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ANNUAL MONITORING REPORT
APRIL 2016 SAMPLING EVENT

Flushing Industrial Park

Parcels 1-3

Project Number: 30141

July 2016

Flushing Industrial Park

Parcels 1-3

FLUSHING, NEW YORK

Annual Monitoring Report

April 2016 Sampling Event

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Prepared for:

NYSDEC – Region 2
Division of Environmental Remediation
47-20 21st Street
Long Island City, New York 11101

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1.0 INTRODUCTION

This Annual Monitoring Report has been prepared by AKRF Engineering, P.C. (AKRF) to summarize the groundwater monitoring performed at the Flushing Industrial Park (Eastern), Parcel 1 (BCP Site No. C241051), Flushing Industrial Park (Western), Parcel 2 (BCP Site No. C241078), and Flushing Industrial Park (Western Waterfront), Parcel 3 (BCP Site No. C241079), during the April 2016 sampling event. These three Parcels, in combination with Flushing Industrial Park (Flushing River), Parcel 4 (former BCP Site No. C241080), comprise approximately 13.6 acres located on the northwestern corner of College Point Boulevard and 40th Road, in Flushing, Queens, New York (collectively, the Property). The Property location is shown on Figure 1.

In 2001, C.E. Flushing, LLC (the initial Volunteer) entered into a Voluntary Cleanup Agreement with the New York State Department of Environmental Conservation (NYSDEC) with regard to the Property. By letter dated April 2, 2004, the Volunteer requested transition from the Voluntary Cleanup Program to the Brownfield Cleanup Program (BCP) for completion of the remedial program for the Property. In December 2004, the Volunteer entered into separate Brownfield Cleanup Agreements (BCAs) with NYSDEC for each of four Parcels – each one generally matching the former operable unit (OU). Amended BCAs to revise the Volunteers were executed in June 2005, December 2006, April 2007 and November 2007. Remedial activities performed in 2006 and 2007 included the removal of contaminated materials and structures (including soil, light non-aqueous phase liquid (LNAPL), ASTs and USTs, drainage structures and geophysical anomalies, as needed). The remedy also included installation of a site cover (consisting of concrete, asphalt or 2 feet of clean fill) across the site and installation of a vapor mitigation system (consisting of a vapor barrier and sub-slab depressurization system) beneath the portion of the Parcel 2 structure with retail use on the ground floor. An Environmental Easement was filed to prevent future exposure to any residual contamination remaining. In December 2007, Final Engineering Reports (FERs) and Site Management Plans (SMPs) were submitted for Parcels 1, 2 and 3, and NYSDEC granted Certificates of Completion for Parcels 1, 2 and 3.

Under the SMPs, post-remediation groundwater natural attenuation monitoring was performed starting in October 2006. In February 2013, NYSDEC approved a request for reduction in the list of analytical parameters (to total PCBs only) and in the sampling frequency (from quarterly to semi-annually). The change in groundwater sampling protocol was detailed in Revised SMPs, dated April 2013, which also included changes to the SMP text, Quality Assurance Project Plan (QAPP) appendix, and Figure 13 - Post-Remediation Monitoring Well Plan. As requested by NYSDEC in their April 8, 2013 approval letter, the changed portions of the documents were submitted to NYSDEC and the document repository at the Queens Public Library. NYSDEC subsequently approved the reduction of groundwater sampling from a semi-annual to annual basis in November 2015; this reduction in sampling will be formally documented in Revised SMPs upon filing of updated easements (see Section 4.4 for more detail). The sampling event reported in this Annual Monitoring Report consisted of groundwater sampling conducted in accordance with the revised protocol.

A work plan was approved by NYSDEC and NYSDOH in August 2013 to evaluate decommissioning the SSDS fans, resulting in a passive venting system. The work plan consisted of: temporarily shutting off the active SSDS and conducting three (3) sampling events (two of which were conducted within the heating season). During each event, samples were collected from each of eight 1st floor sampling ports, from eight indoor locations, and one ambient air sample. The sampling events were completed in October 2013, December 2013, and January 2014 and reported to NYSDEC and NYSDOH in a March 24, 2014 letter. No exceedances of NYSDOH air guideline values were detected and no concentrations requiring further action using NYSDOH Matrices in accordance with NYSDOH *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*. Furthermore, the data indicated no direct relationship of sub-

slab vapor concentrations to indoor air concentrations. Overall, the analytical results indicated continued passive operation of the SSDS would provide sufficient protection of public health from migration of vapors to the building interior. On April 30, 2014, NYSDEC, in consultation with NYSDOH, approved AKRF's request to permanently convert the active SSDS to passive operation and discontinue SSDS effluent sampling. A Revised SMP for Parcel 2, reflecting the change in SSDS operations and sampling, was submitted for NYSDEC approval in May 2014. Finalization of the Revised SMPs is pending the termination of existing easement and filing of updated easements. After the easements are recorded, Revised SMPs will be finalized and, the document repositories will be updated.

2.0 OPERATION AND MAINTENANCE

Sixteen groundwater monitoring wells designated MW-28 to MW-43 were originally installed between September 11 and 14, 2006, but several were damaged during construction and had to be replaced. A replacement monitoring well is identified by an "R" (e.g., MW-43R). If the well was replaced more than once, it is identified with an "R" and a number (e.g., MW-43R2). Locations of site monitoring wells are depicted on Figure 3.

Between April 28 and 29, 2016, ten of the sixteen wells were sampled. Monitoring wells MW-29R5, MW-33R2, MW-35R, MW-36R2, MW-37R and MW-40R2 could not be sampled due to the staging of building materials in these areas for the ongoing above-podium residential construction on Parcel 2. Documentation of well conditions is provided in the Well Sampling Logs in Appendix A. Well construction details for both the original and replacement monitoring wells are provided in Appendix A.

3.0 MONITORING ACTIVITIES

3.1 Groundwater Sampling Methodology

Between April 28 and 29, 2016, groundwater samples were collected from 10 of the 16 monitoring wells. Low flow purging and sampling techniques were used, per Appendix K of the SMP, which was based on U.S. EPA's *Ground-Water Sampling Guidelines for Superfund and RCRA Project Managers* [EPA 542-S-02-001, May 2002]. All purge water was containerized in 55-gallon drums.

During purging, water quality indicators (i.e., turbidity, pH, temperature, dissolved oxygen, reduction-oxidation potential, and specific conductivity) were recorded approximately every five minutes. Samples were collected when water quality indicators had stabilized and turbidity levels were less than 50 nephelometric turbidity units (NTU).

Samples were collected in laboratory-supplied glassware, labeled and placed in a chilled cooler or refrigerator in a secure location for pickup by the laboratory.

In accordance with the modified sampling protocol of the April 2013 Revised SMPs, samples were analyzed for total PCBs using EPA Method 8082, at TestAmerica Laboratories, Inc. of Edison, New Jersey, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory. Category B deliverables were provided.

Sampling activities were recorded in a field book and on logs presented in Appendix A. Other observations (e.g., field screening results, sampling personnel, and well integrity) were noted on the logs, which served as the inspection form for the well network.

4.0 FINDINGS AND CONCLUSIONS

4.1 Groundwater Table Elevations

No indication of light non-aqueous phase liquid (LNAPL) was detected in any of the 10 wells. Groundwater elevations ranged from -2.25 to +1.31 feet (in Queens Borough Datum, which is 2.725 feet above mean sea level). Groundwater elevations and well construction details are included in Table 1.

Groundwater flow direction is expected to be generally to the west, toward the Flushing River, which is west-adjacent to the Property; however, actual groundwater flow is also like affected by tidal influence, past filling activities, and subsurface openings or obstructions such as basements, foundations, underground utilities, and the interlocking sheeting at the boundary of Parcels 3 and 4 and along the southwestern property boundary.

4.2 Groundwater Analytical Results

Groundwater monitoring activities were conducted on an annual basis (this April 2016 sampling event was preceded by sampling in April 2015). Historical groundwater analytical results for PCBs are summarized in Table 2 with the more recent results in Table 3. The full laboratory data from the April 2016 sampling event is provided in Appendix B. Results were compared to NYSDEC Class GA (Drinking Water) Ambient Water Quality Standards. Results for the 10 wells indicated total PCBs above the Class GA Standard of 0.09 parts per billion (ppb) in only one well (MW-32R) with a reported concentration of 12.7 ppb (this was lower than the 17 ppb detected in April 2015).

Overall, the April 2016 data analytical results indicated that PCB levels continue to fluctuate, with a decrease in detections above the Class GA Standard compared to the previous reporting period (4 exceedances in April 2015; only 1 in April 2016).

Additionally, no NAPL was present (NAPL was previously found to be sometimes associated with elevated PCB concentrations).

Quality assurance/quality control (QA/QC) sampling included the following:

- One equipment blank – PCBs were detected at 0.017 ppb (potentially due to laboratory contamination);
- One blind duplicate sample collected from monitoring well MW-28R5 (labeled MW-28R5A) PCBs were detected in the parent sample at 0.019 ppb and in the duplicate sample at 0.011 ppb. Matrix spike and matrix spike duplicate analyses of the samples collected from monitoring well MW-39R were within acceptable ranges.

4.3 Groundwater Analytical Results Summary

In January 2007, after the majority of the remedial excavation was complete, total PCBs were detected above the Class GA Standard in 12 of the 16 monitoring wells. Of the 16 wells sampled approximately one year later in February 2008, total PCBs were detected in nine wells. By March 2009, total PCBs were detected above the Class GA Standard in only one well. Since 2009, total PCB concentrations have continued to fluctuate, with exceedances generally limited to between

three and five monitoring wells per sampling event, with only one exceedance in the April 2016 sampling event.

Eighteen rounds of sampling have been conducted since the February 2008 sampling event. During the 18 rounds, PCBs were not detected or were detected at low levels below the Class GA standard in seven wells: MW-35R, MW-36R2, MW-39R, MW-40R2, MW-41R2, MW-42R, and MW-43R3.

Given the random fluctuations with no discernable data trends and the absence of other indications of contamination (e.g., NAPL), the detected PCB levels are not indicative of a continuing on-site release or significant contaminant source. Moreover, exposure to groundwater is prevented via the implementation of the required institutional and engineering controls, which were designed to protect public health and the environment from residual contamination. These controls include Environmental Easements with a provision restricting groundwater use and a site cover and a passive SSDS and vapor barrier beneath the area with retail space at grade (i.e., the western retail building on Parcel 2). In addition, perimeter interlocking sheeting remains in place on the western side of the site and a groundwater cutoff trench is present on Parcel 3, north of one of the former LNAPL areas.

4.4 Reduction in Groundwater Monitoring Frequency

The NYSDEC approved the reduction of groundwater sampling from a semi-annual to annual basis in November 2015; this change will be formally documented in revised SMPs (although NYSDEC had no additional comments on the Revised SMPs; their finalization and formal approval is pending the filing of updated easements). Sampling of the site groundwater monitoring wells for total PCBs will continue on an annual basis until ground disturbance associated with construction of a waterfront esplanade (expected to include both landscaped and paved areas with upland connections) on Parcel 3 is completed. If sampling results continue to indicate decreasing or insubstantial concentrations of total PCBs following construction activities, AKRF will formally request closure of the monitoring wells in accordance with procedures outlined *in NYSDEC CP-43: Groundwater Monitoring Well Decommissioning Policy.*

TABLES

Flushing Industrial Park

Table 1

Well Installation Details and Groundwater Measurements

Well	Parcel	Date of Installation	Total Depth of Well (ft below TOC)	Depth Interval of Screen (ft below TOC)	Top of Casing Elevation	Measured Depth to Groundwater (feet below top of PVC casing)											
						10/3-16/06	10/24/06			11/14/06	11/22/06	1/2/07	1/22/07	2/20/07	4/13/07	4/17 -25/07	5/23/07
MW-28	3	9/12/2006	14.25	3.25-13.25	7.07	4.66	4.51	4.53	4.53	3.52	4.18	3.51	4.81	6.25	3.42	4.34	6.54
MW-28R	3	2/2/2008	17.29	6.3-16.3	8.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R2	3	5/15/2008	15.15	4.15-14.15	9.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R3	3	7/30/2008	15.02	4.02-14.02	8.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R4	3	2/24/2009	17.28	6.28-16.28	6.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R5	3	10/13/2011	13.53	2.53-12.53	6.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29	3	9/14/2006	14.39	3.39-13.39	7.07	3.69	4.59	4.60	4.60	3.62	4.29	3.56	4.88	6.28	3.49	4.64	6.60
MW-29R	3	2/2/2008	17.11	6.1-16.1	8.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R2	3	5/15/2008	15.20	4.20-14.20	6.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R3	3	7/30/2008	16.48	4.48-14.48	7.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R4	3	2/24/2009	16.12	5.12-15.12	6.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R5	3	10/13/2011	13.55	2.55-12.55	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30	3	9/12/2006	15.55	4.55-14.55	7.07	3.67	4.58	4.59	4.60	3.61	4.29	3.55	4.90	6.25	3.41	4.61	6.50
MW-30R	3	2/2/2008	17.44	6.4-16.4	8.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R2	3	5/15/2008	15.09	4.09-14.09	8.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R3	3	2/24/2009	15.23	4.23-14.23	6.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R4	3	10/13/2011	13.69	2.69-12.69	5.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31	3	9/15/2006	15.6	4.60-14.60	8.15	5.44	5.58	5.58	5.28	4.72	5.19	4.89	5.51	6.15	4.89	5.33	6.60
MW-31R	3	10/13/2011	12.8	1.80-11.80	5.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32	3	9/12/2006	15.75	4.75-14.75	8.74	5.75	5.42	5.41	5.29	4.55	5.12	4.36	5.56	6.91	4.05	4.95	7.21
MW-32R	3	10/12/2011	12.46	1.46-11.46	5.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33	3	9/11/2006	15.06	4.06-14.06	7.52	5.35	5.38	5.36	5.32	4.51	5.14	4.35	5.57	7.06	4.11	4.96	7.19
MW-33R	3	2/1/2008	17.33	6.3-16.3	9.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33R2	3	10/13/2011	13.70	2.70-12.70	5.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34	3	9/11/2006	15.64	4.64-14.64	8.91	6.84	6.61	6.59	6.59	6.12	6.61	5.84	6.92	8.36	5.51	5.99	8.65
MW-34R	3	1/31/2008	17.29	6.3-16.3	9.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34R2	3	10/12/2011	13.43	2.43-13.43	4.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35	3	9/11/2006	14.73	3.73-13.73	7.49	5.94	5.18	5.18	5.19	4.72	5.25	4.48	5.55	7.03	4.20	4.62	7.30
MW-35R	3	10/12/2011	12.6	1.60-11.60	5.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36	3	9/13/2006	15.13	4.13-14.13	8.75	7.21	6.37	6.39	6.40	5.91	6.45	5.69	6.75	8.33	5.46	5.52	8.49
MW-36R	3	1/30/2008	17.18	6.2-16.2	7.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36R2	3	10/12/2011	13.56	2.56-12.56	5.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-37	3	9/13/2006	18.03	7.03-17.03	9.09	7.05	6.61	6.55	6.51	6.34	6.86	5.98	6.86	8.52	5.43	5.71	8.66
		9/17/2007	14.95	3.95-13.95	6.01												
MW-37R	3	10/12/2011	12.06	1.06-11.06	5.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-38	3	9/13/2006	13.4	2.40-12.40	7.33	4.76	5.54	5.51	5.11	4.75	4.89	4.89	4.89	5.16	4.94	3.96	6.07
MW-38R	3	10/12/2011	12.54	1.54-11.54	5.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-39	2	9/14/2006	16.19	5.19-15.19	8.45	7.21	7.51	7.36	7.37	6.81	7.29	6.72	7.26	7.91	6.47	6.67	8.51
MW-39R	2	10/11/2011	13.87	2.87-12.87	4.98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-40	1	9/14/2006	15.7	4.70-14.70	10.11	9.00	8.97	8.96	8.97	8.47	8.81	8.08	8.81	9.61	8.18	6.62	11.17
MW-40R	1	2/24/2009	15.23	4.23-14.23	7.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-40R2	1	10/11/2011	14.38	3.38-13.38	6.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41	1	9/14/2006	11.98	0.98-10.98	6.46	5.02	5.04	5.03	5.04	4.39	4.91	4.16	4.97	5.51	3.86	4.91	8.04
MW-41R	1	9/17/2007	15.00	4.0-14.0	5.07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41R2	1	1/30/2008	17.44	6.4-16.4	5.93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41R3	1	?	?	?	?	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-42	1	9/14/2006	15.70	4.70-14.70	11.92	10.43	10.38	10.39	10.39	10.04	10.29	9.59	10.29	10.78	9.31	9.96	11.48
MW-42R	1	1/29/2008	18.99	7.9-17.9	6.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-42R2	1	?	?	?	?	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43	1	9/14/2006	15.75	4.75-14.75	13.35	11.02	10.69	10.67	10.63	10.69	9.89	10.23	10.64	11.59	NM	NM	11.10
MW-43R	1	1/29/2008	16.45	5.5-15.5	10.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43R2	1	7/31/2008	18.89	7.89-17.89	11.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43R3	1	2/24/2009	17.16	6.16-16.16	7.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Flushing Industrial Park

Table 1

Well Installation Details and Groundwater Measurements

Well	Measured Depth to Groundwater (feet below top of PVC casing)																
	7/2/07	8/22/07	9/13/07	9/27/07	10/15-10/18/07	11/6/07	12/12/07	1/8/08	2/13-2/15/08	4/1/08	4/15/08	5/7/08	5/15-5/21/08	6/9/08	7/1/08	7/24/08	8/11-8/18/08
MW-28	6.18	4.34	4.90	4.80	4.62	6.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R	NA	NA	NA	NA	NA	NA	NA	NA	10.89	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.48	NA	NA	NA	NA
MW-28R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.35
MW-28R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29	6.23	4.39	4.98	4.82	4.68	6.21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R	NA	NA	NA	NA	NA	NA	NA	NA	9.95	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.52
MW-29R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30	6.12	4.17	4.82	4.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R	NA	NA	NA	NA	NA	NA	NA	NA	6.25	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.91	NA	5.25	4.32	NA
MW-30R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31	5.92	4.99	5.42	4.66	5.23	5.58	5.39	5.61	6.92	8.65	7.74	5.01	4.91	NA	3.05	4.67	5.32
MW-31R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32	6.75	4.76	5.49	4.60	5.29	6.91	5.13	6.49	4.23	7.11	6.79	5.11	NA	5.2	NA	3.56	6.56
MW-32R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33	6.61	4.91	5.81	5.59	NA	6.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33R	NA	NA	NA	NA	NA	NA	NA	NA	7.21	9.22	9.11	7.72	6.39	5.11	6.69	5.91	4.97
MW-33R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34	8.11	6.41	7.31	7.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34R	NA	NA	NA	NA	NA	NA	NA	NA	11.37	9.21	9.12	7.81	6.45	4.51	6.72	4.85	4.92
MW-34R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35	6.84	5.07	9.04	9.45	5.66	8.21	5.12	7.51	4.89	6.71	6.61	5.35	4.1	7.2	4.35	4.81	4.96
MW-35R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36	8.02	9.31	7.32	7.26	6.89	9.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36R	NA	NA	NA	NA	NA	NA	NA	NA	6.17	8.02	7.98	6.82	5.53	7.23	5.91	4.86	6.44
MW-36R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-37	8.24	6.68	7.25	7.50	4.78	5.31	3.75	4.18	2.24	3.71	3.78	4.78	4.13	4.81	2.61	1.68	3.41
MW-37R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-38	6.20	4.99	5.25	2.84	5.66	5.44	5.01	5.96	7.49	6.22	5.59	4.99	6.00	6.28	5.00	4.89	5.45
MW-38R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-39	8.06	6.37	7.26	6.77	8.67	6.86	6.58	7.36	5.97	6.88	7.15	6.31	6.34	3.18	6.06	5.95	6.56
MW-39R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-40	9.43	8.20	8.40	8.84	9.06	7.98	8.37	10.96	7.86	8.89	9.15	8.75	7.98	5.58	5.1	4.92	7.55
MW-40R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-40R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41	5.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41R	NA	NA	NA	4.24	4.45	3.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41R2	NA	NA	NA	NA	NA	NA	NA	NA	7.72	9.04	9.37	9.01	8.43	5.97	8.16	7.3	8.86
MW-41R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-42	10.95	9.71	9.81	10.34	10.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-42R	NA	NA	NA	NA	NA	NA	NA	NA	10.07	9.72	10.05	9.82	9.12	9.17	8.9	7.82	9.58
MW-42R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43	11.10	10.86	10.62	9.98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43R	NA	NA	NA	NA	NA	NA	NA	NA	5.70	8.71	8.42	8.86	8.91	9.12	8.78	NA	NA
MW-43R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.8
MW-43R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Flushing Industrial Park

Table 1

Well Installation Details and Groundwater Measurements

Well	Measured Depth to Groundwater (feet below top of PVC casing)																M
	10/1/08	10/14/08	11/1/08	11/19-11/20/08	12/29/08	2/3/09	2/27/09	3/19/09	4/29/09	5/19/09	7/2/09	7/29/09	8/18/09	10/5/09	11/7/09	11/20 - 11/25/11	01/30 - 2/3/12
MW-28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R4	NA	NA	NA	NA	NA	NA	4.38	4.62	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.72	5.20
MW-29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R4	NA	NA	NA	NA	NA	NA	4.32	4.58	3.62	3.59	2.99	3.29	NA	NA	NA	NA	NA
MW-29R5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.51	3.91
MW-30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R3	NA	NA	NA	NA	NA	NA	4.55	4.83	5.74	3.82	3.28	3.52	NA	NA	NA	NA	NA
MW-30R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.12	4.72
MW-31	4.47	NA	NA	NA	NA	NA	6.19	6.46	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.55	4.63
MW-32	5.08	6.11	5.89	NA	NA	NA	6.46	6.76	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.24	4.56
MW-33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33R	5.84	7.17	6.95	6.67	6.11	7.08	7.52	7.90	6.82	6.76	6.13	6.51	7.46	7.26	7.79	NA	NA
MW-33R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.53	4.99
MW-34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34R	5.99	7.15	6.94	6.55	6.04	6.99	7.51	7.82	6.76	6.71	6.19	6.49	7.45	7.24	8.14	NA	NA
MW-34R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.62	3.95
MW-35	3.49	4.75	5.51	4.18	3.65	4.59	5.12	5.41	4.39	4.35	3.76	4.15	5.11	4.82	6.39	NA	NA
MW-35R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.78	5.11
MW-36	NA	NA	5.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36R	5.73	6.22	5.59	5.64	5.11	6.06	4.91	5.19	4.19	4.11	NA	NA	NA	NA	NA	NA	NA
MW-36R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.01	4.99
MW-37	1.81	3.02	2.62	2.23	0.91	2.41	3.22	3.65	2.69	2.61	3.18	5.53	4.36	NA	NA	NA	NA
MW-37R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.49	4.78
MW-38	4.48	4.85	5.29	5.14	5.06	4.99	5.40	6.36	5.26	5.59	5.91	6.28	6.49	6.31	6.21	NA	NA
MW-38R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.59	5.02
MW-39	5.91	6.49	6.54	6.5	6.41	NA	6.41	6.70	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-39R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.99	6.21
MW-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-40R	NA	NA	NA	NA	NA	NA	6.72	7.16	6.46	6.26	5.71	5.47	6.32	6.56	6.68	NA	NA
MW-40R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.21	7.79
MW-41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41R2	7.11	8.51	8.69	8.61	7.78	8.81	9.24	9.36	8.11	7.84	6.51	5.89	7.31	4.52	4.61	5.57	6.11
MW-41R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-42R	7.71	9.36	9.34	9.24	8.32	8.32	9.92	10.02	9.64	9.36	8.68	7.98	9.49	5.56	5.59	5.44	5.44
MW-42R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43R2	9.84	9.48	10.46	10.31	10.16	10.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43R3	NA	NA	NA	NA	NA	NA	9.65	9.85	9.78	9.73	9.89	9.51	9.65	NA	NA	6.46	6.88

