7.0874	ug/L	7.0874 ppb	20:40:51
1	Sb 206.836†	32.5	7.8	3.7378	ug/L	3.7378 ppb	20:40:51
1	Se 196.026†	26.4	8.5	4.4895	ug/L	4.4895 ppb	20:40:51
1	Si 251.611†	478.0	42.8	2.7881	ug/L	2.7881 ppb	20:40:51
1	Sn 189.927†	-2.0	-1.8	-0.2715	ug/L	-0.2715 ppb	20:40:51
1	Ti 334.940†	860.9	191.7	0.4372	ug/L	0.4372 ppb	20:40:31
1	Tl 190.801†	-30.6	-6.8	-3.6557	ug/L	-3.6557 ppb	20:40:51
1	U 409.014†	-80.4	-26.3	-1.7343	ug/L	-1.7343 ppb	20:40:31
1	V 292.402†	-197.1	-9.4	-0.1030	ug/L	-0.1030 ppb	20:40:31
1	Zn 213.857†	458.2	6.5	0.0935	ug/L	0.0935 ppb	20:40:51
1	SiO2†	482.7	42.1	5.9454	ug/L	5.9454 ppb	20:42:14
2	Sc Radial	12375.9	12375.9	101	%		20:39:33
2	Y RADIAL	8609.0	8609.0	101.3	%		20:39:33
2	Al 396.153Radial†	5.4	3.1	3.0529	ug/L	3.0529 ppb	20:39:53
2	Ca 317.933Radial†	47.2	11.6	15.726	ug/L	15.726 ppb	20:39:53
2	Fe 238.204 Radial†	35.1	1.3	10.537	ug/L	10.537 ppb	20:39:53
2	K 766.490 Radial†	1296.0	80.2	15.164	ug/L	15.164 ppb	20:39:33
2	Mg 279.077 IEC†	2.4	2.5	58.342	ug/L	58.342 ppb	20:39:53
2	Na 589.592 Radial†	457.2	-698.2	-60.814	ug/L	-60.814 ppb	20:39:33
2	Sr 421.552†	102.1	59.8	0.2786	ug/L	0.2786 ppb	20:39:33
2	Sc 361.383	655769.8	655769.8	100.34	%		20:40:57
2	Y 371.029	434617.7	434617.7	100.51	%		20:40:57
2	Ag 328.068†	-23.4	-6.6	-0.0555	ug/L	-0.0555 ppb	20:41:02
2	As 188.979†	-10.6	-1.5	-0.8066	ug/L	-0.8066 ppb	20:41:22
2	B 249.677†	370.0	83.6	2.9121	ug/L	2.9121 ppb	20:41:22
2	Ba 233.527†	5.4	9.6	0.1823	ug/L	0.1823 ppb	20:41:22
2	Be 313.107†	-1872.8	129.9	0.0857	ug/L	0.0857 ppb	20:41:02
2	Cd 226.502†	-73.8	8.0	0.1357	ug/L	0.1357 ppb	20:41:22
2	Co 228.616†	-16.2	6.3	0.2192	ug/L	0.2192 ppb	20:41:22
2	Cr 267.716†	-17.1	11.9	0.2532	ug/L	0.2532 ppb	20:41:22
2	Cu 324.752†	2581.7	-56.1	-0.3956	ug/L	-0.3956 ppb	20:41:02
2	Mn 257.610†	179.1	45.6	0.1244	ug/L	0.1244 ppb	20:41:22
2	Mo 202.031†	71.6	25.4	1.3154	ug/L	1.3154 ppb	20:41:22
2	Ni 231.604†	151.3	0.3	0.0100	ug/L	0.0100 ppb	20:41:22

2	P 214.914†	-124.3	-3.1	-3.1383 ug/L	-3.1383 ppb	20:41:22
2	Pb 220.353†	72.4	4.1	0.6080 ug/L	0.6080 ppb	20:41:22
2	S 181.975 Axial†	46.6	0.3	0.4217 ug/L	0.4217 ppb	20:41:22
2	Sb 206.836†	43.7	18.7	8.9275 ug/L	8.9275 ppb	20:41:22
2	Se 196.026†	16.4	-1.6	-0.8328 ug/L	-0.8328 ppb	20:41:22
2	Si 251.611†	486.2	47.8	3.1264 ug/L	3.1264 ppb	20:41:22
2	Sn 189.927†	-5.9	-5.7	-0.8592 ug/L	-0.8592 ppb	20:41:22
2	Ti 334.940†	865.3	190.7	0.4342 ug/L	0.4342 ppb	20:41:02
2	Tl 190.801†	-28.3	-4.3	-2.3258 ug/L	-2.3258 ppb	20:41:22
2	U 409.014†	-56.7	-2.2	-0.1450 ug/L	-0.1450 ppb	20:41:02
2	V 292.402†	-142.7	46.1	0.5566 ug/L	0.5566 ppb	20:41:02
2	Zn 213.857†	459.5	4.9	0.0675 ug/L	0.0675 ppb	20:41:22
2	SiO2†	477.9	34.3	4.8341 ug/L	4.8341 ppb	20:42:34
3	Sc Radial	12284.1	12284.1	100.0 %		20:39:58
3	Y RADIAL	8608.2	8608.2	101.2 %		20:39:58
3	Al 396.153Radial†	15.2	12.8	14.740 ug/L	14.740 ppb	20:40:19
3	Ca 317.933Radial†	44.0	8.8	11.892 ug/L	11.892 ppb	20:40:19
3	Fe 238.204 Radial†	32.0	-1.5	-12.513 ug/L	-12.513 ppb	20:40:19
3	K 766.490 Radial†	1191.1	-15.1	-2.8530 ug/L	-2.8530 ppb	20:39:58
3	Mg 279.077 IEC†	-0.9	-0.8	-19.169 ug/L	-19.169 ppb	20:40:19
3	Na 589.592 Radial†	378.8	-773.2	-67.349 ug/L	-67.349 ppb	20:39:58
3	Sr 421.552†	99.8	58.2	0.2713 ug/L	0.2713 ppb	20:39:58
3	Sc 361.383	655234.6	655234.6	100.25 %		20:41:28
3	Y 371.029	434372.6	434372.6	100.46 %		20:41:28
3	Ag 328.068†	-28.2	-11.4	-0.1109 ug/L	-0.1109 ppb	20:41:33
3	As 188.979†	-15.8	-6.7	-3.6531 ug/L	-3.6531 ppb	20:41:53
3	B 249.677†	362.0	75.9	2.6438 ug/L	2.6438 ppb	20:41:53
3	Ba 233.527†	13.3	17.4	0.3285 ug/L	0.3285 ppb	20:41:53
3	Be 313.107†	-1878.0	123.2	0.0813 ug/L	0.0813 ppb	20:41:33
3	Cd 226.502†	-66.4	15.4	0.2645 ug/L	0.2645 ppb	20:41:53
3	Co 228.616†	-14.1	8.3	0.2884 ug/L	0.2884 ppb	20:41:53
3	Cr 267.716†	-27.9	1.2	0.0243 ug/L	0.0243 ppb	20:41:53
3	Cu 324.752†	2593.2	-42.5	-0.3009 ug/L	-0.3009 ppb	20:41:33
3	Mn 257.610†	166.2	32.9	0.0871 ug/L	0.0871 ppb	20:41:53
3	Mo 202.031†	67.3	21.1	1.0936 ug/L	1.0936 ppb	20:41:53
3	Ni 231.604†	155.3	4.3	0.1657 ug/L	0.1657 ppb	20:41:53
3	P 214.914†	-124.4	-3.3	-3.3671 ug/L	-3.3671 ppb	20:41:53
3	Pb 220.353†	66.2	-2.0	-0.2934 ug/L	-0.2934 ppb	20:41:53
3	S 181.975 Axial†	53.2	6.9	8.8928 ug/L	8.8928 ppb	20:41:53
3	Sb 206.836†	38.3	13.4	6.3892 ug/L	6.3892 ppb	20:41:53
3	Se 196.026†	12.6	-5.4	-2.8726 ug/L	-2.8726 ppb	20:41:53
3	Si 251.611†	459.4	21.5	1.3965 ug/L	1.3965 ppb	20:41:53
3	Sn 189.927†	4.0	4.2	0.6374 ug/L	0.6374 ppb	20:41:53
3	Ti 334.940†	791.6	117.8	0.2668 ug/L	0.2668 ppb	20:41:33
3	Tl 190.801†	-23.8	0.2	0.0832 ug/L	0.0832 ppb	20:41:53
3	U 409.014†	-3.0	51.4	3.3817 ug/L	3.3817 ppb	20:41:33
3	V 292.402†	-215.0	-26.2	-0.2958 ug/L	-0.2958 ppb	20:41:33
3	Zn 213.857†	454.0	-0.3	-0.0019 ug/L	-0.0019 ppb	20:41:53
3	SiO2†	465.6	22.4	3.1559 ug/L	3.1559 ppb	20:42:54

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Sc 361.383	654196.1	100.09 %		0.349			0.35%
Sc Radial	12378.0	101 %		0.8			0.77%
Y 371.029	433742.6	100.31 %		0.303			0.30%
Y RADIAL	8629.1	101.5 %		0.42			0.41%
Ag 328.068†	-12.1	-0.1120 ug/L		0.05701	-0.1120 ppb	0.05701	50.92%
QC value within limits for Ag 328.068 Recovery = Not calculated							
Al 396.153Radial†	7.3	8.0157 ug/L		6.03928	8.0157 ppb	6.03928	75.34%
QC value within limits for Al 396.153Radial Recovery = Not calculated							
As 188.979†	-4.3	-2.3535 ug/L		1.43927	-2.3535 ppb	1.43927	61.15%
QC value within limits for As 188.979 Recovery = Not calculated							
B 249.677†	93.9	3.2714 ug/L		0.86517	3.2714 ppb	0.86517	26.45%
QC value within limits for B 249.677 Recovery = Not calculated							
Ba 233.527†	13.5	0.2556 ug/L		0.07310	0.2556 ppb	0.07310	28.60%
QC value within limits for Ba 233.527 Recovery = Not calculated							
Be 313.107†	117.1	0.0772 ug/L		0.01105	0.0772 ppb	0.01105	14.30%
QC value within limits for Be 313.107 Recovery = Not calculated							
Ca 317.933Radial†	10.1	13.673 ug/L		1.9316	13.673 ppb	1.9316	14.13%

QC value within limits for Ca 317.933 Radial Recovery = Not calculated									
Cd	226.502†	8.1	0.1373 ug/L	0.12636	0.1373	ppb	0.12636	92.03%	
QC value within limits for Cd 226.502 Recovery = Not calculated									
Co	228.616†	8.9	0.3082 ug/L	0.10043	0.3082	ppb	0.10043	32.58%	
QC value within limits for Co 228.616 Recovery = Not calculated									
Cr	267.716†	7.9	0.1665 ug/L	0.12409	0.1665	ppb	0.12409	74.54%	
QC value within limits for Cr 267.716 Recovery = Not calculated									
Cu	324.752†	-36.7	-0.2590 ug/L	0.16162	-0.2590	ppb	0.16162	62.39%	
QC value within limits for Cu 324.752 Recovery = Not calculated									
Fe	238.204 Radial†	0.5	4.0948 ug/L	14.50326	4.0948	ppb	14.50326	354.19%	
QC value within limits for Fe 238.204 Radial Recovery = Not calculated									
K	766.490 Radial†	27.8	5.2465 ug/L	9.14498	5.2465	ppb	9.14498	174.31%	
QC value within limits for K 766.490 Radial Recovery = Not calculated									
Mg	279.077 IEC†	0.5	10.990 ug/L	41.5173	10.990	ppb	41.5173	377.77%	
QC value within limits for Mg 279.077 IEC Recovery = Not calculated									
Mn	257.610†	45.0	0.1220 ug/L	0.03368	0.1220	ppb	0.03368	27.61%	
QC value within limits for Mn 257.610 Recovery = Not calculated									
Mo	202.031†	25.8	1.3338 ug/L	0.25000	1.3338	ppb	0.25000	18.74%	
QC value within limits for Mo 202.031 Recovery = Not calculated									
Na	589.592 Radial†	-738.5	-64.332 ug/L	3.2961	-64.332	ppb	3.2961	5.12%	
QC value within limits for Na 589.592 Radial Recovery = Not calculated									
Ni	231.604†	1.0	0.0387 ug/L	0.11540	0.0387	ppb	0.11540	298.23%	
QC value within limits for Ni 231.604 Recovery = Not calculated									
P	214.914†	-2.3	-2.3721 ug/L	1.52957	-2.3721	ppb	1.52957	64.48%	
QC value within limits for P 214.914 Recovery = Not calculated									
Pb	220.353†	1.3	0.2026 ug/L	0.45744	0.2026	ppb	0.45744	225.79%	
QC value within limits for Pb 220.353 Recovery = Not calculated									
S	181.975 Axial†	4.3	5.4673 ug/L	4.46186	5.4673	ppb	4.46186	81.61%	
QC value within limits for S 181.975 Axial Recovery = Not calculated									
Sb	206.836†	13.3	6.3515 ug/L	2.59503	6.3515	ppb	2.59503	40.86%	
QC value within limits for Sb 206.836 Recovery = Not calculated									
Se	196.026†	0.5	0.2614 ug/L	3.80108	0.2614	ppb	3.80108	>999.9%	
QC value within limits for Se 196.026 Recovery = Not calculated									
Si	251.611†	37.4	2.4370 ug/L	0.91684	2.4370	ppb	0.91684	37.62%	
QC value within limits for Si 251.611 Recovery = Not calculated									
Sn	189.927†	-1.1	-0.1644 ug/L	0.75402	-0.1644	ppb	0.75402	458.55%	
QC value within limits for Sn 189.927 Recovery = Not calculated									
Sr	421.552†	64.7	0.3015 ug/L	0.04616	0.3015	ppb	0.04616	15.31%	
QC value within limits for Sr 421.552 Recovery = Not calculated									
Ti	334.940†	166.7	0.3794 ug/L	0.09756	0.3794	ppb	0.09756	25.71%	
QC value within limits for Ti 334.940 Recovery = Not calculated									
Tl	190.801†	-3.7	-1.9661 ug/L	1.89518	-1.9661	ppb	1.89518	96.39%	
QC value within limits for Tl 190.801 Recovery = Not calculated									
U	409.014†	7.6	0.5008 ug/L	2.61843	0.5008	ppb	2.61843	522.87%	
QC value within limits for U 409.014 Recovery = Not calculated									
V	292.402†	3.5	0.0526 ug/L	0.44702	0.0526	ppb	0.44702	849.79%	
QC value within limits for V 292.402 Recovery = Not calculated									
Zn	213.857†	3.7	0.0530 ug/L	0.04931	0.0530	ppb	0.04931	92.98%	
QC value within limits for Zn 213.857 Recovery = Not calculated									
SiO2†		32.9	4.6451 ug/L	1.40435	4.6451	ppb	1.40435	30.23%	
QC value within limits for SiO2 Recovery = Not calculated									
All analyte(s) passed QC.									

Sequence No.: 2

Sample ID: 1201500001|719714|1

Analyst: JWJ

Initial Sample Wt:

Dilution:

Autosampler Location: 38

Date Collected: 1/22/2008 20:50:55

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1201500001|719714|1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12503.9	12503.9	102	%		20:52:49
1	Y RADIAL	8724.1	8724.1	102.6	%		20:52:49
1	Al 396.153Radial†	4.0	1.6	1.8241	ug/L	1.8241 ppb	20:53:09
1	Ca 317.933Radial†	44.0	8.0	10.832	ug/L	10.832 ppb	20:53:09
1	Fe 238.204 Radial†	30.8	-3.3	-26.627	ug/L	-26.627 ppb	20:53:09
1	K 766.490 Radial†	1251.3	23.1	4.3667	ug/L	4.3667 ppb	20:52:49
1	Mg 279.077 IEC†	-0.5	-0.4	-10.170	ug/L	-10.170 ppb	20:53:09
1	Na 589.592 Radial†	312.3	-845.2	-73.620	ug/L	-73.620 ppb	20:52:49
1	Sr 421.552†	46.4	4.0	0.0185	ug/L	0.0185 ppb	20:52:49
1	Sc 361.383	660373.7	660373.7	101.04	%		20:54:07
1	Y 371.029	436831.3	436831.3	101.02	%		20:54:07
1	Ag 328.068†	-2.3	14.4	0.1280	ug/L	0.1280 ppb	20:54:12
1	As 188.979†	-15.0	-5.8	-3.1298	ug/L	-3.1298 ppb	20:54:33
1	B 249.677†	339.0	50.3	1.7543	ug/L	1.7543 ppb	20:54:33
1	Ba 233.527†	-0.1	4.1	0.0764	ug/L	0.0764 ppb	20:54:33
1	Be 313.107†	-2086.0	-68.1	-0.0449	ug/L	-0.0449 ppb	20:54:12
1	Cd 226.502†	-89.9	-7.4	-0.1247	ug/L	-0.1247 ppb	20:54:33
1	Co 228.616†	-29.7	-6.9	-0.2376	ug/L	-0.2376 ppb	20:54:33
1	Cr 267.716†	-22.6	6.6	0.1404	ug/L	0.1404 ppb	20:54:33
1	Cu 324.752†	2557.9	-97.6	-0.6905	ug/L	-0.6905 ppb	20:54:12
1	Mn 257.610†	120.9	-13.3	-0.0392	ug/L	-0.0392 ppb	20:54:33
1	Mo 202.031†	52.2	5.7	0.2914	ug/L	0.2914 ppb	20:54:33
1	Ni 231.604†	152.7	0.6	0.0223	ug/L	0.0223 ppb	20:54:33
1	P 214.914†	-123.4	-1.4	-1.3687	ug/L	-1.3687 ppb	20:54:33
1	Pb 220.353†	66.7	-2.0	-0.2963	ug/L	-0.2963 ppb	20:54:33
1	S 181.975 Axial†	53.2	6.6	8.4407	ug/L	8.4407 ppb	20:54:33
1	Sb 206.836†	28.5	3.4	1.6136	ug/L	1.6136 ppb	20:54:33
1	Se 196.026†	20.6	2.4	1.2164	ug/L	1.2164 ppb	20:54:33
1	Si 251.611†	449.3	7.9	0.5161	ug/L	0.5161 ppb	20:54:33
1	Sn 189.927†	7.3	7.4	1.1294	ug/L	1.1294 ppb	20:54:33
1	Ti 334.940†	723.4	44.2	0.1025	ug/L	0.1025 ppb	20:54:12
1	Tl 190.801†	-29.3	-5.1	-2.7294	ug/L	-2.7294 ppb	20:54:33
1	U 409.014†	-89.1	-33.8	-2.2298	ug/L	-2.2298 ppb	20:54:12
1	V 292.402†	-216.2	-25.7	-0.3037	ug/L	-0.3037 ppb	20:54:12
1	Zn 213.857†	505.2	46.9	0.6870	ug/L	0.6870 ppb	20:54:33
1	SiO2†	465.9	19.1	2.6969	ug/L	2.6969 ppb	20:55:55
2	Sc Radial	12876.6	12876.6	105	%		20:53:14
2	Y RADIAL	8936.1	8936.1	105.1	%		20:53:14
2	Al 396.153Radial†	-0.9	-3.2	-3.9280	ug/L	-3.9280 ppb	20:53:34
2	Ca 317.933Radial†	42.2	5.1	6.8597	ug/L	6.8597 ppb	20:53:34
2	Fe 238.204 Radial†	31.1	-3.9	-31.659	ug/L	-31.659 ppb	20:53:34
2	K 766.490 Radial†	1246.2	-17.4	-3.2909	ug/L	-3.2909 ppb	20:53:14
2	Mg 279.077 IEC†	-3.0	-2.8	-64.923	ug/L	-64.923 ppb	20:53:34
2	Na 589.592 Radial†	286.5	-878.6	-76.536	ug/L	-76.536 ppb	20:53:14
2	Sr 421.552†	13.2	-29.0	-0.1356	ug/L	-0.1356 ppb	20:53:14
2	Sc 361.383	663638.9	663638.9	101.54	%		20:54:38
2	Y 371.029	438979.9	438979.9	101.52	%		20:54:38
2	Ag 328.068†	28.4	44.7	0.4104	ug/L	0.4104 ppb	20:54:43
2	As 188.979†	-13.0	-3.7	-2.0278	ug/L	-2.0278 ppb	20:55:04
2	B 249.677†	335.8	45.5	1.5868	ug/L	1.5868 ppb	20:55:04
2	Ba 233.527†	-3.6	0.6	0.0102	ug/L	0.0102 ppb	20:55:04
2	Be 313.107†	-2045.7	-18.3	-0.0121	ug/L	-0.0121 ppb	20:54:43
2	Cd 226.502†	-85.6	-2.7	-0.0407	ug/L	-0.0407 ppb	20:55:04
2	Co 228.616†	-15.4	7.3	0.2508	ug/L	0.2508 ppb	20:55:04
2	Cr 267.716†	-30.2	-0.7	-0.0158	ug/L	-0.0158 ppb	20:55:04
2	Cu 324.752†	2515.9	-151.4	-1.0702	ug/L	-1.0702 ppb	20:54:43
2	Mn 257.610†	118.6	-16.2	-0.0476	ug/L	-0.0476 ppb	20:55:04
2	Mo 202.031†	53.7	6.9	0.3531	ug/L	0.3531 ppb	20:55:04
2	Ni 231.604†	160.3	7.3	0.2794	ug/L	0.2794 ppb	20:55:04