Flushing Industrial Park

Table 1

Well Installation Details and Groundwater Measurements

Well	easured Depth to Groundwater						Groundwater Elevation									
	4/3-4/6/2012	10/21-10/22/13	4/15-4/17/14	10/16-10/17/14	4/27-4/28/15	4/28-4/29/16	10/3-16/06	10/24/06			11/14/06	11/22/06	1/2/07	1/22/07	2/20/07	4/13/07
MW-28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R5	6.20	5.15	4.89	4.86	4.79	4.99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29	NA	NA	NA	NA	NA	NA	3.38	2.48	2.47	2.47	3.45	2.78	3.51	2.19	0.79	3.58
MW-29R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R5	3.9	3.88	3.43	3.59	3.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30	NA	NA	NA	NA	NA	NA	3.40	2.49	2.48	2.47	3.46	2.78	3.52	2.17	0.82	3.66
MW-30R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R4	4.78	4.76	4.45	4.49	4.46	4.64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31	NA	NA	NA	NA	NA	NA	2.71	2.57	2.57	2.87	3.43	2.96	3.26	2.64	2.00	3.26
MW-31R	4.1	4.49	4.2	4.4	NA	4.38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32	NA	NA	NA	NA	NA	NA	2.99	3.32	3.33	3.45	4.19	3.62	4.38	3.18	1.83	4.69
MW-32R	4.57	4.53	4.39	4.34	4.31	4.41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33	NA	NA	NA	NA	NA	NA	2.17	2.14	2.16	2.20	3.01	2.38	3.17	1.95	0.46	3.41
MW-33R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33R2	4.90	5.00	4.78	4.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34	NA	NA	NA	NA	NA	NA	2.07	2.30	2.32	2.32	2.79	2.30	3.07	1.99	0.55	3.40
MW-34R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34R2	4.90	3.84	3.75	3.75	3.75	6.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35	NA	NA	NA	NA	NA	NA	1.55	2.31	2.31	2.30	2.77	2.24	3.01	1.94	0.46	3.29
MW-35R	5.05	5.05	5.02	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36	NA	NA	NA	NA	NA	NA	1.54	2.38	2.36	2.35	2.84	2.30	3.06	2.00	0.42	3.29
MW-36R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36R2	4.74	3.41	5.31	5.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-37	NA	NA	NA	NA	NA	NA	2.04	2.48	2.54	2.58	2.75	2.23	3.11	2.23	0.57	3.66
MW-37R	4.26	3.79	5.9	5.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-38	NA	NA	NA	NA	NA	NA	2.57	1.79	1.82	2.22	2.58	2.44	2.44	2.44	2.17	2.39
MW-38R	2.81	4.29	4.21	4.43	4.51	4.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-39	NA	NA	NA	NA	NA	NA	1.24	0.94	1.09	1.08	1.64	1.16	1.73	1.19	0.54	1.98
MW-39R	5.60	5.05	5.30	4.67	5.59	6.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-40	NA	NA	NA	NA	NA	NA	1.11	1.14	1.15	1.14	1.64	1.30	2.03	1.30	0.50	1.93
MW-40R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-40R2	7.71	7.72	7.51	7.42	7.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41	NA	NA	NA	NA	NA	NA	1.44	1.42	1.43	1.42	2.07	1.55	2.30	1.49	0.95	2.60
MW-41R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41R2	6.40	6.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41R3	NA	NA	6.19	NA	6.05	6.21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-42	NA	NA	NA	NA	NA	NA	1.49	1.54	1.53	1.53	1.88	1.63	2.33	1.63	1.14	2.61
MW-42R	6.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-42R2	NA	NA	5.91	5.80	5.68	5.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43	NA	NA	NA	NA	NA	NA	2.33	2.66	2.68	2.72	2.66	3.46	3.12	2.71	1.76	NM
MW-43R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43R3	7.39	8.21	7.18	7.00	7.02	7.08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Flushing Industrial Park

Table 1

Well Installation Details and Groundwater Measurements

Well	Groundwater Elevation															
	4/17 -25/07	5/23/07	7/2/07	8/22/07	9/13/07	9/27/07	10/15-10/18/07	11/6/07	12/12/07	1/8/08	2/13-2/15/08	4/1/08	4/15/08	5/7/08	5/15-5/21/08	6/9/08
MW-28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-2.33	NA	NA	NA	NA	NA
MW-28R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29	2.43	0.47	2.68	-1.29	2.09	2.25	2.39	0.86	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-1.46	NA	NA	NA	NA	NA
MW-29R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30	2.46	0.57	2.90	-1.15	2.25	2.21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.04	NA	NA	NA	NA	NA
MW-30R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31	2.82	1.55	2.73	0.02	2.73	3.49	2.92	2.57	2.76	2.54	1.23	-0.50	0.41	3.14	3.14	NA
MW-31R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32	3.79	1.53	3.25	0.26	3.25	4.14	3.45	1.83	3.61	2.25	4.51	1.63	1.95	3.63	NA	3.54
MW-32R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33	2.56	0.33	1.71	-0.46	1.71	1.93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.57	0.56	0.67	2.06	3.39	4.67
MW-33R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34	2.92	0.26	1.60	-0.47	1.60	1.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-1.49	0.67	0.76	2.07	3.43	5.37
MW-34R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35	2.87	0.19	-1.55	-3.10	-1.55	-1.96	1.83	-0.72	2.37	-0.02	2.60	0.78	0.88	2.14	3.39	0.29
MW-35R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36	3.23	0.26	-0.56	-0.11	1.43	1.49	1.86	-0.39	NA	NA	NA	NA	NA	NA	NA	NA
MW-36R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.00	-0.85	-0.81	0.35	1.64	-0.06
MW-36R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-37	3.38	0.43	1.84	-0.20	1.84	-1.49	1.23	0.70	2.26	1.83	3.77	2.30	2.23	1.23	1.88	1.2
MW-37R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-38	3.37	1.26	2.08	-0.49	2.08	4.49	1.67	1.89	2.32	1.37	-0.16	1.11	1.74	2.34	1.33	1.05
MW-38R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-39	1.78	-0.06	1.19	-0.05	1.19	1.68	-0.22	1.59	1.87	1.09	2.48	1.57	1.30	2.14	2.11	5.27
MW-39R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-40	3.49	-1.06	1.71	0.60	1.71	1.27	1.05	2.13	1.74	-0.85	2.25	1.22	0.96	1.36	2.13	4.53
MW-40R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-40R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41	1.55	-1.58	0.64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41R	NA	NA	NA	NA	NA	0.83	0.62	1.59	NA	NA	NA	NA	NA	NA	NA	NA
MW-41R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.36	0.04	-0.29	0.07	0.65	3.11
MW-41R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-42	1.96	0.44	2.11	0.62	2.11	1.58	1.46	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-42R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.35	1.70	1.37	1.60	2.3	2.25
MW-42R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43	NM	2.25	2.73	0.40	2.73	3.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.00	1.99	2.28	1.84	1.79	1.58
MW-43R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Flushing Industrial Park

Table 1

Well Installation Details and Groundwater Measurements

Well	Groundwater Elevation																
	7/1/08	7/24/08	8/11-8/18/08	10/1/08	10/14/08	11/11/08	11/19-11/20/08	12/29/08	2/3/09	2/27/09	3/19/09	4/29/09	5/19/09	7/2/09	7/29/09	8/18/09	10/5/09
MW-28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R3	NA	NA	2.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.79	1.55	NA	NA	NA	NA	NA	NA
MW-28R5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R3	NA	NA	2.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.42	2.16	3.12	3.15	3.75	3.45	NA	NA
MW-29R5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R2	3.01	3.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.42	2.14	1.23	3.15	3.69	3.45	NA	NA
MW-30R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31	NA	3.48	2.83	0.97	NA	NA	NA	NA	NA	1.96	1.69	NA	NA	NA	NA	NA	NA
MW-31R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32	NA	5.18	2.18	0.67	2.63	2.85	NA	NA	NA	2.55	2.28	NA	NA	NA	NA	NA	NA
MW-32R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33R	3.09	3.87	4.81	3.94	2.61	2.83	3.11	3.67	2.70	2.26	1.88	2.96	3.02	3.65	3.27	2.32	2.52
MW-33R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34R	3.16	5.03	4.96	3.89	2.73	2.94	3.33	3.84	2.89	2.37	2.06	3.12	3.17	3.69	3.39	2.43	2.64
MW-34R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-35	3.14	2.68	2.53	2.45	0.43	1.98	3.31	3.84	1.35	2.37	2.08	3.10	3.14	3.73	3.34	2.38	2.67
MW-35R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-36R	1.26	2.31	0.73	1.44	0.95	1.58	1.53	2.06	1.11	2.26	1.98	2.98	3.06	NA	NA	NA	NA
MW-36R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-37	3.4	4.33	2.6	4.2	2.99	3.39	3.78	5.10	3.60	2.79	2.36	3.32	3.40	3.69	3.45	2.32	NA
MW-37R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-38	2.33	2.44	1.88	0.28	0.69	0.22	2.19	2.27	2.34	1.93	0.97	2.07	1.74	1.42	1.05	0.84	1.02
MW-38R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-39	2.39	2.50	1.89	1.3	1.02	0.82	1.95	2.04	NA	2.04	1.75	NA	NA	NA	NA	NA	NA
MW-39R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-40	5.01	5.19	2.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-40R	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.99	0.55	1.25	1.45	2	2.24	1.39	1.15
MW-40R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41R2	0.92	1.78	0.22	1.97	0.57	0.39	0.47	1.30	0.27	-0.16	-0.28	0.97	1.24	2.57	3.19	1.77	4.56
MW-41R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-42R	2.52	3.6	1.84	3.71	2.06	2.08	2.18	3.10	3.10	1.50	1.40	1.78	2.06	2.74	3.44	1.93	5.86
MW-42R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43R	1.92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-43R2	NA	NA	1.16	2.12	2.48	1.5	1.65	1.80	1.80	NA	NA	NA	NA	NA	NA	NA	NA
MW-43R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.17	1.97	2.04	2.09	1.93	2.31	2.17	NA

Flushing Industrial Park

Table 1

Well Installation Details and Groundwater Measurements

Well	Groundwater Elevation									Groundwater Elevation Summary			
	11/7/09	11/20 to 11/25/11	1/30 - 2/3/12	4/3-4/6/2012	10/21-10/22/13	4/15-4/17/14	10/16-10/17/14	4/27-4/28/15	4/28-4/29/16	MAX	MIN	AVG	Total Variation
MW-28	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00	0.00	NA	0.0
MW-28R	NA	NA	NA	NA	NA	NA	NA	NA	NA	-2.33	-2.33	-2.33	0.0
MW-28R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00	0.00	NA	0.0
MW-28R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.67	2.67	2.67	0.0
MW-28R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.79	1.55	1.67	0.2
MW-28R5	NA	1.58	1.10	0.10	1.15	1.41	1.44	1.51	1.31	1.58	0.10	1.20	1.5
MW-29	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.58	-1.29	2.17	4.9
MW-29R	NA	NA	NA	NA	NA	NA	NA	NA	NA	-1.46	-1.46	-1.46	0.0
MW-29R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00	0.00	NA	0.0
MW-29R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.90	2.90	2.90	0.0
MW-29R4	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.75	2.16	3.01	1.6
MW-29R5	NA	1.49	1.09	1.1	1.12	1.57	1.41	1.44	NA	1.57	1.09	1.32	0.5
MW-30	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.66	-1.15	2.28	4.8
MW-30R	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.04	2.04	2.04	0.0
MW-30R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.94	3.01	3.48	0.9
MW-30R3	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.69	1.23	2.68	2.5
MW-30R4	NA	1.77	1.17	1.11	1.13	1.44	1.4	1.43	1.25	1.77	1.11	1.34	0.7
MW-31	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.49	-0.50	2.36	4.0
MW-31R	NA	2.13	1.05	1.58	1.19	1.48	1.28	NA	1.3	2.13	1.05	1.43	1.1
MW-32	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.18	0.26	3.00	4.9
MW-32R	NA	1.24	0.92	0.91	0.95	1.09	1.14	1.17	1.07	1.24	0.91	1.06	0.3
MW-33	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.41	-0.46	1.93	3.9
MW-33R	1.99	NA	NA	NA	NA	NA	NA	NA	NA	4.81	0.56	2.85	4.3
MW-33R2	NA	1.29	0.83	0.92	0.82	1.04	1.03	NA	NA	1.29	0.82	0.99	0.5
MW-34	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.40	-0.47	1.90	3.9
MW-34R	1.74	NA	NA	NA	NA	NA	NA	NA	NA	5.37	-1.49	2.84	6.9
MW-34R2	NA	1.08	0.75	-0.20	0.86	0.95	0.95	0.95	-2.25	1.08	-2.25	0.39	3.3
MW-35	1.10	NA	NA	NA	NA	NA	NA	NA	NA	3.84	-3.10	1.73	6.9
MW-35R	NA	1.1	0.77	0.83	0.83	0.86	0.83	NA	NA	1.10	0.77	0.87	0.3
MW-36	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.29	-0.56	1.65	3.9
MW-36R	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.06	-0.85	1.29	3.9
MW-36R2	NA	0.78	0.80	1.05	2.38	0.48	0.76	NA	NA	2.38	0.48	1.04	1.9
MW-37	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.10	-1.49	2.46	6.6 0.0
MW-37R	NA	0.96	0.67	1.19	1.66	-0.45	0.06	NA	NA	1.66	-0.45	0.68	2.1
MW-38	1.12	NA	NA	NA	NA	NA	NA	NA	NA	4.49	-0.49	1.75	5.0
MW-38R	NA	0.75	0.32	2.53	1.05	1.13	0.91	0.83	0.63	2.53	0.32	1.02	2.2
MW-39	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.27	-0.22	1.53	5.5
MW-39R	NA	-1.01	-1.23	-0.62	-0.07	-0.32	0.31	-0.61	-1.16	0.31	-1.23	-0.59	1.5
MW-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.19	-1.06	1.73	6.3
MW-40R	1.03	NA	NA	NA	NA	NA	NA	NA	NA	2.24	0.55	1.34	1.7
MW-40R2	NA	-0.9	-1.48	-1.40	-1.41	-1.20	-1.11	-1.39	NA	-0.90	-1.48	-1.27	0.6
MW-41	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.60	-1.58	1.33	4.2
MW-41R	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59	0.62	1.01	1.0
MW-41R2	4.47	0.36	-0.18	-0.47	-0.59	NA	NA	NA	NA	4.56	-0.59	1.08	5.2
MW-41R3	NA	NA	NA	NA	NA	NA	NA	NA	NA				
MW-42	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.61	0.44	1.62	2.2
MW-42R	5.83	0.79	0.79	0.17	NA	NA	NA	NA	NA	5.86	0.17	2.34	5.7
MW-42R2	NA	NA	NA	NA	NA	NA	NA	NA	NA				
MW-43	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.46	0.40	2.54	3.1
MW-43R	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.00	1.58	2.34	3.4
MW-43R2	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.48	1.16	1.79	1.3
MW-43R3	NA	1.03	0.61	0.10	-0.72	0.31	0.49	0.47	0.41	2.31	-0.72	1.16	3.0

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-28					MW-28R	MW-28R2	MW-28R3	MW-28R4	
Lab Sample ID	Class GA	213893-022	214586-019	220-1449-9	220-2239-1	220-3135-2	220-4196-1	922738	220-6237-1	220-8299-4	220-9190-1
Date Sampled	Water Quality	10/16/2006	1/22/2007	4/25/2007	7/24/2007	10/18/2007	2/19/2008	5/23/2008	8/15/2008	3/5/2009	5/29/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)											
Aroclor 1016	**NS**	0.062 U	0.057 U	0.057 U	0.057 U	0.08 U	0.087 U	0.56 U	0.082 U	0.05 U	0.057 U
Aroclor 1221	**NS**	0.12 U	0.11 U	0.11 U	0.11 U	0.26 U	0.28 U	0.56 U	0.35 U	0.05 U	0.057 U
Aroclor 1232	**NS**	0.088 U	0.081 U	0.081 U	0.081 U	0.12 U	0.13 U	0.56 U	0.082 U	0.05 U	0.057 U
Aroclor 1242	**NS**	0.078 U	0.072 U	0.072 U	0.072 U	0.13 U	0.14 U	0.56 U	0.082 U	0.05 U	0.057 U
Aroclor 1248	**NS**	0.065 U	0.06 U	0.06 U	2.5 M	0.16 U	0.29 JM	0.56 U	0.082 U	0.05 U	0.057 U
Aroclor 1254	**NS**	0.87 M	0.094 U	0.094 U	2.1 M	0.31 JM	0.045 U	0.56 U	0.049 U	0.082 U	0.093 U
Aroclor 1260	**NS**	1.8 M	0.34 J	5.2 M	1.9 M	0.071 U	2.4 M	2.1	0.051 U	0.082 U	0.093 U
Total PCBs	**0.09**	**2.67**	**0.34**	**5.2**	**6.5**	**0.31**	**2.69**	**2.1**	ND	ND	ND

Client ID	NYSDEC	MW-28					MW-28R	MW-28R2	MW-28R3	MW-28R4	
Lab Sample ID	Class GA	213893-022	214586-019	220-1449-10	220-2239-14	220-3135-2	220-4196-4	922747	220-6237-4	220-8299-10	220-9190-1
Date Sampled	Water Quality	10/16/2006	1/22/2007	4/25/2007	7/24/2007	10/18/2007	2/19/2008	5/23/2008	8/15/2008	3/5/2009	5/29/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)											
Aroclor 1016-Dissolved	**NS**	0.061 U	0.057 U	0.057 U	0.057 U	0.079 U	0.08 U	0.53 U	0.082 U	0.05 U	0.054 U
Aroclor 1221-Dissolved	**NS**	0.11 U	0.11 U	0.11 U	0.11 U	0.25 U	0.26 U	0.53 U	0.35 U	0.05 U	0.054 U
Aroclor 1232-Dissolved	**NS**	0.087 U	0.081 U	0.081 U	0.081 U	0.12 U	0.12 U	0.53 U	0.082 U	0.05 U	0.054 U
Aroclor 1242-Dissolved	**NS**	0.077 U	0.072 U	0.072 U	0.072 U	0.13 U	0.13 U	0.53 U	0.082 U	0.05 U	0.054 U
Aroclor 1248-Dissolved	**NS**	0.065 U	0.06 U	0.06 U	0.06 U	0.16 U	0.16 U	0.53 U	0.082 U	0.05 U	0.054 U
Aroclor 1254-Dissolved	**NS**	0.36 JM	0.094 U	0.094 U	0.094 UM	0.041 U	0.041 U	0.53 U	0.049 U	0.082 U	0.089 U
Aroclor 1260-Dissolved	**NS**	0.2 JM	0.082 U	0.082 UM	0.13 JM	0.07 U	0.071 U	0.53 U	0.51 J	0.082 U	0.089 U
Total Dissolved PCBs	**0.09**	**0.56**	ND	ND	**0.13**	ND	ND	ND	**0.51**	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-28R5			
Lab Sample ID	Class GA	220-16775-2	460-36282-17	460-38848-1	460-42091-9
Date Sampled	Water Quality	10/25/2011	2/3/2012	4/6/2012	7/6/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016	NS	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor 1221	NS	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor 1232	NS	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242	NS	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248	NS	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254	NS	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260	NS	0.15 U	0.15 U	0.15 U	0.15 U
Total PCBs	0.09	ND	ND	ND	ND

Client ID	NYSDEC	MW-28R5			
Lab Sample ID	Class GA	220-16775-2	460-36282-17	460-38848-1	460-42091-9
Date Sampled	Water Quality	10/25/2011	2/3/2012	4/6/2012	7/6/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016-Dissolved	NS	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor 1221-Dissolved	NS	0.28 U	0.28 U	0.29 U	0.28 U
Aroclor 1232-Dissolved	NS	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242-Dissolved	NS	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	NS	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254-Dissolved	NS	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260-Dissolved	NS	0.15 U	0.15 U	0.15 U	0.15 U *
Total Dissolved PCBs	0.09	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-28A (Dupl. of MW-28)						MW-28R2A	MW-28R3A	MW-28R4A	
Lab Sample ID	Class GA	213893-023	214586-020	220-1449-13	220-2239-2	220-3135-3	220-4196-2	922740	220-6237-2	220-8299-5	220-9190-2
Date Sampled	Water Quality	10/16/2006	1/22/2007	4/25/2007	7/24/2007	10/18/2007	2/19/2008	5/23/2008	8/15/2008	3/6/2009	5/29/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)											
Aroclor 1016	**NS**	0.061 U	0.057 U	0.057 U	0.057 U	0.085 U	0.082 U	0.53 U	0.083 U	0.05 U	0.058 U
Aroclor 1221	**NS**	0.11 U	0.11 U	0.11 U	0.11 U	0.27 U	0.26 U	0.53 U	0.35 U	0.05 U	0.058 U
Aroclor 1232	**NS**	0.086 U	0.081 U	0.081 U	0.081 U	0.12 U	0.12 U	0.53 U	0.083 U	0.05 U	0.058 U
Aroclor 1242	**NS**	0.077 U	0.072 U	0.072 U	0.072 U	0.13 U	0.13 U	0.53 U	0.083 U	0.05 U	0.058 U
Aroclor 1248	**NS**	0.064 U	0.06 U	0.06 U	2.3 M	0.17 U	0.25 JM	0.53 U	0.083 U	0.05 U	0.058 U
Aroclor 1254	**NS**	0.1 U	0.094 U	0.094 U	1.9 M	0.24 J	0.042 U	0.53 U	0.05 U	0.082 U	0.095 U
Aroclor 1260	**NS**	1.7 M	0.68	2.3 M	1.7 M	0.075 U	2.6 M	1.2	0.74	0.082 U	0.18 J
Total PCBs	**0.09**	**1.7**	**0.68**	**2.3**	**5.9**	**0.24**	**2.85**	**1.2**	**0.74**	ND	**0.18**

Client ID	NYSDEC	MW-28A (Dupl. of MW-28)						MW-28R2A	MW-28R3A	MW-28R4A	
Lab Sample ID	Class GA	213893-023	214586-020	220-1449-14	220-2239-15	220-3135-3	220-4196-5	922748	220-6237-5	220-8299-11	220-9190-2
Date Sampled	Water Quality	10/16/2006	1/22/2007	4/25/2007	7/24/2007	10/18/2007	2/19/2008	5/23/2008	8/15/2008	3/6/2009	5/29/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)											
Aroclor 1016-Dissolved	**NS**	0.057 U	0.057 U	0.057 U	0.057 U	0.08 U	0.082 U	0.53 U	0.082 U	0.05 U	0.056 U
Aroclor 1221-Dissolved	**NS**	0.11 U	0.11 U	0.11 U	0.11 U	0.26 U	0.26 U	0.53 U	0.35 U	0.05 U	0.056 U
Aroclor 1232-Dissolved	**NS**	0.081 U	0.081 U	0.081 U	0.081 U	0.12 U	0.12 U	0.53 U	0.082 U	0.05 U	0.056 U
Aroclor 1242-Dissolved	**NS**	0.072 U	0.072 U	0.072 U	0.072 U	0.13 U	0.13 U	0.53 U	0.082 U	0.05 U	0.056 U
Aroclor 1248-Dissolved	**NS**	0.06 U	0.06 U	0.06 U	0.06 U	0.16 U	0.17 U	0.53 U	0.082 U	0.05 U	0.056 U
Aroclor 1254-Dissolved	**NS**	0.2 JM	0.094 U	0.094 U	0.094 U	0.041 U	0.042 U	0.53 U	0.049 U	0.082 U	0.092 U
Aroclor 1260-Dissolved	**NS**	0.31 JM	0.17 JM	0.16 JM	0.024 U	0.071 U	0.073 U	0.53 U	0.051 U	0.082 U	0.092 U
Total Dissolved PCBs	**0.09**	**0.51**	**0.17**	**0.16**	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-28R5A			
Lab Sample ID	Class GA	220-16775-3	460-36282-18	460-38848-2	460-42091-10
Date Sampled	Water Quality	10/25/2011	2/3/2012	4/6/2012	7/6/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016	**NS**	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor 1221	**NS**	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor 1232	**NS**	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242	**NS**	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248	**NS**	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254	**NS**	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260	**NS**	0.15 U	0.15 U	0.15 U	0.15 U
Total PCBs	**0.09**	ND	ND	ND	ND

Client ID	NYSDEC	MW-28R5A			
Lab Sample ID	Class GA	220-16775-3	460-36282-18	460-38848-2	460-42091-10
Date Sampled	Water Quality	10/25/2011	2/3/2012	4/6/2012	7/6/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016-Dissolved	**NS**	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor 1221-Dissolved	**NS**	0.28 U	0.28 U	0.29 U	0.28 U
Aroclor 1232-Dissolved	**NS**	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242-Dissolved	**NS**	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	**NS**	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254-Dissolved	**NS**	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260-Dissolved	**NS**	0.15 U	0.15 U	0.15 U	0.15 U *
Total Dissolved PCBs	**0.09**	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-29					MW-29R		MW-29R4	
Lab Sample ID	Class GA	213893-017	214586-015	220-1449-11	220-2239-3	220-3135-1	220-4176-3	220-6252-1	220-8299-3	220-9190-4
Date Sampled	Water Quality	10/12/2006	1/22/2007	4/25/2007	7/24/2007	10/18/2007	2/15/2008	8/18/2008	3/5/2009	5/29/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1
Parameter (µg/L)										
Aroclor 1016	**NS**	0.061 U	0.057 U	0.057 U	0.057 U	0.083 U	0.072 U	0.075 U	0.05 U	0.056 U
Aroclor 1221	**NS**	0.11 U	0.11 U	0.11 U	0.11 U	0.27 U	0.23 U	0.32 U	0.05 U	0.056 U
Aroclor 1232	**NS**	0.087 U	0.081 U	0.081 U	0.081 U	0.12 U	0.11 U	0.075 U	0.05 U	0.056 U
Aroclor 1242	**NS**	0.077 U	0.072 U	0.072 U	0.072 U	0.13 U	0.11 U	0.075 U	0.05 U	0.056 U
Aroclor 1248	**NS**	0.065 U	0.06 U	0.06 U	0.06 U	0.17 U	0.15 U	0.075 U	0.05 U	0.056 U
Aroclor 1254	**NS**	0.1 U	1.5 M	0.094 U	3.7 M	2	0.28 JM	0.75	0.082 U	0.091 U
Aroclor 1260	**NS**	3.7 M	1.6 M	0.9 M	5.3 M	2.2	0.096 JM	0.78	0.082 U	0.11 J
Total PCBs	**0.09**	**3.7**	**3.1**	**0.9**	**9**	**4.2**	**0.376**	**1.53**	ND	**0.11**

Client ID	NYSDEC	MW-29					MW-29R		MW-29R4	
Lab Sample ID	Class GA	213893-017	214586-015	220-1449-12	220-2239-16	220-3135-1	220-4176-7	220-6252-3	220-8299-9	220-9190-4
Date Sampled	Water Quality	10/12/2006	1/22/2007	4/25/2007	7/24/2007	10/18/2007	2/15/2008	8/18/2008	3/5/2009	5/29/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1
Parameter (µg/L)										
Aroclor 1016-Dissolved	**NS**	0.057 U	0.057 U	0.057 U	0.061 U	0.079 U	0.077 U	0.087 U	0.05 U	0.056 U
Aroclor 1221-Dissolved	**NS**	0.11 U	0.11 U	0.11 U	0.11 U	0.25 U	0.25 U	0.37 U	0.05 U	0.056 U
Aroclor 1232-Dissolved	**NS**	0.081 U	0.081 U	0.081 U	0.086 U	0.12 U	0.11 U	0.087 U	0.05 U	0.056 U
Aroclor 1242-Dissolved	**NS**	0.072 U	0.072 U	0.072 U	0.077 U	0.13 U	0.12 U	0.087 U	0.05 U	0.056 U
Aroclor 1248-Dissolved	**NS**	0.06 U	0.06 U	0.06 U	0.064 U	0.16 U	0.16 U	0.087 U	0.05 U	0.056 U
Aroclor 1254-Dissolved	**NS**	0.094 U	0.094 U	0.094 U	0.1 U	0.041 U	0.039 U	0.052 U	0.082 U	0.092 U
Aroclor 1260-Dissolved	**NS**	0.93 M	0.082 U	0.082 UM	0.026 U	0.07 U	0.068 U	0.055 U	0.082 U	0.092 U
Total Dissolved PCBs	**0.09**	**0.93**	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-29R5			
Lab Sample ID	Class GA	220-16775-1	460-36282-16	460-38848-3	460-42091-8
Date Sampled	Water Quality	10/25/2011	2/3/2012	4/6/2012	7/6/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016	**NS**	0.13 U	0.14 U	0.13 U	0.13 U
Aroclor 1221	**NS**	0.28 U	0.29 U	0.28 U	0.28 U
Aroclor 1232	**NS**	0.12 U	0.13 U	0.24 U	0.12 U
Aroclor 1242	**NS**	0.12 U	0.13 U	0.12 U	0.12 U
Aroclor 1248	**NS**	0.24 U	0.25 U	0.17 U	0.24 U
Aroclor 1254	**NS**	0.17 U	0.18 U	0.12 U	0.17 U
Aroclor 1260	**NS**	1.8	0.47 J	0.15 U	0.4 J
Total PCBs	**0.09**	**1.8**	**0.47**	ND	**0.4**

Client ID	NYSDEC	MW-29R5			
Lab Sample ID	Class GA	220-16775-1	460-36282-16	460-38848-3	460-42091-8
Date Sampled	Water Quality	10/25/2011	2/3/2012	4/6/2012	7/6/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016-Dissolved	**NS**	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor 1221-Dissolved	**NS**	0.28 U	0.28 U	0.29 U	0.28 U
Aroclor 1232-Dissolved	**NS**	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242-Dissolved	**NS**	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	**NS**	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254-Dissolved	**NS**	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260-Dissolved	**NS**	0.15 U	1.3	0.15 U	0.15 U *
Total Dissolved PCBs	**0.09**	ND	**1.3**	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-30				MW-30R	MW-30R2	MW-30R3	
Lab Sample ID	Class GA	213893-016	214586-018	220-1449-7	220-2239-4	220-4176-2	922742	220-8299-2	220-9180-1
Date Sampled	Water Quality	10/12/2006	1/22/2007	4/25/2007	7/24/2007	2/15/2008	5/23/2008	3/5/2009	5/28/2009
Dilution	Standards	1	1	1	1	1	1	1	1
Parameter (µg/L)									
Aroclor 1016	**NS**	0.062 U	0.061 U	0.057 U	0.069 U	0.078 U	0.52 U	0.052 U	0.053 U
Aroclor 1221	**NS**	0.12 U	0.11 U	0.11 U	0.13 U	0.25 U	0.52 U	0.052 U	0.053 U
Aroclor 1232	**NS**	0.088 U	0.087 U	0.081 U	0.098 U	0.12 U	0.52 U	0.052 U	0.053 U
Aroclor 1242	**NS**	0.078 U	0.077 U	0.072 U	0.087 U	0.12 U	0.52 U	0.052 U	0.053 U
Aroclor 1248	**NS**	0.065 U	0.065 U	0.06 U	0.072 U	0.16 U	0.52 U	0.052 U	0.053 U
Aroclor 1254	**NS**	0.1 U	0.1 U	0.094 U	0.11 U	0.04 U	0.52 U	0.085 U	0.086 U
Aroclor 1260	**NS**	0.12 JM	0.088 UM	0.36 JM	0.1 JM	0.07 U	0.52 U	0.085 U	0.086 U
Total PCBs	**0.09**	**0.12**	ND	**0.36**	**0.1**	ND	ND	ND	ND

Client ID	NYSDEC	MW-30				MW-30R	MW-30R2	MW-30R3	
Lab Sample ID	Class GA	213893-016	214586-018	220-1449-8	220-2239-17	220-4176-6	922749	220-8299-8	220-9180-1
Date Sampled	Water Quality	10/12/2006	1/22/2007	4/25/2007	7/24/2007	2/15/2008	5/23/2008	3/5/2009	5/28/2009
Dilution	Standards	1	1	1	1	1	1	1	1
Parameter (µg/L)									
Aroclor 1016-Dissolved	**NS**	0.062 U	0.057 U	0.057 U	0.063 U	0.077 U	0.56 U	0.054 U	0.056 U
Aroclor 1221-Dissolved	**NS**	0.12 U	0.11 U	0.11 U	0.12 U	0.25 U	0.56 U	0.054 U	0.056 U
Aroclor 1232-Dissolved	**NS**	0.088 U	0.081 U	0.081 U	0.09 U	0.11 U	0.56 U	0.054 U	0.056 U
Aroclor 1242-Dissolved	**NS**	0.078 U	0.072 U	0.072 U	0.08 U	0.12 U	0.56 U	0.054 U	0.056 U
Aroclor 1248-Dissolved	**NS**	0.065 U	0.06 U	0.06 U	0.067 U	0.16 U	0.56 U	0.054 U	0.056 U
Aroclor 1254-Dissolved	**NS**	0.1 U	0.094 U	0.094 U	0.1 U	0.04 U	0.56 U	0.088 U	0.091 U
Aroclor 1260-Dissolved	**NS**	0.089 U	0.082 U	0.082 U	0.027 U	0.069 U	0.56 U	0.088 U	0.091 U
Total Dissolved PCBs	**0.09**	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-30R4			
Lab Sample ID	Class GA	460-32773-3	460-36282-14	460-38848-4	460-42091-7
Date Sampled	Water Quality	10/24/2011	2/2/2012	4/6/2012	7/6/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016	NS	0.13 U *	0.14 U	0.13 U	0.13 U
Aroclor 1221	NS	0.28 U	0.29 U	0.29 U	0.28 U
Aroclor 1232	NS	0.12 U	0.13 U	0.24 U	0.12 U
Aroclor 1242	NS	0.12 U	0.13 U	0.12 U	0.12 U
Aroclor 1248	NS	0.24 U	0.25 U	0.17 U	0.24 U
Aroclor 1254	NS	0.17 U	0.18 U	0.12 U	0.17 U
Aroclor 1260	NS	0.15 U *	0.16 U	0.15 U	0.15 U
Total PCBs	0.09	ND	ND	ND	ND

Client ID	NYSDEC	MW-30R4			
Lab Sample ID	Class GA	460-32773-3	460-36282-14	460-38848-4	460-42091-7
Date Sampled	Water Quality	10/24/2011	2/2/2012	4/6/2012	7/6/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016-Dissolved	NS	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor 1221-Dissolved	NS	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor 1232-Dissolved	NS	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242-Dissolved	NS	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	NS	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254-Dissolved	NS	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260-Dissolved	NS	0.15 U	0.15 U	0.15 U	0.15 U *
Total Dissolved PCBs	0.09	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-31								
Lab Sample ID	Class GA	213893-014	214586-014	220-1449-5	220-2239-5	220-3117-2	220-4176-1	922736	220-6223-2	220-8299-1
Date Sampled	Water Quality	10/11/2006	1/22/2007	4/24/2007	7/24/2007	10/17/2007	2/15/2008	5/23/2008	8/14/2008	3/5/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1
Parameter (µg/L)										
Aroclor 1016	**NS**	0.061 U	0.063 U	0.057 U	0.057 U	0.082 U	0.083 U	0.53 U	0.083 U	0.05 U
Aroclor 1221	**NS**	0.11 U	0.12 U	0.11 U	0.11 U	0.26 U	0.27 U	0.53 U	0.35 U	0.05 U
Aroclor 1232	**NS**	0.087 U	0.089 U	0.081 U	0.081 U	0.12 U	0.12 U	0.53 U	0.083 U	0.05 U
Aroclor 1242	**NS**	0.077 U	0.079 U	0.072 U	0.072 U	0.13 U	0.13 U	0.53 U	0.083 U	0.05 U
Aroclor 1248	**NS**	0.065 U	0.066 U	0.06 U	0.06 U	0.17 U	0.17 U	0.53 U	0.083 U	0.05 U
Aroclor 1254	**NS**	0.1 U	0.1 U	1.4 M	0.39 JM	0.042 U	0.043 U	0.53 U	0.05 U	0.082 U
Aroclor 1260	**NS**	1.7 M	0.45 JM	2.2 M	1.1 M	0.34 JM	0.5 JM	0.53 U	0.26 J	0.082 U
Total PCBs	**0.09**	**1.7**	**0.45**	**3.6**	**1.49**	**0.34**	**0.5**	ND	**0.26**	ND

Client ID	NYSDEC	MW-31								
Lab Sample ID	Class GA	213893-014	214586-014	220-1449-6	220-2239-18	220-3117-2	220-4176-5	922746	220-6223-7	220-8299-7
Date Sampled	Water Quality	10/11/2006	1/22/2007	4/24/2007	7/24/2007	10/17/2007	2/15/2008	5/23/2008	8/14/2008	3/5/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1
Parameter (µg/L)										
Aroclor 1016-Dissolved	**NS**	0.061 U	0.063 U	0.057 U	0.057 U	0.085 U	0.085 U	0.53 U	0.083 U	0.05 U
Aroclor 1221-Dissolved	**NS**	0.11 U	0.12 U	0.11 U	0.11 U	0.27 U	0.27 U	0.53 U	0.35 U	0.05 U
Aroclor 1232-Dissolved	**NS**	0.087 U	0.09 U	0.081 U	0.081 U	0.12 U	0.12 U	0.53 U	0.083 U	0.05 U
Aroclor 1242-Dissolved	**NS**	0.077 U	0.08 U	0.072 U	0.072 U	0.13 U	0.13 U	0.53 U	0.083 U	0.05 U
Aroclor 1248-Dissolved	**NS**	0.065 U	0.067 U	0.06 U	0.06 U	0.17 U	0.17 U	0.53 U	0.083 U	0.05 U
Aroclor 1254-Dissolved	**NS**	0.1 U	0.1 U	0.094 U	0.094 U	0.044 U	0.044 U	0.53 U	0.05 U	0.082 U
Aroclor 1260-Dissolved	**NS**	0.25 JM	0.091 U	0.082 UM	0.024 U	0.075 U	0.075 U	0.53 U	0.052 U	0.082 U
Total Dissolved PCBs	**0.09**	**0.25**	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-31R			
Lab Sample ID	Class GA	460-32773-5	460-36282-11	460-38772-5	460-42091-6
Date Sampled	Water Quality	10/24/2011	2/2/2012	4/5/2012	7/6/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016	**NS**	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor 1221	**NS**	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor 1232	**NS**	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242	**NS**	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248	**NS**	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254	**NS**	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260	**NS**	0.46 J	0.15 U	0.15 U	0.15 U
Total PCBs	**0.09**	**0.46**	ND	ND	ND

Client ID	NYSDEC	MW-31R			
Lab Sample ID	Class GA	460-32773-5	460-36282-11	460-38772-5	460-42091-6
Date Sampled	Water Quality	10/24/2011	2/2/2012	4/5/2012	7/6/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016-Dissolved	**NS**	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor 1221-Dissolved	**NS**	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor 1232-Dissolved	**NS**	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242-Dissolved	**NS**	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	**NS**	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254-Dissolved	**NS**	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260-Dissolved	**NS**	0.63	0.15 U	0.15 U	0.15 U *
Total Dissolved PCBs	**0.09**	**0.63**	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-32										
Lab Sample ID	Class GA	213893-008	214586-012	220-1449-1	220-2239-6	220-3117-1	220-4162-6	220-6223-3	220-8253-8	220-9180-2	220-9971-3	220-9971-2
Date Sampled	Water Quality	10/6/2006	1/19/2007	4/24/2007	7/24/2007	10/17/2007	2/14/2008	8/14/2008	3/4/2009	5/28/2009	8/26/2009	8/26/2009
Dilution	Standards	1	1	1	2	1	1	1	1	1	1	1
Parameter (µg/L)												Duplicate
Aroclor 1016	**NS**	0.064 U	0.059 U	0.057 U	0.13 U	0.079 U	0.077 U	0.082 U	0.05 U	0.056 U	0.054 U	0.057 U
Aroclor 1221	**NS**	0.12 U	0.11 U	0.11 U	0.24 U	0.25 U	0.25 U	0.35 U	0.05 U	0.056 U	0.054 U	0.057 U
Aroclor 1232	**NS**	0.091 U	0.084 U	0.081 U	0.18 U	0.12 U	0.11 U	0.082 U	0.05 U	0.056 U	0.054 U	0.057 U
Aroclor 1242	**NS**	0.081 U	0.075 U	0.072 U	0.16 U	0.13 U	0.12 U	0.082 U	0.05 U	0.056 U	0.054 U	0.057 U
Aroclor 1248	**NS**	0.067 U	0.063 U	0.06 U	0.13 U	0.16 U	0.16 U	0.082 U	0.05 U	0.056 U	0.054 U	0.057 U
Aroclor 1254	**NS**	0.11 U	0.098 U	1.6 M	0.21 U	0.041 U	3.4 M	0.049 U	0.082 U	0.091 U	0.089 U	0.094 U
Aroclor 1260	**NS**	0.87 M	0.98 M	2.3 M	0.41 JM	0.6	2.6 M	0.052 U	0.082 U	0.29 J	0.37 J	0.19 J
Total PCBs	**0.09**	**0.87**	**0.98**	**3.9**	**0.41**	**0.6**	**6**	ND	ND	**0.29**	**0.37**	**0.19**

Client ID	NYSDEC	MW-32										
Lab Sample ID	Class GA	213893-008	214586-012	220-1449-2	220-2239-19	220-3117-1	220-4162-13	220-6223-8	220-8253-9	220-9180-2	220-9971-3	220-9971-2
Date Sampled	Water Quality	10/6/2006	1/19/2007	4/24/2007	7/24/2007	10/17/2007	2/14/2008	8/14/2008	3/4/2009	5/28/2009	8/26/2009	8/26/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)												Duplicate
Aroclor 1016-Dissolved	**NS**	0.061 U	0.062 U	0.057 U	0.064 U	0.082 U	0.076 U	0.082 U	0.052 U	0.054 U	0.056 U	0.058 U
Aroclor 1221-Dissolved	**NS**	0.11 U	0.12 U	0.11 U	0.12 U	0.26 U	0.24 U	0.35 U	0.052 U	0.054 U	0.056 U	0.058 U
Aroclor 1232-Dissolved	**NS**	0.087 U	0.088 U	0.081 U	0.091 U	0.12 U	0.11 U	0.082 U	0.052 U	0.054 U	0.056 U	0.058 U
Aroclor 1242-Dissolved	**NS**	0.077 U	0.078 U	0.072 U	0.081 U	0.13 U	0.12 U	0.082 U	0.052 U	0.054 U	0.056 U	0.058 U
Aroclor 1248-Dissolved	**NS**	0.065 U	0.065 U	0.06 U	0.067 U	0.17 U	0.15 U	0.082 U	0.052 U	0.054 U	0.056 U	0.058 U
Aroclor 1254-Dissolved	**NS**	0.1 U	0.1 U	0.094 U	0.11 U	0.042 U	0.039 U	0.049 U	0.085 U	0.088 U	0.091 U	0.095 U
Aroclor 1260-Dissolved	**NS**	0.19 JM	0.089 U	0.082 U	0.027 U	0.073 U	0.067 U	0.052 U	0.085 U	0.088 U	0.091 U	0.095 U
Total Dissolved PCBs	**0.09**	**0.19**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-32R			
Lab Sample ID	Class GA	460-32773-1	460-36282-13	460-38772-3	460-42091-4
Date Sampled	Water Quality	10/24/2011	2/2/2012	4/5/2012	7/5/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016	**NS**	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor 1221	**NS**	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor 1232	**NS**	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242	**NS**	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248	**NS**	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254	**NS**	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260	**NS**	5.9	5.5	0.15 U	3.7
Total PCBs	**0.09**	**5.9**	**5.5**	ND	**3.7**