2	P 214.914†	-113.0	9.5	9.7443 ug/L	9.7443 ppb	20:55:04
2	Pb 220.353†	63.3	-5.7	-0.8362 ug/L	-0.8362 ppb	20:55:04
2	S 181.975 Axial†	59.7	12.7	16.234 ug/L	16.234 ppb	20:55:04
2	Sb 206.836†	25.0	-0.2	-0.0938 ug/L	-0.0938 ppb	20:55:04
2	Se 196.026†	21.7	3.4	1.7357 ug/L	1.7357 ppb	20:55:04
2	Si 251.611†	455.4	11.8	0.7716 ug/L	0.7716 ppb	20:55:04
2	Sn 189.927†	1.3	1.5	0.2310 ug/L	0.2310 ppb	20:55:04
2	Ti 334.940†	742.2	59.2	0.1325 ug/L	0.1325 ppb	20:54:43
2	Tl 190.801†	-26.7	-2.4	-1.3028 ug/L	-1.3028 ppb	20:55:04
2	U 409.014†	22.9	76.9	5.0605 ug/L	5.0605 ppb	20:54:43
2	V 292.402†	-208.0	-16.6	-0.1825 ug/L	-0.1825 ppb	20:54:43
2	Zn 213.857†	501.8	41.1	0.6040 ug/L	0.6040 ppb	20:55:04
2	SiO2†	473.2	24.0	3.3875 ug/L	3.3875 ppb	20:56:15
3	Sc Radial	12498.5	12498.5	102 %		20:53:40
3	Y RADIAL	8714.1	8714.1	102.5 %		20:53:40
3	Al 396.153Radial†	-1.4	-3.6	-4.4970 ug/L	-4.4970 ppb	20:54:00
3	Ca 317.933Radial†	40.0	4.1	5.5259 ug/L	5.5259 ppb	20:54:00
3	Fe 238.204 Radial†	31.3	-2.8	-22.808 ug/L	-22.808 ppb	20:54:00
3	K 766.490 Radial†	1156.3	-69.7	-13.195 ug/L	-13.195 ppb	20:53:40
3	Mg 279.077 IEC†	-0.8	-0.7	-16.735 ug/L	-16.735 ppb	20:54:00
3	Na 589.592 Radial†	277.8	-879.0	-76.566 ug/L	-76.566 ppb	20:53:40
3	Sr 421.552†	11.8	-30.0	-0.1401 ug/L	-0.1401 ppb	20:53:40
3	Sc 361.383	665251.5	665251.5	101.79 %		20:55:09
3	Y 371.029	440143.7	440143.7	101.79 %		20:55:09
3	Ag 328.068†	4.8	21.4	0.1939 ug/L	0.1939 ppb	20:55:14
3	As 188.979†	-14.4	-5.1	-2.7728 ug/L	-2.7728 ppb	20:55:34
3	B 249.677†	349.9	58.6	2.0406 ug/L	2.0406 ppb	20:55:34
3	Ba 233.527†	-9.2	-4.9	-0.0943 ug/L	-0.0943 ppb	20:55:34
3	Be 313.107†	-2061.7	-29.1	-0.0192 ug/L	-0.0192 ppb	20:55:14
3	Cd 226.502†	-90.1	-6.9	-0.1161 ug/L	-0.1161 ppb	20:55:34
3	Co 228.616†	-17.6	5.2	0.1788 ug/L	0.1788 ppb	20:55:34
3	Cr 267.716†	-27.9	1.5	0.0322 ug/L	0.0322 ppb	20:55:34
3	Cu 324.752†	2537.2	-136.5	-0.9650 ug/L	-0.9650 ppb	20:55:14
3	Mn 257.610†	116.5	-18.5	-0.0528 ug/L	-0.0528 ppb	20:55:34
3	Mo 202.031†	55.0	8.1	0.4161 ug/L	0.4161 ppb	20:55:34
3	Ni 231.604†	150.8	-2.4	-0.0923 ug/L	-0.0923 ppb	20:55:34
3	P 214.914†	-122.6	0.4	0.4145 ug/L	0.4145 ppb	20:55:34
3	Pb 220.353†	75.9	6.5	0.9664 ug/L	0.9664 ppb	20:55:34
3	S 181.975 Axial†	56.5	9.4	12.034 ug/L	12.034 ppb	20:55:34
3	Sb 206.836†	27.9	2.6	1.2466 ug/L	1.2466 ppb	20:55:34
3	Se 196.026†	16.6	-1.7	-0.9520 ug/L	-0.9520 ppb	20:55:34
3	Si 251.611†	461.9	17.1	1.1165 ug/L	1.1165 ppb	20:55:34
3	Sn 189.927†	-0.4	-0.1	-0.0217 ug/L	-0.0217 ppb	20:55:34
3	Ti 334.940†	682.3	-1.5	-0.0019 ug/L	-0.0019 ppb	20:55:14
3	Tl 190.801†	-31.6	-7.2	-3.8439 ug/L	-3.8439 ppb	20:55:34
3	U 409.014†	-82.4	-26.6	-1.7495 ug/L	-1.7495 ppb	20:55:14
3	V 292.402†	-219.1	-27.0	-0.3184 ug/L	-0.3184 ppb	20:55:14
3	Zn 213.857†	500.3	38.5	0.5651 ug/L	0.5651 ppb	20:55:34
3	SiO2†	474.6	24.3	3.4268 ug/L	3.4268 ppb	20:56:35

Mean Data: 1201500001|719714|1

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	663088.0	101.45 %		0.380			0.37%
Sc Radial	12626.3	103 %		1.8			1.72%
Y 371.029	438651.7	101.45 %		0.389			0.38%
Y RADIAL	8791.4	103.4 %		1.47			1.43%
Ag 328.068†	26.8	0.2441 ug/L		0.14778	0.2441 ppb	0.14778	60.55%
Al 396.153Radial†	-1.7	-2.2003 ug/L		3.49686	-2.2003 ppb	3.49686	158.93%
As 188.979†	-4.9	-2.6435 ug/L		0.56225	-2.6435 ppb	0.56225	21.27%
B 249.677†	51.5	1.7939 ug/L		0.22948	1.7939 ppb	0.22948	12.79%
Ba 233.527†	-0.1	-0.0026 ug/L		0.08606	-0.0026 ppb	0.08606	>999.9%
Be 313.107†	-38.5	-0.0254 ug/L		0.01729	-0.0254 ppb	0.01729	68.06%
Ca 317.933Radial†	5.7	7.7391 ug/L		2.76008	7.7391 ppb	2.76008	35.66%
Cd 226.502†	-5.7	-0.0938 ug/L		0.04624	-0.0938 ppb	0.04624	49.29%
Co 228.616†	1.8	0.0640 ug/L		0.26366	0.0640 ppb	0.26366	412.18%
Cr 267.716†	2.5	0.0523 ug/L		0.08004	0.0523 ppb	0.08004	153.05%
Cu 324.752†	-128.5	-0.9086 ug/L		0.19608	-0.9086 ppb	0.19608	21.58%
Fe 238.204 Radial†	-3.3	-27.031 ug/L		4.4395	-27.031 ppb	4.4395	16.42%
K 766.490 Radial†	-21.3	-4.0397 ug/L		8.80470	-4.0397 ppb	8.80470	217.95%

Mg 279.077 IEC†	-1.3	-30.610 ug/L	29.8975	-30.610 ppb	29.8975	97.67%
Mn 257.610†	-16.0	-0.0466 ug/L	0.00688	-0.0466 ppb	0.00688	14.78%
Mo 202.031†	6.9	0.3535 ug/L	0.06237	0.3535 ppb	0.06237	17.64%
Na 589.592 Radial†	-867.6	-75.574 ug/L	1.6920	-75.574 ppb	1.6920	2.24%
Ni 231.604†	1.8	0.0698 ug/L	0.19034	0.0698 ppb	0.19034	272.79%
P 214.914†	2.8	2.9301 ug/L	5.96829	2.9301 ppb	5.96829	203.69%
Pb 220.353†	-0.4	-0.0554 ug/L	0.92514	-0.0554 ppb	0.92514	>999.9%
S 181.975 Axial†	9.6	12.236 ug/L	3.9005	12.236 ppb	3.9005	31.88%
Sb 206.836†	1.9	0.9221 ug/L	0.89878	0.9221 ppb	0.89878	97.47%
Se 196.026†	1.4	0.6667 ug/L	1.42569	0.6667 ppb	1.42569	213.85%
Si 251.611†	12.3	0.8014 ug/L	0.30131	0.8014 ppb	0.30131	37.60%
Sn 189.927†	2.9	0.4462 ug/L	0.60496	0.4462 ppb	0.60496	135.57%
Sr 421.552†	-18.3	-0.0857 ug/L	0.09027	-0.0857 ppb	0.09027	105.28%
Ti 334.940†	34.0	0.0777 ug/L	0.07056	0.0777 ppb	0.07056	90.83%
Tl 190.801†	-4.9	-2.6253 ug/L	1.27374	-2.6253 ppb	1.27374	48.52%
U 409.014†	5.5	0.3604 ug/L	4.07751	0.3604 ppb	4.07751	>999.9%
V 292.402†	-23.1	-0.2682 ug/L	0.07457	-0.2682 ppb	0.07457	27.80%
Zn 213.857†	42.1	0.6187 ug/L	0.06225	0.6187 ppb	0.06225	10.06%
SiO2†	22.5	3.1704 ug/L	0.41054	3.1704 ppb	0.41054	12.95%

Sequence No.: 3

Sample ID: 1201500002|719714|1

Analyst: JWJ

Initial Sample Wt:

Dilution:

Autosampler Location: 39

Date Collected: 1/22/2008 20:58:45

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1201500002|719714|1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12759.3	12759.3	104	%		21:00:39
1	Y RADIAL	8778.9	8778.9	103.3	%		21:00:39
1	Al 396.153Radial†	4254.0	4094.3	4636.1	ug/L	4636.1 ppb	21:00:39
1	Ca 317.933Radial†	3827.4	3650.5	4934.5	ug/L	4934.5 ppb	21:00:39
1	Fe 238.204 Radial†	651.3	593.7	4868.8	ug/L	4868.8 ppb	21:01:00
1	K 766.490 Radial†	28015.9	25772.4	4873.4	ug/L	4873.4 ppb	21:00:39
1	Mg 279.077 IEC†	214.9	207.1	4826.8	ug/L	4826.8 ppb	21:01:00
1	Na 589.592 Radial†	58549.1	55230.0	4810.9	ug/L	4810.9 ppb	21:00:39
1	Sr 421.552†	109194.7	105111.5	490.25	ug/L	490.25 ppb	21:00:39
1	Sc 361.383	666028.8	666028.8	101.90	%		21:02:00
1	Y 371.029	437002.1	437002.1	101.06	%		21:02:00
1	Ag 328.068†	52718.9	51750.2	486.74	ug/L	486.74 ppb	21:02:00
1	As 188.979†	892.3	884.7	481.50	ug/L	481.50 ppb	21:02:20
1	B 249.677†	14182.3	13632.0	474.97	ug/L	474.97 ppb	21:02:00
1	Ba 233.527†	26192.1	25706.7	488.68	ug/L	488.68 ppb	21:02:00
1	Be 313.107†	736417.8	724648.9	478.05	ug/L	478.05 ppb	21:02:00
1	Cd 226.502†	28568.3	28115.8	478.70	ug/L	478.70 ppb	21:02:00
1	Co 228.616†	14515.0	14266.1	491.39	ug/L	491.39 ppb	21:02:20
1	Cr 267.716†	23303.9	22897.2	485.70	ug/L	485.70 ppb	21:02:00
1	Cu 324.752†	72700.1	68712.0	485.42	ug/L	485.42 ppb	21:02:00
1	Mn 257.610†	184955.8	181365.6	490.09	ug/L	490.09 ppb	21:02:00
1	Mo 202.031†	9620.7	9394.8	486.49	ug/L	486.49 ppb	21:02:20
1	Ni 231.604†	13145.0	12748.7	486.47	ug/L	486.47 ppb	21:02:20
1	P 214.914†	370.2	484.1	482.65	ug/L	482.65 ppb	21:02:20
1	Pb 220.353†	3397.8	3266.2	483.00	ug/L	483.00 ppb	21:02:20
1	S 181.975 Axial†	3952.9	3833.0	4907.0	ug/L	4907.0 ppb	21:02:20
1	Sb 206.836†	1104.0	1058.5	503.45	ug/L	503.45 ppb	21:02:20
1	Se 196.026†	924.0	888.8	478.45	ug/L	478.45 ppb	21:02:20
1	Si 251.611†	74093.6	72271.9	4754.8	ug/L	4754.8 ppb	21:02:00
1	Sn 189.927†	3314.4	3252.6	493.26	ug/L	493.26 ppb	21:02:20
1	Ti 334.940†	221554.3	216741.1	491.82	ug/L	491.82 ppb	21:02:00
1	Tl 190.801†	899.7	906.8	485.97	ug/L	485.97 ppb	21:02:20
1	U 409.014†	7557.9	7471.0	488.33	ug/L	488.33 ppb	21:02:00
1	V 292.402†	41637.1	41047.1	491.84	ug/L	491.84 ppb	21:02:00
1	Zn 213.857†	33860.8	32774.8	471.54	ug/L	471.54 ppb	21:02:00
1	SiO2†	74690.9	72852.7	10277	ug/L	10277 ppb	21:03:21
2	Sc Radial	12645.0	12645.0	103	%		21:01:05
2	Y RADIAL	8727.3	8727.3	102.6	%		21:01:05
2	Al 396.153Radial†	4245.1	4122.7	4671.0	ug/L	4671.0 ppb	21:01:05
2	Ca 317.933Radial†	3796.7	3654.1	4939.3	ug/L	4939.3 ppb	21:01:05
2	Fe 238.204 Radial†	656.5	604.4	4955.9	ug/L	4955.9 ppb	21:01:25
2	K 766.490 Radial†	27771.5	25778.8	4874.6	ug/L	4874.6 ppb	21:01:05
2	Mg 279.077 IEC†	214.9	208.9	4868.9	ug/L	4868.9 ppb	21:01:25
2	Na 589.592 Radial†	58155.2	55356.7	4821.9	ug/L	4821.9 ppb	21:01:05
2	Sr 421.552†	108357.3	105248.0	490.89	ug/L	490.89 ppb	21:01:05
2	Sc 361.383	671883.2	671883.2	102.80	%		21:02:27
2	Y 371.029	441017.4	441017.4	101.99	%		21:02:27
2	Ag 328.068†	53209.8	51776.9	487.01	ug/L	487.01 ppb	21:02:27
2	As 188.979†	893.3	878.1	477.93	ug/L	477.93 ppb	21:02:48
2	B 249.677†	14368.6	13692.0	477.06	ug/L	477.06 ppb	21:02:27
2	Ba 233.527†	26479.2	25762.0	489.73	ug/L	489.73 ppb	21:02:27
2	Be 313.107†	743942.0	725671.2	478.72	ug/L	478.72 ppb	21:02:27
2	Cd 226.502†	28796.2	28093.3	478.31	ug/L	478.31 ppb	21:02:27
2	Co 228.616†	14536.0	14162.4	487.82	ug/L	487.82 ppb	21:02:48
2	Cr 267.716†	23518.3	22906.6	485.90	ug/L	485.90 ppb	21:02:27
2	Cu 324.752†	73493.3	68861.9	486.49	ug/L	486.49 ppb	21:02:27
2	Mn 257.610†	186519.1	181304.8	489.93	ug/L	489.93 ppb	21:02:27
2	Mo 202.031†	9651.0	9342.0	483.76	ug/L	483.76 ppb	21:02:48
2	Ni 231.604†	13178.4	12668.8	483.42	ug/L	483.42 ppb	21:02:48

2	P 214.914†	359.4	470.4	468.61 ug/L	468.61 ppb	21:02:48
2	Pb 220.353†	3391.4	3231.0	477.79 ug/L	477.79 ppb	21:02:48
2	S 181.975 Axial†	3954.3	3800.5	4865.4 ug/L	4865.4 ppb	21:02:48
2	Sb 206.836†	1105.4	1050.5	499.57 ug/L	499.57 ppb	21:02:48
2	Se 196.026†	921.3	878.2	473.08 ug/L	473.08 ppb	21:02:48
2	Si 251.611†	74726.4	72253.9	4753.7 ug/L	4753.7 ppb	21:02:27
2	Sn 189.927†	3319.8	3229.6	489.76 ug/L	489.76 ppb	21:02:48
2	Ti 334.940†	223731.3	216964.4	492.33 ug/L	492.33 ppb	21:02:27
2	Tl 190.801†	891.3	891.0	477.48 ug/L	477.48 ppb	21:02:48
2	U 409.014†	7657.1	7502.9	490.43 ug/L	490.43 ppb	21:02:27
2	V 292.402†	42141.3	41181.5	493.41 ug/L	493.41 ppb	21:02:27
2	Zn 213.857†	34178.6	32794.4	471.82 ug/L	471.82 ppb	21:02:27
2	SiO2†	74702.4	72225.2	10189 ug/L	10189 ppb	21:03:26
3	Sc Radial	12605.4	12605.4	103 %		21:01:31
3	Y RADIAL	8687.0	8687.0	102.2 %		21:01:31
3	Al 396.153Radial†	4234.2	4125.0	4674.6 ug/L	4674.6 ppb	21:01:31
3	Ca 317.933Radial†	3788.1	3657.2	4943.6 ug/L	4943.6 ppb	21:01:31
3	Fe 238.204 Radial†	655.7	605.6	4965.7 ug/L	4965.7 ppb	21:01:51
3	K 766.490 Radial†	27632.6	25728.0	4865.0 ug/L	4865.0 ppb	21:01:31
3	Mg 279.077 IEC†	214.0	208.7	4864.3 ug/L	4864.3 ppb	21:01:51
3	Na 589.592 Radial†	57953.4	55337.3	4820.2 ug/L	4820.2 ppb	21:01:31
3	Sr 421.552†	107996.1	105226.2	490.79 ug/L	490.79 ppb	21:01:31
3	Sc 361.383	670252.2	670252.2	102.55 %		21:02:55
3	Y 371.029	440025.8	440025.8	101.76 %		21:02:55
3	Ag 328.068†	53105.3	51801.0	487.24 ug/L	487.24 ppb	21:02:55
3	As 188.979†	882.4	869.5	473.29 ug/L	473.29 ppb	21:03:15
3	B 249.677†	14335.6	13693.8	477.12 ug/L	477.12 ppb	21:02:55
3	Ba 233.527†	26389.2	25736.9	489.25 ug/L	489.25 ppb	21:02:55
3	Be 313.107†	741316.2	724871.7	478.19 ug/L	478.19 ppb	21:02:55
3	Cd 226.502†	28735.9	28102.6	478.47 ug/L	478.47 ppb	21:02:55
3	Co 228.616†	14429.7	14093.2	485.44 ug/L	485.44 ppb	21:03:15
3	Cr 267.716†	23493.7	22938.3	486.57 ug/L	486.57 ppb	21:02:55
3	Cu 324.752†	73215.6	68765.1	485.80 ug/L	485.80 ppb	21:02:55
3	Mn 257.610†	185881.0	181124.2	489.45 ug/L	489.45 ppb	21:02:55
3	Mo 202.031†	9585.8	9301.4	481.66 ug/L	481.66 ppb	21:03:15
3	Ni 231.604†	13081.1	12605.1	480.99 ug/L	480.99 ppb	21:03:15
3	P 214.914†	361.2	473.0	471.21 ug/L	471.21 ppb	21:03:15
3	Pb 220.353†	3377.7	3225.7	477.00 ug/L	477.00 ppb	21:03:15
3	S 181.975 Axial†	3932.6	3788.7	4850.3 ug/L	4850.3 ppb	21:03:15
3	Sb 206.836†	1093.2	1041.2	495.10 ug/L	495.10 ppb	21:03:15
3	Se 196.026†	904.0	863.6	465.37 ug/L	465.37 ppb	21:03:15
3	Si 251.611†	74573.1	72281.3	4755.6 ug/L	4755.6 ppb	21:02:55
3	Sn 189.927†	3297.1	3215.3	487.60 ug/L	487.60 ppb	21:03:15
3	Ti 334.940†	223072.2	216851.3	492.07 ug/L	492.07 ppb	21:02:55
3	Tl 190.801†	888.2	890.0	476.98 ug/L	476.98 ppb	21:03:15
3	U 409.014†	7612.1	7477.2	488.74 ug/L	488.74 ppb	21:02:55
3	V 292.402†	42003.5	41146.9	492.98 ug/L	492.98 ppb	21:02:55
3	Zn 213.857†	34075.1	32774.3	471.55 ug/L	471.55 ppb	21:02:55
3	SiO2†	74782.2	72479.9	10224 ug/L	10224 ppb	21:03:32