Client ID	NYSDEC	MW-32R			
Lab Sample ID	Class GA	460-32773-1	460-36282-13	460-38772-3	460-42091-4
Date Sampled	Water Quality	10/24/2011	2/2/2012	4/5/2012	7/5/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016-Dissolved	**NS**	0.14 U	0.13 U	0.13 U	0.13 U
Aroclor 1221-Dissolved	**NS**	0.30 U	0.28 U	0.28 U	0.28 U
Aroclor 1232-Dissolved	**NS**	0.13 U	0.12 U	0.24 U	0.12 U
Aroclor 1242-Dissolved	**NS**	0.13 U	0.12 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	**NS**	0.26 U	0.24 U	0.17 U	0.24 U
Aroclor 1254-Dissolved	**NS**	0.18 U	0.17 U	0.12 U	0.17 U
Aroclor 1260-Dissolved	**NS**	0.16 U	3.8	0.15 U	0.15 U *
Total Dissolved PCBs	**0.09**	ND	**3.8**	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-33				MW-33R						
Lab Sample ID	Class GA	213893-013	214586-010	220-1449-3	220-2268-2	220-4162-5	922563	220-6176-11	220-7297-8	220-8253-1	220-9180-3	220-9971-4
Date Sampled	Water Quality	10/10/2006	1/19/2007	4/24/2007	7/26/2007	2/14/2008	5/22/2008	8/13/2008	11/20/2008	3/4/2009	5/28/2009	8/26/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)												
Aroclor 1016	**NS**	0.063 U	0.057 U	0.057 U	0.071 U	0.087 U	0.57 U	0.083 U	0.087 U	0.055 U	0.053 U	0.053 U
Aroclor 1221	**NS**	0.12 U	0.11 U	0.11 U	0.13 U	0.28 U	0.57 U	0.35 U	0.37 U	0.055 U	0.053 U	0.053 U
Aroclor 1232	**NS**	0.09 U	0.081 U	0.081 U	0.1 U	0.13 U	0.57 U	0.083 U	0.087 U	0.055 U	0.053 U	0.053 U
Aroclor 1242	**NS**	0.08 U	0.072 U	0.072 U	0.09 U	0.14 U	0.57 U	0.083 U	0.087 U	0.055 U	0.053 U	0.053 U
Aroclor 1248	**NS**	0.067 U	0.06 U	0.06 U	0.075 U	0.18 U	0.57 U	0.083 U	0.087 U	0.055 U	0.053 U	0.053 U
Aroclor 1254	**NS**	0.1 U	0.094 U	0.094 U	0.12 U	0.045 U	0.57 U	0.05 U	0.052 U	0.09 U	0.087 U	0.086 U
Aroclor 1260	**NS**	1.5 M	0.16 JM	0.082 U	0.03 U	2.3 M	0.57 U	0.25 J	0.055 U	0.09 U	0.31 J	0.41 J
Total PCBs	**0.09**	**1.5**	**0.16**	ND	ND	**2.3**	ND	**0.25**	ND	ND	**0.31**	**0.41**

Client ID	NYSDEC	MW-33				MW-33R						
Lab Sample ID	Class GA	213893-013	214586-010	220-1449-4	220-2268-7	220-4162-12	922569	220-6176-16	220-7297-16	220-8253-2	220-9180-3	220-9971-4
Date Sampled	Water Quality	10/10/2006	1/19/2007	4/24/2007	7/26/2007	2/14/2008	5/22/2008	8/13/2008	11/20/2008	3/4/2009	5/28/2009	8/26/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)												
Aroclor 1016-Dissolved	**NS**	0.062 U	0.061 U	0.057 U	0.071 U	0.083 U	0.59 U	0.082 U	0.082 U	0.05 U	0.058 U	0.053 U
Aroclor 1221-Dissolved	**NS**	0.12 U	0.11 U	0.11 U	0.13 U	0.27 U	0.59 U	0.35 U	0.35 U	0.05 U	0.058 U	0.053 U
Aroclor 1232-Dissolved	**NS**	0.088 U	0.086 U	0.081 U	0.1 U	0.12 U	0.59 U	0.082 U	0.082 U	0.05 U	0.058 U	0.053 U
Aroclor 1242-Dissolved	**NS**	0.078 U	0.077 U	0.072 U	0.09 U	0.13 U	0.59 U	0.082 U	0.082 U	0.05 U	0.058 U	0.053 U
Aroclor 1248-Dissolved	**NS**	0.065 U	0.064 U	0.06 U	0.075 U	0.17 U	0.59 U	0.082 U	0.082 U	0.05 U	0.058 U	0.053 U
Aroclor 1254-Dissolved	**NS**	0.1 U	0.1 U	0.094 U	0.12 U	0.043 U	0.59 U	0.049 U	0.049 U	0.082 U	0.095 U	0.087 U
Aroclor 1260-Dissolved	**NS**	1.5 M	0.087 U	0.082 U	0.03 U	0.074 U	0.59 U	0.052 U	0.052 U	0.082 U	0.095 U	0.087 U
Total Dissolved PCBs	**0.09**	**1.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-33R2				MW-33RA
Lab Sample ID	Class GA	460-32773-4	460-36282-6	460-38772-4	460-42091-3	220-7297-9
Date Sampled	Water Quality	10/24/2011	2/1/2012	4/5/2012	7/5/2012	11/20/2008
Dilution	Standards	1	1	1	1	1
Parameter (µg/L)						
Aroclor 1016	NS	0.13 U *	0.13 U	0.13 U	0.13 U	0.084 U
Aroclor 1221	NS	0.28 U	0.29 U	0.28 U	0.28 U	0.36 U
Aroclor 1232	NS	0.12 U	0.12 U	0.24 U	0.12 U	0.084 U
Aroclor 1242	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.084 U
Aroclor 1248	NS	0.24 U	0.24 U	0.17 U	0.24 U	0.084 U
Aroclor 1254	NS	0.17 U	0.17 U	0.12 U	0.17 U	0.051 U
Aroclor 1260	NS	0.15 U *	0.15 U	0.15 U	0.15 U	0.053 U
Total PCBs	0.09	ND	ND	ND	ND	ND

Client ID	NYSDEC	MW-33R2				MW-33RA
Lab Sample ID	Class GA	460-32773-4	460-36282-6	460-38772-4	460-42091-3	220-7297-17
Date Sampled	Water Quality	10/24/2011	2/1/2012	4/5/2012	7/5/2012	11/20/2008
Dilution	Standards	1	1	1	1	1
Parameter (µg/L)						
Aroclor 1016-Dissolved	NS	0.13 U	0.13 U	0.13 U	0.13 U	0.085 U
Aroclor 1221-Dissolved	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.36 U
Aroclor 1232-Dissolved	NS	0.12 U	0.12 U	0.24 U	0.12 U	0.085 U
Aroclor 1242-Dissolved	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.085 U
Aroclor 1248-Dissolved	NS	0.24 U	0.24 U	0.17 U	0.24 U	0.085 U
Aroclor 1254-Dissolved	NS	0.17 U	0.17 U	0.12 U	0.17 U	0.051 U
Aroclor 1260-Dissolved	NS	0.15 U	0.15 U	0.15 U	0.15 U *	0.053 U
Total Dissolved PCBs	0.09	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-34				MW-34R						
Lab Sample ID	Class GA	213893-018	214586-013	220-1422-1	220-2268-3	220-4162-4	922561	220-6176-10	220-7297-7	220-8277-1	220-9180-4	220-9971-5
Date Sampled	Water Quality	10/11/2006	1/19/2007	4/23/2007	7/26/2007	2/14/2008	5/22/2008	8/13/2008	11/20/2008	3/5/2009	5/28/2009	8/26/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)												
Aroclor 1016	**NS**	0.062 U	0.057 U	0.057 U	0.057 U	0.078 U	0.59 U	0.087 U	0.075 U	0.05 U	0.055 U	0.054 U
Aroclor 1221	**NS**	0.12 U	0.11 U	0.11 U	0.11 U	0.25 U	0.59 U	0.37 U	0.32 U	0.05 U	0.055 U	0.054 U
Aroclor 1232	**NS**	0.088 U	0.081 U	0.081 U	0.081 U	0.12 U	0.59 U	0.087 U	0.075 U	0.05 U	0.055 U	0.054 U
Aroclor 1242	**NS**	0.078 U	0.072 U	0.072 U	0.072 U	0.12 U	0.59 U	0.087 U	0.075 U	0.05 U	0.055 U	0.054 U
Aroclor 1248	**NS**	0.065 U	0.06 U	0.06 U	0.06 U	0.16 U	0.59 U	0.087 U	0.075 U	0.05 U	0.055 U	0.054 U
Aroclor 1254	**NS**	0.1 U	0.95 M	4 M	0.59 M	0.04 U	0.59 U	0.052 U	0.045 U	0.082 U	0.090 U	0.088 U
Aroclor 1260	**NS**	0.6 M	2.6 M	7.8 M	0.45 JM	0.07 U	0.59 U	0.055 U	0.047 U	0.21 J	0.090 U	0.088 U
Total PCBs	**0.09**	**0.6**	**3.55**	**11.8**	**1.04**	ND	ND	ND	ND	**0.21**	ND	ND

Client ID	NYSDEC	MW-34				MW-34R						
Lab Sample ID	Class GA	213893-018	214586-013	220-1422-2	220-2268-8	220-4162-11	922568	220-6176-15	220-7297-15	220-8277-2	220-9180-4	220-9971-5
Date Sampled	Water Quality	10/11/2006	1/19/2007	4/23/2007	7/26/2007	2/14/2008	5/22/2008	8/13/2008	11/20/2008	3/5/2009	5/28/2009	8/26/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)												
Aroclor 1016-Dissolved	**NS**	0.062 U	0.057 U	0.057 U	0.072 U	0.078 U	0.56 U	0.082 U	0.091 U	0.05 U	0.053 U	0.055 U
Aroclor 1221-Dissolved	**NS**	0.12 U	0.11 U	0.11 U	0.13 U	0.25 U	0.56 U	0.35 U	0.39 U	0.05 U	0.053 U	0.055 U
Aroclor 1232-Dissolved	**NS**	0.088 U	0.081 U	0.081 U	0.1 U	0.12 U	0.56 U	0.082 U	0.091 U	0.05 U	0.053 U	0.055 U
Aroclor 1242-Dissolved	**NS**	0.078 U	0.072 U	0.072 U	0.091 U	0.12 U	0.56 U	0.082 U	0.091 U	0.05 U	0.053 U	0.055 U
Aroclor 1248-Dissolved	**NS**	0.065 U	0.06 U	0.06 U	0.076 U	0.16 U	0.56 U	0.082 U	0.091 U	0.05 U	0.053 U	0.055 U
Aroclor 1254-Dissolved	**NS**	0.1 U	0.094 U	0.094 U	0.12 U	0.04 U	0.56 U	0.049 U	0.055 U	0.082 U	0.087 U	0.090 U
Aroclor 1260-Dissolved	**NS**	0.85 M	0.11 JM	0.082 U	0.03 U	0.07 U	0.56 U	0.052 U	0.057 U	0.082 U	0.087 U	0.090 U
Total Dissolved PCBs	**0.09**	**0.85**	**0.11**	ND	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-34R2			
Lab Sample ID	Class GA	220-16768-8	460-36282-9	460-38772-2	460-42091-2
Date Sampled	Water Quality	10/21/2011	2/1/2012	4/5/2012	7/5/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016	NS	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor 1221	NS	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor 1232	NS	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242	NS	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248	NS	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254	NS	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260	NS	0.15 U	0.15 U	0.15 U	0.15 U
Total PCBs	0.09	ND	ND	ND	ND

Client ID	NYSDEC	MW-34R2			
Lab Sample ID	Class GA	220-16768-8	460-36282-9	460-38772-2	460-42091-2
Date Sampled	Water Quality	10/21/2011	2/1/2012	4/5/2012	7/5/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016-Dissolved	NS	0.14 U	0.13 U	0.13 U	0.13 U
Aroclor 1221-Dissolved	NS	0.31 U	0.28 U	0.28 U	0.29 U
Aroclor 1232-Dissolved	NS	0.13 U	0.12 U	0.24 U	0.12 U
Aroclor 1242-Dissolved	NS	0.13 U	0.12 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	NS	0.27 U	0.24 U	0.17 U	0.24 U
Aroclor 1254-Dissolved	NS	0.19 U	0.17 U	0.12 U	0.17 U
Aroclor 1260-Dissolved	NS	0.17 U	0.15 U	0.15 U	0.15 U *
Total Dissolved PCBs	0.09	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-35									
Lab Sample ID	Class GA	213893-006	214586-011	220-1422-3	220-2239-10	220-3097-4	220-4162-3	922559	220-6176-9	220-7297-6	220-8253-3
Date Sampled	Water Quality	10/5/2006	1/19/2007	4/23/2007	7/25/2007	10/16/2007	2/14/2008	5/22/2008	8/13/2008	11/20/2008	3/4/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)											
Aroclor 1016	**NS**	0.057 U	0.057 U	0.057 U	0.066 U	0.078 U	0.088 U	0.51 U	0.075 U	0.089 U	0.061 U
Aroclor 1221	**NS**	0.11 U	0.11 U	0.11 U	0.12 U	0.25 U	0.28 U	0.51 U	0.32 U	0.38 U	0.061 U
Aroclor 1232	**NS**	0.081 U	0.081 U	0.081 U	0.094 U	0.12 U	0.13 U	0.51 U	0.075 U	0.089 U	0.061 U
Aroclor 1242	**NS**	0.072 U	0.072 U	0.072 U	0.084 U	0.12 U	0.14 U	0.51 U	0.075 U	0.089 U	0.061 U
Aroclor 1248	**NS**	0.06 U	0.06 U	0.06 U	0.07 U	0.16 U	0.18 U	0.51 U	0.075 U	0.089 U	0.061 U
Aroclor 1254	**NS**	0.094 U	0.094 U	0.16 JM	0.11 U	0.04 U	0.045 U	0.51 U	0.045 U	0.054 U	0.10 U
Aroclor 1260	**NS**	0.082 U	0.12 J	0.16 JM	0.091 JM	0.07 U	0.093 JM	0.51 U	0.047 U	0.056 U	0.10 U
Total PCBs	**0.09**	ND	**0.12**	**0.32**	**0.091**	ND	**0.093**	ND	ND	ND	ND

Client ID	NYSDEC	MW-35									
Lab Sample ID	Class GA	213893-006	214586-011	220-1422-4	220-2239-23	220-3097-4	220-4162-10	922567	220-6176-14	220-7297-14	220-8253-4
Date Sampled	Water Quality	10/5/2006	1/19/2007	4/23/2007	7/25/2007	10/16/2007	2/14/2008	5/22/2008	8/13/2008	11/20/2008	3/4/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)											
Aroclor 1016-Dissolved	**NS**	0.061 U	0.057 U	0.057 U	0.063 U	0.078 U	0.09 U	0.52 U	0.082 U	0.086 U	0.056 U
Aroclor 1221-Dissolved	**NS**	0.11 U	0.11 U	0.11 U	0.12 U	0.25 U	0.29 U	0.52 U	0.35 U	0.37 U	0.056 U
Aroclor 1232-Dissolved	**NS**	0.086 U	0.081 U	0.081 U	0.09 U	0.12 U	0.13 U	0.52 U	0.082 U	0.086 U	0.056 U
Aroclor 1242-Dissolved	**NS**	0.077 U	0.072 U	0.072 U	0.08 U	0.12 U	0.14 U	0.52 U	0.082 U	0.086 U	0.056 U
Aroclor 1248-Dissolved	**NS**	0.064 U	0.06 U	0.06 U	0.067 U	0.16 U	0.18 U	0.52 U	0.082 U	0.086 U	0.056 U
Aroclor 1254-Dissolved	**NS**	0.1 U	0.094 U	0.094 U	0.1 U	0.04 U	0.046 U	0.52 U	0.049 U	0.052 U	0.091 U
Aroclor 1260-Dissolved	**NS**	0.087 U	0.082 U	0.082 U	0.027 U	0.07 U	0.08 U	0.52 U	0.052 U	0.054 U	0.091 U
Total Dissolved PCBs	**0.09**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-35 Cont.		MW-35R			
Lab Sample ID	Class GA	220-9180-5	220-9971-6	220-16768-19	460-36282-8	460-38772-1	460-42091-1
Date Sampled	Water Quality	5/28/2009	8/26/2009	10/21/2011	2/1/2012	4/5/2012	7/5/2012
Dilution	Standards	1	1	1	1	1	1
Parameter (µg/L)							
Aroclor 1016	NS	0.054 U	0.050 U	0.13 U	0.14 U	0.13 U	0.13 U
Aroclor 1221	NS	0.054 U	0.050 U	0.29 U	0.29 U	0.28 U	0.28 U
Aroclor 1232	NS	0.054 U	0.050 U	0.12 U	0.13 U	0.24 U	0.12 U
Aroclor 1242	NS	0.054 U	0.050 U	0.12 U	0.13 U	0.12 U	0.12 U
Aroclor 1248	NS	0.054 U	0.050 U	0.24 U	0.25 U	0.17 U	0.24 U
Aroclor 1254	NS	0.088 U	0.082 U	0.17 U	0.18 U	0.12 U	0.17 U
Aroclor 1260	NS	0.088 U	0.082 U	0.15 U	0.16 U	0.15 U	0.15 U
Total PCBs	0.09	ND	ND	ND	ND	ND	ND

Client ID	NYSDEC	MW-35 Cont.		MW-35R			
Lab Sample ID	Class GA	220-9180-5	220-9971-6	220-16768-19	460-36282-8	460-38772-1	460-42091-1
Date Sampled	Water Quality	5/28/2009	8/26/2009	10/21/2011	2/1/2012	4/5/2012	7/5/2012
Dilution	Standards	1	1	1	1	1	1
Parameter (µg/L)							
Aroclor 1016-Dissolved	NS	0.052 U	0.053 U	0.14 U	0.13 U	0.13 U	0.13 U
Aroclor 1221-Dissolved	NS	0.052 U	0.053 U	0.30 U	0.28 U	0.28 U	0.29 U
Aroclor 1232-Dissolved	NS	0.052 U	0.053 U	0.13 U	0.12 U	0.24 U	0.12 U
Aroclor 1242-Dissolved	NS	0.052 U	0.053 U	0.13 U	0.12 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	NS	0.052 U	0.053 U	0.26 U	0.24 U	0.17 U	0.24 U
Aroclor 1254-Dissolved	NS	0.085 U	0.086 U	0.18 U	0.17 U	0.12 U	0.17 U
Aroclor 1260-Dissolved	NS	0.085 U	0.086 U	0.16 U	0.15 U	0.15 U	0.15 U *
Total Dissolved PCBs	0.09	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-36					MW-36R					
Lab Sample ID	Class GA	213893-007	214586-009	220-1404-1	220-2268-4	220-3097-2	220-4162-2	922555	220-6176-8	220-7297-5	220-8234-2	220-9165-7
Date Sampled	Water Quality	10/6/2006	1/18/2007	4/20/2007	7/26/2007	10/16/2007	2/14/2008	5/22/2008	8/13/2008	11/20/2008	3/3/2009	5/27/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)												
Aroclor 1016	**NS**	0.058 U	0.057 U	0.057 U	0.061 U	0.083 U	0.077 U	0.57 U	0.078 U	0.082 U	0.054 U	0.054 U
Aroclor 1221	**NS**	0.11 U	0.11 U	0.11 U	0.11 U	0.27 U	0.25 U	0.57 U	0.33 U	0.35 U	0.054 U	0.054 U
Aroclor 1232	**NS**	0.083 U	0.081 U	0.081 U	0.087 U	0.12 U	0.11 U	0.57 U	0.078 U	0.082 U	0.054 U	0.054 U
Aroclor 1242	**NS**	0.073 U	0.072 U	0.072 U	0.077 U	0.13 U	0.12 U	0.57 U	0.078 U	0.082 U	0.054 U	0.054 U
Aroclor 1248	**NS**	0.061 U	0.06 U	0.06 U	0.065 U	0.17 U	0.16 U	0.57 U	0.078 U	0.082 U	0.054 U	0.054 U
Aroclor 1254	**NS**	0.096 U	0.094 U	0.094 U	0.1 U	0.043 U	0.04 U	0.57 U	0.047 U	0.049 U	0.088 U	0.089 U
Aroclor 1260	**NS**	0.084 U	0.082 U	0.082 UM	0.026 U	0.074 U	0.069 U	0.57 U	0.049 U	0.051 U	0.088 U	0.089 U
Total PCBs	**0.09**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Client ID	NYSDEC	MW-36					MW-36R					
Lab Sample ID	Class GA	213893-007	214586-009	220-1404-2	220-2268-9	220-3097-2	220-4162-9	922565	220-6176-13	220-7297-13	220-8234-7	220-9165-7
Date Sampled	Water Quality	10/6/2006	1/18/2007	4/20/2007	7/26/2007	10/16/2007	2/14/2008	5/22/2008	8/13/2008	11/20/2008	3/3/2009	5/27/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)												
Aroclor 1016-Dissolved	**NS**	0.057 U	0.057 U	0.057 U	0.061 U	0.079 U	0.082 U	0.52 U	0.082 U	0.082 U	0.052 U	0.056 U
Aroclor 1221-Dissolved	**NS**	0.11 U	0.11 U	0.11 U	0.11 U	0.25 U	0.26 U	0.52 U	0.35 U	0.35 U	0.052 U	0.056 U
Aroclor 1232-Dissolved	**NS**	0.081 U	0.081 U	0.081 U	0.087 U	0.12 U	0.12 U	0.52 U	0.082 U	0.082 U	0.052 U	0.056 U
Aroclor 1242-Dissolved	**NS**	0.072 U	0.072 U	0.072 U	0.077 U	0.13 U	0.13 U	0.52 U	0.082 U	0.082 U	0.052 U	0.056 U
Aroclor 1248-Dissolved	**NS**	0.06 U	0.06 U	0.06 U	0.065 U	0.16 U	0.17 U	0.52 U	0.082 U	0.082 U	0.052 U	0.056 U
Aroclor 1254-Dissolved	**NS**	0.094 U	0.094 U	0.094 U	0.1 U	0.041 U	0.042 U	0.52 U	0.049 U	0.049 U	0.085 U	0.091 U
Aroclor 1260-Dissolved	**NS**	0.082 U	0.082 U	0.082 U	0.026 U	0.07 U	0.073 U	0.52 U	0.051 U	0.052 U	0.085 U	0.091 U
Total Dissolved PCBs	**0.09**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-36R2			
Lab Sample ID	Class GA	220-16768-9	460-36282-7	460-38706-6	460-42028-5
Date Sampled	Water Quality	10/21/2011	2/1/2012	4/4/2012	7/3/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016	NS	0.13 U	0.13 U	0.13 U	0.13 U *
Aroclor 1221	NS	0.29 U	0.28 U	0.28 U	0.28 U
Aroclor 1232	NS	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242	NS	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248	NS	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254	NS	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260	NS	0.15 U	0.15 U	0.15 U	0.15 U
Total PCBs	0.09	ND	ND	ND	ND