Mean Data: 1201500002|719714|1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	669388.1	102.42 %	0.462			0.45%
Sc Radial	12669.9	103 %	0.7			0.63%
Y 371.029	439348.4	101.61 %	0.484			0.48%
Y RADIAL	8731.1	102.7 %	0.54			0.53%
Ag 328.068†	51776.0	487.00 ug/L	0.249	487.00 ppb	0.249	0.05%
Al 396.153Radial†	4114.0	4660.6 ug/L	21.24	4660.6 ppb	21.24	0.46%
As 188.979†	877.4	477.57 ug/L	4.115	477.57 ppb	4.115	0.86%
B 249.677†	13672.6	476.38 ug/L	1.225	476.38 ppb	1.225	0.26%
Ba 233.527†	25735.2	489.22 ug/L	0.527	489.22 ppb	0.527	0.11%
Be 313.107†	725063.9	478.32 ug/L	0.355	478.32 ppb	0.355	0.07%
Ca 317.933Radial†	3653.9	4939.1 ug/L	4.55	4939.1 ppb	4.55	0.09%
Cd 226.502†	28103.9	478.49 ug/L	0.197	478.49 ppb	0.197	0.04%
Co 228.616†	14173.9	488.22 ug/L	2.999	488.22 ppb	2.999	0.61%
Cr 267.716†	22914.0	486.06 ug/L	0.456	486.06 ppb	0.456	0.09%
Cu 324.752†	68779.7	485.90 ug/L	0.538	485.90 ppb	0.538	0.11%
Fe 238.204 Radial†	601.3	4930.1 ug/L	53.33	4930.1 ppb	53.33	1.08%
K 766.490 Radial†	25759.7	4871.0 ug/L	5.23	4871.0 ppb	5.23	0.11%

Mg 279.077 IEC†	208.2	4853.3 ug/L	23.06	4853.3 ppb	23.06	0.48%
Mn 257.610†	181264.9	489.82 ug/L	0.334	489.82 ppb	0.334	0.07%
Mo 202.031†	9346.1	483.97 ug/L	2.423	483.97 ppb	2.423	0.50%
Na 589.592 Radial†	55308.0	4817.7 ug/L	5.95	4817.7 ppb	5.95	0.12%
Ni 231.604†	12674.2	483.63 ug/L	2.746	483.63 ppb	2.746	0.57%
P 214.914†	475.8	474.16 ug/L	7.466	474.16 ppb	7.466	1.57%
Pb 220.353†	3240.9	479.26 ug/L	3.265	479.26 ppb	3.265	0.68%
S 181.975 Axial†	3807.4	4874.2 ug/L	29.36	4874.2 ppb	29.36	0.60%
Sb 206.836†	1050.1	499.37 ug/L	4.179	499.37 ppb	4.179	0.84%
Se 196.026†	876.9	472.30 ug/L	6.576	472.30 ppb	6.576	1.39%
Si 251.611†	72269.0	4754.7 ug/L	0.93	4754.7 ppb	0.93	0.02%
Sn 189.927†	3232.5	490.20 ug/L	2.854	490.20 ppb	2.854	0.58%
Sr 421.552†	105195.2	490.64 ug/L	0.342	490.64 ppb	0.342	0.07%
Ti 334.940†	216852.3	492.08 ug/L	0.253	492.08 ppb	0.253	0.05%
Tl 190.801†	895.9	480.14 ug/L	5.052	480.14 ppb	5.052	1.05%
U 409.014†	7483.7	489.17 ug/L	1.113	489.17 ppb	1.113	0.23%
V 292.402†	41125.2	492.74 ug/L	0.811	492.74 ppb	0.811	0.16%
Zn 213.857†	32781.2	471.64 ug/L	0.162	471.64 ppb	0.162	0.03%
SiO2†	72519.3	10230 ug/L	44.5	10230 ppb	44.5	0.44%

Sequence No.: 4

Sample ID: 201226001|719714|1

Analyst: JWJ

Initial Sample Wt:

Dilution:

Autosampler Location: 40

Date Collected: 1/22/2008 21:05:41

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 201226001|719714|1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12688.3	12688.3	103 %		21:07:35
1	Y RADIAL	9140.1	9140.1	107.5 %		21:07:35
1	Al 396.153Radial†	20402.6	19755.0	23406 ug/L	23406 ppb	21:07:35
1	Ca 317.933Radial†	15967.1	15426.9	20853 ug/L	20853 ppb	21:07:35
1	Fe 238.204 Radial†	3108.9	2977.0	24264 ug/L	24264 ppb	21:07:56
1	K 766.490 Radial†	20481.5	18627.1	3516.0 ug/L	3516.0 ppb	21:07:35
1	Mg 279.077 IEC†	197.4	191.3	4458.7 ug/L	4458.7 ppb	21:07:56
1	Na 589.592 Radial†	160506.6	154277.7	13439 ug/L	13439 ppb	21:07:35
1	Sr 421.552†	26345.3	25470.4	118.18 ug/L	118.18 ppb	21:07:35
1	Sc 361.383	664599.9	664599.9	101.69 %		21:08:55
1	Y 371.029	455474.4	455474.4	105.34 %		21:08:55
1	Ag 328.068†	-444.1	-420.1	-0.3674 ug/L	-0.3674 ppb	21:08:55
1	As 188.979†	31.4	39.9	23.069 ug/L	23.069 ppb	21:09:15
1	B 249.677†	961.4	660.2	23.004 ug/L	23.004 ppb	21:08:55
1	Ba 233.527†	5155.8	5074.4	96.355 ug/L	96.355 ppb	21:09:15
1	Be 313.107†	2369.9	4327.0	2.8545 ug/L	2.8545 ppb	21:08:55
1	Cd 226.502†	144.2	223.4	1.5199 ug/L	1.5199 ppb	21:09:15
1	Co 228.616†	221.0	239.8	7.6930 ug/L	7.6930 ppb	21:09:15
1	Cr 267.716†	1314.2	1321.4	28.047 ug/L	28.047 ppb	21:09:15
1	Cu 324.752†	4697.0	1990.0	15.033 ug/L	15.033 ppb	21:08:55
1	Mn 257.610†	78946.6	77504.6	212.27 ug/L	212.27 ppb	21:08:55
1	Mo 202.031†	70.0	22.8	2.2979 ug/L	2.2979 ppb	21:09:15
1	Ni 231.604†	733.8	571.1	21.809 ug/L	21.809 ppb	21:09:15
1	P 214.914†	79.0	198.5	182.31 ug/L	182.31 ppb	21:09:15
1	Pb 220.353†	179.4	108.4	15.801 ug/L	15.801 ppb	21:09:15
1	S 181.975 Axial†	25236.0	24771.4	31714 ug/L	31714 ppb	21:08:55
1	Sb 206.836†	34.1	8.7	3.3006 ug/L	3.3006 ppb	21:09:15
1	Se 196.026†	-75.1	-91.8	4.3599 ug/L	4.3599 ppb	21:09:15
1	Si 251.611†	532215.4	522953.1	34473 ug/L	34473 ppb	21:08:55
1	Sn 189.927†	190.1	187.1	29.026 ug/L	29.026 ppb	21:09:15
1	Ti 334.940†	59251.4	57597.0	132.99 ug/L	132.99 ppb	21:08:55
1	Tl 190.801†	-15.7	8.5	4.2814 ug/L	4.2814 ppb	21:09:15
1	U 409.014†	-823.0	-754.9	-54.088 ug/L	-54.088 ppb	21:08:55
1	V 292.402†	3674.3	3801.6	42.753 ug/L	42.753 ppb	21:09:15
1	Zn 213.857†	4351.0	3825.8	51.430 ug/L	51.430 ppb	21:09:15
1	SiO2†	539463.6	530075.8	74776 ug/L	74776 ppb	21:10:14
2	Sc Radial	12835.1	12835.1	104 %		21:08:01
2	Y RADIAL	9272.2	9272.2	109.1 %		21:08:01
2	Al 396.153Radial†	20712.1	19825.4	23490 ug/L	23490 ppb	21:08:01
2	Ca 317.933Radial†	16136.8	15412.6	20834 ug/L	20834 ppb	21:08:01
2	Fe 238.204 Radial†	3084.4	2919.2	23792 ug/L	23792 ppb	21:08:21
2	K 766.490 Radial†	20728.6	18637.0	3517.9 ug/L	3517.9 ppb	21:08:01
2	Mg 279.077 IEC†	196.7	188.4	4392.1 ug/L	4392.1 ppb	21:08:21
2	Na 589.592 Radial†	162653.9	154556.4	13463 ug/L	13463 ppb	21:08:01
2	Sr 421.552†	26764.5	25580.1	118.69 ug/L	118.69 ppb	21:08:01
2	Sc 361.383	665390.2	665390.2	101.81 %		21:09:21
2	Y 371.029	456000.2	456000.2	105.46 %		21:09:21
2	Ag 328.068†	-454.8	-430.0	-0.5234 ug/L	-0.5234 ppb	21:09:21
2	As 188.979†	22.4	31.0	18.193 ug/L	18.193 ppb	21:09:41
2	B 249.677†	981.5	678.8	23.652 ug/L	23.652 ppb	21:09:21
2	Ba 233.527†	5173.1	5085.4	96.563 ug/L	96.563 ppb	21:09:41
2	Be 313.107†	2332.0	4287.0	2.8281 ug/L	2.8281 ppb	21:09:21
2	Cd 226.502†	145.9	224.9	1.5925 ug/L	1.5925 ppb	21:09:41
2	Co 228.616†	220.0	238.5	7.6585 ug/L	7.6585 ppb	21:09:41
2	Cr 267.716†	1306.3	1312.1	27.852 ug/L	27.852 ppb	21:09:41
2	Cu 324.752†	4702.1	1989.5	15.010 ug/L	15.010 ppb	21:09:21
2	Mn 257.610†	78931.5	77397.5	211.92 ug/L	211.92 ppb	21:09:21
2	Mo 202.031†	71.6	24.3	2.3519 ug/L	2.3519 ppb	21:09:41
2	Ni 231.604†	727.6	564.1	21.545 ug/L	21.545 ppb	21:09:41

2	P 214.914†	74.3	193.8	178.10 ug/L	178.10 ppb	21:09:41
2	Pb 220.353†	175.9	104.7	15.291 ug/L	15.291 ppb	21:09:41
2	S 181.975 Axial†	25113.7	24621.8	31523 ug/L	31523 ppb	21:09:21
2	Sb 206.836†	27.8	2.5	0.3470 ug/L	0.3470 ppb	21:09:41
2	Se 196.026†	-69.7	-86.5	6.1695 ug/L	6.1695 ppb	21:09:41
2	Si 251.611†	532867.2	522971.7	34474 ug/L	34474 ppb	21:09:21
2	Sn 189.927†	197.0	193.7	30.025 ug/L	30.025 ppb	21:09:41
2	Ti 334.940†	59326.0	57601.2	133.00 ug/L	133.00 ppb	21:09:21
2	Tl 190.801†	-25.8	-1.4	-1.0162 ug/L	-1.0162 ppb	21:09:41
2	U 409.014†	-730.7	-663.4	-48.055 ug/L	-48.055 ppb	21:09:21
2	V 292.402†	3657.5	3780.8	42.562 ug/L	42.562 ppb	21:09:41
2	Zn 213.857†	4378.6	3847.8	51.824 ug/L	51.824 ppb	21:09:41
2	SiO2†	538131.9	528137.7	74502 ug/L	74502 ppb	21:10:20
3	Sc Radial	12759.1	12759.1	104 %		21:08:27
3	Y RADIAL	9173.8	9173.8	107.9 %		21:08:27
3	Al 396.153Radial†	20484.2	19723.9	23370 ug/L	23370 ppb	21:08:27
3	Ca 317.933Radial†	16043.5	15414.7	20836 ug/L	20836 ppb	21:08:27
3	Fe 238.204 Radial†	3072.7	2925.5	23844 ug/L	23844 ppb	21:08:47
3	K 766.490 Radial†	20612.7	18643.5	3519.1 ug/L	3519.1 ppb	21:08:27
3	Mg 279.077 IEC†	193.8	186.8	4353.2 ug/L	4353.2 ppb	21:08:47
3	Na 589.592 Radial†	161101.5	153988.2	13413 ug/L	13413 ppb	21:08:27
3	Sr 421.552†	26467.8	25446.8	118.07 ug/L	118.07 ppb	21:08:27
3	Sc 361.383	660980.1	660980.1	101.13 %		21:09:47
3	Y 371.029	453365.1	453365.1	104.85 %		21:09:47
3	Ag 328.068†	-441.7	-420.0	-0.4217 ug/L	-0.4217 ppb	21:09:47
3	As 188.979†	29.3	38.0	22.007 ug/L	22.007 ppb	21:10:08
3	B 249.677†	987.4	691.1	24.081 ug/L	24.081 ppb	21:09:47
3	Ba 233.527†	5174.9	5121.1	97.239 ug/L	97.239 ppb	21:10:08
3	Be 313.107†	2366.8	4336.7	2.8609 ug/L	2.8609 ppb	21:09:47
3	Cd 226.502†	136.2	216.2	1.4388 ug/L	1.4388 ppb	21:10:08
3	Co 228.616†	219.0	238.9	7.6718 ug/L	7.6718 ppb	21:10:08
3	Cr 267.716†	1313.5	1327.8	28.183 ug/L	28.183 ppb	21:10:08
3	Cu 324.752†	4673.1	1991.6	15.027 ug/L	15.027 ppb	21:09:47
3	Mn 257.610†	78438.1	77426.9	212.01 ug/L	212.01 ppb	21:09:47
3	Mo 202.031†	59.0	12.4	1.7369 ug/L	1.7369 ppb	21:10:08
3	Ni 231.604†	735.9	577.1	22.040 ug/L	22.040 ppb	21:10:08
3	P 214.914†	75.6	195.6	179.82 ug/L	179.82 ppb	21:10:08
3	Pb 220.353†	166.1	96.2	14.023 ug/L	14.023 ppb	21:10:08
3	S 181.975 Axial†	24928.8	24603.6	31499 ug/L	31499 ppb	21:09:47
3	Sb 206.836†	29.5	4.3	1.2038 ug/L	1.2038 ppb	21:10:08
3	Se 196.026†	-84.8	-101.8	-1.7893 ug/L	-1.7893 ppb	21:10:08
3	Si 251.611†	528787.9	522430.4	34438 ug/L	34438 ppb	21:09:47
3	Sn 189.927†	190.2	188.3	29.197 ug/L	29.197 ppb	21:10:08
3	Ti 334.940†	58952.6	57620.7	133.04 ug/L	133.04 ppb	21:09:47
3	Tl 190.801†	-15.1	9.0	4.5556 ug/L	4.5556 ppb	21:10:08
3	U 409.014†	-780.3	-717.2	-51.597 ug/L	-51.597 ppb	21:09:47
3	V 292.402†	3653.0	3800.4	42.778 ug/L	42.778 ppb	21:10:08
3	Zn 213.857†	4384.2	3882.0	52.312 ug/L	52.312 ppb	21:10:08
3	SiO2†	542363.9	535849.1	75590 ug/L	75590 ppb	21:10:26

Mean Data: 201226001|719714|1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	663656.7	101.54 %	0.360			0.35%
Sc Radial	12760.8	104 %	0.6			0.58%
Y 371.029	454946.6	105.21 %	0.323			0.31%
Y RADIAL	9195.4	108.2 %	0.81			0.75%
Ag 328.068†	-423.3	-0.4375 ug/L	0.07918	-0.4375 ppb	0.07918	18.10%
Al 396.153Radial†	19768.1	23422 ug/L	61.5	23422 ppb	61.5	0.26%
As 188.979†	36.3	21.090 ug/L	2.5640	21.090 ppb	2.5640	12.16%
B 249.677†	676.7	23.579 ug/L	0.5421	23.579 ppb	0.5421	2.30%
Ba 233.527†	5093.7	96.719 ug/L	0.4625	96.719 ppb	0.4625	0.48%
Be 313.107†	4316.9	2.8478 ug/L	0.01738	2.8478 ppb	0.01738	0.61%
Ca 317.933Radial†	15418.0	20841 ug/L	10.4	20841 ppb	10.4	0.05%
Cd 226.502†	221.5	1.5171 ug/L	0.07689	1.5171 ppb	0.07689	5.07%
Co 228.616†	239.1	7.6744 ug/L	0.01737	7.6744 ppb	0.01737	0.23%
Cr 267.716†	1320.4	28.027 ug/L	0.1668	28.027 ppb	0.1668	0.60%
Cu 324.752†	1990.3	15.024 ug/L	0.0117	15.024 ppb	0.0117	0.08%
Fe 238.204 Radial†	2940.6	23967 ug/L	258.7	23967 ppb	258.7	1.08%
K 766.490 Radial†	18635.9	3517.6 ug/L	1.56	3517.6 ppb	1.56	0.04%

Mg 279.077 IEC†	188.8	4401.3 ug/L	53.38	4401.3 ppb	53.38	1.21%
Mn 257.610†	77443.0	212.07 ug/L	0.182	212.07 ppb	0.182	0.09%
Mo 202.031†	19.8	2.1289 ug/L	0.34053	2.1289 ppb	0.34053	16.00%
Na 589.592 Radial†	154274.1	13438 ug/L	24.8	13438 ppb	24.8	0.18%
Ni 231.604†	570.8	21.798 ug/L	0.2476	21.798 ppb	0.2476	1.14%
P 214.914†	195.9	180.08 ug/L	2.118	180.08 ppb	2.118	1.18%
Pb 220.353†	103.1	15.038 ug/L	0.9156	15.038 ppb	0.9156	6.09%
S 181.975 Axial†	24665.6	31579 ug/L	117.9	31579 ppb	117.9	0.37%
Sb 206.836†	5.2	1.6171 ug/L	1.51952	1.6171 ppb	1.51952	93.96%
Se 196.026†	-93.4	2.9134 ug/L	4.17194	2.9134 ppb	4.17194	143.20%
Si 251.611†	522785.1	34462 ug/L	20.3	34462 ppb	20.3	0.06%
Sn 189.927†	189.7	29.416 ug/L	0.5342	29.416 ppb	0.5342	1.82%
Sr 421.552†	25499.1	118.31 ug/L	0.332	118.31 ppb	0.332	0.28%
Ti 334.940†	57606.3	133.01 ug/L	0.028	133.01 ppb	0.028	0.02%
Tl 190.801†	5.4	2.6069 ug/L	3.14068	2.6069 ppb	3.14068	120.47%
U 409.014†	-711.8	-51.247 ug/L	3.0316	-51.247 ppb	3.0316	5.92%
V 292.402†	3794.3	42.698 ug/L	0.1183	42.698 ppb	0.1183	0.28%
Zn 213.857†	3851.8	51.855 ug/L	0.4422	51.855 ppb	0.4422	0.85%
SiO2†	531354.2	74956 ug/L	565.9	74956 ppb	565.9	0.75%

Sequence No.: 5
 Sample ID: 1201500003|719714|1
 Analyst: JWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 41
 Date Collected: 1/22/2008 21:12:36
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 1201500003|719714|1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc Radial	12838.6	12838.6	104	%			21:14:36
1	Y RADIAL	9262.7	9262.7	108.9	%			21:14:36
1	Al 396.153Radial†	21910.1	20966.4	24842	ug/L	24842	ppb	21:14:36
1	Ca 317.933Radial†	16373.2	15634.5	21134	ug/L	21134	ppb	21:14:36
1	Fe 238.204 Radial†	3157.2	2988.1	24354	ug/L	24354	ppb	21:14:56
1	K 766.490 Radial†	21160.7	19045.0	3594.9	ug/L	3594.9	ppb	21:14:30
1	Mg 279.077 IEC†	201.4	192.8	4494.4	ug/L	4494.4	ppb	21:14:56
1	Na 589.592 Radial†	163987.2	155789.6	13570	ug/L	13570	ppb	21:14:30
1	Sr 421.552†	27185.6	25976.0	120.53	ug/L	120.53	ppb	21:14:36
1	Sc 361.383	667195.1	667195.1	102.08	%			21:16:05
1	Y 371.029	457161.2	457161.2	105.73	%			21:16:05
1	Ag 328.068†	-472.9	-446.6	-0.5916	ug/L	-0.5916	ppb	21:16:05
1	As 188.979†	28.4	36.9	21.433	ug/L	21.433	ppb	21:16:25
1	B 249.677†	970.7	665.7	23.194	ug/L	23.194	ppb	21:16:05
1	Ba 233.527†	5261.7	5158.4	97.950	ug/L	97.950	ppb	21:16:25
1	Be 313.107†	2383.9	4331.7	2.8576	ug/L	2.8576	ppb	21:16:05
1	Cd 226.502†	136.6	215.4	1.3756	ug/L	1.3756	ppb	21:16:25
1	Co 228.616†	227.4	245.1	7.8729	ug/L	7.8729	ppb	21:16:25
1	Cr 267.716†	1375.8	1376.7	29.221	ug/L	29.221	ppb	21:16:25
1	Cu 324.752†	4681.2	1956.5	14.800	ug/L	14.800	ppb	21:16:05
1	Mn 257.610†	80560.4	78783.4	215.74	ug/L	215.74	ppb	21:16:05
1	Mo 202.031†	53.0	5.9	1.4277	ug/L	1.4277	ppb	21:16:25
1	Ni 231.604†	739.7	574.0	21.922	ug/L	21.922	ppb	21:16:25
1	P 214.914†	72.7	192.0	176.12	ug/L	176.12	ppb	21:16:25
1	Pb 220.353†	186.3	114.5	16.789	ug/L	16.789	ppb	21:16:25
1	S 181.975 Axial†	25618.7	25049.8	32070	ug/L	32070	ppb	21:16:05
1	Sb 206.836†	35.8	10.2	3.9774	ug/L	3.9774	ppb	21:16:25
1	Se 196.026†	-87.5	-103.7	-1.7071	ug/L	-1.7071	ppb	21:16:25
1	Si 251.611†	566244.5	554251.9	36536	ug/L	36536	ppb	21:16:05
1	Sn 189.927†	194.0	190.3	29.506	ug/L	29.506	ppb	21:16:25
1	Ti 334.940†	62987.8	61030.6	140.81	ug/L	140.81	ppb	21:16:05
1	Tl 190.801†	-17.2	7.1	3.5194	ug/L	3.5194	ppb	21:16:25
1	U 409.014†	-822.2	-751.1	-53.897	ug/L	-53.897	ppb	21:16:05
1	V 292.402†	3799.9	3910.6	44.033	ug/L	44.033	ppb	21:16:25
1	Zn 213.857†	4411.3	3868.2	52.029	ug/L	52.029	ppb	21:16:25
1	SiO2†	565937.3	553945.8	78143	ug/L	78143	ppb	21:17:24
2	Sc Radial	12689.8	12689.8	103	%			21:15:06
2	Y RADIAL	9194.0	9194.0	108.1	%			21:15:06
2	Al 396.153Radial†	21785.8	21091.9	24991	ug/L	24991	ppb	21:15:06
2	Ca 317.933Radial†	16245.8	15694.9	21215	ug/L	21215	ppb	21:15:06
2	Fe 238.204 Radial†	3186.6	3051.9	24875	ug/L	24875	ppb	21:15:26
2	K 766.490 Radial†	21503.4	19614.2	3702.6	ug/L	3702.6	ppb	21:15:01
2	Mg 279.077 IEC†	201.9	195.6	4558.5	ug/L	4558.5	ppb	21:15:26
2	Na 589.592 Radial†	165713.5	159300.9	13876	ug/L	13876	ppb	21:15:01
2	Sr 421.552†	26932.6	26036.0	120.81	ug/L	120.81	ppb	21:15:06
2	Sc 361.383	663523.9	663523.9	101.52	%			21:16:31
2	Y 371.029	455103.4	455103.4	105.25	%			21:16:31
2	Ag 328.068†	-468.9	-445.1	-0.5075	ug/L	-0.5075	ppb	21:16:31
2	As 188.979†	26.7	35.3	20.631	ug/L	20.631	ppb	21:16:52
2	B 249.677†	956.7	657.1	22.897	ug/L	22.897	ppb	21:16:31
2	Ba 233.527†	5278.7	5203.7	98.811	ug/L	98.811	ppb	21:16:52
2	Be 313.107†	2367.7	4328.6	2.8556	ug/L	2.8556	ppb	21:16:31
2	Cd 226.502†	140.4	219.9	1.4049	ug/L	1.4049	ppb	21:16:52
2	Co 228.616†	221.0	240.1	7.6892	ug/L	7.6892	ppb	21:16:52
2	Cr 267.716†	1388.5	1396.6	29.644	ug/L	29.644	ppb	21:16:52
2	Cu 324.752†	4699.5	1999.9	15.128	ug/L	15.128	ppb	21:16:31
2	Mn 257.610†	80175.0	78840.4	215.96	ug/L	215.96	ppb	21:16:31
2	Mo 202.031†	53.0	6.2	1.4637	ug/L	1.4637	ppb	21:16:52
2	Ni 231.604†	735.4	573.8	21.913	ug/L	21.913	ppb	21:16:52

2	P 214.914†	81.5	201.1	184.86 ug/L	184.86 ppb	21:16:52
2	Pb 220.353†	181.2	110.5	16.163 ug/L	16.163 ppb	21:16:52
2	S 181.975 Axial†	25543.8	25114.9	32154 ug/L	32154 ppb	21:16:31
2	Sb 206.836†	30.2	4.9	1.4618 ug/L	1.4618 ppb	21:16:52
2	Se 196.026†	-82.4	-99.1	1.8629 ug/L	1.8629 ppb	21:16:52
2	Si 251.611†	563354.9	554474.7	36550 ug/L	36550 ppb	21:16:31
2	Sn 189.927†	191.7	189.0	29.325 ug/L	29.325 ppb	21:16:52
2	Ti 334.940†	62752.9	61140.6	141.07 ug/L	141.07 ppb	21:16:31
2	Tl 190.801†	-25.0	-0.7	-0.6571 ug/L	-0.6571 ppb	21:16:52
2	U 409.014†	-788.0	-721.8	-51.981 ug/L	-51.981 ppb	21:16:31
2	V 292.402†	3807.2	3938.4	44.316 ug/L	44.316 ppb	21:16:52
2	Zn 213.857†	4412.5	3893.3	52.312 ug/L	52.312 ppb	21:16:52
2	SiO2†	566633.6	557699.0	78672 ug/L	78672 ppb	21:17:30
3	Sc Radial	12707.1	12707.1	103 %		21:15:37
3	Y RADIAL	9204.9	9204.9	108.3 %		21:15:37
3	Al 396.153Radial†	21762.7	21040.9	24930 ug/L	24930 ppb	21:15:37
3	Ca 317.933Radial†	16194.3	15623.8	21119 ug/L	21119 ppb	21:15:37
3	Fe 238.204 Radial†	3156.5	3018.6	24603 ug/L	24603 ppb	21:15:57
3	K 766.490 Radial†	21199.2	19291.9	3641.6 ug/L	3641.6 ppb	21:15:32
3	Mg 279.077 IEC†	197.6	191.2	4456.3 ug/L	4456.3 ppb	21:15:57
3	Na 589.592 Radial†	163431.0	156875.8	13665 ug/L	13665 ppb	21:15:32
3	Sr 421.552†	26986.7	26052.9	120.89 ug/L	120.89 ppb	21:15:37
3	Sc 361.383	667196.0	667196.0	102.08 %		21:16:58
3	Y 371.029	457310.4	457310.4	105.76 %		21:16:58
3	Ag 328.068†	-513.0	-485.9	-0.9229 ug/L	-0.9229 ppb	21:16:58
3	As 188.979†	33.1	41.5	23.955 ug/L	23.955 ppb	21:17:18
3	B 249.677†	932.0	627.7	21.871 ug/L	21.871 ppb	21:16:58
3	Ba 233.527†	5282.1	5178.5	98.331 ug/L	98.331 ppb	21:17:18
3	Be 313.107†	2359.9	4308.2	2.8421 ug/L	2.8421 ppb	21:16:58
3	Cd 226.502†	136.3	215.1	1.3476 ug/L	1.3476 ppb	21:17:18
3	Co 228.616†	226.4	244.2	7.8342 ug/L	7.8342 ppb	21:17:18
3	Cr 267.716†	1387.5	1388.2	29.465 ug/L	29.465 ppb	21:17:18
3	Cu 324.752†	4761.3	2035.0	15.365 ug/L	15.365 ppb	21:16:58
3	Mn 257.610†	80488.9	78713.3	215.58 ug/L	215.58 ppb	21:16:58
3	Mo 202.031†	49.5	2.5	1.2604 ug/L	1.2604 ppb	21:17:18
3	Ni 231.604†	745.0	579.2	22.121 ug/L	22.121 ppb	21:17:18
3	P 214.914†	85.7	204.7	188.86 ug/L	188.86 ppb	21:17:18
3	Pb 220.353†	179.8	108.0	15.822 ug/L	15.822 ppb	21:17:18
3	S 181.975 Axial†	25690.3	25119.9	32160 ug/L	32160 ppb	21:16:58
3	Sb 206.836†	26.2	0.8	-0.5048 ug/L	-0.5048 ppb	21:17:18
3	Se 196.026†	-84.9	-101.1	0.2154 ug/L	0.2154 ppb	21:17:18
3	Si 251.611†	566846.5	554840.9	36575 ug/L	36575 ppb	21:16:58
3	Sn 189.927†	198.4	194.6	30.157 ug/L	30.157 ppb	21:17:18
3	Ti 334.940†	63023.2	61065.2	140.89 ug/L	140.89 ppb	21:16:58
3	Tl 190.801†	-20.2	4.2	1.9736 ug/L	1.9736 ppb	21:17:18
3	U 409.014†	-829.9	-758.6	-54.388 ug/L	-54.388 ppb	21:16:58
3	V 292.402†	3821.6	3931.9	44.259 ug/L	44.259 ppb	21:17:18
3	Zn 213.857†	4431.0	3887.5	52.271 ug/L	52.271 ppb	21:17:18
3	SiO2†	569072.7	557016.4	78576 ug/L	78576 ppb	21:17:36

Mean Data: 1201500003|719714|1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	665971.7	101.90 %	0.324			0.32%
Sc Radial	12745.2	104 %	0.7			0.64%
Y 371.029	456525.0	105.58 %	0.285			0.27%
Y RADIAL	9220.6	108.4 %	0.43			0.40%
Ag 328.068†	-459.2	-0.6740 ug/L	0.21963	-0.6740 ppb	0.21963	32.59%
Al 396.153Radial†	21033.1	24921 ug/L	74.8	24921 ppb	74.8	0.30%
As 188.979†	37.9	22.006 ug/L	1.7346	22.006 ppb	1.7346	7.88%
B 249.677†	650.2	22.654 ug/L	0.6938	22.654 ppb	0.6938	3.06%
Ba 233.527†	5180.2	98.364 ug/L	0.4314	98.364 ppb	0.4314	0.44%
Be 313.107†	4322.8	2.8518 ug/L	0.00844	2.8518 ppb	0.00844	0.30%
Ca 317.933Radial†	15651.1	21156 ug/L	51.8	21156 ppb	51.8	0.24%
Cd 226.502†	216.8	1.3760 ug/L	0.02865	1.3760 ppb	0.02865	2.08%
Co 228.616†	243.2	7.7988 ug/L	0.09687	7.7988 ppb	0.09687	1.24%
Cr 267.716†	1387.2	29.443 ug/L	0.2125	29.443 ppb	0.2125	0.72%
Cu 324.752†	1997.1	15.098 ug/L	0.2834	15.098 ppb	0.2834	1.88%
Fe 238.204 Radial†	3019.5	24611 ug/L	260.3	24611 ppb	260.3	1.06%
K 766.490 Radial†	19317.1	3646.4 ug/L	53.98	3646.4 ppb	53.98	1.48%

Mg 279.077 IEC†	193.2	4503.1 ug/L	51.66	4503.1 ppb	51.66	1.15%
Mn 257.610†	78779.0	215.76 ug/L	0.190	215.76 ppb	0.190	0.09%
Mo 202.031†	4.9	1.3839 ug/L	0.10851	1.3839 ppb	0.10851	7.84%
Na 589.592 Radial†	157322.1	13704 ug/L	156.6	13704 ppb	156.6	1.14%
Ni 231.604†	575.7	21.986 ug/L	0.1176	21.986 ppb	0.1176	0.53%
P 214.914†	199.3	183.28 ug/L	6.514	183.28 ppb	6.514	3.55%
Pb 220.353†	111.0	16.258 ug/L	0.4905	16.258 ppb	0.4905	3.02%
S 181.975 Axial†	25094.9	32128 ug/L	50.0	32128 ppb	50.0	0.16%
Sb 206.836†	5.3	1.6448 ug/L	2.24669	1.6448 ppb	2.24669	136.59%
Se 196.026†	-101.3	0.1237 ug/L	1.78678	0.1237 ppb	1.78678	>999.9%
Si 251.611†	554522.5	36554 ug/L	19.6	36554 ppb	19.6	0.05%
Sn 189.927†	191.3	29.663 ug/L	0.4374	29.663 ppb	0.4374	1.47%
Sr 421.552†	26021.6	120.74 ug/L	0.188	120.74 ppb	0.188	0.16%
Ti 334.940†	61078.8	140.93 ug/L	0.132	140.93 ppb	0.132	0.09%
Tl 190.801†	3.5	1.6120 ug/L	2.11158	1.6120 ppb	2.11158	130.99%
U 409.014†	-743.8	-53.422 ug/L	1.2718	-53.422 ppb	1.2718	2.38%
V 292.402†	3927.0	44.203 ug/L	0.1499	44.203 ppb	0.1499	0.34%
Zn 213.857†	3883.0	52.204 ug/L	0.1530	52.204 ppb	0.1530	0.29%
SiO2†	556220.4	78464 ug/L	282.0	78464 ppb	282.0	0.36%

Sequence No.: 6
 Sample ID: 1201500004|719714|1
 Analyst: JWJ
 Initial Sample Wt:
 Dilution:

Autosampler Location: 42
 Date Collected: 1/22/2008 21:19:46
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 1201500004|719714|1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12872.5	12872.5	105 %		21:21:41
1	Y RADIAL	9245.1	9245.1	108.7 %		21:21:41
1	Al 396.153Radial†	40160.7	38331.5	45204 ug/L	45204 ppb	21:21:41
1	Ca 317.933Radial†	19915.0	18974.0	25647 ug/L	25647 ppb	21:21:41
1	Fe 238.204 Radial†	4042.3	3824.9	31205 ug/L	31205 ppb	21:22:01
1	K 766.490 Radial†	52432.4	48840.8	9229.5 ug/L	9229.5 ppb	21:21:41
1	Mg 279.077 IEC†	435.4	415.7	9689.2 ug/L	9689.2 ppb	21:22:01
1	Na 589.592 Radial†	221861.0	210616.9	18346 ug/L	18346 ppb	21:21:41
1	Sr 421.552†	139585.0	133194.0	620.62 ug/L	620.62 ppb	21:21:41
1	Sc 361.383	665029.2	665029.2	101.75 %		21:23:01
1	Y 371.029	452108.3	452108.3	104.56 %		21:23:01
1	Ag 328.068†	52751.7	51860.2	491.71 ug/L	491.71 ppb	21:23:07
1	As 188.979†	930.9	923.9	504.43 ug/L	504.43 ppb	21:23:27
1	B 249.677†	15158.8	14612.6	509.14 ug/L	509.14 ppb	21:23:07
1	Ba 233.527†	32020.5	31473.3	598.20 ug/L	598.20 ppb	21:23:07
1	Be 313.107†	758919.6	747849.3	493.35 ug/L	493.35 ppb	21:23:01
1	Cd 226.502†	28652.3	28240.6	478.34 ug/L	478.34 ppb	21:23:07
1	Co 228.616†	14924.2	14689.7	505.35 ug/L	505.35 ppb	21:23:07
1	Cr 267.716†	25057.5	24655.1	523.01 ug/L	523.01 ppb	21:23:07
1	Cu 324.752†	77558.9	73594.3	520.97 ug/L	520.97 ppb	21:23:07
1	Mn 257.610†	260278.3	255664.0	693.97 ug/L	693.97 ppb	21:23:07
1	Mo 202.031†	9513.0	9303.2	482.96 ug/L	482.96 ppb	21:23:27
1	Ni 231.604†	13701.2	13314.8	508.08 ug/L	508.08 ppb	21:23:07
1	P 214.914†	561.2	672.4	658.57 ug/L	658.57 ppb	21:23:27
1	Pb 220.353†	3478.4	3350.5	496.23 ug/L	496.23 ppb	21:23:27
1	S 181.975 Axial†	28561.9	28024.1	35874 ug/L	35874 ppb	21:23:07
1	Sb 206.836†	1046.5	1003.7	476.26 ug/L	476.26 ppb	21:23:27
1	Se 196.026†	820.0	787.9	482.51 ug/L	482.51 ppb	21:23:27
1	Si 251.611†	897152.4	881269.0	58083 ug/L	58083 ppb	21:23:01
1	Sn 189.927†	3447.6	3388.4	514.49 ug/L	514.49 ppb	21:23:27
1	Ti 334.940†	287266.2	281648.4	641.39 ug/L	641.39 ppb	21:23:07
1	Tl 190.801†	660.0	672.5	359.82 ug/L	359.82 ppb	21:23:27
1	U 409.014†	6389.9	6334.2	409.18 ug/L	409.18 ppb	21:23:07
1	V 292.402†	46813.0	46195.2	550.30 ug/L	550.30 ppb	21:23:07
1	Zn 213.857†	38193.8	37083.1	529.62 ug/L	529.62 ppb	21:23:07
1	SiO2†	898411.3	882500.9	124490 ug/L	124490 ppb	21:24:39
2	Sc Radial	12697.1	12697.1	103 %		21:22:06
2	Y RADIAL	9123.3	9123.3	107.3 %		21:22:06
2	Al 396.153Radial†	40234.5	38932.7	45915 ug/L	45915 ppb	21:22:06
2	Ca 317.933Radial†	19868.7	19191.8	25942 ug/L	25942 ppb	21:22:06
2	Fe 238.204 Radial†	4036.4	3872.5	31593 ug/L	31593 ppb	21:22:27
2	K 766.490 Radial†	52302.1	49406.4	9336.4 ug/L	9336.4 ppb	21:22:06
2	Mg 279.077 IEC†	436.9	422.9	9857.3 ug/L	9857.3 ppb	21:22:27
2	Na 589.592 Radial†	221544.3	213236.9	18574 ug/L	18574 ppb	21:22:06
2	Sr 421.552†	139186.3	134649.3	627.40 ug/L	627.40 ppb	21:22:06
2	Sc 361.383	665019.5	665019.5	101.75 %		21:23:33
2	Y 371.029	452381.8	452381.8	104.62 %		21:23:33
2	Ag 328.068†	53314.9	52414.4	496.99 ug/L	496.99 ppb	21:23:39
2	As 188.979†	944.4	937.2	511.67 ug/L	511.67 ppb	21:23:59
2	B 249.677†	15369.5	14819.9	516.36 ug/L	516.36 ppb	21:23:39
2	Ba 233.527†	32325.9	31773.9	603.91 ug/L	603.91 ppb	21:23:39
2	Be 313.107†	757874.8	746833.4	492.68 ug/L	492.68 ppb	21:23:33
2	Cd 226.502†	29052.8	28634.6	485.01 ug/L	485.01 ppb	21:23:39
2	Co 228.616†	15102.5	14865.1	511.37 ug/L	511.37 ppb	21:23:39
2	Cr 267.716†	25336.1	24929.2	528.83 ug/L	528.83 ppb	21:23:39
2	Cu 324.752†	78662.0	74679.6	528.65 ug/L	528.65 ppb	21:23:39
2	Mn 257.610†	263103.3	258444.1	701.52 ug/L	701.52 ppb	21:23:39
2	Mo 202.031†	9562.4	9351.9	485.50 ug/L	485.50 ppb	21:23:59
2	Ni 231.604†	13841.7	13453.0	513.36 ug/L	513.36 ppb	21:23:39