Client ID	NYSDEC	MW-36R2			
Lab Sample ID	Class GA	220-16768-9	460-36282-7	460-38706-6	460-42028-5
Date Sampled	Water Quality	10/21/2011	2/1/2012	4/4/2012	7/3/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016-Dissolved	NS	0.14 U	0.13 U	0.13 U	0.13 U *
Aroclor 1221-Dissolved	NS	0.31 U	0.28 U	0.28 U	0.28 U
Aroclor 1232-Dissolved	NS	0.13 U	0.12 U	0.24 U	0.12 U
Aroclor 1242-Dissolved	NS	0.13 U	0.12 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	NS	0.27 U	0.24 U	0.17 U	0.24 U
Aroclor 1254-Dissolved	NS	0.19 U	0.17 U	0.12 U	0.17 U
Aroclor 1260-Dissolved	NS	0.17 U	0.15 U	0.15 U	0.15 U
Total Dissolved PCBs	0.09	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-37									
Lab Sample ID	Class GA	213893-020	214586-006	220-1404-3	220-2268-1	220-3079-4	220-4162-1	922557	220-6194-1	220-7297-4	220-8253-5
Date Sampled	Water Quality	10/16/2006	1/18/2007	4/19/2007	7/26/2007	10/15/2007	2/14/2008	5/22/2008	8/12/2008	11/20/2008	3/3/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)											
Aroclor 1016	**NS**	0.061 U	0.057 U	0.057 U	0.061 U	0.087 U	0.08 U	0.53 U	0.083 U	0.089 U	0.052 U
Aroclor 1221	**NS**	0.11 U	0.11 U	0.11 U	0.11 U	0.28 U	0.26 U	0.53 U	0.35 U	0.38 U	0.052 U
Aroclor 1232	**NS**	0.087 U	0.081 U	0.081 U	0.086 U	0.13 U	0.12 U	0.53 U	0.083 U	0.089 U	0.052 U
Aroclor 1242	**NS**	0.077 U	0.072 U	0.072 U	0.077 U	0.14 U	0.13 U	0.53 U	0.083 U	0.089 U	0.052 U
Aroclor 1248	**NS**	0.065 U	0.06 U	0.06 U	0.064 U	0.18 U	0.16 U	0.53 U	0.083 U	0.089 U	0.052 U
Aroclor 1254	**NS**	0.1 U	0.094 U	0.094 U	0.1 U	0.045 U	0.041 U	0.53 U	0.05 U	0.054 U	0.085 U
Aroclor 1260	**NS**	0.13 JM	0.082 U	0.082 U	0.026 U	0.077 U	0.071 U	0.53 U	0.052 U	0.056 U	0.085 U
Total PCBs	**0.09**	**0.13**	ND	ND	ND	ND	ND	ND	ND	ND	ND

Client ID	NYSDEC	MW-37									
Lab Sample ID	Class GA	213893-020	214586-006	220-1404-4	220-2268-6	220-3079-4	220-4162-8	922566	220-6194-6	220-7297-12	220-8253-6
Date Sampled	Water Quality	10/16/2006	1/18/2007	4/19/2007	7/26/2007	10/15/2007	2/14/2008	5/22/2008	8/12/2008	11/20/2008	3/3/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)											
Aroclor 1016-Dissolved	**NS**	0.061 U	0.057 U	0.057 U	0.061 U	0.079 U	0.08 U	0.52 U	0.083 U	0.087 U	0.05 U
Aroclor 1221-Dissolved	**NS**	0.11 U	0.11 U	0.11 U	0.11 U	0.25 U	0.26 U	0.52 U	0.35 U	0.37 U	0.05 U
Aroclor 1232-Dissolved	**NS**	0.087 U	0.081 U	0.081 U	0.087 U	0.12 U	0.12 U	0.52 U	0.083 U	0.087 U	0.05 U
Aroclor 1242-Dissolved	**NS**	0.077 U	0.072 U	0.072 U	0.077 U	0.13 U	0.13 U	0.52 U	0.083 U	0.087 U	0.05 U
Aroclor 1248-Dissolved	**NS**	0.065 U	0.06 U	0.06 U	0.065 U	0.16 U	0.16 U	0.52 U	0.083 U	0.087 U	0.05 U
Aroclor 1254-Dissolved	**NS**	0.1 U	0.094 U	0.094 U	0.1 U	0.041 U	0.041 U	0.52 U	0.05 U	0.052 U	0.082 U
Aroclor 1260-Dissolved	**NS**	0.088 U	0.082 U	0.082 U	0.026 U	0.07 U	0.071 U	0.52 U	0.052 U	0.055 U	0.082 U
Total Dissolved PCBs	**0.09**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-37 Cont.		MW-37R			
Lab Sample ID	Class GA	220-9165-6	220-9958-7	220-16768-15	460-36333-3	460-38706-4	460-42028-4
Date Sampled	Water Quality	5/27/2009	8/25/2009	10/20/2011	1/31/2012	4/4/2012	7/3/2012
Dilution	Standards	1	1	1	1	1	1
Parameter (µg/L)							
Aroclor 1016	**NS**	0.054 U	0.054 U	0.13 U	0.13 U	0.13 U	0.13 U *
Aroclor 1221	**NS**	0.054 U	0.054 U	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor 1232	**NS**	0.054 U	0.054 U	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242	**NS**	0.054 U	0.054 U	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248	**NS**	0.054 U	0.054 U	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254	**NS**	0.088 U	0.088 U	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260	**NS**	0.088 U	0.088 U	0.15 U	0.81	0.15 U	0.15 U
Total PCBs	**0.09**	ND	ND	ND	**0.81**	ND	ND

Client ID	NYSDEC	MW-37 Cont.		MW-37R			
Lab Sample ID	Class GA	220-9165-6	220-9958-7	220-16768-15	460-36333-3	460-38706-4	460-42028-4
Date Sampled	Water Quality	5/27/2009	8/25/2009	10/20/2011	1/31/2012	4/4/2012	7/3/2012
Dilution	Standards	1	1	1	1	1	1
Parameter (µg/L)							
Aroclor 1016-Dissolved	**NS**	0.055 U	0.052 U	0.13 U	0.14 U	0.13 U	0.13 U *
Aroclor 1221-Dissolved	**NS**	0.055 U	0.052 U	0.28 U	0.29 U	0.29 U	0.28 U
Aroclor 1232-Dissolved	**NS**	0.055 U	0.052 U	0.12 U	0.13 U	0.24 U	0.12 U
Aroclor 1242-Dissolved	**NS**	0.055 U	0.052 U	0.12 U	0.13 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	**NS**	0.055 U	0.052 U	0.24 U	0.25 U	0.17 U	0.24 U
Aroclor 1254-Dissolved	**NS**	0.090 U	0.085 U	0.17 U	0.18 U	0.12 U	0.17 U
Aroclor 1260-Dissolved	**NS**	0.090 U	0.085 U	0.34 J	0.99	0.15 U	0.15 U
Total Dissolved PCBs	**0.09**	ND	ND	**0.34**	**0.99**	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-38									
Lab Sample ID	Class GA	213893-011	214586-008	220-1399-1	220-2239-11	220-3079-3	220-4147-6	922026	220-6194-2	220-7297-3	220-8234-1
Date Sampled	Water Quality	10/10/2006	1/18/2007	4/18/2007	7/25/2007	10/15/2007	2/13/2008	5/21/2008	8/12/2008	11/20/2008	3/3/2009
Dilution	Standards	1	1	1	2	1	1	1	1	1	1
Parameter (µg/L)											
Aroclor 1016	**NS**	0.057 U	0.061 U	0.057 U	0.12 U	0.072 U	0.082 U	0.51 U	0.085 U	0.088 U	0.055 U
Aroclor 1221	**NS**	0.11 U	0.11 U	0.11 U	0.22 U	0.23 U	0.26 U	0.51 U	0.36 U	0.38 U	0.055 U
Aroclor 1232	**NS**	0.081 U	0.087 U	0.081 U	0.17 U	0.11 U	0.12 U	0.51 U	0.085 U	0.088 U	0.055 U
Aroclor 1242	**NS**	0.072 U	0.077 U	0.072 U	0.15 U	0.11 U	0.13 U	0.51 U	0.085 U	0.088 U	0.055 U
Aroclor 1248	**NS**	0.06 U	0.065 U	0.06 U	0.13 U	0.15 U	0.17 U	0.51 U	0.085 U	0.088 U	0.055 U
Aroclor 1254	**NS**	0.094 U	0.1 U	0.094 U	0.2 U	0.037 U	0.042 U	0.51 U	0.051 U	0.053 U	0.09 U
Aroclor 1260	**NS**	0.082 U	0.19 JM	0.082 U	0.083 JM	0.064 U	0.16 JM	0.51 U	0.053 U	0.055 U	0.09 U
Total PCBs	**0.09**	ND	**0.19**	ND	0.083	ND	**0.16**	ND	ND	ND	ND

Client ID	NYSDEC	MW-38									
Lab Sample ID	Class GA	213893-011	214586-008	220-1399-2	220-2239-24	220-3079-3	220-4147-12	922028	220-6194-7	220-7297-11	220-8234-6
Date Sampled	Water Quality	10/10/2006	1/18/2007	4/18/2007	7/25/2007	10/15/2007	2/13/2008	5/21/2008	8/12/2008	11/20/2008	3/3/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)											
Aroclor 1016-Dissolved	**NS**	0.057 U	0.057 U	0.057 U	0.067 U	0.077 U	0.078 U	0.56 U	0.088 U	0.084 U	0.05 U
Aroclor 1221-Dissolved	**NS**	0.11 U	0.11 U	0.11 U	0.12 U	0.25 U	0.25 U	0.56 U	0.38 U	0.36 U	0.05 U
Aroclor 1232-Dissolved	**NS**	0.081 U	0.081 U	0.081 U	0.095 U	0.11 U	0.12 U	0.56 U	0.088 U	0.084 U	0.05 U
Aroclor 1242-Dissolved	**NS**	0.072 U	0.072 U	0.072 U	0.085 U	0.12 U	0.12 U	0.56 U	0.088 U	0.084 U	0.05 U
Aroclor 1248-Dissolved	**NS**	0.06 U	0.06 U	0.06 U	0.071 U	0.16 U	0.16 U	0.56 U	0.088 U	0.084 U	0.05 U
Aroclor 1254-Dissolved	**NS**	0.094 U	0.094 U	0.094 U	0.11 U	0.04 U	0.04 U	0.56 U	0.053 U	0.051 U	0.082 U
Aroclor 1260-Dissolved	**NS**	0.082 U	0.085 JM	0.082 U	0.028 U	0.069 U	0.07 U	0.56 U	0.055 U	0.053 U	0.082 U
Total Dissolved PCBs	**0.09**	ND	0.085	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-38 Cont.		MW-38R			
Lab Sample ID	Class GA	220-9165-3	220-9958-5	220-16768-4	460-36282-2	460-38706-3	460-42028-3
Date Sampled	Water Quality	5/26/2009	8/25/2009	10/20/2011	1/30/2012	4/4/2012	7/3/2012
Dilution	Standards	1	1	1	1	1	1
Parameter (µg/L)							
Aroclor 1016	**NS**	0.054 U	0.050 U	0.13 U	0.13 U	0.13 U	0.13 U *
Aroclor 1221	**NS**	0.054 U	0.050 U	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor 1232	**NS**	0.054 U	0.050 U	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242	**NS**	0.054 U	0.050 U	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248	**NS**	0.054 U	0.050 U	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254	**NS**	0.089 U	0.082 U	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260	**NS**	0.089 U	0.082 U	1.5	0.15 U	0.15 U	0.15 U
Total PCBs	**0.09**	ND	ND	**1.5**	ND	ND	ND

Client ID	NYSDEC	MW-38 Cont.		MW-38R			
Lab Sample ID	Class GA	220-9165-3	220-9958-5	220-16768-4	460-36282-2	460-38706-3	460-42028-3
Date Sampled	Water Quality	5/26/2009	8/25/2009	10/20/2011	1/30/2012	4/4/2012	7/3/2012
Dilution	Standards	1	1	1	1	1	1
Parameter (µg/L)							
Aroclor 1016-Dissolved	**NS**	0.054 U	0.054 U	0.13 U	0.13 U	0.13 U	0.13 U *
Aroclor 1221-Dissolved	**NS**	0.054 U	0.054 U	0.29 U	0.28 U	0.29 U	0.28 U
Aroclor 1232-Dissolved	**NS**	0.054 U	0.054 U	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242-Dissolved	**NS**	0.054 U	0.054 U	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	**NS**	0.054 U	0.054 U	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254-Dissolved	**NS**	0.089 U	0.088 U	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260-Dissolved	**NS**	0.089 U	0.088 U	0.15 U	0.15 U	0.15 U	0.15 U
Total Dissolved PCBs	**0.09**	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-39								
Lab Sample ID	Class GA	213893-010	214586-007	220-1357-3	220-3079-2	220-4147-5	922025	220-6194-3	220-7297-1	220-8221-5
Date Sampled	Water Quality	10/10/2006	1/18/2007	4/19/2007	10/15/2007	2/13/2008	5/21/2008	8/12/2008	11/19/2008	3/2/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1
Parameter (µg/L)										
Aroclor 1016	**NS**	0.057 U	0.057 U	0.057 U	0.074 U	0.08 U	0.5 U	0.075 U	0.083 U	0.05 U
Aroclor 1221	**NS**	0.11 U	0.11 U	0.11 U	0.24 U	0.26 U	0.5 U	0.32 U	0.35 U	0.05 U
Aroclor 1232	**NS**	0.081 U	0.081 U	0.081 U	0.11 U	0.12 U	0.5 U	0.075 U	0.083 U	0.05 U
Aroclor 1242	**NS**	0.072 U	0.072 U	0.072 U	0.12 U	0.13 U	0.5 U	0.075 U	0.083 U	0.05 U
Aroclor 1248	**NS**	0.06 U	0.06 U	0.06 U	0.15 U	0.16 U	0.5 U	0.075 U	0.083 U	0.05 U
Aroclor 1254	**NS**	0.094 U	0.094 U	0.094 U	0.038 U	0.041 U	0.5 U	0.045 U	0.050 U	0.082 U
Aroclor 1260	**NS**	0.082 U	0.52 M	0.14 JM	0.066 U	0.071 U	0.5 U	0.047 U	0.052 U	0.082 U
Total PCBs	**0.09**	ND	**0.52**	**0.14**	ND	ND	ND	ND	ND	ND

Client ID	NYSDEC	MW-39								
Lab Sample ID	Class GA	213893-010	214586-007	220-1357-2	220-3079-2	220-4147-11	922027	220-6194-8	220-7297-10	220-8221-6
Date Sampled	Water Quality	10/10/2006	1/18/2007	4/13/2007	10/15/2007	2/13/2008	5/21/2008	8/12/2008	11/19/2008	3/2/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1
Parameter (µg/L)										
Aroclor 1016-Dissolved	**NS**	0.063 U	0.057 U	0.057 U	0.077 U	0.08 U	0.52 U	0.075 U	0.082 U	0.05 U
Aroclor 1221-Dissolved	**NS**	0.12 U	0.11 U	0.11 U	0.25 U	0.26 U	0.52 U	0.32 U	0.35 U	0.05 U
Aroclor 1232-Dissolved	**NS**	0.089 U	0.081 U	0.081 U	0.11 U	0.12 U	0.52 U	0.075 U	0.082 U	0.05 U
Aroclor 1242-Dissolved	**NS**	0.079 U	0.072 U	0.072 U	0.12 U	0.13 U	0.52 U	0.075 U	0.082 U	0.05 U
Aroclor 1248-Dissolved	**NS**	0.066 U	0.06 U	0.06 U	0.16 U	0.16 U	0.52 U	0.075 U	0.082 U	0.05 U
Aroclor 1254-Dissolved	**NS**	0.1 U	0.094 U	0.094 U	0.04 U	0.041 U	0.52 U	0.045 U	0.049 U	0.082 U
Aroclor 1260-Dissolved	**NS**	0.09 U	0.097 JM	0.082 U	0.069 U	0.071 U	0.52 U	0.047 U	0.051 U	0.082 U
Total Dissolved PCBs	**0.09**	ND	**0.097**	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-39R			
Lab Sample ID	Class GA	220-16768-16	460-36333-2	460-38706-5	460-42028-2
Date Sampled	Water Quality	10/21/2011	1/31/2012	4/4/2012	7/3/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016	NS	0.13 U	0.13 U	0.13 U	0.13 U *
Aroclor 1221	NS	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor 1232	NS	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242	NS	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248	NS	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254	NS	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260	NS	0.15 U	0.15 U	0.15 U	0.15 U
Total PCBs	0.09	ND	ND	ND	ND

Client ID	NYSDEC	MW-39R			
Lab Sample ID	Class GA	220-16768-16	460-36333-2	460-38706-5	460-42028-2
Date Sampled	Water Quality	10/21/2011	1/31/2012	4/4/2012	7/3/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016-Dissolved	NS	0.13 U	0.14 U	0.13 U	0.13 U *
Aroclor 1221-Dissolved	NS	0.28 U	0.3 U	0.29 U	0.28 U
Aroclor 1232-Dissolved	NS	0.12 U	0.13 U	0.24 U	0.12 U
Aroclor 1242-Dissolved	NS	0.12 U	0.13 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	NS	0.24 U	0.26 U	0.17 U	0.24 U
Aroclor 1254-Dissolved	NS	0.17 U	0.18 U	0.12 U	0.17 U
Aroclor 1260-Dissolved	NS	0.15 U	0.16 U	0.15 U	0.15 U
Total Dissolved PCBs	0.09	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-40							MW-40R		
Lab Sample ID	Class GA	213893-004	214586-003	220-1379-1	220-2239-9	220-3079-1	220-4147-4	220-6194-4	220-8213-1	220-9165-5	220-9958-4
Date Sampled	Water Quality	10/5/2006	1/16/2007	4/18/2007	7/25/2007	10/15/2007	2/13/2008	8/12/2008	2/26/2009	5/27/2009	8/25/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)											
Aroclor 1016	**NS**	0.063 U	0.073 U	0.057 U	0.061 U	0.079 U	0.08 U	0.075 U	0.056 U	0.054 U	0.054 U
Aroclor 1221	**NS**	0.12 U	0.14 U	0.11 U	0.11 U	0.25 U	0.26 U	0.32 U	0.056 U	0.054 U	0.054 U
Aroclor 1232	**NS**	0.089 U	0.1 U	0.081 U	0.086 U	0.12 U	0.12 U	0.075 U	0.056 U	0.054 U	0.054 U
Aroclor 1242	**NS**	0.079 U	0.092 U	0.072 U	0.077 U	0.13 U	0.13 U	0.075 U	0.056 U	0.054 U	0.054 U
Aroclor 1248	**NS**	0.066 U	0.077 U	0.06 U	0.064 U	0.16 U	0.16 U	0.075 U	0.056 U	0.054 U	0.054 U
Aroclor 1254	**NS**	0.1 U	0.12 U	0.094 U	0.1 U	0.041 U	0.3 JM	0.045 U	0.091 U	0.089 U	0.088 U
Aroclor 1260	**NS**	0.09 U	0.38 JM	0.13 JM	0.062 JM	0.07 U	0.29 JM	0.047 U	0.091 U	0.089 U	0.088 U
Total PCBs	**0.09**	ND	**0.38**	**0.13**	0.062	ND	**0.59**	ND	ND	ND	ND

Client ID	NYSDEC	MW-40							MW-40R		
Lab Sample ID	Class GA	213893-004	214586-003	220-1379-2	220-2239-22	220-3079-1	220-4147-10	220-6194-9	220-8213-2	220-9165-5	220-9958-4
Date Sampled	Water Quality	10/5/2006	1/16/2007	4/18/2007	7/25/2007	10/15/2007	2/13/2008	8/12/2008	2/26/2009	5/27/2009	8/25/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)											
Aroclor 1016-Dissolved	**NS**	0.063 U	0.072 U	0.057 U	0.057 U	0.081 U	0.082 U	0.082 U	0.050 U	0.056 U	0.054 U
Aroclor 1221-Dissolved	**NS**	0.12 U	0.13 U	0.11 U	0.11 U	0.26 U	0.26 U	0.35 U	0.050 U	0.056 U	0.054 U
Aroclor 1232-Dissolved	**NS**	0.089 U	0.1 U	0.081 U	0.081 U	0.12 U	0.12 U	0.082 U	0.050 U	0.056 U	0.054 U
Aroclor 1242-Dissolved	**NS**	0.079 U	0.091 U	0.072 U	0.072 U	0.13 U	0.13 U	0.082 U	0.050 U	0.056 U	0.054 U
Aroclor 1248-Dissolved	**NS**	0.066 U	0.076 U	0.06 U	0.06 U	0.16 U	0.17 U	0.082 U	0.050 U	0.056 U	0.054 U
Aroclor 1254-Dissolved	**NS**	0.1 U	0.12 U	0.094 U	0.094 U	0.042 U	0.042 U	0.049 U	0.082 U	0.092 U	0.088 U
Aroclor 1260-Dissolved	**NS**	0.09 U	0.1 U	0.082 U	0.024 U	0.072 U	0.073 U	0.051 U	0.082 U	0.092 U	0.088 U
Total Dissolved PCBs	**0.09**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-40R2			
Lab Sample ID	Class GA	220-16768-3	460-36282-4	460-38706-2	460-42028-1
Date Sampled	Water Quality	10/20/2011	1/30/2012	4/4/2012	7/2/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016	NS	0.13 U	0.13 U	0.13 U	0.13 U *
Aroclor 1221	NS	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor 1232	NS	0.12 U	0.12 U	0.24 U	0.12 U
Aroclor 1242	NS	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248	NS	0.24 U	0.24 U	0.17 U	0.24 U
Aroclor 1254	NS	0.17 U	0.17 U	0.12 U	0.17 U
Aroclor 1260	NS	0.15 U	0.15 U	0.15 U	0.15 U
Total PCBs	0.09	ND	ND	ND	ND

Client ID	NYSDEC	MW-40R2			
Lab Sample ID	Class GA	220-16768-3	460-36282-4	460-38706-2	460-42028-1
Date Sampled	Water Quality	10/20/2011	1/30/2012	4/4/2012	7/2/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016-Dissolved	NS	0.13 U	0.13 U	0.14 U	0.13 U *
Aroclor 1221-Dissolved	NS	0.29 U	0.28 U	0.31 U	0.28 U
Aroclor 1232-Dissolved	NS	0.12 U	0.12 U	0.27 U	0.12 U
Aroclor 1242-Dissolved	NS	0.12 U	0.12 U	0.13 U	0.12 U
Aroclor 1248-Dissolved	NS	0.24 U	0.24 U	0.19 U	0.24 U
Aroclor 1254-Dissolved	NS	0.17 U	0.17 U	0.13 U	0.17 U
Aroclor 1260-Dissolved	NS	0.15 U	0.15 U	0.17 U	0.15 U
Total Dissolved PCBs	0.09	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-41			MW-41R		MW-41R2					
Lab Sample ID	Class GA	213893-005	214586-005	220-1328-2	220-3097-3	220-4147-3	921701	220-6176-3	220-7278-3	220-8221-3	220-9165-4	220-9958-3
Date Sampled	Water Quality	10/5/2006	1/16/2007	4/10/2007	10/16/2007	2/13/2008	5/20/2008	8/11/2008	11/19/2008	3/2/2009	5/27/2009	8/24/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)												
Aroclor 1016	**NS**	0.057 U	0.057 U	0.057 U	0.08 U	0.08 U	0.52 U	0.082 U	0.088 U	0.052 U	0.054 U	0.055 U
Aroclor 1221	**NS**	0.11 U	0.11 U	0.11 U	0.26 U	0.26 U	0.52 U	0.35 U	0.38 U	0.052 U	0.054 U	0.055 U
Aroclor 1232	**NS**	0.081 U	0.081 U	0.081 U	0.12 U	0.12 U	0.52 U	0.082 U	0.088 U	0.052 U	0.054 U	0.055 U
Aroclor 1242	**NS**	0.072 U	0.072 U	0.072 U	0.13 U	0.13 U	0.52 U	0.082 U	0.088 U	0.052 U	0.054 U	0.055 U
Aroclor 1248	**NS**	0.06 U	0.06 U	0.06 U	0.16 U	0.16 U	0.52 U	0.082 U	0.088 U	0.052 U	0.054 U	0.055 U
Aroclor 1254	**NS**	0.094 U	0.094 U	0.094 U	0.041 U	0.041 U	0.52 U	0.049 U	0.053 U	0.085 U	0.089 U	0.09 U
Aroclor 1260	**NS**	0.082 U	0.1 JM	0.082 U	0.071 U	0.071 U	0.52 U	0.052 U	0.055 U	0.085 U	0.089 U	0.09 U
Total PCBs	**0.09**	ND	**0.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND

Client ID	NYSDEC	MW-41			MW-41R		MW-41R2					
Lab Sample ID	Class GA	213893-005	214586-005	220-1328-4	220-3097-3	220-4147-9	922024	220-6176-7	220-7278-8	220-8221-4	220-9165-4	220-9958-3
Date Sampled	Water Quality	10/5/2006	1/16/2007	4/10/2007	10/16/2007	2/13/2008	5/20/2008	8/11/2008	11/19/2008	3/2/2009	5/27/2009	8/24/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)												
Aroclor 1016-Dissolved	**NS**	0.063 U	0.057 U	0.057 U	0.08 U	0.078 U	0.52 U	0.085 U	0.087 U	0.053 U	0.054 U	0.052 U
Aroclor 1221-Dissolved	**NS**	0.12 U	0.11 U	0.11 U	0.26 U	0.25 U	0.52 U	0.36 U	0.37 U	0.053 U	0.054 U	0.052 U
Aroclor 1232-Dissolved	**NS**	0.09 U	0.081 U	0.081 U	0.12 U	0.12 U	0.52 U	0.085 U	0.087 U	0.053 U	0.054 U	0.052 U
Aroclor 1242-Dissolved	**NS**	0.08 U	0.072 U	0.072 U	0.13 U	0.12 U	0.52 U	0.085 U	0.087 U	0.053 U	0.054 U	0.052 U
Aroclor 1248-Dissolved	**NS**	0.067 U	0.06 U	0.06 U	0.16 U	0.16 U	0.52 U	0.085 U	0.087 U	0.053 U	0.054 U	0.052 U
Aroclor 1254-Dissolved	**NS**	0.1 U	0.094 U	0.094 U	0.041 U	0.04 U	0.52 U	0.051 U	0.052 U	0.086 U	0.089 U	0.085 U
Aroclor 1260-Dissolved	**NS**	0.091 U	0.13 JM	0.082 U	0.071 U	0.07 U	0.52 U	0.053 U	0.055 U	0.086 U	0.089 U	0.085 U
Total Dissolved PCBs	**0.09**	ND	**0.13**	ND	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-41R2 Cont.			MW-41R3
Lab Sample ID	Class GA	220-16768-12	460-36282-1	460-42021-3	460-38706-1
Date Sampled	Water Quality	10/20/2011	1/30/2012	7/2/2012	4/4/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016	NS	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor 1221	NS	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor 1232	NS	0.12 U	0.12 U	0.12 U	0.24 U
Aroclor 1242	NS	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor 1248	NS	0.24 U	0.24 U	0.24 U	0.17 U
Aroclor 1254	NS	0.17 U	0.17 U	0.17 U	0.12 U
Aroclor 1260	NS	0.15 U	0.15 U	0.15 U *	0.15 U
Total PCBs	0.09	ND	ND	ND	ND

Client ID	NYSDEC	MW-41R2 Cont.			MW-41R3
Lab Sample ID	Class GA	220-16768-12	460-36282-1	460-42021-3	460-38706-1
Date Sampled	Water Quality	10/20/2011	1/30/2012	7/2/2012	4/4/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016-Dissolved	NS	0.14 U	0.13 U	0.13 U *	0.14 U
Aroclor 1221-Dissolved	NS	0.30 U	0.28 U	0.28 U	0.3 U
Aroclor 1232-Dissolved	NS	0.13 U	0.12 U	0.12 U	0.26 U
Aroclor 1242-Dissolved	NS	0.13 U	0.12 U	0.12 U	0.13 U
Aroclor 1248-Dissolved	NS	0.26 U	0.24 U	0.24 U	0.18 U
Aroclor 1254-Dissolved	NS	0.18 U	0.17 U	0.17 U	0.13 U
Aroclor 1260-Dissolved	NS	0.16 U	0.15 U	0.15 U	0.16 U
Total Dissolved PCBs	0.09	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-42					MW-42R				
Lab Sample ID	Class GA	213893-002	214586-002	220-1328-1	220-2239-7	220-3097-1	220-4147-2	921700	220-6176-2	220-7278-2	220-8221-1
Date Sampled	Water Quality	10/4/2006	1/16/2007	4/9/2007	7/25/2007	10/16/2007	2/13/2008	5/20/2008	8/11/2008	11/19/2008	2/27/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	
Parameter (µg/L)											
Aroclor 1016	**NS**	0.057 U	0.057 U	0.057 U	0.065 U	0.081 U	0.075 U	0.56 U	0.075 U	0.080 U	0.055 U
Aroclor 1221	**NS**	0.11 U	0.11 U	0.11 U	0.12 U	0.26 U	0.24 U	0.56 U	0.32 U	0.34 U	0.055 U
Aroclor 1232	**NS**	0.081 U	0.081 U	0.081 U	0.092 U	0.12 U	0.11 U	0.56 U	0.075 U	0.080 U	0.055 U
Aroclor 1242	**NS**	0.072 U	0.072 U	0.072 U	0.082 U	0.13 U	0.12 U	0.56 U	0.075 U	0.080 U	0.055 U
Aroclor 1248	**NS**	0.06 U	0.06 U	0.06 U	0.068 U	0.16 U	0.15 U	0.56 U	0.075 U	0.080 U	0.055 U
Aroclor 1254	**NS**	0.094 U	0.094 U	0.094 U	0.11 U	0.042 U	0.039 U	0.56 U	0.045 U	0.048 U	0.09 U
Aroclor 1260	**NS**	0.082 U	0.082 U	0.082 U	0.027 U	0.072 U	0.067 U	0.56 U	0.047 U	0.050 U	0.09 U
Total PCBs	**0.09**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Client ID	NYSDEC	MW-42					MW-42R				
Lab Sample ID	Class GA	213893-002	214586-002	220-1328-3	220-2239-20	220-3097-1	220-4147-8	922023	220-6176-6	220-7278-7	220-8221-2
Date Sampled	Water Quality	10/4/2006	1/16/2007	4/9/2007	7/25/2007	10/16/2007	2/13/2008	5/20/2008	8/11/2008	11/19/2008	2/27/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)											
Aroclor 1016-Dissolved	**NS**	0.062 U	0.057 U	0.057 U	0.057 U	0.072 U	0.082 U	0.53 U	0.082 U	0.082 U	0.05 U
Aroclor 1221-Dissolved	**NS**	0.12 U	0.11 U	0.11 U	0.11 U	0.23 U	0.26 U	0.53 U	0.35 U	0.35 U	0.05 U
Aroclor 1232-Dissolved	**NS**	0.088 U	0.081 U	0.081 U	0.081 U	0.11 U	0.12 U	0.53 U	0.082 U	0.082 U	0.05 U
Aroclor 1242-Dissolved	**NS**	0.078 U	0.072 U	0.072 U	0.072 U	0.11 U	0.13 U	0.53 U	0.082 U	0.082 U	0.05 U
Aroclor 1248-Dissolved	**NS**	0.065 U	0.06 U	0.06 U	0.06 U	0.15 U	0.17 U	0.53 U	0.082 U	0.082 U	0.05 U
Aroclor 1254-Dissolved	**NS**	0.1 U	0.094 U	0.094 U	0.094 U	0.037 U	0.042 U	0.53 U	0.049 U	0.049 U	0.082 U
Aroclor 1260-Dissolved	**NS**	0.089 U	0.082 U	0.082 U	0.024 U	0.064 U	0.073 U	0.53 U	0.052 U	0.051 U	0.082 U
Total Dissolved PCBs	**0.09**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-42R Cont.		MW-42R Cont.		MW-42R2	
Lab Sample ID	Class GA	220-9165-2	220-9958-2	460-32773-2	460-36333-1	460-38654-2	460-42021-2
Date Sampled	Water Quality	5/26/2009	8/24/2009	10/24/2011	1/31/2012	4/3/2012	7/2/2012
Dilution	Standards	1	1	1	1	1	1
Parameter (µg/L)							
Aroclor 1016	**NS**	0.050 U	0.05 U	0.13 U *	0.13 U	0.15 U	0.13 U
Aroclor 1221	**NS**	0.050 U	0.05 U	0.28 U	0.28 U	0.33 U	0.28 U
Aroclor 1232	**NS**	0.050 U	0.05 U	0.12 U	0.12 U	0.14 U	0.12 U
Aroclor 1242	**NS**	0.050 U	0.05 U	0.12 U	0.12 U	0.14 U	0.12 U
Aroclor 1248	**NS**	0.050 U	0.05 U	0.24 U	0.24 U	0.28 U	0.24 U
Aroclor 1254	**NS**	0.082 U	0.082 U	0.17 U	0.17 U	0.2 U	0.17 U
Aroclor 1260	**NS**	0.082 U	0.082 U	0.15 U *	0.15 U	0.18 U	0.15 U *
Total PCBs	**0.09**	ND	ND	ND	ND	ND	ND

Client ID	NYSDEC	MW-42R Cont.		MW-42R Cont.		MW-42R2	
Lab Sample ID	Class GA	220-9165-2	220-9958-2	460-32773-2	460-36333-1	460-38654-2	460-42021-2
Date Sampled	Water Quality	5/26/2009	8/24/2009	10/24/2011	1/31/2012	4/3/2012	7/2/2012
Dilution	Standards	1	1	1	1	1	1
Parameter (µg/L)							
Aroclor 1016-Dissolved	**NS**	0.053 U	0.05 U	0.13 U	0.14 U	0.13 U	0.13 U *
Aroclor 1221-Dissolved	**NS**	0.053 U	0.05 U	0.28 U	0.3 U	0.28 U	0.28 U
Aroclor 1232-Dissolved	**NS**	0.053 U	0.05 U	0.12 U	0.13 U	0.12 U	0.12 U
Aroclor 1242-Dissolved	**NS**	0.053 U	0.05 U	0.12 U	0.13 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	**NS**	0.053 U	0.05 U	0.24 U	0.26 U	0.24 U	0.24 U
Aroclor 1254-Dissolved	**NS**	0.086 U	0.082 U	0.17 U	0.18 U	0.17 U	0.17 U
Aroclor 1260-Dissolved	**NS**	0.086 U	0.082 U	0.15 U	0.16 U	0.15 U	0.15 U
Total Dissolved PCBs	**0.09**	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-43				MW-43R		MW-43R2		MW-43R3		
Lab Sample ID	Class GA	213893-001	214586-001	220-1368-1	220-2239-8	220-4147-1	921286	220-6176-1	220-7278-1	220-8213-3	220-9165-1	220-9958-1
Date Sampled	Water Quality	10/4/2006	1/16/2007	4/17/2007	7/25/2007	2/13/2008	5/19/2008	8/11/2008	11/19/2008	2/27/2009	5/26/2009	8/24/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)												
Aroclor 1016	**NS**	0.06 U	0.061 U	0.057 U	0.057 U	0.078 U	0.52 U	0.084 U	0.089 U	0.050 U	0.050 U	0.053 U
Aroclor 1221	**NS**	0.11 U	0.11 U	0.11 U	0.11 U	0.25 U	0.52 U	0.36 U	0.38 U	0.050 U	0.050 U	0.053 U
Aroclor 1232	**NS**	0.085 U	0.086 U	0.081 U	0.081 U	0.12 U	0.52 U	0.084 U	0.089 U	0.050 U	0.050 U	0.053 U
Aroclor 1242	**NS**	0.076 U	0.077 U	0.072 U	0.072 U	0.12 U	0.52 U	0.084 U	0.089 U	0.050 U	0.050 U	0.053 U
Aroclor 1248	**NS**	0.063 U	0.064 U	0.06 U	0.06 U	0.16 U	0.52 U	0.084 U	0.089 U	0.050 U	0.050 U	0.053 U
Aroclor 1254	**NS**	0.099 U	0.1 U	0.22 JM	0.094 U	0.04 U	0.52 U	0.051 U	0.054 U	0.082 U	0.082 U	0.087 U
Aroclor 1260	**NS**	0.086 U	0.098 JM	0.18 JM	0.45 JM	0.07 U	0.52 U	0.053 U	0.056 U	0.082 U	0.082 U	0.087 U
Total PCBs	**0.09**	ND	**0.098**	**0.4**	**0.45**	ND	ND	ND	ND	ND	ND	ND

Client ID	NYSDEC	MW-43				MW-43R		MW-43R2		MW-43R3		
Lab Sample ID	Class GA	213893-001	214586-001	220-1368-2	220-2239-21	220-4147-7	921287	220-6176-5	220-7278-6	220-8213-4	220-9165-1	220-9958-1
Date Sampled	Water Quality	10/4/2006	1/16/2007	4/17/2007	7/25/2007	2/13/2008	5/19/2008	8/11/2008	11/19/2008	2/27/2009	5/26/2009	8/24/2009
Dilution	Standards	1	1	1	1	1	1	1	1	1	1	1
Parameter (µg/L)												
Aroclor 1016-Dissolved	**NS**	0.061 U	0.063 U	0.057 UH	0.057 U	0.076 U	0.56 U	0.083 U	0.089 U	0.053 U	0.050 U	0.059 U
Aroclor 1221-Dissolved	**NS**	0.11 U	0.12 U	0.11 UH	0.11 U	0.24 U	0.56 U	0.35 U	0.38 U	0.053 U	0.050 U	0.059 U
Aroclor 1232-Dissolved	**NS**	0.086 U	0.09 U	0.081 UH	0.081 U	0.11 U	0.56 U	0.083 U	0.089 U	0.053 U	0.050 U	0.059 U
Aroclor 1242-Dissolved	**NS**	0.077 U	0.08 U	0.072 UH	0.072 U	0.12 U	0.56 U	0.083 U	0.089 U	0.053 U	0.050 U	0.059 U
Aroclor 1248-Dissolved	**NS**	0.064 U	0.067 U	0.11 JMH	0.06 U	0.15 U	0.56 U	0.083 U	0.089 U	0.053 U	0.050 U	0.059 U
Aroclor 1254-Dissolved	**NS**	0.1 U	0.1 U	0.094 UH	0.094 U	0.039 U	0.56 U	0.05 U	0.054 U	0.086 U	0.082 U	0.096 U
Aroclor 1260-Dissolved	**NS**	0.11 JM	0.091 U	0.21 JMH	0.024 U	0.067 U	0.56 U	0.052 U	0.056 U	0.086 U	0.082 U	0.096 U
Total Dissolved PCBs	**0.09**	0.11	ND	**0.32**	ND	ND	ND	ND	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	MW-43R3 Cont.			
Lab Sample ID	Class GA	220-16768-1	460-36282-3	460-38654-1	460-42021-1
Date Sampled	Water Quality	10/20/2011	1/30/2012	4/3/2012	7/2/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016	**NS**	0.13 U	0.13 U	0.15 U	0.13 U
Aroclor 1221	**NS**	0.28 U	0.28 U	0.32 U	0.28 U
Aroclor 1232	**NS**	0.12 U	0.12 U	0.14 U	0.12 U
Aroclor 1242	**NS**	0.12 U	0.12 U	0.14 U	0.12 U
Aroclor 1248	**NS**	0.24 U	0.24 U	0.27 U	0.24 U
Aroclor 1254	**NS**	0.17 U	0.17 U	0.19 U	0.17 U
Aroclor 1260	**NS**	0.15 U	0.15 U	0.17 U	0.15 U *
Total PCBs	**0.09**	ND	ND	ND	ND

Client ID	NYSDEC	MW-43R3 Cont.			
Lab Sample ID	Class GA	220-16768-1	460-36282-3	460-38654-1	460-42021-1
Date Sampled	Water Quality	10/20/2011	1/30/2012	4/3/2012	7/2/2012
Dilution	Standards	1	1	1	1
Parameter (µg/L)					
Aroclor 1016-Dissolved	**NS**	0.14 U	0.13 U	0.13 U	0.13 U *
Aroclor 1221-Dissolved	**NS**	0.30 U	0.28 U	0.28 U	0.28 U
Aroclor 1232-Dissolved	**NS**	0.13 U	0.12 U	0.12 U	0.12 U
Aroclor 1242-Dissolved	**NS**	0.13 U	0.12 U	0.12 U	0.12 U
Aroclor 1248-Dissolved	**NS**	0.26 U	0.24 U	0.24 U	0.24 U
Aroclor 1254-Dissolved	**NS**	0.18 U	0.17 U	0.17 U	0.17 U
Aroclor 1260-Dissolved	**NS**	0.16 U	0.15 U	0.15 U	0.15 U
Total Dissolved PCBs	**0.09**	ND	ND	ND	ND

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID Lab Sample ID Date Sampled Dilution Parameter (µg/L)	NYSDEC Class GA Water Quality Standards	EB-50 213893-009 10/6/2006 1	ED-51 214586-016 1/22/2007 1	EB-53 220-2239-12 7/25/2007 1	EB-54 220-3135-4 10/18/2007 1	EB-55 220-4162-7 2/14/2008 1	EB-56 922744 5/23/2008 1	EB-57 220-6223-4 8/14/2008 1	EB-58 220-8277-3 3/5/2009 1	EB-59 220-9190-3 5/29/2009 1	EB-60 220-9971-1 8/26/2009 1
Aroclor 1016	**NS**	0.065 U	0.057 U	0.062 U	0.079 U	0.079 U	0.54 U	0.082 U	0.05 U	0.054 U	0.056 U
Aroclor 1221	**NS**	0.12 U	0.11 U	0.12 U	0.25 U	0.25 U	0.54 U	0.35 U	0.05 U	0.054 U	0.056 U
Aroclor 1232	**NS**	0.092 U	0.081 U	0.088 U	0.12 U	0.12 U	0.54 U	0.082 U	0.05 U	0.054 U	0.056 U
Aroclor 1242	**NS**	0.082 U	0.072 U	0.078 U	0.13 U	0.13 U	0.54 U	0.082 U	0.05 U	0.054 U	0.056 U
Aroclor 1248	**NS**	0.068 U	0.06 U	0.065 U	0.16 U	0.16 U	0.54 U	0.082 U	0.05 U	0.054 U	0.056 U
Aroclor 1254	**NS**	0.11 U	0.094 U	0.1 U	0.041 U	0.041 U	0.54 U	0.049 U	0.082 U	0.088 U	0.091 U
Aroclor 1260	**NS**	0.093 U	0.082 U	0.026 U	0.07 U	0.07 U	0.54 U	0.052 U	0.082 U	0.088 U	0.091 U
Total PCBs	**0.09**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Client ID Lab Sample ID Date Sampled Dilution Parameter (µg/L)	NYSDEC Class GA Water Quality Standards	EB-50 213893-009	ED-51 214586-016	EB-53 220-2239-12	EB-54 220-3135-4	EB-55 220-4162-7	EB-56 922744	EB-57 220-6223-4	EB-58 220-8277-3	EB-59 220-9190-3	EB-60 220-9971-1
Aroclor 1016-Dissolved	**NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221-Dissolved	**NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232-Dissolved	**NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242-Dissolved	**NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248-Dissolved	**NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254-Dissolved	**NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260-Dissolved	**NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved PCBs	**0.09**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 2

Historical Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID Lab Sample ID Date Sampled Dilution Parameter (µg/L)	NYSDEC Class GA Water Quality Standards	EB-61 220-16775-4 10/25/2011 1	EB-62 460-36282-12 2/2/2012 1	EB-63 460-38848-5 4/6/2012 1	CE-EB-64 460-42091-11 7/6/2012 1	FIELD BLANK 220-1449-15 4/26/2007 1	Equipment Blank 220-7278-4 11/19/2008 1
Aroclor 1016	**NS**	0.13 U	0.13 U	0.13 U	0.13 U	0.057 U	0.081 U
Aroclor 1221	**NS**	0.28 U	0.28 U	0.28 U	0.28 U	0.11 U	0.34 U
Aroclor 1232	**NS**	0.12 U	0.12 U	0.24 U	0.12 U	0.081 U	0.081 U
Aroclor 1242	**NS**	0.12 U	0.12 U	0.12 U	0.12 U	0.072 U	0.081 U
Aroclor 1248	**NS**	0.24 U	0.24 U	0.17 U	0.24 U	0.06 U	0.081 U
Aroclor 1254	**NS**	0.17 U	0.17 U	0.12 U	0.17 U	0.094 U	0.048 U
Aroclor 1260	**NS**	0.15 U	0.15 U	0.15 U	0.15 U	0.082 UM	0.051 U
Total PCBs	**0.09**	ND	ND	ND	ND	ND	ND

Client ID Lab Sample ID Date Sampled Dilution Parameter (µg/L)	NYSDEC Class GA Water Quality Standards	EB-61 220-16775-4	EB-62 460-36282-12	EB-63 460-38848-5	CE-EB-64 460-42091-11	FIELD BLANK 220-1449-16 4/26/2007 1	Equipment Blank 220-7278-4
Aroclor 1016-Dissolved	**NS**	NA	NA	NA	NA	0.057 U	NA
Aroclor 1221-Dissolved	**NS**	NA	NA	NA	NA	0.11 U	NA
Aroclor 1232-Dissolved	**NS**	NA	NA	NA	NA	0.081 U	NA
Aroclor 1242-Dissolved	**NS**	NA	NA	NA	NA	0.072 U	NA
Aroclor 1248-Dissolved	**NS**	NA	NA	NA	NA	0.06 U	NA
Aroclor 1254-Dissolved	**NS**	NA	NA	NA	NA	0.094 U	NA
Aroclor 1260-Dissolved	**NS**	NA	NA	NA	NA	0.082 U	NA
Total Dissolved PCBs	**0.09**	NA	NA	NA	NA	ND	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-28R5							
Lab Sample ID	Class GA	460-45763-6	460-50440-8	460-54827-16	460-65324-9	460-74555-4	460-84728-7	180-43555-5	180-54318-1
Date Sampled	Ambient	10/11/2012	02/06/2013	04/24/2013	10/22/2013	04/17/2014	10/17/2014	4/28/2015	4/29/2016
Dilution	Standards	1	1	1		5	10	1	1
Polychlorinated Biphenyls - µg/L	µg/L								
PCB-1016	NS	0.0026 U	0.0025 U	0.0024 U	0.0026 U	0.013 U	0.025 U	0.0024 U	0.0039 U
PCB-1221	NS	0.0025 U	0.0025 U	0.0024 U	0.0026 U	0.013 U	0.024 U	0.0039 U	0.0062 U
PCB-1232	NS	0.003 U	0.0029 U	0.0028 U	0.0031 U	0.015 U	0.029 U	0.0038 U	0.0064 U
PCB-1242	NS	0.0019 U	0.0019 U	0.0018 U	0.0019 U	0.0095 U	0.018 U	0.0018 U	0.0035 U
PCB-1248	NS	0.0023 U	0.0023 U	0.0022 U	0.0024 U	0.012 U	0.022 U	0.0026 U	0.0034 U
PCB-1254	NS	0.0023 U	0.0023 U	0.0022 U	0.0024 U	0.012 U	0.022 U	0.0029 U	0.0047 U
PCB-1260	NS	0.0014 U	0.0014 U	0.0013 U	0.0014 U	0.0069 U	0.13	0.25	0.019 p
Total PCBs	0.09	ND	ND	ND	ND	ND	**0.13**	**0.25**	0.019