2	P 214.914†	558.9	670.0	655.92 ug/L	655.92 ppb	21:23:59
2	Pb 220.353†	3474.2	3346.4	495.64 ug/L	495.64 ppb	21:23:59
2	S 181.975 Axial†	29016.1	28470.8	36446 ug/L	36446 ppb	21:23:39
2	Sb 206.836†	1063.9	1020.8	484.35 ug/L	484.35 ppb	21:23:59
2	Se 196.026†	807.1	775.3	476.67 ug/L	476.67 ppb	21:23:59
2	Si 251.611†	896227.6	880373.0	58024 ug/L	58024 ppb	21:23:33
2	Sn 189.927†	3437.3	3378.4	512.98 ug/L	512.98 ppb	21:23:59
2	Ti 334.940†	290512.2	284842.7	648.67 ug/L	648.67 ppb	21:23:39
2	Tl 190.801†	655.6	668.3	357.52 ug/L	357.52 ppb	21:23:59
2	U 409.014†	6494.9	6437.5	415.89 ug/L	415.89 ppb	21:23:39
2	V 292.402†	47449.2	46821.2	557.73 ug/L	557.73 ppb	21:23:39
2	Zn 213.857†	38526.5	37410.6	534.27 ug/L	534.27 ppb	21:23:39
2	SiO2†	895469.8	879622.9	124080 ug/L	124080 ppb	21:24:45
3	Sc Radial	12759.3	12759.3	104 %		21:22:32
3	Y RADIAL	9217.5	9217.5	108.4 %		21:22:32
3	Al 396.153Radial†	40378.4	38881.6	45857 ug/L	45857 ppb	21:22:32
3	Ca 317.933Radial†	19888.3	19117.0	25841 ug/L	25841 ppb	21:22:32
3	Fe 238.204 Radial†	4006.0	3824.2	31199 ug/L	31199 ppb	21:22:52
3	K 766.490 Radial†	52513.1	49363.0	9328.2 ug/L	9328.2 ppb	21:22:32
3	Mg 279.077 IEC†	431.0	415.2	9676.8 ug/L	9676.8 ppb	21:22:52
3	Na 589.592 Radial†	222460.8	213075.0	18560 ug/L	18560 ppb	21:22:32
3	Sr 421.552†	139827.9	134611.0	627.23 ug/L	627.23 ppb	21:22:32
3	Sc 361.383	669506.5	669506.5	102.44 %		21:24:05
3	Y 371.029	455148.7	455148.7	105.26 %		21:24:05
3	Ag 328.068†	53293.4	52042.3	493.43 ug/L	493.43 ppb	21:24:11
3	As 188.979†	940.9	927.6	506.42 ug/L	506.42 ppb	21:24:31
3	B 249.677†	15340.7	14690.5	511.85 ug/L	511.85 ppb	21:24:11
3	Ba 233.527†	32396.4	31629.9	601.17 ug/L	601.17 ppb	21:24:11
3	Be 313.107†	757956.5	741921.3	489.44 ug/L	489.44 ppb	21:24:05
3	Cd 226.502†	28990.5	28382.4	480.75 ug/L	480.75 ppb	21:24:11
3	Co 228.616†	15081.3	14745.0	507.24 ug/L	507.24 ppb	21:24:11
3	Cr 267.716†	25343.1	24769.2	525.43 ug/L	525.43 ppb	21:24:11
3	Cu 324.752†	78436.0	73940.9	523.41 ug/L	523.41 ppb	21:24:11
3	Mn 257.610†	262867.6	256481.2	696.18 ug/L	696.18 ppb	21:24:11
3	Mo 202.031†	9552.3	9279.0	481.71 ug/L	481.71 ppb	21:24:31
3	Ni 231.604†	13838.6	13358.8	509.76 ug/L	509.76 ppb	21:24:11
3	P 214.914†	561.1	668.5	654.86 ug/L	654.86 ppb	21:24:31
3	Pb 220.353†	3492.5	3341.3	494.91 ug/L	494.91 ppb	21:24:31
3	S 181.975 Axial†	28899.1	28165.6	36055 ug/L	36055 ppb	21:24:11
3	Sb 206.836†	1050.2	1000.3	474.62 ug/L	474.62 ppb	21:24:31
3	Se 196.026†	810.0	772.8	474.51 ug/L	474.51 ppb	21:24:31
3	Si 251.611†	897193.1	875412.3	57697 ug/L	57697 ppb	21:24:05
3	Sn 189.927†	3457.9	3375.9	512.59 ug/L	512.59 ppb	21:24:31
3	Ti 334.940†	290109.1	282535.7	643.43 ug/L	643.43 ppb	21:24:11
3	Tl 190.801†	658.0	666.3	356.47 ug/L	356.47 ppb	21:24:31
3	U 409.014†	6508.5	6408.1	414.00 ug/L	414.00 ppb	21:24:11
3	V 292.402†	47333.7	46395.9	552.68 ug/L	552.68 ppb	21:24:11
3	Zn 213.857†	38525.0	37155.4	530.65 ug/L	530.65 ppb	21:24:11
3	SiO2†	892270.7	870601.7	122810 ug/L	122810 ppb	21:24:52

Mean Data: 1201500004|719714|1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	666518.4	101.98 %	0.396			0.39%
Sc Radial	12776.3	104 %	0.7			0.70%
Y 371.029	453212.9	104.81 %	0.389			0.37%
Y RADIAL	9195.3	108.2 %	0.75			0.69%
Ag 328.068†	52105.6	494.04 ug/L	2.691	494.04 ppb	2.691	0.54%
Al 396.153Radial†	38715.3	45659 ug/L	394.7	45659 ppb	394.7	0.86%
As 188.979†	929.6	507.51 ug/L	3.739	507.51 ppb	3.739	0.74%
B 249.677†	14707.7	512.45 ug/L	3.647	512.45 ppb	3.647	0.71%
Ba 233.527†	31625.7	601.09 ug/L	2.859	601.09 ppb	2.859	0.48%
Be 313.107†	745534.7	491.82 ug/L	2.091	491.82 ppb	2.091	0.43%
Ca 317.933Radial†	19094.2	25810 ug/L	149.6	25810 ppb	149.6	0.58%
Cd 226.502†	28419.2	481.37 ug/L	3.382	481.37 ppb	3.382	0.70%
Co 228.616†	14766.6	507.99 ug/L	3.082	507.99 ppb	3.082	0.61%
Cr 267.716†	24784.5	525.76 ug/L	2.922	525.76 ppb	2.922	0.56%
Cu 324.752†	74071.6	524.34 ug/L	3.923	524.34 ppb	3.923	0.75%
Fe 238.204 Radial†	3840.5	31332 ug/L	226.0	31332 ppb	226.0	0.72%
K 766.490 Radial†	49203.4	9298.1 ug/L	59.48	9298.1 ppb	59.48	0.64%

Mg 279.077 IEC†	417.9	9741.1 ug/L	100.84	9741.1 ppb	100.84	1.04%
Mn 257.610†	256863.1	697.22 ug/L	3.884	697.22 ppb	3.884	0.56%
Mo 202.031†	9311.4	483.39 ug/L	1.931	483.39 ppb	1.931	0.40%
Na 589.592 Radial†	212309.6	18493 ug/L	127.9	18493 ppb	127.9	0.69%
Ni 231.604†	13375.5	510.40 ug/L	2.694	510.40 ppb	2.694	0.53%
P 214.914†	670.3	656.45 ug/L	1.909	656.45 ppb	1.909	0.29%
Pb 220.353†	3346.1	495.59 ug/L	0.660	495.59 ppb	0.660	0.13%
S 181.975 Axial†	28220.2	36125 ug/L	292.3	36125 ppb	292.3	0.81%
Sb 206.836†	1008.3	478.41 ug/L	5.210	478.41 ppb	5.210	1.09%
Se 196.026†	778.6	477.90 ug/L	4.138	477.90 ppb	4.138	0.87%
Si 251.611†	879018.1	57935 ug/L	207.9	57935 ppb	207.9	0.36%
Sn 189.927†	3380.9	513.36 ug/L	1.002	513.36 ppb	1.002	0.20%
Sr 421.552†	134151.4	625.08 ug/L	3.865	625.08 ppb	3.865	0.62%
Ti 334.940†	283008.9	644.50 ug/L	3.753	644.50 ppb	3.753	0.58%
Tl 190.801†	669.0	357.94 ug/L	1.716	357.94 ppb	1.716	0.48%
U 409.014†	6393.3	413.02 ug/L	3.460	413.02 ppb	3.460	0.84%
V 292.402†	46470.8	553.57 ug/L	3.794	553.57 ppb	3.794	0.69%
Zn 213.857†	37216.4	531.51 ug/L	2.439	531.51 ppb	2.439	0.46%
SiO2†	877575.2	123800 ug/L	875.8	123800 ppb	875.8	0.71%

Sequence No.: 7

Sample ID: 1201500005|719714|5

Analyst: JWJ

Initial Sample Wt:

Dilution:

Autosampler Location: 43

Date Collected: 1/22/2008 21:27:02

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1201500005|719714|5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12876.0	12876.0	105	%		21:28:57
1	Y RADIAL	8996.8	8996.8	105.8	%		21:28:57
1	Al 396.153Radial†	4164.1	3971.3	4705.1	ug/L	4705.1 ppb	21:28:57
1	Ca 317.933Radial†	3220.9	3038.4	4107.1	ug/L	4107.1 ppb	21:29:17
1	Fe 238.204 Radial†	660.7	596.9	4865.4	ug/L	4865.4 ppb	21:29:17
1	K 766.490 Radial†	5045.2	3607.9	680.99	ug/L	680.99 ppb	21:28:57
1	Mg 279.077 IEC†	41.7	39.9	930.78	ug/L	930.78 ppb	21:29:17
1	Na 589.592 Radial†	32557.5	29916.2	2605.9	ug/L	2605.9 ppb	21:28:57
1	Sr 421.552†	5370.5	5083.3	23.587	ug/L	23.587 ppb	21:28:57
1	Sc 361.383	666000.1	666000.1	101.90	%		21:30:16
1	Y 371.029	442351.5	442351.5	102.30	%		21:30:16
1	Ag 328.068†	-126.1	-107.0	-0.2868	ug/L	-0.2868 ppb	21:30:16
1	As 188.979†	-7.3	1.9	1.3225	ug/L	1.3225 ppb	21:30:36
1	B 249.677†	484.1	189.9	6.6168	ug/L	6.6168 ppb	21:30:36
1	Ba 233.527†	1057.6	1042.0	19.784	ug/L	19.784 ppb	21:30:36
1	Be 313.107†	-1162.1	856.0	0.5647	ug/L	0.5647 ppb	21:30:16
1	Cd 226.502†	-28.3	53.8	0.4591	ug/L	0.4591 ppb	21:30:36
1	Co 228.616†	30.0	51.9	1.6745	ug/L	1.6745 ppb	21:30:36
1	Cr 267.716†	239.8	264.3	5.6097	ug/L	5.6097 ppb	21:30:36
1	Cu 324.752†	2984.7	299.9	2.3143	ug/L	2.3143 ppb	21:30:16
1	Mn 257.610†	16281.1	15844.5	43.384	ug/L	43.384 ppb	21:30:16
1	Mo 202.031†	59.0	11.9	0.8382	ug/L	0.8382 ppb	21:30:36
1	Ni 231.604†	271.9	116.3	4.4412	ug/L	4.4412 ppb	21:30:36
1	P 214.914†	-82.5	39.9	36.626	ug/L	36.626 ppb	21:30:36
1	Pb 220.353†	91.7	21.9	3.1962	ug/L	3.1962 ppb	21:30:36
1	S 181.975 Axial†	5093.7	4952.7	6340.8	ug/L	6340.8 ppb	21:30:36
1	Sb 206.836†	24.2	-1.1	-0.6836	ug/L	-0.6836 ppb	21:30:36
1	Se 196.026†	-4.6	-22.5	-1.2991	ug/L	-1.2991 ppb	21:30:36
1	Si 251.611†	109292.7	106817.6	7041.3	ug/L	7041.3 ppb	21:30:16
1	Sn 189.927†	35.5	35.1	5.4434	ug/L	5.4434 ppb	21:30:36
1	Ti 334.940†	12455.3	11551.2	26.664	ug/L	26.664 ppb	21:30:16
1	Tl 190.801†	-23.8	0.5	0.2293	ug/L	0.2293 ppb	21:30:36
1	U 409.014†	-209.4	-151.1	-10.819	ug/L	-10.819 ppb	21:30:16
1	V 292.402†	573.2	750.7	8.4387	ug/L	8.4387 ppb	21:30:36
1	Zn 213.857†	1256.1	779.5	10.493	ug/L	10.493 ppb	21:30:36
1	SiO2†	109839.6	107349.1	15143	ug/L	15143 ppb	21:31:34
2	Sc Radial	12734.9	12734.9	104	%		21:29:22
2	Y RADIAL	8884.5	8884.5	104.5	%		21:29:22
2	Al 396.153Radial†	4127.2	3979.7	4715.3	ug/L	4715.3 ppb	21:29:22
2	Ca 317.933Radial†	3236.9	3087.9	4173.9	ug/L	4173.9 ppb	21:29:42
2	Fe 238.204 Radial†	665.1	608.2	4956.7	ug/L	4956.7 ppb	21:29:42
2	K 766.490 Radial†	4986.8	3605.0	680.41	ug/L	680.41 ppb	21:29:22
2	Mg 279.077 IEC†	39.1	37.8	881.44	ug/L	881.44 ppb	21:29:42
2	Na 589.592 Radial†	32232.0	29946.4	2608.5	ug/L	2608.5 ppb	21:29:22
2	Sr 421.552†	5316.0	5087.5	23.605	ug/L	23.605 ppb	21:29:22
2	Sc 361.383	666726.9	666726.9	102.01	%		21:30:42
2	Y 371.029	443181.3	443181.3	102.49	%		21:30:42
2	Ag 328.068†	-97.3	-78.7	-0.0109	ug/L	-0.0109 ppb	21:30:42
2	As 188.979†	-4.1	5.1	3.0507	ug/L	3.0507 ppb	21:31:02
2	B 249.677†	488.2	193.4	6.7374	ug/L	6.7374 ppb	21:31:02
2	Ba 233.527†	1057.9	1041.2	19.769	ug/L	19.769 ppb	21:31:02
2	Be 313.107†	-1191.6	828.3	0.5464	ug/L	0.5464 ppb	21:30:42
2	Cd 226.502†	-36.8	45.5	0.3074	ug/L	0.3074 ppb	21:31:02
2	Co 228.616†	31.6	53.4	1.7249	ug/L	1.7249 ppb	21:31:02
2	Cr 267.716†	248.9	273.0	5.7936	ug/L	5.7936 ppb	21:31:02
2	Cu 324.752†	3009.5	320.9	2.4666	ug/L	2.4666 ppb	21:30:42
2	Mn 257.610†	16221.2	15768.4	43.190	ug/L	43.190 ppb	21:30:42
2	Mo 202.031†	52.1	5.1	0.4906	ug/L	0.4906 ppb	21:31:02
2	Ni 231.604†	270.5	114.6	4.3777	ug/L	4.3777 ppb	21:31:02

2	P 214.914†	-81.2	41.2	37.910 ug/L	37.910 ppb	21:31:02
2	Pb 220.353†	82.0	12.3	1.7717 ug/L	1.7717 ppb	21:31:02
2	S 181.975 Axial†	5053.4	4907.7	6283.2 ug/L	6283.2 ppb	21:31:02
2	Sb 206.836†	23.7	-1.6	-0.9484 ug/L	-0.9484 ppb	21:31:02
2	Se 196.026†	-0.2	-18.2	1.1807 ug/L	1.1807 ppb	21:31:02
2	Si 251.611†	109265.9	106674.4	7031.9 ug/L	7031.9 ppb	21:30:42
2	Sn 189.927†	41.1	40.5	6.2702 ug/L	6.2702 ppb	21:31:02
2	Ti 334.940†	12446.7	11529.5	26.622 ug/L	26.622 ppb	21:30:42
2	Tl 190.801†	-24.2	0.2	0.0629 ug/L	0.0629 ppb	21:31:02
2	U 409.014†	-224.9	-166.0	-11.814 ug/L	-11.814 ppb	21:30:42
2	V 292.402†	579.8	756.6	8.4955 ug/L	8.4955 ppb	21:31:02
2	Zn 213.857†	1248.2	770.5	10.349 ug/L	10.349 ppb	21:31:02
2	SiO2†	109694.4	107089.2	15107 ug/L	15107 ppb	21:31:39
3	Sc Radial	12705.2	12705.2	103 %		21:29:48
3	Y RADIAL	8844.4	8844.4	104.0 %		21:29:48
3	Al 396.153Radial†	4170.8	4031.2	4776.2 ug/L	4776.2 ppb	21:29:48
3	Ca 317.933Radial†	3216.1	3075.1	4156.6 ug/L	4156.6 ppb	21:30:08
3	Fe 238.204 Radial†	658.3	603.1	4915.1 ug/L	4915.1 ppb	21:30:08
3	K 766.490 Radial†	5070.2	3696.8	697.79 ug/L	697.79 ppb	21:29:48
3	Mg 279.077 IEC†	37.8	36.7	854.89 ug/L	854.89 ppb	21:30:08
3	Na 589.592 Radial†	32735.6	30506.1	2657.3 ug/L	2657.3 ppb	21:29:48
3	Sr 421.552†	5387.0	5168.1	23.982 ug/L	23.982 ppb	21:29:48
3	Sc 361.383	668123.9	668123.9	102.23 %		21:31:08
3	Y 371.029	443953.1	443953.1	102.67 %		21:31:08
3	Ag 328.068†	-105.3	-86.3	-0.0876 ug/L	-0.0876 ppb	21:31:08
3	As 188.979†	-2.6	6.5	3.8032 ug/L	3.8032 ppb	21:31:28
3	B 249.677†	484.8	189.0	6.5852 ug/L	6.5852 ppb	21:31:28
3	Ba 233.527†	1059.1	1040.2	19.750 ug/L	19.750 ppb	21:31:28
3	Be 313.107†	-1123.1	897.7	0.5922 ug/L	0.5922 ppb	21:31:08
3	Cd 226.502†	-38.7	43.7	0.2803 ug/L	0.2803 ppb	21:31:28
3	Co 228.616†	23.5	45.4	1.4498 ug/L	1.4498 ppb	21:31:28
3	Cr 267.716†	237.8	261.6	5.5533 ug/L	5.5533 ppb	21:31:28
3	Cu 324.752†	2980.9	286.8	2.2241 ug/L	2.2241 ppb	21:31:08
3	Mn 257.610†	16249.2	15762.6	43.169 ug/L	43.169 ppb	21:31:08
3	Mo 202.031†	51.6	4.5	0.4596 ug/L	0.4596 ppb	21:31:28
3	Ni 231.604†	273.8	117.3	4.4783 ug/L	4.4783 ppb	21:31:28
3	P 214.914†	-80.8	41.7	38.485 ug/L	38.485 ppb	21:31:28
3	Pb 220.353†	85.3	15.4	2.2330 ug/L	2.2330 ppb	21:31:28
3	S 181.975 Axial†	5080.6	4923.9	6304.0 ug/L	6304.0 ppb	21:31:28
3	Sb 206.836†	20.2	-5.1	-2.5875 ug/L	-2.5875 ppb	21:31:28
3	Se 196.026†	-17.0	-34.6	-7.5601 ug/L	-7.5601 ppb	21:31:28
3	Si 251.611†	109197.9	106383.9	7012.7 ug/L	7012.7 ppb	21:31:08
3	Sn 189.927†	42.7	42.0	6.4988 ug/L	6.4988 ppb	21:31:28
3	Ti 334.940†	12499.6	11555.7	26.682 ug/L	26.682 ppb	21:31:08
3	Tl 190.801†	-25.0	-0.5	-0.3192 ug/L	-0.3192 ppb	21:31:28
3	U 409.014†	-284.9	-224.3	-15.646 ug/L	-15.646 ppb	21:31:08
3	V 292.402†	571.2	747.0	8.3792 ug/L	8.3792 ppb	21:31:28
3	Zn 213.857†	1256.5	776.1	10.438 ug/L	10.438 ppb	21:31:28
3	SiO2†	109403.5	106579.8	15035 ug/L	15035 ppb	21:31:45

Mean Data: 1201500005|719714|5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	666950.3	102.05	%	0.165			0.16%
Sc Radial	12772.0	104	%	0.7			0.71%
Y 371.029	443162.0	102.49	%	0.185			0.18%
Y RADIAL	8908.6	104.8	%	0.93			0.89%
Ag 328.068†	-90.7	-0.1284	ug/L	0.14243	-0.1284 ppb	0.14243	110.90%
Al 396.153Radial†	3994.1	4732.2	ug/L	38.46	4732.2 ppb	38.46	0.81%
As 188.979†	4.5	2.7255	ug/L	1.27190	2.7255 ppb	1.27190	46.67%
B 249.677†	190.8	6.6465	ug/L	0.08031	6.6465 ppb	0.08031	1.21%
Ba 233.527†	1041.1	19.768	ug/L	0.0171	19.768 ppb	0.0171	0.09%
Be 313.107†	860.7	0.5678	ug/L	0.02306	0.5678 ppb	0.02306	4.06%
Ca 317.933Radial†	3067.1	4145.9	ug/L	34.72	4145.9 ppb	34.72	0.84%
Cd 226.502†	47.7	0.3489	ug/L	0.09640	0.3489 ppb	0.09640	27.63%
Co 228.616†	50.3	1.6164	ug/L	0.14645	1.6164 ppb	0.14645	9.06%
Cr 267.716†	266.3	5.6522	ug/L	0.12563	5.6522 ppb	0.12563	2.22%
Cu 324.752†	302.6	2.3350	ug/L	0.12257	2.3350 ppb	0.12257	5.25%
Fe 238.204 Radial†	602.7	4912.4	ug/L	45.75	4912.4 ppb	45.75	0.93%
K 766.490 Radial†	3636.6	686.40	ug/L	9.870	686.40 ppb	9.870	1.44%

Mg 279.077 IEC†	38.1	889.04 ug/L	38.507	889.04 ppb	38.507	4.33%
Mn 257.610†	15791.8	43.247 ug/L	0.1185	43.247 ppb	0.1185	0.27%
Mo 202.031†	7.2	0.5961 ug/L	0.21024	0.5961 ppb	0.21024	35.27%
Na 589.592 Radial†	30122.9	2623.9 ug/L	28.94	2623.9 ppb	28.94	1.10%
Ni 231.604†	116.1	4.4324 ug/L	0.05083	4.4324 ppb	0.05083	1.15%
P 214.914†	40.9	37.673 ug/L	0.9517	37.673 ppb	0.9517	2.53%
Pb 220.353†	16.5	2.4003 ug/L	0.72687	2.4003 ppb	0.72687	30.28%
S 181.975 Axial†	4928.1	6309.3 ug/L	29.17	6309.3 ppb	29.17	0.46%
Sb 206.836†	-2.6	-1.4065 ug/L	1.03128	-1.4065 ppb	1.03128	73.32%
Se 196.026†	-25.1	-2.5595 ug/L	4.50466	-2.5595 ppb	4.50466	176.00%
Si 251.611†	106625.3	7028.6 ug/L	14.56	7028.6 ppb	14.56	0.21%
Sn 189.927†	39.2	6.0708 ug/L	0.55521	6.0708 ppb	0.55521	9.15%
Sr 421.552†	5113.0	23.725 ug/L	0.2228	23.725 ppb	0.2228	0.94%
Ti 334.940†	11545.5	26.656 ug/L	0.0306	26.656 ppb	0.0306	0.11%
Tl 190.801†	0.1	-0.0090 ug/L	0.28124	-0.0090 ppb	0.28124	>999.9%
U 409.014†	-180.5	-12.760 ug/L	2.5486	-12.760 ppb	2.5486	19.97%
V 292.402†	751.5	8.4378 ug/L	0.05812	8.4378 ppb	0.05812	0.69%
Zn 213.857†	775.4	10.427 ug/L	0.0728	10.427 ppb	0.0728	0.70%
SiO2†	107006.0	15095 ug/L	55.2	15095 ppb	55.2	0.37%

User canceled analysis.

=====
Analysis Begun

Start Time: 1/22/2008 21:40:25

Plasma On Time: 1/18/2008 22:40:27

Logged In Analyst: optimal

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1030502Autosampler Model: AS-93plus

Sample Information File: C:\pe\optimal\Sample Information\012208.sif

Batch ID:

Results Data Set: 012208A

Results Library: C:\pe\optimal\Results\Results.mdb

Sequence No.: 8

Autosampler Location: 7

Sample ID: CCV

Date Collected: 1/22/2008 21:40:25

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12596.7	12596.7	103 %		21:42:19
1	Y RADIAL	8733.4	8733.4	102.7 %		21:42:19
1	Al 396.153Radial†	4463.9	4351.9	4932.7 ug/L	4932.7 ppb	21:42:19
1	Ca 317.933Radial†	3930.1	3798.3	5134.2 ug/L	5134.2 ppb	21:42:19
1	Fe 238.204 Radial†	678.3	628.0	5150.5 ug/L	5150.5 ppb	21:42:39
1	K 766.490 Radial†	28756.0	26842.6	5075.7 ug/L	5075.7 ppb	21:42:19
1	Mg 279.077 IEC†	219.6	214.3	4996.1 ug/L	4996.1 ppb	21:42:39
1	Na 589.592 Radial†	119595.3	115503.2	10061 ug/L	10061 ppb	21:42:19
1	Sr 421.552†	113128.4	110305.7	514.48 ug/L	514.48 ppb	21:42:19
1	Sc 361.383	669001.1	669001.1	102.36 %		21:43:39
1	Y 371.029	438020.9	438020.9	101.30 %		21:43:39
1	Ag 328.068†	55900.4	54628.5	513.77 ug/L	513.77 ppb	21:43:44
1	As 188.979†	937.7	925.1	503.52 ug/L	503.52 ppb	21:44:05
1	B 249.677†	15286.4	14648.8	510.40 ug/L	510.40 ppb	21:43:44
1	Ba 233.527†	27685.8	27051.7	514.24 ug/L	514.24 ppb	21:43:44
1	Be 313.107†	783989.7	767913.4	506.59 ug/L	506.59 ppb	21:43:39
1	Cd 226.502†	30494.4	29873.0	508.60 ug/L	508.60 ppb	21:43:44
1	Co 228.616†	15437.3	15103.8	520.23 ug/L	520.23 ppb	21:43:44
1	Cr 267.716†	24621.8	24083.2	510.85 ug/L	510.85 ppb	21:43:44
1	Cu 324.752†	76330.6	71941.8	508.24 ug/L	508.24 ppb	21:43:44
1	Mn 257.610†	193196.7	188610.1	509.67 ug/L	509.67 ppb	21:43:44
1	Mo 202.031†	10052.6	9774.9	506.17 ug/L	506.17 ppb	21:44:05
1	Ni 231.604†	13930.7	13459.0	513.58 ug/L	513.58 ppb	21:43:44
1	P 214.914†	2404.5	2469.8	2506.0 ug/L	2506.0 ppb	21:44:05
1	Pb 220.353†	3565.5	3415.2	505.05 ug/L	505.05 ppb	21:44:05
1	S 181.975 Axial†	850.6	784.9	1003.9 ug/L	1003.9 ppb	21:44:05
1	Sb 206.836†	1103.1	1052.9	500.64 ug/L	500.64 ppb	21:44:05
1	Se 196.026†	992.4	951.5	512.10 ug/L	512.10 ppb	21:44:05
1	Si 251.611†	40795.5	39418.4	2588.8 ug/L	2588.8 ppb	21:43:44
1	Sn 189.927†	3403.6	3325.4	504.29 ug/L	504.29 ppb	21:44:05
1	Ti 334.940†	228244.2	222310.9	504.47 ug/L	504.47 ppb	21:43:44
1	Tl 190.801†	939.4	941.6	504.60 ug/L	504.60 ppb	21:44:05
1	U 409.014†	7550.6	7430.9	485.55 ug/L	485.55 ppb	21:43:44
1	V 292.402†	43761.5	42941.0	514.46 ug/L	514.46 ppb	21:43:44
1	Zn 213.857†	36364.7	35073.3	504.69 ug/L	504.69 ppb	21:43:44
1	SiO2†	39928.5	38566.0	5440.4 ug/L	5440.4 ppb	21:45:14
2	Sc Radial	12561.8	12561.8	102 %		21:42:45
2	Y RADIAL	8699.0	8699.0	102.3 %		21:42:45
2	Al 396.153Radial†	4481.3	4380.9	4968.7 ug/L	4968.7 ppb	21:42:45
2	Ca 317.933Radial†	3976.8	3854.6	5210.4 ug/L	5210.4 ppb	21:42:45
2	Fe 238.204 Radial†	681.5	633.1	5190.9 ug/L	5190.9 ppb	21:43:05
2	K 766.490 Radial†	28705.1	26870.7	5081.0 ug/L	5081.0 ppb	21:42:45
2	Mg 279.077 IEC†	222.4	217.7	5073.8 ug/L	5073.8 ppb	21:43:05
2	Na 589.592 Radial†	119251.6	115490.7	10060 ug/L	10060 ppb	21:42:45
2	Sr 421.552†	112676.8	110170.3	513.84 ug/L	513.84 ppb	21:42:45
2	Sc 361.383	673076.8	673076.8	102.98 %		21:44:11

2	Y 371.029	440886.8	440886.8	101.96 %		21:44:11
2	Ag 328.068†	55783.0	54183.8	509.59 ug/L	509.59 ppb	21:44:16
2	As 188.979†	932.6	914.7	497.86 ug/L	497.86 ppb	21:44:36
2	B 249.677†	15235.0	14508.5	505.51 ug/L	505.51 ppb	21:44:16
2	Ba 233.527†	27474.7	26682.9	507.23 ug/L	507.23 ppb	21:44:16
2	Be 313.107†	789853.7	768969.6	507.28 ug/L	507.28 ppb	21:44:11
2	Cd 226.502†	30343.6	29546.2	503.03 ug/L	503.03 ppb	21:44:16
2	Co 228.616†	15312.0	14890.9	512.90 ug/L	512.90 ppb	21:44:16
2	Cr 267.716†	24507.6	23826.6	505.41 ug/L	505.41 ppb	21:44:16
2	Cu 324.752†	76070.3	71237.5	503.27 ug/L	503.27 ppb	21:44:16
2	Mn 257.610†	192142.1	186443.2	503.83 ug/L	503.83 ppb	21:44:16
2	Mo 202.031†	10042.2	9705.3	502.57 ug/L	502.57 ppb	21:44:36
2	Ni 231.604†	13884.5	13331.7	508.72 ug/L	508.72 ppb	21:44:16
2	P 214.914†	2388.7	2440.2	2475.9 ug/L	2475.9 ppb	21:44:36
2	Pb 220.353†	3553.1	3382.1	500.15 ug/L	500.15 ppb	21:44:36
2	S 181.975 Axial†	857.6	786.7	1006.2 ug/L	1006.2 ppb	21:44:36
2	Sb 206.836†	1121.0	1063.7	505.82 ug/L	505.82 ppb	21:44:36
2	Se 196.026†	986.1	939.5	505.87 ug/L	505.87 ppb	21:44:36
2	Si 251.611†	40455.6	38847.0	2551.2 ug/L	2551.2 ppb	21:44:16
2	Sn 189.927†	3409.5	3311.0	502.11 ug/L	502.11 ppb	21:44:36
2	Ti 334.940†	226987.0	219739.8	498.65 ug/L	498.65 ppb	21:44:16
2	Tl 190.801†	943.8	940.4	503.94 ug/L	503.94 ppb	21:44:36
2	U 409.014†	7603.7	7437.8	486.03 ug/L	486.03 ppb	21:44:16
2	V 292.402†	43538.2	42465.2	508.78 ug/L	508.78 ppb	21:44:16
2	Zn 213.857†	36210.7	34708.6	499.41 ug/L	499.41 ppb	21:44:16
2	SiO2†	40047.7	38445.6	5423.4 ug/L	5423.4 ppb	21:45:19
3	Sc Radial	12595.3	12595.3	103 %		21:43:10
3	Y RADIAL	8737.6	8737.6	102.8 %		21:43:10
3	Al 396.153Radial†	4478.6	4366.7	4950.7 ug/L	4950.7 ppb	21:43:10
3	Ca 317.933Radial†	3956.5	3824.5	5169.6 ug/L	5169.6 ppb	21:43:10
3	Fe 238.204 Radial†	681.7	631.5	5178.1 ug/L	5178.1 ppb	21:43:30
3	K 766.490 Radial†	28977.4	27061.5	5117.1 ug/L	5117.1 ppb	21:43:10
3	Mg 279.077 IEC†	226.5	221.1	5153.1 ug/L	5153.1 ppb	21:43:30
3	Na 589.592 Radial†	119721.1	115638.4	10073 ug/L	10073 ppb	21:43:10
3	Sr 421.552†	113202.5	110389.8	514.87 ug/L	514.87 ppb	21:43:10
3	Sc 361.383	670334.3	670334.3	102.56 %		21:44:43
3	Y 371.029	439112.3	439112.3	101.55 %		21:44:43
3	Ag 328.068†	55330.3	53964.1	507.51 ug/L	507.51 ppb	21:44:48
3	As 188.979†	934.1	919.8	500.65 ug/L	500.65 ppb	21:45:08
3	B 249.677†	15110.3	14447.4	503.38 ug/L	503.38 ppb	21:44:48
3	Ba 233.527†	27213.0	26536.9	504.45 ug/L	504.45 ppb	21:44:48
3	Be 313.107†	781690.2	764148.1	504.10 ug/L	504.10 ppb	21:44:43
3	Cd 226.502†	30086.3	29415.9	500.81 ug/L	500.81 ppb	21:44:48
3	Co 228.616†	15168.0	14811.3	510.17 ug/L	510.17 ppb	21:44:48
3	Cr 267.716†	24286.6	23708.5	502.91 ug/L	502.91 ppb	21:44:48
3	Cu 324.752†	75168.1	70660.0	499.19 ug/L	499.19 ppb	21:44:48
3	Mn 257.610†	190192.6	185305.8	500.76 ug/L	500.76 ppb	21:44:48
3	Mo 202.031†	10052.7	9755.4	505.17 ug/L	505.17 ppb	21:45:08
3	Ni 231.604†	13731.7	13237.9	505.14 ug/L	505.14 ppb	21:44:48
3	P 214.914†	2394.8	2455.7	2491.7 ug/L	2491.7 ppb	21:45:08
3	Pb 220.353†	3548.4	3391.7	501.58 ug/L	501.58 ppb	21:45:08
3	S 181.975 Axial†	852.8	785.4	1004.6 ug/L	1004.6 ppb	21:45:08
3	Sb 206.836†	1128.8	1075.7	511.63 ug/L	511.63 ppb	21:45:08
3	Se 196.026†	983.5	940.9	506.55 ug/L	506.55 ppb	21:45:08
3	Si 251.611†	39899.5	38465.5	2526.0 ug/L	2526.0 ppb	21:44:48
3	Sn 189.927†	3406.1	3321.2	503.66 ug/L	503.66 ppb	21:45:08
3	Ti 334.940†	225074.9	218777.3	496.47 ug/L	496.47 ppb	21:44:48
3	Tl 190.801†	943.4	943.7	505.72 ug/L	505.72 ppb	21:45:08
3	U 409.014†	7445.0	7313.3	477.85 ug/L	477.85 ppb	21:44:48
3	V 292.402†	43063.7	42175.6	505.35 ug/L	505.35 ppb	21:44:48
3	Zn 213.857†	35931.3	34580.1	497.58 ug/L	497.58 ppb	21:44:48
3	SiO2†	39978.7	38537.4	5436.3 ug/L	5436.3 ppb	21:45:25

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	670804.1	102.64 %	0.318			0.31%
Sc Radial	12584.6	102 %	0.2			0.16%
Y 371.029	439340.0	101.61 %	0.335			0.33%
Y RADIAL	8723.3	102.6 %	0.25			0.24%

Ag	328.068†	54258.8	510.29 ug/L	3.190	510.29 ppb	3.190	0.63%
	QC value within limits for Ag 328.068 Recovery = 102.06%						
Al	396.153Radial†	4366.5	4950.7 ug/L	18.01	4950.7 ppb	18.01	0.36%
	QC value within limits for Al 396.153Radial Recovery = 99.01%						
As	188.979†	919.9	500.68 ug/L	2.832	500.68 ppb	2.832	0.57%
	QC value within limits for As 188.979 Recovery = 100.14%						
B	249.677†	14534.9	506.43 ug/L	3.598	506.43 ppb	3.598	0.71%
	QC value within limits for B 249.677 Recovery = 101.29%						
Ba	233.527†	26757.2	508.64 ug/L	5.042	508.64 ppb	5.042	0.99%
	QC value within limits for Ba 233.527 Recovery = 101.73%						
Be	313.107†	767010.3	505.99 ug/L	1.672	505.99 ppb	1.672	0.33%
	QC value within limits for Be 313.107 Recovery = 101.20%						
Ca	317.933Radial†	3825.8	5171.4 ug/L	38.09	5171.4 ppb	38.09	0.74%
	QC value within limits for Ca 317.933Radial Recovery = 103.43%						
Cd	226.502†	29611.7	504.15 ug/L	4.014	504.15 ppb	4.014	0.80%
	QC value within limits for Cd 226.502 Recovery = 100.83%						
Co	228.616†	14935.3	514.43 ug/L	5.203	514.43 ppb	5.203	1.01%
	QC value within limits for Co 228.616 Recovery = 102.89%						
Cr	267.716†	23872.8	506.39 ug/L	4.064	506.39 ppb	4.064	0.80%
	QC value within limits for Cr 267.716 Recovery = 101.28%						
Cu	324.752†	71279.8	503.57 ug/L	4.533	503.57 ppb	4.533	0.90%
	QC value within limits for Cu 324.752 Recovery = 100.71%						
Fe	238.204 Radial†	630.9	5173.2 ug/L	20.62	5173.2 ppb	20.62	0.40%
	QC value within limits for Fe 238.204 Radial Recovery = 103.46%						
K	766.490 Radial†	26924.9	5091.3 ug/L	22.53	5091.3 ppb	22.53	0.44%
	QC value within limits for K 766.490 Radial Recovery = 101.83%						
Mg	279.077 IEC†	217.7	5074.4 ug/L	78.50	5074.4 ppb	78.50	1.55%
	QC value within limits for Mg 279.077 IEC Recovery = 101.49%						
Mn	257.610†	186786.4	504.75 ug/L	4.528	504.75 ppb	4.528	0.90%
	QC value within limits for Mn 257.610 Recovery = 100.95%						
Mo	202.031†	9745.2	504.64 ug/L	1.858	504.64 ppb	1.858	0.37%
	QC value within limits for Mo 202.031 Recovery = 100.93%						
Na	589.592 Radial†	115544.1	10065 ug/L	7.1	10065 ppb	7.1	0.07%
	QC value within limits for Na 589.592 Radial Recovery = 100.65%						
Ni	231.604†	13342.9	509.15 ug/L	4.233	509.15 ppb	4.233	0.83%
	QC value within limits for Ni 231.604 Recovery = 101.83%						
P	214.914†	2455.3	2491.2 ug/L	15.06	2491.2 ppb	15.06	0.60%
	QC value within limits for P 214.914 Recovery = 99.65%						
Pb	220.353†	3396.3	502.26 ug/L	2.522	502.26 ppb	2.522	0.50%
	QC value within limits for Pb 220.353 Recovery = 100.45%						
S	181.975 Axial†	785.7	1004.9 ug/L	1.15	1004.9 ppb	1.15	0.11%
	QC value within limits for S 181.975 Axial Recovery = 100.49%						
Sb	206.836†	1064.1	506.03 ug/L	5.499	506.03 ppb	5.499	1.09%
	QC value within limits for Sb 206.836 Recovery = 101.21%						
Se	196.026†	944.0	508.17 ug/L	3.416	508.17 ppb	3.416	0.67%
	QC value within limits for Se 196.026 Recovery = 101.63%						
Si	251.611†	38910.3	2555.3 ug/L	31.60	2555.3 ppb	31.60	1.24%
	QC value within limits for Si 251.611 Recovery = 102.21%						
Sn	189.927†	3319.2	503.35 ug/L	1.122	503.35 ppb	1.122	0.22%
	QC value within limits for Sn 189.927 Recovery = 100.67%						
Sr	421.552†	110288.6	514.40 ug/L	0.518	514.40 ppb	0.518	0.10%
	QC value within limits for Sr 421.552 Recovery = 102.88%						
Ti	334.940†	220276.0	499.86 ug/L	4.138	499.86 ppb	4.138	0.83%
	QC value within limits for Ti 334.940 Recovery = 99.97%						
Tl	190.801†	941.9	504.75 ug/L	0.896	504.75 ppb	0.896	0.18%
	QC value within limits for Tl 190.801 Recovery = 100.95%						
U	409.014†	7394.0	483.15 ug/L	4.590	483.15 ppb	4.590	0.95%
	QC value within limits for U 409.014 Recovery = 96.63%						
V	292.402†	42527.3	509.53 ug/L	4.603	509.53 ppb	4.603	0.90%
	QC value within limits for V 292.402 Recovery = 101.91%						
Zn	213.857†	34787.3	500.56 ug/L	3.691	500.56 ppb	3.691	0.74%
	QC value within limits for Zn 213.857 Recovery = 100.11%						
SiO2†		38516.3	5433.3 ug/L	8.88	5433.3 ppb	8.88	0.16%
	QC value within limits for SiO2 Recovery = 101.61%						
All analyte(s) passed QC.							