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA	NA	NA
PCB-1016	NS	0.0026 U	0.0024 U	NA	NA	NA	NA	NA	NA
PCB-1221	NS	0.0025 U	0.0024 U	NA	NA	NA	NA	NA	NA
PCB-1232	NS	0.003 U	0.0028 U	NA	NA	NA	NA	NA	NA
PCB-1242	NS	0.0019 U	0.0018 U	NA	NA	NA	NA	NA	NA
PCB-1248	NS	0.0023 U	0.0022 U	NA	NA	NA	NA	NA	NA
PCB-1254	NS	0.0023 U	0.0022 U	NA	NA	NA	NA	NA	NA
PCB-1260	NS	0.0014 U	0.0013 U	NA	NA	NA	NA	NA	NA
Total Dissolved PCBs	0.09	ND	ND	NA	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-28R5A						
Lab Sample ID	Class GA	460-45763-7	460-50440-9	460-54827-17	460-74555-5	460-84728-9	180-43555-6	180-54318-2
Date Sampled	Ambient	10/11/2012	02/06/2013	04/24/2013	04/17/2014	10/17/2014	4/28/2015	4/29/2016
Dilution	Standards	1	1	1	5	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L							
PCB-1016	NS	0.0024 U	0.0024 U	0.0025 U	0.013 U	0.0025 U	0.0024 U	0.0038 U
PCB-1221	NS	0.0024 U	0.0023 U	0.0025 U	0.013 U	0.0025 U	0.0039 U	0.0060 U
PCB-1232	NS	0.0028 U	0.0028 U	0.0029 U	0.015 U	0.0029 U	0.0037 U	0.0062 U
PCB-1242	NS	0.0018 U	0.0018 U	0.0019 U	0.0095 U	0.0018 U	0.0018 U	0.0035 U
PCB-1248	NS	0.0022 U	0.0021 U	0.0023 U	0.012 U	0.0023 U	0.0025 U	0.0033 U
PCB-1254	NS	0.0022 U	0.0022 U	0.0023 U	0.012 U	0.0023 U	0.0028 U	0.0046 U
PCB-1260	NS	0.0013 U	0.0013 U	0.0014 U	0.0069 U	0.0013 U	0.24	0.011 p
Total PCBs	0.09	ND	ND	ND	ND	ND	**0.24**	0.011

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA	NA
PCB-1016	NS	0.0024 U	0.0024 U	NA	NA	NA	NA	NA
PCB-1221	NS	0.0024 U	0.0023 U	NA	NA	NA	NA	NA
PCB-1232	NS	0.0028 U	0.0028 U	NA	NA	NA	NA	NA
PCB-1242	NS	0.0018 U	0.0018 U	NA	NA	NA	NA	NA
PCB-1248	NS	0.0022 U	0.0021 U	NA	NA	NA	NA	NA
PCB-1254	NS	0.0022 U	0.0022 U	NA	NA	NA	NA	NA
PCB-1260	NS	0.0013 U	0.0013 U	NA	NA	NA	NA	NA
Total Dissolved PCBs	0.09	ND	ND	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-29R5						
Lab Sample ID	Class GA	460-45763-5	460-50440-7	460-54827-15	460-65324-8	460-74555-6	460-84728-4	180-43555-4
Date Sampled	Ambient	10/11/2012	02/06/2013	04/24/2013	10/22/2013	04/17/2014	10/17/2014	4/28/2015
Dilution	Standards	1	1	1	1	5	10	1
Polychlorinated Biphenyls - µg/L	µg/L							
PCB-1016	**NS**	0.0025 U	0.0025 U	0.0024 U	0.0026 U	0.013 U	0.024 U	0.0024 U
PCB-1221	**NS**	0.0025 U	0.0025 U	0.0024 U	0.0026 U	0.013 U	0.023 U	0.0039 U
PCB-1232	**NS**	0.003 U	0.0029 U	0.0028 U	0.0031 U	0.015 U	0.028 U	0.0037 U
PCB-1242	**NS**	0.0019 U	0.0019 U	0.0018 U	0.002 U	0.0098 U	0.018 U	0.0018 U
PCB-1248	**NS**	0.0023 U	0.0023 U	0.0022 U	0.0024 U	0.012 U	0.021 U	0.0025 U
PCB-1254	**NS**	0.0023 U	0.41	0.0022 U	0.0024 U	0.012 U	0.022 U	0.32
PCB-1260	**NS**	0.038	0.35	1.5	0.15	0.0071 U	0.14	0.20
Total PCBs	**0.09**	0.038	**0.76**	**1.5**	**0.15**	ND	**0.14**	**0.52**

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA	NA
PCB-1016	**NS**	0.0026 U	0.0025 U	NA	NA	NA	NA	NA
PCB-1221	**NS**	0.0026 U	0.0025 U	NA	NA	NA	NA	NA
PCB-1232	**NS**	0.003 U	0.0029 U	NA	NA	NA	NA	NA
PCB-1242	**NS**	0.0019 U	0.0019 U	NA	NA	NA	NA	NA
PCB-1248	**NS**	0.0023 U	0.0023 U	NA	NA	NA	NA	NA
PCB-1254	**NS**	0.0024 U	0.0023 U	NA	NA	NA	NA	NA
PCB-1260	**NS**	0.0014 U	0.0014 U	NA	NA	NA	NA	NA
Total Dissolved PCBs	**0.09**	ND	ND	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-30R4							
Lab Sample ID	Class GA	460-45763-4	460-50440-6	460-54827-14	460-65324-7	460-74555-3	460-84728-3	180-43555-1	180-54318-3
Date Sampled	Ambient	10/11/2012	02/06/2013	04/24/2013	10/22/2013	04/17/2014	10/17/2014	4/28/2015	4/29/2016
Dilution	Standards	1	1	1	1	5	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L								
PCB-1016	NS	0.0026 U	0.0024 U	0.0025 U	0.0026 U	0.013 U	0.0025 U	0.0024 U	0.0038 U
PCB-1221	NS	0.0025 U	0.0024 U	0.0025 U	0.0026 U	0.013 U	0.0025 U	0.0039 U	0.0061 U
PCB-1232	NS	0.003 U	0.0028 U	0.0029 U	0.0031 U	0.015 U	0.003 U	0.0037 U	0.0063 U
PCB-1242	NS	0.0019 U	0.0018 U	0.0018 U	0.002 U	0.0095 U	0.0019 U	0.0018 U	0.0035 U
PCB-1248	NS	0.0023 U	0.0022 U	0.0023 U	0.0024 U	0.012 U	0.0023 U	0.0026 U	0.0033 U
PCB-1254	NS	0.0023 U	0.0022 U	0.0023 U	0.0024 U	0.012 U	0.0023 U	0.0029 U	0.0046 U
PCB-1260	NS	0.0014 U	0.0013 U	0.0013 U	0.0014 U	0.0069 U	0.23	0.0068 J	0.022
Total PCBs	0.09	ND	ND	ND	ND	ND	**0.23**	0.0068	0.022

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA	NA	NA
PCB-1016	NS	0.0026 U	0.0024 U	NA	NA	NA	NA	NA	NA
PCB-1221	NS	0.0025 U	0.0024 U	NA	NA	NA	NA	NA	NA
PCB-1232	NS	0.003 U	0.0028 U	NA	NA	NA	NA	NA	NA
PCB-1242	NS	0.0019 U	0.0018 U	NA	NA	NA	NA	NA	NA
PCB-1248	NS	0.0023 U	0.0022 U	NA	NA	NA	NA	NA	NA
PCB-1254	NS	0.0023 U	0.0022 U	NA	NA	NA	NA	NA	NA
PCB-1260	NS	0.0014 U	0.0013 U	NA	NA	NA	NA	NA	NA
Total Dissolved PCBs	0.09	ND	ND	NA	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-31R						
Lab Sample ID	Class GA	460-45763-3	460-50440-5	460-54827-13	460-65324-6	460-74555-2	460-84728-2	180-54318-4
Date Sampled	Ambient	10/11/2012	02/06/2013	04/24/2013	10/22/2013	04/17/2014	10/17/2014	4/29/2016
Dilution	Standards	1	1	1	1	5	1	1
Polychlorinated Biphenyls - µg/L	µg/L							
PCB-1016	NS	0.0026 U	0.0024 U	0.0025 U	0.0026 U	0.013 U	0.0026 U	0.0037 U
PCB-1221	NS	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.013 U	0.0026 U	0.0059 U
PCB-1232	NS	0.003 U	0.0028 U	0.0029 U	0.0031 U	0.015 U	0.003 U	0.0061 U
PCB-1242	NS	0.0019 U	0.0018 U	0.0018 U	0.002 U	0.0095 U	0.0019 U	0.0034 U
PCB-1248	NS	0.0023 U	0.0021 U	0.0023 U	0.0024 U	0.012 U	0.0023 U	0.0032 U
PCB-1254	NS	0.0023 U	0.0022 U	0.0023 U	0.0024 U	0.012 U	0.0024 U	0.0045 U
PCB-1260	NS	0.072	0.080	0.78	0.049	0.0069 U	0.13	0.046
Total PCBs	0.09	0.07	0.080	**0.78**	0.049	ND	**0.13**	0.046

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA	NA
PCB-1016	NS	0.0026 U	0.0024 U	NA	NA	NA	NA	NA
PCB-1221	NS	0.0025 U	0.0024 U	NA	NA	NA	NA	NA
PCB-1232	NS	0.003 U	0.0028 U	NA	NA	NA	NA	NA
PCB-1242	NS	0.0019 U	0.0018 U	NA	NA	NA	NA	NA
PCB-1248	NS	0.0023 U	0.0022 U	NA	NA	NA	NA	NA
PCB-1254	NS	0.0023 U	0.0022 U	NA	NA	NA	NA	NA
PCB-1260	NS	0.0014 U	0.0013 U	NA	NA	NA	NA	NA
Total Dissolved PCBs	0.09	ND	ND	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-32R							
Lab Sample ID	Class GA	460-45763-2	460-50440-4	460-54827-12	460-65324-5	460-74555-1	460-84728-1	180-43555-3	180-54318-5
Date Sampled	Ambient	10/11/2012	02/06/2013	04/24/2013	10/22/2013	04/17/2014	10/16/2014	4/28/2015	4/29/2016
Dilution	Standards	20	1	1	1	5	200	10	10
Polychlorinated Biphenyls - µg/L	µg/L								
PCB-1016	**NS**	0.053 U	0.0024 U	0.0024 U	0.0026 U	0.013 U	0.49 U	0.024 U	0.038 U
PCB-1221	**NS**	0.052 U	0.0023 U	0.0024 U	0.0026 U	0.013 U	0.49 U	0.039 U	0.061 U
PCB-1232	**NS**	0.062 U	0.0028 U	0.0028 U	0.0031 U	0.015 U	0.57 U	0.037 U	0.063 U
PCB-1242	**NS**	0.039 U	0.0018 U	0.0018 U	0.0020 U	0.0095 U	0.36 U	0.018 U	0.035 U
PCB-1248	**NS**	0.048 U	0.0021 U	0.0022 U	0.0024 U	0.012 U	0.45 U	0.026 U	0.033 U
PCB-1254	**NS**	0.0023 U	0.0022 U	0.0022 U	0.0024 U	0.012 U	0.45 U	0.029 U	5.3
PCB-1260	**NS**	9	1.4	0.0013 U	0.3 p	0.0069 U	190	17	7.4
Total PCBs	**0.09**	**9**	**1.4**	ND	**0.3**	ND	**190**	**17**	**12.7**

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA	NA	NA
PCB-1016	**NS**	0.0026 U	0.0024 U	NA	NA	NA	NA	NA	NA
PCB-1221	**NS**	0.0026 U	0.0024 U	NA	NA	NA	NA	NA	NA
PCB-1232	**NS**	0.0031 U	0.0028 U	NA	NA	NA	NA	NA	NA
PCB-1242	**NS**	0.002 U	0.0018 U	NA	NA	NA	NA	NA	NA
PCB-1248	**NS**	0.0024 U	0.0022 U	NA	NA	NA	NA	NA	NA
PCB-1254	**NS**	0.0024 U	0.0022 U	NA	NA	NA	NA	NA	NA
PCB-1260	**NS**	0.0014 U	0.0013 U	NA	NA	NA	NA	NA	NA
Total Dissolved PCBs	**0.09**	ND	ND	NA	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-33R2					
Lab Sample ID	Class GA	460-45763-1	460-50440-2	460-54827-11	460-65324-4	460-74482-7	460-84728-5
Date Sampled	Ambient	10/11/2012	02/06/2013	04/23/2013	10/22/2013	04/16/2014	10/16/2014
Dilution	Standards	1	1	1	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L						
PCB-1016	**NS**	0.0026 U	0.0024 U	0.0025 U	0.0025 U	0.0026 U	0.0025 U
PCB-1221	**NS**	0.0026 U	0.0024 U	0.0025 U	0.0025 U	0.0026 U	0.0025 U
PCB-1232	**NS**	0.0031 U	0.0028 U	0.0029 U	0.003 U	0.0031 U	0.0029 U
PCB-1242	**NS**	0.002 U	0.0018 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
PCB-1248	**NS**	0.0024 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.0023 U
PCB-1254	**NS**	0.0024 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.0023 U
PCB-1260	**NS**	0.034	0.0013 U	0.0013 U	0.0014 U	0.31	0.0013 U
Total PCBs	**0.09**	0.034	ND	ND	ND	**0.31**	ND

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA
PCB-1016	**NS**	0.0026 U	0.0024 U	NA	NA	NA	NA
PCB-1221	**NS**	0.0026 U	0.0024 U	NA	NA	NA	NA
PCB-1232	**NS**	0.0031 U	0.0028 U	NA	NA	NA	NA
PCB-1242	**NS**	0.002 U	0.0018 U	NA	NA	NA	NA
PCB-1248	**NS**	0.0024 U	0.0022 U	NA	NA	NA	NA
PCB-1254	**NS**	0.0024 U	0.0022 U	NA	NA	NA	NA
PCB-1260	**NS**	0.0014 U	0.0013 U	NA	NA	NA	NA
Total Dissolved PCBs	**0.09**	ND	ND	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-34R2							
Lab Sample ID	Class GA	460-45653-6	460-50440-1	460-54827-10	460-65324-1	460-74482-6	460-84688-4	180-43555-2	180-54318-6
Date Sampled	Ambient	10/9/2012	02/06/2013	04/23/2013	10/21/2013	04/16/2014	10/16/2014	4/28/2015	4/29/2016
Dilution	Standards	1	1	1	1	1	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L								
PCB-1016	NS	0.0026 U	0.0024 U	0.0024 U	0.0026 U	0.0026 U	0.0026 U	0.0025 U	0.0038 U
PCB-1221	NS	0.0026 U	0.0023 U	0.0024 U	0.0026 U	0.0025 U	0.0025 U	0.0041 U	0.0061 U
PCB-1232	NS	0.0031 U	0.0028 U	0.0028 U	0.003 U	0.003 U	0.003 U	0.0039 U	0.0063 U
PCB-1242	NS	0.002 U	0.0018 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.0035 U
PCB-1248	NS	0.0024 U	0.0021 U	0.0022 U	0.0023 U	0.0023 U	0.0023 U	0.0027 U	0.0033 U
PCB-1254	NS	0.0024 U	0.0022 U	0.0022 U	0.0024 U	0.0023 U	0.0023 U	0.0030 U	0.0046 U
PCB-1260	NS	0.0098 J	0.13	0.0013 U	0.0014 U	0.074	0.15	0.015	0.022
Total PCBs	0.09	0.0098	**0.13**	ND	ND	0.074	**0.15**	0.015	0.022

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA	NA	NA
PCB-1016	NS	0.0026 U	0.0025 U	NA	NA	NA	NA	NA	NA
PCB-1221	NS	0.0026 U	0.0025 U	NA	NA	NA	NA	NA	NA
PCB-1232	NS	0.0031 U	0.0029 U	NA	NA	NA	NA	NA	NA
PCB-1242	NS	0.0019 U	0.0019 U	NA	NA	NA	NA	NA	NA
PCB-1248	NS	0.0024 U	0.0023 U	NA	NA	NA	NA	NA	NA
PCB-1254	NS	0.0024 U	0.0023 U	NA	NA	NA	NA	NA	NA
PCB-1260	NS	0.0014 U	0.0014 U	NA	NA	NA	NA	NA	NA
Total Dissolved PCBs	0.09	ND	ND	NA	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-35R					
Lab Sample ID	Class GA	460-45653-5	460-50383-5	460-54827-9	460-65324-2	460-74482-3	460-84728-6
Date Sampled	Ambient	10/9/2012	02/05/2013	04/23/2013	10/21/2013	04/16/2014	10/17/2014
Dilution	Standards	1	1	1	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L						
PCB-1016	NS	0.0026 U	0.0025 U	0.0024 U	0.0026 U	0.0026 U	0.0025 U
PCB-1221	NS	0.0025 U	0.0025 U	0.0024 U	0.0026 U	0.0026 U	0.0024 U
PCB-1232	NS	0.003 U	0.0029 U	0.0028 U	0.003 U	0.0031 U	0.0029 U
PCB-1242	NS	0.0019 U	0.0018 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
PCB-1248	NS	0.0023 U	0.0023 U	0.0022 U	0.0023 U	0.0024 U	0.0022 U
PCB-1254	NS	0.0023 U	0.0023 U	0.0022 U	0.0024 U	0.0024 U	0.0022 U
PCB-1260	NS	0.0059 J	0.0013 U	0.0013 U	0.0014 U	0.039	0.0013 U
Total PCBs	0.09	0.0059	ND	ND	ND	0.039	ND

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA
PCB-1016	NS	0.0026 U	0.0024 U	NA	NA	NA	NA
PCB-1221	NS	0.0026 U	0.0024 U	NA	NA	NA	NA
PCB-1232	NS	0.003 U	0.0028 U	NA	NA	NA	NA
PCB-1242	NS	0.0019 U	0.0018 U	NA	NA	NA	NA
PCB-1248	NS	0.0023 U	0.0022 U	NA	NA	NA	NA
PCB-1254	NS	0.0024 U	0.0022 U	NA	NA	NA	NA
PCB-1260	NS	0.0014 U	0.0013 U	NA	NA	NA	NA
Total Dissolved PCBs	0.09	ND	ND	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-36R2					
Lab Sample ID	Class GA	460-45653-4	460-50383-4	460-54827-8	460-65222-6	460-74482-5	460-84688-1
Date Sampled	Ambient	10/9/2012	02/05/2013	04/23/2013	10/21/2013	04/16/2014	10/16/2014
Dilution	Standards	1	1	1	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L						
PCB-1016	NS	0.0026 U	0.0025 U	0.0024 U	0.0026 U	0.0025 U	0.0025 U
PCB-1221	NS	0.0026 U	0.0024 U	0.0024 U	0.0026 U	0.0025 U	0.0025 U
PCB-1232	NS	0.0031 U	0.0029 U	0.0028 U	0.003 U	0.003 U	0.0029 U
PCB-1242	NS	0.002 U	0.0018 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U
PCB-1248	NS	0.0024 U	0.0022 U	0.0022 U	0.0023 U	0.0023 U	0.0023 U
PCB-1254	NS	0.0024 U	0.0022 U	0.0022 U	0.0024 U	0.0023 U	0.0023 U
PCB-1260	NS	0.0014 U	0.0013 U	0.025	0.0014 U	0.0014 U	0.0014 U
Total PCBs	0.09	ND	ND	0.025	ND	ND	ND

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA
PCB-1016	NS	0.0026 U	0.0024 U	NA	NA	NA	NA
PCB-1221	NS	0.0025 U	0.0023 U	NA	NA	NA	NA
PCB-1232	NS	0.003 U	0.0028 U	NA	NA	NA	NA
PCB-1242	NS	0.0019 U	0.0018 U	NA	NA	NA	NA
PCB-1248	NS	0.0023 U	0.0021 U	NA	NA	NA	NA
PCB-1254	NS	0.0023 U	0.0022 U	NA	NA	NA	NA
PCB-1260	NS	0.0014 U	0.0013 U	NA	NA	NA	NA
Total Dissolved PCBs	0.09	ND	ND	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-37R					
Lab Sample ID	Class GA	460-45653-3	460-50383-3	460-54827-7	460-65222-5	460-74482-4	460-84688-5
Date Sampled	Ambient	10/9/2012	02/05/2013	04/23/2013	10/21/2013	04/16/2014	10/16/2014
Dilution	Standards	1	1	1	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L						
PCB-1016	**NS**	0.0026 U	0.0024 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U
PCB-1221	**NS**	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0025 U	0.0025 U
PCB-1232	**NS**	0.003 U	0.0028 U	0.0030 U	0.0031 U	0.003 U	0.0030 U
PCB-1242	**NS**	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
PCB-1248	**NS**	0.0023 U	0.0021 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U
PCB-1254	**NS**	0.0023 U	0.0022 U	0.22	0.0024 U	0.0023 U	0.0023 U
PCB-1260	**NS**	0.25	0.035	0.33	0.039	0.35	0.11
Total PCBs	**0.09**	**0.25**	0.035	**0.55**	0.039	**0.35**	**0.11**

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA
PCB-1016	**NS**	0.0025 U	0.0025 U	NA	NA	NA	NA
PCB-1221	**NS**	0.0025 U	0.0025 U	NA	NA	NA	NA
PCB-1232	**NS**	0.003 U	0.0029 U	NA	NA	NA	NA
PCB-1242	**NS**	0.0019 U	0.0019 U	NA	NA	NA	NA
PCB-1248	**NS**	0.0023 U	0.0023 U	NA	NA	NA	NA
PCB-1254	**NS**	0.0023 U	0.0023 U	NA	NA	NA	NA
PCB-1260	**NS**	0.0014 U	0.0014 U	NA	NA	NA	NA
Total Dissolved PCBs	**0.09**	ND	ND	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-38R							
Lab Sample ID	Class GA	460-45653-2	460-50440-3	460-54827-6	460-65222-3	460-74482-1	460-84688-2	180-43485-6	180-54291-6
Date Sampled	Ambient	10/9/2012	02/06/2013	04/23/2013	10/21/2013	04/16/2014	10/16/2014	4/27/2015	4/28/2016
Dilution	Standards	1	1	1	1	1	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L								
PCB-1016	NS	0.0026 U	0.0025 U	0.0024 U	0.0026 U	0.0026 U	0.0025 U	0.0024 U	0.0039 U
PCB-1221	NS	0.0025 U	0.0025 U	0.0023 U	0.0026 U	0.0025 U	0.0025 U	0.0039 U	0.0062 U
PCB-1232	NS	0.003 U	0.0029 U	0.0028 U	0.003 U	0.003 U	0.0029 U	0.0037 U	0.0064 U
PCB-1242	NS	0.0019 U	0.0018 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.0035 U
PCB-1248	NS	0.0023 U	0.0023 U	0.0021 U	0.0023 U	0.0023 U	0.0023 U	0.0025 U	0.0034 U
PCB-1254	NS	0.0023 U	0.0023 U	0.0022 U	0.0024 U	0.0023 U	0.0023 U	0.0028 U	0.0047 U
PCB-1260	NS	0.72	0.0013 U	0.025	0.79	0.0014 U	0.044	0.81	0.0071 J
Total PCBs	0.09	**0.72**	ND	0.025	**0.79**	ND	0.044	**0.81**	0.0071