Sequence No.: 9

Sample ID: CCB

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 8

Date Collected: 1/22/2008 21:47:35

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Sc Radial	12462.9	12462.9	101 %		21:49:29
1	Y RADIAL	8669.9	8669.9	102.0 %		21:49:29
1	Al 396.153Radial†	9.3	6.9	7.4188 ug/L	7.4188 ppb	21:49:49
1	Ca 317.933Radial†	43.8	8.0	10.770 ug/L	10.770 ppb	21:49:49
1	Fe 238.204 Radial†	33.9	-0.1	-1.0282 ug/L	-1.0282 ppb	21:49:49
1	K 766.490 Radial†	1077.1	-144.6	-27.356 ug/L	-27.356 ppb	21:49:29
1	Mg 279.077 IEC†	-0.8	-0.7	-17.307 ug/L	-17.307 ppb	21:49:49
1	Na 589.592 Radial†	264.2	-891.6	-77.664 ug/L	-77.664 ppb	21:49:29
1	Sr 421.552†	100.9	57.8	0.2696 ug/L	0.2696 ppb	21:49:29
1	Sc 361.383	658264.8	658264.8	100.72 %		21:50:47
1	Y 371.029	436389.7	436389.7	100.92 %		21:50:47
1	Ag 328.068†	-4.9	11.9	0.1085 ug/L	0.1085 ppb	21:50:52
1	As 188.979†	-7.2	2.0	1.0674 ug/L	1.0674 ppb	21:51:13
1	B 249.677†	373.8	85.9	2.9940 ug/L	2.9940 ppb	21:51:13
1	Ba 233.527†	14.2	18.3	0.3457 ug/L	0.3457 ppb	21:51:13
1	Be 313.107†	-1822.1	187.3	0.1236 ug/L	0.1236 ppb	21:50:52
1	Cd 226.502†	-66.7	15.3	0.2647 ug/L	0.2647 ppb	21:51:13
1	Co 228.616†	-15.2	7.3	0.2549 ug/L	0.2549 ppb	21:51:13
1	Cr 267.716†	-28.7	0.5	0.0094 ug/L	0.0094 ppb	21:51:13
1	Cu 324.752†	2604.1	-43.6	-0.3083 ug/L	-0.3083 ppb	21:50:52
1	Mn 257.610†	185.8	51.5	0.1389 ug/L	0.1389 ppb	21:51:13
1	Mo 202.031†	79.6	33.0	1.7105 ug/L	1.7105 ppb	21:51:13
1	Ni 231.604†	147.8	-3.8	-0.1460 ug/L	-0.1460 ppb	21:51:13
1	P 214.914†	-119.3	2.4	2.4058 ug/L	2.4058 ppb	21:51:13
1	Pb 220.353†	66.2	-2.3	-0.3401 ug/L	-0.3401 ppb	21:51:13
1	S 181.975 Axial†	39.9	-6.4	-8.2314 ug/L	-8.2314 ppb	21:51:13
1	Sb 206.836†	40.0	14.9	7.1257 ug/L	7.1257 ppb	21:51:13
1	Se 196.026†	8.6	-9.4	-4.9582 ug/L	-4.9582 ppb	21:51:13
1	Si 251.611†	522.8	82.3	5.3931 ug/L	5.3931 ppb	21:51:13
1	Sn 189.927†	-3.1	-2.9	-0.4329 ug/L	-0.4329 ppb	21:51:13
1	Ti 334.940†	879.0	201.0	0.4527 ug/L	0.4527 ppb	21:50:52
1	Tl 190.801†	-26.2	-2.1	-1.1117 ug/L	-1.1117 ppb	21:51:13
1	U 409.014†	77.1	130.9	8.6138 ug/L	8.6138 ppb	21:50:52
1	V 292.402†	-210.6	-20.9	-0.2196 ug/L	-0.2196 ppb	21:50:52
1	Zn 213.857†	458.5	2.2	0.0334 ug/L	0.0334 ppb	21:51:13
1	SiO2†	479.0	33.5	4.7327 ug/L	4.7327 ppb	21:52:35
2	Sc Radial	12453.7	12453.7	101 %		21:49:54
2	Y RADIAL	8691.1	8691.1	102.2 %		21:49:54
2	Al 396.153Radial†	8.3	5.9	6.3057 ug/L	6.3057 ppb	21:50:14
2	Ca 317.933Radial†	40.7	4.9	6.6361 ug/L	6.6361 ppb	21:50:14
2	Fe 238.204 Radial†	33.7	-0.2	-2.0128 ug/L	-2.0128 ppb	21:50:14
2	K 766.490 Radial†	1014.6	-205.4	-38.865 ug/L	-38.865 ppb	21:49:54
2	Mg 279.077 IEC†	0.6	0.7	16.149 ug/L	16.149 ppb	21:50:14
2	Na 589.592 Radial†	321.1	-835.2	-72.753 ug/L	-72.753 ppb	21:49:54
2	Sr 421.552†	109.2	66.2	0.3085 ug/L	0.3085 ppb	21:49:54
2	Sc 361.383	659570.7	659570.7	100.92 %		21:51:18
2	Y 371.029	437488.8	437488.8	101.18 %		21:51:18
2	Ag 328.068†	-48.6	-31.4	-0.2900 ug/L	-0.2900 ppb	21:51:23
2	As 188.979†	-12.8	-3.6	-1.9640 ug/L	-1.9640 ppb	21:51:44
2	B 249.677†	385.6	96.9	3.3767 ug/L	3.3767 ppb	21:51:44
2	Ba 233.527†	2.1	6.2	0.1186 ug/L	0.1186 ppb	21:51:44
2	Be 313.107†	-1846.4	166.8	0.1100 ug/L	0.1100 ppb	21:51:23
2	Cd 226.502†	-67.7	14.5	0.2486 ug/L	0.2486 ppb	21:51:44
2	Co 228.616†	-17.9	4.7	0.1633 ug/L	0.1633 ppb	21:51:44
2	Cr 267.716†	-15.7	13.5	0.2854 ug/L	0.2854 ppb	21:51:44
2	Cu 324.752†	2574.4	-78.2	-0.5521 ug/L	-0.5521 ppb	21:51:23
2	Mn 257.610†	182.1	47.5	0.1281 ug/L	0.1281 ppb	21:51:44
2	Mo 202.031†	78.0	31.2	1.6172 ug/L	1.6172 ppb	21:51:44
2	Ni 231.604†	155.8	3.8	0.1459 ug/L	0.1459 ppb	21:51:44

2	P 214.914†	-127.0	-5.1	-5.1818 ug/L	-5.1818 ppb	21:51:44
2	Pb 220.353†	69.9	1.2	0.1801 ug/L	0.1801 ppb	21:51:44
2	S 181.975 Axial†	38.1	-8.3	-10.662 ug/L	-10.662 ppb	21:51:44
2	Sb 206.836†	33.0	7.9	3.7682 ug/L	3.7682 ppb	21:51:44
2	Se 196.026†	8.7	-9.4	-4.9489 ug/L	-4.9489 ppb	21:51:44
2	Si 251.611†	509.4	68.1	4.4551 ug/L	4.4551 ppb	21:51:44
2	Sn 189.927†	4.3	4.5	0.6784 ug/L	0.6784 ppb	21:51:44
2	Ti 334.940†	828.2	148.9	0.3373 ug/L	0.3373 ppb	21:51:23
2	Tl 190.801†	-29.4	-5.2	-2.7825 ug/L	-2.7825 ppb	21:51:44
2	U 409.014†	-21.7	32.8	2.1595 ug/L	2.1595 ppb	21:51:23
2	V 292.402†	-162.6	27.1	0.3392 ug/L	0.3392 ppb	21:51:23
2	Zn 213.857†	458.7	1.5	0.0213 ug/L	0.0213 ppb	21:51:44
2	SiO2†	483.1	36.6	5.1700 ug/L	5.1700 ppb	21:52:55
3	Sc Radial	12323.9	12323.9	100 %		21:50:20
3	Y RADIAL	8624.8	8624.8	101.4 %		21:50:20
3	Al 396.153Radial†	12.6	10.2	11.764 ug/L	11.764 ppb	21:50:40
3	Ca 317.933Radial†	38.3	3.0	4.0114 ug/L	4.0114 ppb	21:50:40
3	Fe 238.204 Radial†	34.1	0.5	3.8001 ug/L	3.8001 ppb	21:50:40
3	K 766.490 Radial†	1203.1	-7.0	-1.3195 ug/L	-1.3195 ppb	21:50:20
3	Mg 279.077 IEC†	0.2	0.3	5.9576 ug/L	5.9576 ppb	21:50:40
3	Na 589.592 Radial†	289.5	-863.5	-75.213 ug/L	-75.213 ppb	21:50:20
3	Sr 421.552†	112.6	70.7	0.3298 ug/L	0.3298 ppb	21:50:20
3	Sc 361.383	656434.9	656434.9	100.44 %		21:51:49
3	Y 371.029	435655.5	435655.5	100.75 %		21:51:49
3	Ag 328.068†	-37.4	-20.5	-0.1902 ug/L	-0.1902 ppb	21:51:54
3	As 188.979†	-15.7	-6.5	-3.5493 ug/L	-3.5493 ppb	21:52:14
3	B 249.677†	373.3	86.5	3.0137 ug/L	3.0137 ppb	21:52:14
3	Ba 233.527†	7.6	11.7	0.2213 ug/L	0.2213 ppb	21:52:14
3	Be 313.107†	-1904.2	100.5	0.0663 ug/L	0.0663 ppb	21:51:54
3	Cd 226.502†	-71.9	10.0	0.1716 ug/L	0.1716 ppb	21:52:14
3	Co 228.616†	-19.8	2.7	0.0946 ug/L	0.0946 ppb	21:52:14
3	Cr 267.716†	-25.3	3.8	0.0811 ug/L	0.0811 ppb	21:52:14
3	Cu 324.752†	2615.6	-24.9	-0.1760 ug/L	-0.1760 ppb	21:51:54
3	Mn 257.610†	173.6	39.9	0.1082 ug/L	0.1082 ppb	21:52:14
3	Mo 202.031†	62.9	16.6	0.8592 ug/L	0.8592 ppb	21:52:14
3	Ni 231.604†	150.7	-0.5	-0.0198 ug/L	-0.0198 ppb	21:52:14
3	P 214.914†	-123.0	-1.7	-1.7492 ug/L	-1.7492 ppb	21:52:14
3	Pb 220.353†	68.6	0.3	0.0431 ug/L	0.0431 ppb	21:52:14
3	S 181.975 Axial†	41.7	-4.5	-5.7837 ug/L	-5.7837 ppb	21:52:14
3	Sb 206.836†	35.5	10.5	5.0003 ug/L	5.0003 ppb	21:52:14
3	Se 196.026†	17.5	-0.5	-0.2591 ug/L	-0.2591 ppb	21:52:14
3	Si 251.611†	483.2	44.4	2.9105 ug/L	2.9105 ppb	21:52:14
3	Sn 189.927†	-2.9	-2.7	-0.4076 ug/L	-0.4076 ppb	21:52:14
3	Ti 334.940†	823.1	147.7	0.3336 ug/L	0.3336 ppb	21:51:54
3	Tl 190.801†	-28.9	-4.9	-2.6246 ug/L	-2.6246 ppb	21:52:14
3	U 409.014†	2.0	56.4	3.7088 ug/L	3.7088 ppb	21:51:54
3	V 292.402†	-182.8	6.3	0.0871 ug/L	0.0871 ppb	21:51:54
3	Zn 213.857†	451.0	-4.0	-0.0589 ug/L	-0.0589 ppb	21:52:14
3	SiO2†	479.2	35.1	4.9471 ug/L	4.9471 ppb	21:53:15

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	658090.1	100.69 %	0.241			0.24%
Sc Radial	12413.5	101 %	0.6			0.63%
Y 371.029	436511.4	100.95 %	0.213			0.21%
Y RADIAL	8661.9	101.9 %	0.40			0.39%
Ag 328.068†	-13.3	-0.1239 ug/L	0.20736	-0.1239 ppb	0.20736	167.39%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 396.153Radial†	7.7	8.4961 ug/L	2.88423	8.4961 ppb	2.88423	33.95%
QC value within limits for Al 396.153Radial Recovery = Not calculated						
As 188.979†	-2.7	-1.4820 ug/L	2.34579	-1.4820 ppb	2.34579	158.29%
QC value within limits for As 188.979 Recovery = Not calculated						
B 249.677†	89.8	3.1281 ug/L	0.21546	3.1281 ppb	0.21546	6.89%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	12.0	0.2285 ug/L	0.11373	0.2285 ppb	0.11373	49.77%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	151.6	0.1000 ug/L	0.02992	0.1000 ppb	0.02992	29.93%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933Radial†	5.3	7.1393 ug/L	3.40754	7.1393 ppb	3.40754	47.73%

QC value within limits for Ca 317.933 Radial Recovery = Not calculated							
Cd	226.502†	13.3	0.2283 ug/L	0.04974	0.2283 ppb	0.04974	21.79%
QC value within limits for Cd 226.502 Recovery = Not calculated							
Co	228.616†	4.9	0.1709 ug/L	0.08041	0.1709 ppb	0.08041	47.05%
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr	267.716†	5.9	0.1253 ug/L	0.14323	0.1253 ppb	0.14323	114.32%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu	324.752†	-48.9	-0.3454 ug/L	0.19080	-0.3454 ppb	0.19080	55.23%
QC value within limits for Cu 324.752 Recovery = Not calculated							
Fe	238.204 Radial†	0.0	0.2530 ug/L	3.11103	0.2530 ppb	3.11103	>999.9%
QC value within limits for Fe 238.204 Radial Recovery = Not calculated							
K	766.490 Radial†	-119.0	-22.514 ug/L	19.2357	-22.514 ppb	19.2357	85.44%
QC value within limits for K 766.490 Radial Recovery = Not calculated							
Mg	279.077 IEC†	0.1	1.5998 ug/L	17.14874	1.5998 ppb	17.14874	>999.9%
QC value within limits for Mg 279.077 IEC Recovery = Not calculated							
Mn	257.610†	46.3	0.1250 ug/L	0.01559	0.1250 ppb	0.01559	12.46%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo	202.031†	27.0	1.3956 ug/L	0.46692	1.3956 ppb	0.46692	33.46%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na	589.592 Radial†	-863.4	-75.210 ug/L	2.4555	-75.210 ppb	2.4555	3.26%
QC value within limits for Na 589.592 Radial Recovery = Not calculated							
Ni	231.604†	-0.2	-0.0066 ug/L	0.14641	-0.0066 ppb	0.14641	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated							
P	214.914†	-1.5	-1.5084 ug/L	3.79951	-1.5084 ppb	3.79951	251.89%
QC value within limits for P 214.914 Recovery = Not calculated							
Pb	220.353†	-0.3	-0.0389 ug/L	0.26965	-0.0389 ppb	0.26965	692.36%
QC value within limits for Pb 220.353 Recovery = Not calculated							
S	181.975 Axial†	-6.4	-8.2255 ug/L	2.43896	-8.2255 ppb	2.43896	29.65%
QC value within limits for S 181.975 Axial Recovery = Not calculated							
Sb	206.836†	11.1	5.2981 ug/L	1.69846	5.2981 ppb	1.69846	32.06%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se	196.026†	-6.4	-3.3887 ug/L	2.71034	-3.3887 ppb	2.71034	79.98%
QC value within limits for Se 196.026 Recovery = Not calculated							
Si	251.611†	64.9	4.2529 ug/L	1.25362	4.2529 ppb	1.25362	29.48%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn	189.927†	-0.4	-0.0540 ug/L	0.63440	-0.0540 ppb	0.63440	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr	421.552†	64.9	0.3026 ug/L	0.03054	0.3026 ppb	0.03054	10.09%
QC value within limits for Sr 421.552 Recovery = Not calculated							
Ti	334.940†	165.9	0.3745 ug/L	0.06774	0.3745 ppb	0.06774	18.08%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl	190.801†	-4.0	-2.1729 ug/L	0.92243	-2.1729 ppb	0.92243	42.45%
QC value within limits for Tl 190.801 Recovery = Not calculated							
U	409.014†	73.4	4.8274 ug/L	3.36940	4.8274 ppb	3.36940	69.80%
QC value within limits for U 409.014 Recovery = Not calculated							
V	292.402†	4.2	0.0689 ug/L	0.27987	0.0689 ppb	0.27987	406.16%
QC value within limits for V 292.402 Recovery = Not calculated							
Zn	213.857†	-0.1	-0.0014 ug/L	0.05018	-0.0014 ppb	0.05018	>999.9%
QC value within limits for Zn 213.857 Recovery = Not calculated							
SiO2†		35.1	4.9500 ug/L	0.21868	4.9500 ppb	0.21868	4.42%
QC value within limits for SiO2 Recovery = Not calculated							
All analyte(s) passed QC.							

Method Name: WATER1
 Method Description: 7470A, 245.2, ILM04 ANALYST ETL
 Element: Hg

Date: 02/01/2008
 Technique: FI-MHS
 Calibration Type:
 Hg, Calc. Intercept : Linear
 Wavelength: 253.7 nm
 Sample Info Name: 020108W1.SIF

Results Data Set Name: 020108W1

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 02/01/2008
 Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Height	Time	Peak Stored
1			0.0024	0.0024	08:42:43	No
2			0.0023	0.0023	08:43:18	No
Mean:			0.0024			
SD :			0.0001			
%RSD:			3.3512			

Auto-zero performed.

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 02/01/2008
 Sample ID: S0.2

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Height	Time	Peak Stored
1			0.0029	0.0052	08:44:42	No
2			0.0028	0.0051	08:45:17	No
Mean:			0.0028			
SD :			0.0001			
%RSD:			2.3778			

[Hg] Standard number 1 applied. [0.200]

Correlation Coefficient: 1.00000

Slope: 0.01406

Intercept : 0.00000

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 02/01/2008
 Sample ID: S0.5

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Height	Time	Peak Stored
1			0.0067	0.0091	08:46:40	No
2			0.0067	0.0090	08:47:14	No
Mean:			0.0067			
SD :			0.0000			
%RSD:			0.4237			

[Hg] Standard number 2 applied. [0.500]

Correlation Coefficient: 0.99974

Slope: 0.01335

Intercept : 0.00005

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 02/01/2008
 Sample ID: S2.0

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Height	Time	Peak Stored
1			0.0285	0.0308	08:48:39	No
2			0.0286	0.0310	08:49:14	No
Mean:			0.0286			
SD :			0.0001			
%RSD:			0.3847			

[Hg] Standard number 3 applied. [2.000]

Correlation Coefficient: 0.99987
Intercept : -0.00015

Slope: 0.01432

=====

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 02/01/2008
Sample ID: S5.0

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1			0.0704	0.0728	08:50:39	No
2			0.0708	0.0732	08:51:14	No
Mean:			0.0706			
SD :			0.0003			
%RSD:			0.4200			

[Hg] Standard number 4 applied. [5.000]
Correlation Coefficient: 0.99997 Slope: 0.01415
Intercept : -0.00006

=====

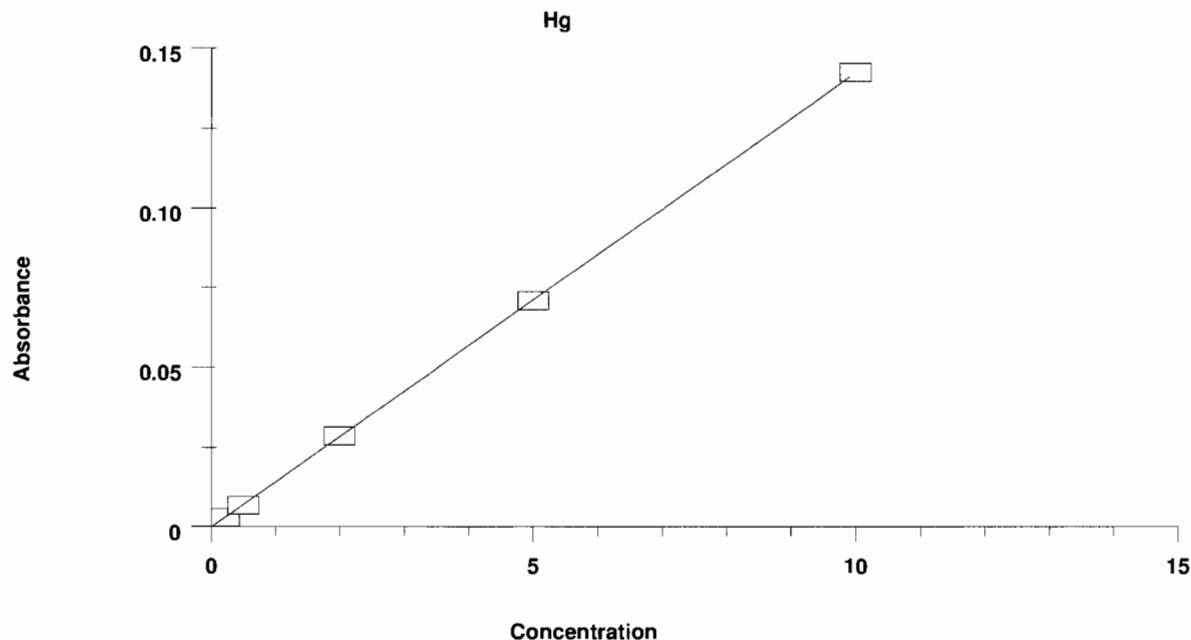
Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 02/01/2008
Sample ID: S10

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1			0.1430	0.1454	08:52:40	No
2			0.1419	0.1443	08:53:15	No
Mean:			0.1425			
SD :			0.0008			
%RSD:			0.5412			

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99999 Slope: 0.01424
Intercept : -0.00016

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.0024	---	---	---	---
S0.2	0.0028	0.200	0.209	0.0001	2.4
S0.5	0.0067	0.500	0.482	0.0000	0.4
S2.0	0.0286	2.000	2.016	0.0001	0.4
S5.0	0.0706	5.000	4.969	0.0003	0.4
S10	0.1425	10.000	10.01	0.0008	0.5
Correlation Coefficient: 0.99999		Slope:	0.01424	Intercept:	-0.0002



=====
 Element: Hg Seq. No.: 7 AS Loc.: 9 Date: 02/01/2008
 Sample ID: ICV

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	5.024	5.024	0.0714	0.0738	08:54:45	No
2	5.016	5.016	0.0713	0.0736	08:55:20	No
Mean:	5.020	5.020	0.0713			
SD :	0.0060	0.0060	0.0001			
%RSD:	0.1	0.1	0.1192			

QC value within specified limits.

=====
 Element: Hg Seq. No.: 8 AS Loc.: 10 Date: 02/01/2008
 Sample ID: ICB

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.003	-0.003	-0.0002	0.0022	08:56:43	No
2	-0.009	-0.009	-0.0003	0.0021	08:57:18	No
Mean:	-0.006	-0.006	-0.0003			
SD :	0.0044	0.0044	0.0001			
%RSD:	70.1	70.1	24.7721			

QC value within specified limits.

=====
 Element: Hg Seq. No.: 9 AS Loc.: 11 Date: 02/01/2008
 Sample ID: CRDL

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	0.199	0.199	0.0027	0.0050	08:58:41	No
2	0.191	0.191	0.0026	0.0049	08:59:16	No
Mean:	0.195	0.195	0.0026			
SD :	0.0055	0.0055	0.0001			
%RSD:	2.8	2.8	2.9809			

QC value within specified limits.

=====

Element: Hg Seq. No.: 10 AS Loc.: 7 Date: 02/01/2008
 Sample ID: CCV

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	5.023	5.023	0.0714	0.0737	09:00:41	No
2	4.967	4.967	0.0706	0.0729	09:01:16	No
Mean:	4.995	4.995	0.0710			
SD :	0.0397	0.0397	0.0006			
%RSD:	0.8	0.8	0.7958			

QC value within specified limits.

=====

Element: Hg Seq. No.: 11 AS Loc.: 8 Date: 02/01/2008
 Sample ID: CCB

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.012	-0.012	-0.0003	0.0020	09:02:44	No
2	-0.015	-0.015	-0.0004	0.0020	09:03:19	No
Mean:	-0.013	-0.013	-0.0004			
SD :	0.0020	0.0020	0.0000			
%RSD:	15.4	15.4	8.2278			

QC value within specified limits.

=====

Element: Hg Seq. No.: 12 AS Loc.: 12 Date: 02/01/2008
 Sample ID: 1201505477|i||722375|MB

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.014	-0.014	-0.0004	0.0020	09:04:45	No
2	-0.020	-0.020	-0.0005	0.0019	09:05:20	No
Mean:	-0.017	-0.017	-0.0004			
SD :	0.0045	0.0045	0.0001			
%RSD:	26.3	26.3	15.7613			

=====

Element: Hg Seq. No.: 13 AS Loc.: 13 Date: 02/01/2008
 Sample ID: 1201505478|i||LCS

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	2.027	2.027	0.0287	0.0311	09:06:45	No
2	2.013	2.013	0.0285	0.0309	09:07:20	No
Mean:	2.020	2.020	0.0286			
SD :	0.0102	0.0102	0.0001			
%RSD:	0.5	0.5	0.5070			

=====

Element: Hg Seq. No.: 14 AS Loc.: 14 Date: 02/01/2008
 Sample ID: 201805001|i|||

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	0.172	0.172	0.0023	0.0047	09:08:46	No
2	0.169	0.169	0.0022	0.0046	09:09:21	No
Mean:	0.171	0.171	0.0023			
SD :	0.0018	0.0018	0.0000			
%RSD:	1.1	1.1	1.1269			

=====

Element: Hg Seq. No.: 15 AS Loc.: 15 Date: 02/01/2008
 Sample ID: 1201505479|i|||DUP

%RSD: 24.2 24.2 14.8336

=====
 Element: Hg Seq. No.: 21 AS Loc.: 21 Date: 02/01/2008
 Sample ID: 1201497097|i|||DUP
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.009	-0.009	-0.0003	0.0021	09:22:35	No
2	-0.014	-0.014	-0.0004	0.0020	09:23:10	No
Mean:	-0.012	-0.012	-0.0003			
SD :	0.0033	0.0033	0.0000			
%RSD:	28.6	28.6	14.3164			

=====
 Element: Hg Seq. No.: 22 AS Loc.: 7 Date: 02/01/2008
 Sample ID: CCV
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	4.965	4.965	0.0706	0.0729	09:24:34	No
2	4.933	4.933	0.0701	0.0725	09:25:09	No
Mean:	4.949	4.949	0.0703			
SD :	0.0230	0.0230	0.0003			
%RSD:	0.5	0.5	0.4656			

QC value within specified limits.

=====
 Element: Hg Seq. No.: 23 AS Loc.: 8 Date: 02/01/2008
 Sample ID: CCB
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.019	-0.019	-0.0004	0.0019	09:26:37	No
2	-0.022	-0.022	-0.0005	0.0019	09:27:12	No
Mean:	-0.020	-0.020	-0.0005			
SD :	0.0021	0.0021	0.0000			
%RSD:	10.1	10.1	6.4840			

QC value within specified limits.

=====
 Element: Hg Seq. No.: 24 AS Loc.: 22 Date: 02/01/2008
 Sample ID: 1201497098|i|||MS
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	2.012	2.012	0.0285	0.0309	09:28:37	No
2	2.006	2.006	0.0284	0.0308	09:29:13	No
Mean:	2.009	2.009	0.0285			
SD :	0.0041	0.0041	0.0001			
%RSD:	0.2	0.2	0.2071			

=====
 Element: Hg Seq. No.: 25 AS Loc.: 23 Date: 02/01/2008
 Sample ID: 1201497099|i|5|SDILT
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.043	-0.043	-0.0008	0.0016	09:30:36	No
2	-0.048	-0.048	-0.0008	0.0015	09:31:10	No
Mean:	-0.045	-0.045	-0.0008			
SD :	0.0035	0.0035	0.0001			
%RSD:	7.8	7.8	6.2247			

=====
 Element: Hg Seq. No.: 26 AS Loc.: 24 Date: 02/01/2008
 Sample ID: 1201501379|i||720993|TB
 =====

%RSD: 7.0 7.0 5.2679

=====
 Element: Hg Seq. No.: 32 AS Loc.: 30 Date: 02/01/2008
 Sample ID: 1201502516|i|5|SDILT

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Peak Height	Time	Peak Stored
1	-0.034	-0.034	-0.0007	0.0017	09:44:38	No
2	-0.039	-0.039	-0.0007	0.0016	09:45:13	No
Mean:	-0.037	-0.037	-0.0007			
SD :	0.0032	0.0032	0.0000			
%RSD:	8.6	8.6	6.5413			

=====
 Element: Hg Seq. No.: 33 AS Loc.: 31 Date: 02/01/2008
 Sample ID: 201244002|i|

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Peak Height	Time	Peak Stored
1	-0.032	-0.032	-0.0006	0.0018	09:46:39	No
2	-0.036	-0.036	-0.0007	0.0017	09:47:14	No
Mean:	-0.034	-0.034	-0.0006			
SD :	0.0029	0.0029	0.0000			
%RSD:	8.5	8.5	6.3220			

=====
 Element: Hg Seq. No.: 34 AS Loc.: 7 Date: 02/01/2008
 Sample ID: CCV

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Peak Height	Time	Peak Stored
1	5.051	5.051	0.0718	0.0741	09:48:41	No
2	5.015	5.015	0.0713	0.0736	09:49:16	No
Mean:	5.033	5.033	0.0715			
SD :	0.0252	0.0252	0.0004			
%RSD:	0.5	0.5	0.5015			

QC value within specified limits.

=====
 Element: Hg Seq. No.: 35 AS Loc.: 8 Date: 02/01/2008
 Sample ID: CCB

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Peak Height	Time	Peak Stored
1	-0.026	-0.026	-0.0005	0.0018	09:50:44	No
2	-0.029	-0.029	-0.0006	0.0018	09:51:18	No
Mean:	-0.028	-0.028	-0.0006			
SD :	0.0019	0.0019	0.0000			
%RSD:	7.0	7.0	4.9684			

QC value within specified limits.

=====
 Element: Hg Seq. No.: 36 AS Loc.: 32 Date: 02/01/2008
 Sample ID: 1201502924|i||722902|TB

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Peak Height	Time	Peak Stored
1	-0.041	-0.041	-0.0008	0.0016	09:52:43	No
2	-0.041	-0.041	-0.0008	0.0016	09:53:18	No
Mean:	-0.041	-0.041	-0.0008			
SD :	0.0000	0.0000	0.0000			
%RSD:						

=====
 Element: Hg Seq. No.: 37 AS Loc.: 33 Date: 02/01/2008
 Sample ID: 1201506569|i||MB

%RSD: 0.7 0.7 0.5435

=====

Element: Hg Seq. No.: 43 AS Loc.: 39 Date: 02/01/2008
 Sample ID: 201241002|i|||

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.028	-0.028	-0.0006	0.0018	10:06:20	No
2	-0.031	-0.031	-0.0006	0.0018	10:06:54	No
Mean:	-0.030	-0.030	-0.0006			
SD :	0.0017	0.0017	0.0000			
%RSD:	5.9	5.9	4.2185			

=====

Element: Hg Seq. No.: 44 AS Loc.: 40 Date: 02/01/2008
 Sample ID: 201390001|i|||

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.011	-0.011	-0.0003	0.0020	10:08:18	No
2	-0.015	-0.015	-0.0004	0.0020	10:08:53	No
Mean:	-0.013	-0.013	-0.0004			
SD :	0.0026	0.0026	0.0000			
%RSD:	19.7	19.7	10.5211			

=====

Element: Hg Seq. No.: 45 AS Loc.: 41 Date: 02/01/2008
 Sample ID: 1201502926|i|||MS

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	1.395	1.395	0.0197	0.0221	10:10:17	No
2	1.387	1.387	0.0196	0.0220	10:10:52	No
Mean:	1.391	1.391	0.0196			
SD :	0.0054	0.0054	0.0001			
%RSD:	0.4	0.4	0.3947			

=====

Element: Hg Seq. No.: 46 AS Loc.: 7 Date: 02/01/2008
 Sample ID: CCV

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	5.016	5.016	0.0713	0.0736	10:12:17	No
2	5.018	5.018	0.0713	0.0737	10:12:51	No
Mean:	5.017	5.017	0.0713			
SD :	0.0017	0.0017	0.0000			
%RSD:						

QC value within specified limits.

=====

Element: Hg Seq. No.: 47 AS Loc.: 8 Date: 02/01/2008
 Sample ID: CCB

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.023	-0.023	-0.0005	0.0019	10:14:19	No
2	-0.023	-0.023	-0.0005	0.0019	10:14:53	No
Mean:	-0.023	-0.023	-0.0005			
SD :	0.0003	0.0003	0.0000			
%RSD:	1.3	1.3	0.8693			

QC value within specified limits.

=====

Element: Hg Seq. No.: 48 AS Loc.: 42 Date: 02/01/2008
 Sample ID: 1201502928|i|||MSD

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	1.423	1.423	0.0201	0.0225	10:16:20	No
2	1.420	1.420	0.0201	0.0224	10:16:55	No
Mean:	1.421	1.421	0.0201			
SD :	0.0022	0.0022	0.0000			
%RSD:	0.2	0.2	0.1547			

=====
 Element: Hg Seq. No.: 49 AS Loc.: 43 Date: 02/01/2008
 Sample ID: 1201506576|i|5||SDILT

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.034	-0.034	-0.0007	0.0017	10:18:20	No
2	-0.040	-0.040	-0.0007	0.0016	10:18:55	No
Mean:	-0.037	-0.037	-0.0007			
SD :	0.0041	0.0041	0.0001			
%RSD:	11.2	11.2	8.5378			

=====
 Element: Hg Seq. No.: 50 AS Loc.: 44 Date: 02/01/2008
 Sample ID: 201390002|i|||

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.038	-0.038	-0.0007	0.0017	10:20:20	No
2	-0.042	-0.042	-0.0008	0.0016	10:20:55	No
Mean:	-0.040	-0.040	-0.0007			
SD :	0.0025	0.0025	0.0000			
%RSD:	6.1	6.1	4.7783			

=====
 Element: Hg Seq. No.: 51 AS Loc.: 45 Date: 02/01/2008
 Sample ID: 1201500875|i||720187|MB

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.037	-0.037	-0.0007	0.0017	10:22:21	No
2	-0.038	-0.038	-0.0007	0.0017	10:22:56	No
Mean:	-0.037	-0.037	-0.0007			
SD :	0.0009	0.0009	0.0000			
%RSD:	2.3	2.3	1.7521			

=====
 Element: Hg Seq. No.: 52 AS Loc.: 46 Date: 02/01/2008
 Sample ID: 1201500876|i|||LCS

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	2.092	2.092	0.0296	0.0320	10:24:22	No
2	2.074	2.074	0.0294	0.0317	10:24:57	No
Mean:	2.083	2.083	0.0295			
SD :	0.0130	0.0130	0.0002			
%RSD:	0.6	0.6	0.6276			

=====
 Element: Hg Seq. No.: 53 AS Loc.: 47 Date: 02/01/2008
 Sample ID: 201226001|i|||

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	0.026	0.026	0.0002	0.0026	10:26:25	No
2	0.022	0.022	0.0001	0.0025	10:27:00	No
Mean:	0.024	0.024	0.0002			
SD :	0.0031	0.0031	0.0000			

%RSD: 13.0 13.0 24.9111

=====
 Element: Hg Seq. No.: 54 AS Loc.: 48 Date: 02/01/2008
 Sample ID: 1201500877|i|||DUP
 =====

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	0.054	0.054	0.0006	0.0030	10:28:24	No
2	0.051	0.051	0.0006	0.0029	10:28:59	No
Mean:	0.053	0.053	0.0006			
SD :	0.0025	0.0025	0.0000			
%RSD:	4.8	4.8	6.1997			

=====
 Element: Hg Seq. No.: 55 AS Loc.: 49 Date: 02/01/2008
 Sample ID: 1201500878|i|||MS
 =====

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	2.225	2.225	0.0315	0.0339	10:30:19	No
2	2.217	2.217	0.0314	0.0338	10:30:53	No
Mean:	2.221	2.221	0.0315			
SD :	0.0053	0.0053	0.0001			
%RSD:	0.2	0.2	0.2387			

=====
 Element: Hg Seq. No.: 56 AS Loc.: 50 Date: 02/01/2008
 Sample ID: 1201500879|i|5||SDILT
 =====

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.026	-0.026	-0.0005	0.0018	10:32:13	No
2	-0.029	-0.029	-0.0006	0.0018	10:32:48	No
Mean:	-0.028	-0.028	-0.0006			
SD :	0.0018	0.0018	0.0000			
%RSD:	6.5	6.5	4.6250			

=====
 Element: Hg Seq. No.: 57 AS Loc.: 51 Date: 02/01/2008
 Sample ID: 1201504696|i||722715|TB
 =====

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	-0.030	-0.030	-0.0006	0.0018	10:34:09	No
2	-0.024	-0.024	-0.0005	0.0019	10:34:44	No
Mean:	-0.027	-0.027	-0.0006			
SD :	0.0047	0.0047	0.0001			
%RSD:	17.4	17.4	12.2263			

=====
 Element: Hg Seq. No.: 58 AS Loc.: 7 Date: 02/01/2008
 Sample ID: CCV
 =====

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Height	Time	Peak Stored
1	5.054	5.054	0.0718	0.0742	10:36:08	No
2	5.055	5.055	0.0718	0.0742	10:36:43	No
Mean:	5.054	5.054	0.0718			
SD :	0.0006	0.0006	0.0000			
%RSD:						

QC value within specified limits.

=====
 Element: Hg Seq. No.: 59 AS Loc.: 8 Date: 02/01/2008
 Sample ID: CCB
 =====

Repl #	SampleConc µg/L	StdndConc µg/L	BlndCorr Signal	Peak Height	Time	Peak Stored
1	-0.036	-0.036	-0.0007	0.0017	10:38:12	No
2	-0.038	-0.038	-0.0007	0.0017	10:38:47	No
Mean:	-0.037	-0.037	-0.0007			
SD :	0.0012	0.0012	0.0000			
%RSD:	3.1	3.1	2.3916			

QC value within specified limits.

=====

Element: Hg Seq. No.: 60 AS Loc.: 52 Date: 02/01/2008
Sample ID: 1201506145|i|||MB

Repl #	SampleConc µg/L	StdndConc µg/L	BlndCorr Signal	Peak Height	Time	Peak Stored
1	-0.039	-0.039	-0.0007	0.0017	10:40:11	No
2	-0.043	-0.043	-0.0008	0.0016	10:40:46	No
Mean:	-0.041	-0.041	-0.0007			
SD :	0.0032	0.0032	0.0000			
%RSD:	7.9	7.9	6.1445			

=====

Element: Hg Seq. No.: 61 AS Loc.: 53 Date: 02/01/2008
Sample ID: 1201506146|i|||LCS

Repl #	SampleConc µg/L	StdndConc µg/L	BlndCorr Signal	Peak Height	Time	Peak Stored
1	2.062	2.062	0.0292	0.0316	10:42:08	No
2	2.059	2.059	0.0292	0.0315	10:42:43	No
Mean:	2.061	2.061	0.0292			
SD :	0.0023	0.0023	0.0000			
%RSD:	0.1	0.1	0.1143			

=====

Element: Hg Seq. No.: 62 AS Loc.: 54 Date: 02/01/2008
Sample ID: 201423001|i|||

Repl #	SampleConc µg/L	StdndConc µg/L	BlndCorr Signal	Peak Height	Time	Peak Stored
1	-0.041	-0.041	-0.0008	0.0016	10:44:06	No
2	-0.046	-0.046	-0.0008	0.0015	10:44:41	No
Mean:	-0.044	-0.044	-0.0008			
SD :	0.0036	0.0036	0.0001			
%RSD:	8.1	8.1	6.4377			

=====

Element: Hg Seq. No.: 63 AS Loc.: 55 Date: 02/01/2008
Sample ID: 201423002|i|||

Repl #	SampleConc µg/L	StdndConc µg/L	BlndCorr Signal	Peak Height	Time	Peak Stored
1	-0.058	-0.058	-0.0010	0.0014	10:46:04	No
2	-0.064	-0.064	-0.0011	0.0013	10:46:39	No
Mean:	-0.061	-0.061	-0.0010			
SD :	0.0041	0.0041	0.0001			
%RSD:	6.7	6.7	5.6365			

=====

Element: Hg Seq. No.: 64 AS Loc.: 56 Date: 02/01/2008
Sample ID: 201423003|i|||

Repl #	SampleConc µg/L	StdndConc µg/L	BlndCorr Signal	Peak Height	Time	Peak Stored
1	-0.059	-0.059	-0.0010	0.0014	10:48:03	No
2	-0.062	-0.062	-0.0011	0.0013	10:48:38	No
Mean:	-0.061	-0.061	-0.0010			
SD :	0.0025	0.0025	0.0000			

Miscellaneous

Prep LogBook

Analyst: JXL1 Verified by: _____

Batch: 719713

Lab SOP: GL-MA-E-006 REV# 9

Type	Sample Id	Lot. Id	Spike Amount	Spike Units
LCS	1201500002	UI715747-01	.25	mL
LCS	1201500002	UI715749-06	.25	mL
MS	1201500004	UI715747-01	.25	mL
MS	1201500004	UI715749-06	.25	mL

Sample Type	Sample ID	Parent Sample ID	Method	Prep Date	Initial Wt.	Final Volume	Prep Factor	Matrix
MB	1201500001		SW846 3005A	22-JAN-2008 09:00	50 mL	50 mL	1	GROUND WATER
LCS	1201500002		SW846 3005A	22-JAN-2008 09:00	50 mL	50 mL	1	GROUND WATER
SAMPLE	201226001		SW846 3005A	22-JAN-2008 09:00	50 mL	50 mL	1	GROUND WATER
DUP	1201500003	201226001	SW846 3005A	22-JAN-2008 09:00	50 mL	50 mL	1	GROUND WATER
MS	1201500004	201226001	SW846 3005A	22-JAN-2008 09:00	50 mL	50 mL	1	GROUND WATER
SDILT	1201500005	201226001	SW846 3005A	22-JAN-2008 09:00	50 mL	50 mL	1	GROUND WATER

Comments

Reagent/Solvent Lot ID	Amount	Description
726372	2.5 mL	HYDROCHLORIC ACID
721391	1 mL	Nitric Acid CONC.

Prep LogBook

Analyst: TXB3
 Batch: 720184
 Lab SOP: GL-MA-E-010 REV# 18
 Verified by: _____

Sample Type	Sample ID	Parent Sample ID	Method	Prep Date	Type	Sample Id	Lot. Id	Spike Amount	Spike Units
MB	1201500875		SW846 7470A Prep	31-JAN-2008 15:35	LCS	1201500876	WHG080131-13	.2	mL
LCS	1201500876		SW846 7470A Prep	31-JAN-2008 15:35	MS	1201500878	WHG080131-13	.2	mL
SAMPLE	201226001		SW846 7470A Prep	31-JAN-2008 15:35					
DUP	1201500877	201226001	SW846 7470A Prep	31-JAN-2008 15:35					
MS	1201500878	201226001	SW846 7470A Prep	31-JAN-2008 15:35					
SDILT	1201500879	201226001	SW846 7470A Prep	31-JAN-2008 15:35					

Comments Digestion Start Date: 31-JAN-08 15:35
 Digestion End Date: 31-JAN-08 17:35

Reagent/Solvent Lot ID	Amount	Description
723056	1 mL	Sulfuric Acid, Concentrated
730737-1	.5 mL	NITRIC ACID
722731-C	1.5 mL	5% Potassium Persulfate
731722-C	3 mL	5% KMnO4 solution
722736-C	1 mL	Hg reducing agent
WHG080131-06	500 uL	Mercury Working 2nd Source 5.0/ICV
WHG080131-01	20 uL	Mercury Working 1st Source CAL 0.2/CRA
WHG080131-02	50 uL	Mercury Working 1st Source CAL 0.5
WHG080131-05	1 mL	Mercury Working 1st Source CAL 10.0
WHG080131-03	200 uL	Mercury Working 1st Source CAL 2.0
WHG080131-04	500 uL	Mercury Working 1st Source CAL 5.0/CCV