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA	NA	NA
PCB-1016	NS	0.0026 U	0.0025 U	NA	NA	NA	NA	NA	NA
PCB-1221	NS	0.0026 U	0.0025 U	NA	NA	NA	NA	NA	NA
PCB-1232	NS	0.003 U	0.0029 U	NA	NA	NA	NA	NA	NA
PCB-1242	NS	0.0019 U	0.0019 U	NA	NA	NA	NA	NA	NA
PCB-1248	NS	0.0023 U	0.0023 U	NA	NA	NA	NA	NA	NA
PCB-1254	NS	0.0024 U	0.0023 U	NA	NA	NA	NA	NA	NA
PCB-1260	NS	0.0014 U	0.0014 U	NA	NA	NA	NA	NA	NA
Total Dissolved PCBs	0.09	ND	ND	NA	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-39R							
Lab Sample ID	Class GA	460-45606-4	460-50383-2	460-54827-5	460-65222-4	460-74408-4	460-84688-6	180-43485-5	180-54291-5
Date Sampled	Ambient	10/8/2012	02/05/2013	04/23/2013	10/21/2013	04/15/2014	10/16/2014	4/27/2015	4/28/2016
Dilution	Standards	1	1	1	1	1	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L								
PCB-1016	NS	0.0026 U	0.0025 U	0.0025 U	0.0026 U	0.0026 U	0.0026 U	0.0024 U	0.0039 U
PCB-1221	NS	0.0026 U	0.0024 U	0.0025 U	0.0026 U	0.0025 U	0.0025 U	0.0039 U	0.0062 U
PCB-1232	NS	0.003 U	0.0029 U	0.0029 U	0.0031 U	0.003 U	0.003 U	0.0038 U	0.0064 U
PCB-1242	NS	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.0035 U
PCB-1248	NS	0.0023 U	0.0022 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U	0.0026 U	0.0034 U
PCB-1254	NS	0.0024 U	0.032	0.0023 U	0.0024 U	0.0023 U	0.0023 U	0.0029 U	0.0047 U
PCB-1260	NS	0.0014 U	0.0013 U	0.0014 U	0.04	0.0014 U	0.0055 J	0.012	0.0065 J
Total PCBs	0.09	ND	0.032	ND	0.04	ND	0.0055	0.012	0.0065

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA	NA	NA
PCB-1016	NS	0.0026 U	0.0025 U	NA	NA	NA	NA	NA	NA
PCB-1221	NS	0.0026 U	0.0025 U	NA	NA	NA	NA	NA	NA
PCB-1232	NS	0.0031 U	0.0029 U	NA	NA	NA	NA	NA	NA
PCB-1242	NS	0.002 U	0.0019 U	NA	NA	NA	NA	NA	NA
PCB-1248	NS	0.0024 U	0.0023 U	NA	NA	NA	NA	NA	NA
PCB-1254	NS	0.0024 U	0.0023 U	NA	NA	NA	NA	NA	NA
PCB-1260	NS	0.0014 U	0.0014 U	NA	NA	NA	NA	NA	NA
Total Dissolved PCBs	0.09	ND	ND	NA	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-40R2						
Lab Sample ID	Class GA	460-45606-3	460-50383-1	460-54827-4	460-65222-2	460-74408-3	460-84688-7	180-43485-4
Date Sampled	Ambient	10/8/2012	02/05/2013	04/23/2013	10/21/2013	04/15/2014	10/16/2014	4/27/2015
Dilution	Standards	1	1	1	1	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L							
PCB-1016	NS	0.0026 U	0.0024 U	0.0026 U	0.0026 U	0.0026 U	0.0025 U	0.0025 U
PCB-1221	NS	0.0026 U	0.0024 U	0.0025 U	0.0026 U	0.0025 U	0.0025 U	0.0041 U
PCB-1232	NS	0.003 U	0.0028 U	0.0030 U	0.0031 U	0.003 U	0.0029 U	0.0039 U
PCB-1242	NS	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
PCB-1248	NS	0.0023 U	0.0022 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U	0.0027 U
PCB-1254	NS	0.0024 U	0.0022 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U	0.0030 U
PCB-1260	NS	0.0014 U	0.0013 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0017 U
Total PCBs	0.09	ND	ND	ND	ND	ND	ND	ND

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA	NA
PCB-1016	NS	0.0026 U	0.0026 U	NA	NA	NA	NA	NA
PCB-1221	NS	0.0026 U	0.0025 U	NA	NA	NA	NA	NA
PCB-1232	NS	0.0031 U	0.0030 U	NA	NA	NA	NA	NA
PCB-1242	NS	0.002 U	0.0019 U	NA	NA	NA	NA	NA
PCB-1248	NS	0.0024 U	0.0023 U	NA	NA	NA	NA	NA
PCB-1254	NS	0.0024 U	0.0023 U	NA	NA	NA	NA	NA
PCB-1260	NS	0.0014 U	0.0014 U	NA	NA	NA	NA	NA
Total Dissolved PCBs	0.09	ND	ND	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-41R3						
Lab Sample ID	Class GA	460-45653-1	460-50335-2	460-54827-3	460-65324-3	460-74408-2	180-43485-3	180-54291-4
Date Sampled	Ambient	10/9/2012	02/04/2013	04/22/2013	10/22/2013	04/15/2014	4/27/2015	4/28/2016
Dilution	Standards	1	1	1	1	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L							
PCB-1016	NS	0.0026 U	0.0024 U	0.0024 U	0.0026 U	0.0026 U	0.0025 U	0.0039 U
PCB-1221	NS	0.0025 U	0.0024 U	0.0024 U	0.0026 U	0.0025 U	0.0041 U	0.0062 U
PCB-1232	NS	0.003 U	0.0028 U	0.0028 U	0.0031 U	0.003 U	0.0039 U	0.0064 U
PCB-1242	NS	0.0019 U	0.0018 U	0.0018 U	0.002 U	0.0019 U	0.0019 U	0.0035 U
PCB-1248	NS	0.0023 U	0.0022 U	0.0022 U	0.0024 U	0.0023 U	0.0027 U	0.0034 U
PCB-1254	NS	0.0023 U	0.0022 U	0.0022 U	0.0024 U	0.0023 U	0.0030 U	0.0047 U
PCB-1260	NS	0.0014 U	0.0013 U	0.0013 U	0.0014 U	0.0014 U	0.0064 J	0.0030 U
Total PCBs	0.09	ND	ND	ND	ND	ND	0.0064	ND

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA	NA
PCB-1016	NS	0.0025 U	0.0025 U	NA	NA	NA	NA	NA
PCB-1221	NS	0.0025 U	0.0025 U	NA	NA	NA	NA	NA
PCB-1232	NS	0.003 U	0.0029 U	NA	NA	NA	NA	NA
PCB-1242	NS	0.0019 U	0.0018 U	NA	NA	NA	NA	NA
PCB-1248	NS	0.0023 U	0.0023 U	NA	NA	NA	NA	NA
PCB-1254	NS	0.0023 U	0.0023 U	NA	NA	NA	NA	NA
PCB-1260	NS	0.0014 U	0.0013 U	NA	NA	NA	NA	NA
Total Dissolved PCBs	0.09	ND	ND	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-42R2						
Lab Sample ID	Class GA	460-45606-2	460-50335-3	460-54827-2	460-74408-1	180-38015-1	180-43485-2	180-54291-3
Date Sampled	Ambient	10/8/2012	02/04/2013	04/22/2013	04/15/2014	10/21/2014	4/27/2015	4/28/2016
Dilution	Standards	1	1	1	1	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L							
PCB-1016	NS	0.0026 U	0.0024 U	0.0024 U	0.0026 U	0.0026 U	0.0025 U	0.0039 U
PCB-1221	NS	0.0026 U	0.0024 U	0.0024 U	0.0026 U	0.0043 U	0.0041 U	0.0062 U
PCB-1232	NS	0.003 U	0.0028 U	0.0028 U	0.0031 U	0.0041 U	0.0039 U	0.0064 U
PCB-1242	NS	0.0019 U	0.0018 U	0.0018 U	0.0019 U	0.002 U	0.0019 U	0.0035 U
PCB-1248	NS	0.0023 U	0.0022 U	0.0022 U	0.0024 U	0.0028 U	0.0027 U	0.0034 U
PCB-1254	NS	0.0024 U	0.0022 U	0.0022 U	0.0024 U	0.0032 U	0.0030 U	0.0047 U
PCB-1260	NS	0.0014 U	0.0013 U	0.0013 U	0.0014 U	0.0018 U	0.0034 J	0.0030 U
Total PCBs	0.09	ND	ND	ND	ND	ND	0.0034	ND

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA	NA
PCB-1016	NS	0.0026 U	0.0025 U	NA	NA	NA	NA	NA
PCB-1221	NS	0.0026 U	0.0025 U	NA	NA	NA	NA	NA
PCB-1232	NS	0.003 U	0.0029 U	NA	NA	NA	NA	NA
PCB-1242	NS	0.0019 U	0.0018 U	NA	NA	NA	NA	NA
PCB-1248	NS	0.0023 U	0.0023 U	NA	NA	NA	NA	NA
PCB-1254	NS	0.0024 U	0.0023 U	NA	NA	NA	NA	NA
PCB-1260	NS	0.0014 U	0.0013 U	NA	NA	NA	NA	NA
Total Dissolved PCBs	0.09	ND	ND	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

PCBs

Client ID	NYSDEC	CE-MW-43R3							
Lab Sample ID	Class GA	460-45606-1	460-50335-1	460-54827-1	460-65222-1	460-74482-2	460-84688-3	180-43485-1	180-54291-2
Date Sampled	Ambient	10/8/2012	02/04/2013	04/22/2013	10/21/2013	04/16/2014	10/16/2014	4/27/2015	4/28/2016
Dilution	Standards	1	1	1	1	1	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L								
PCB-1016	NS	0.0026 U	0.0025 U	0.0025 U	0.0026 U	0.0026 U	0.0024 U	0.0025 U	0.0037 U
PCB-1221	NS	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0026 U	0.0023 U	0.0041 U	0.0060 U
PCB-1232	NS	0.003 U	0.0029 U	0.0029 U	0.003 U	0.0031 U	0.0028 U	0.0039 U	0.0062 U
PCB-1242	NS	0.0019 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0018 U	0.0019 U	0.0034 U
PCB-1248	NS	0.0023 U	0.0023 U	0.0022 U	0.0023 U	0.0024 U	0.0021 U	0.0027 U	0.0033 U
PCB-1254	NS	0.0023 U	0.0023 U	0.0022 U	0.0023 U	0.0024 U	0.0022 U	0.0030 U	0.0045 U
PCB-1260	NS	0.0014 U	0.0014 U	0.043	0.0014 U	0.0014 U	0.0013 U	0.0017 U	0.0029 U
Total PCBs	0.09	ND	ND	0.043	ND	ND	ND	ND	ND

Dissolved - µg/L

Dilution		1	1	NA	NA	NA	NA	NA	NA
PCB-1016	NS	0.0026 U	0.0025 U	NA	NA	NA	NA	NA	NA
PCB-1221	NS	0.0025 U	0.0025 U	NA	NA	NA	NA	NA	NA
PCB-1232	NS	0.003 U	0.0029 U	NA	NA	NA	NA	NA	NA
PCB-1242	NS	0.0019 U	0.0019 U	NA	NA	NA	NA	NA	NA
PCB-1248	NS	0.0023 U	0.0023 U	NA	NA	NA	NA	NA	NA
PCB-1254	NS	0.0023 U	0.0023 U	NA	NA	NA	NA	NA	NA
PCB-1260	NS	0.0014 U	0.0014 U	NA	NA	NA	NA	NA	NA
Total Dissolved PCBs	0.09	ND	ND	NA	NA	NA	NA	NA	NA

Flushing Industrial Park, Parcels 1 - 3

Table 3

Post-Remediation Groundwater Sample Laboratory Analytical Results

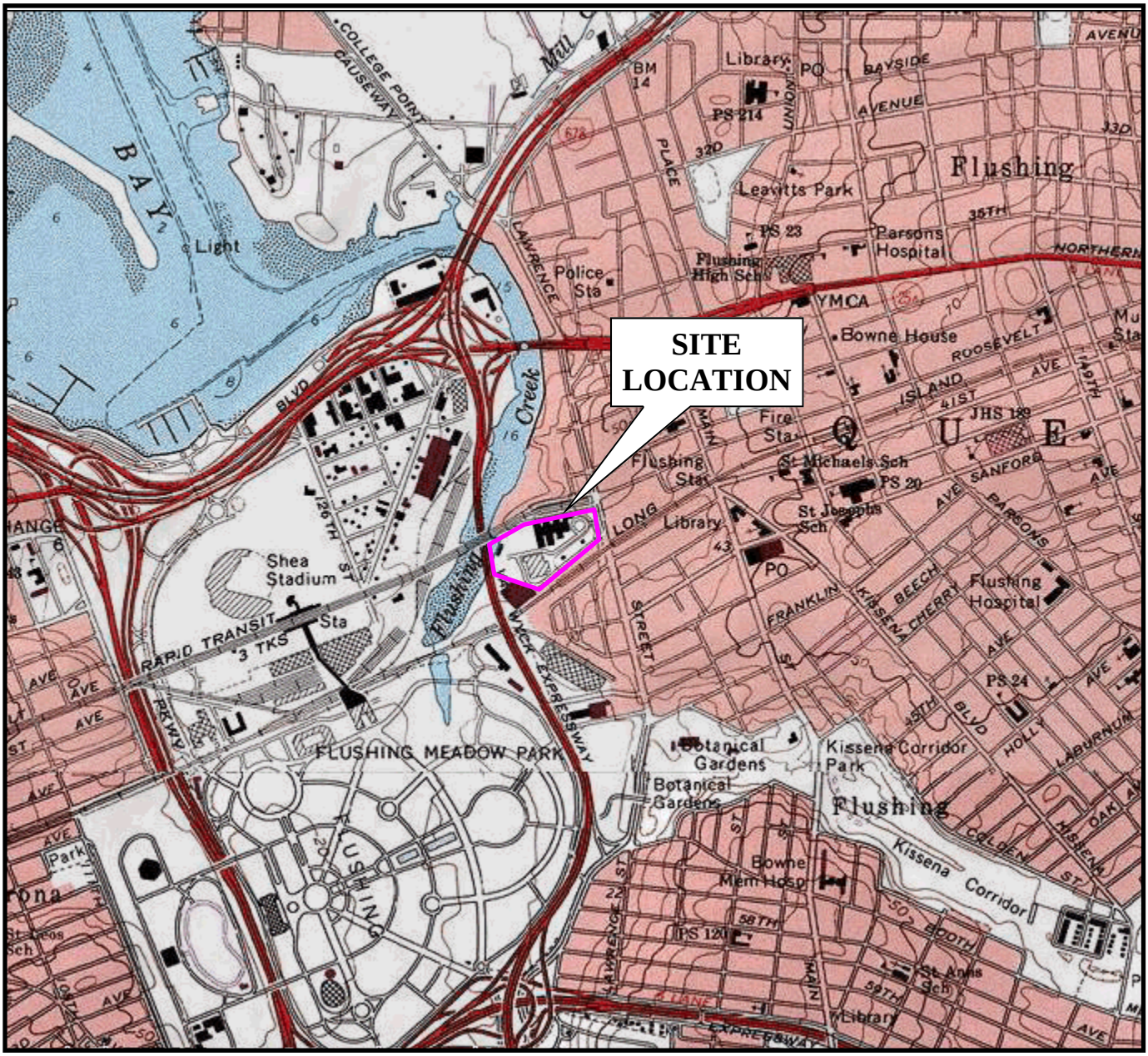
PCBs

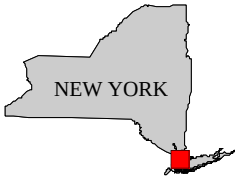
Client ID	NYSDEC	CE-EB-65	CE-EB-66	CE-EB-67	CE-EB68	CE-EB69	CE-EB-70	CE-EB-71	CE-EB-72
Lab Sample ID	Class GA	460-45763-8	460-50440-10	460-54827-18	460-65324-10	460-74555-7	460-84728-8	180-43555-7	180-54291-1
Date Sampled	Ambient	10/11/2012	02/06/2013	04/24/2013	10/22/2013	04/17/2014	10/17/2014	4/28/2015	4/28/2016
Dilution	Standards	1	1	1	1	5	1	1	1
Polychlorinated Biphenyls - µg/L	µg/L								
PCB-1016	NS	0.0026 U	0.0024 U	0.0024 U	0.0026 U	0.013 U	0.0024	0.0025 U	0.0038 U
PCB-1221	NS	0.0025 U	0.0023 U	0.0024 U	0.0026 U	0.013 U	0.0023	0.0041 U	0.0060 U
PCB-1232	NS	0.003 U	0.0028 U	0.0028 U	0.003 U	0.015 U	0.0028	0.0039 U	0.0062 U
PCB-1242	NS	0.0019 U	0.0018 U	0.0018 U	0.0019 U	0.0097 U	0.0018	0.0019 U	0.0035 U
PCB-1248	NS	0.0023 U	0.0021 U	0.0022 U	0.0023 U	0.012 U	0.0021	0.0027 U	0.017
PCB-1254	NS	0.0023 U	0.0022 U	0.0022 U	0.0024 U	0.012 U	0.0022	0.0030 U	0.0046 U
PCB-1260	NS	0.0014 U	0.0013 U	0.0013 U	0.0014 U	0.0071 U	0.0013	0.0017 U	0.0030 U
Total PCBs	0.09	ND	ND	ND	ND	ND	ND	ND	0.017

Dissolved - µg/L

Dilution		NA	NA	NA	NA	NA	NA	NA	NA
PCB-1016	NS	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1221	NS	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1232	NS	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1242	NS	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1248	NS	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1254	NS	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1260	NS	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved PCBs	0.09	NA	NA	NA	NA	NA	NA	NA	NA

FIGURES

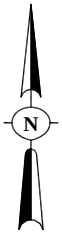




SCALE IN FEET

0’ 1000’ 2000’ 4000’

SCALE: 1”=2000’



SOURCE:

7.5 MINUTE SERIES USGS TOPOGRAPHIC MAP
QUADRANGLE: FLUSHING, NY 1995

FLUSHING INDUSTRIAL PARK, PARCELS 1-4
FLUSHING, NEW YORK

PROJECT SITE LOCATION

AKRF

Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE **11.21.06**
PROJECT No. **30141**
SCALE **AS SHOWN**
FIGURE **1**

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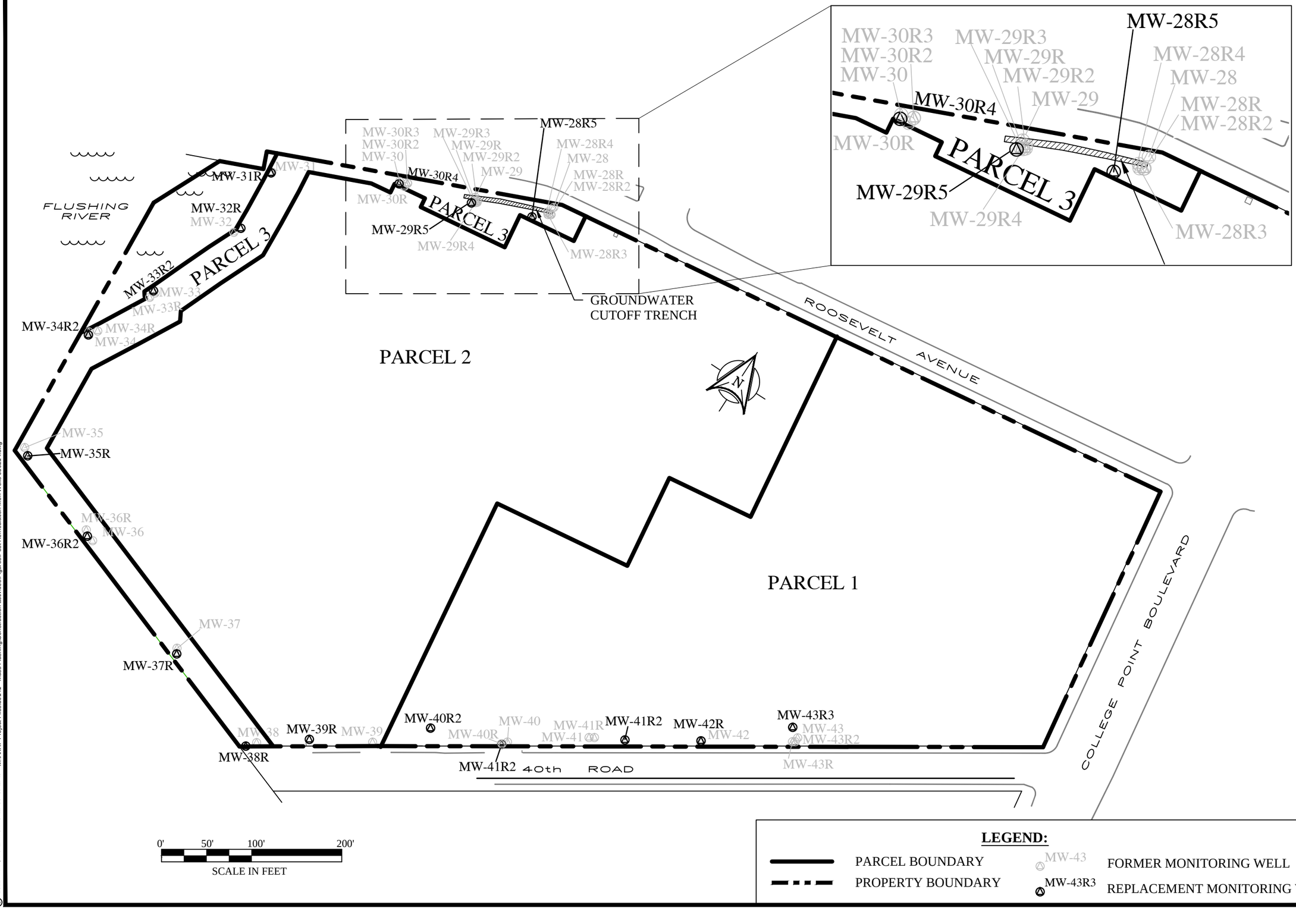

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AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

FLUSHING INDUSTRIAL PARK
FLUSHING, NEW YORK

POST-REMEDIATION MONITORING WELL PLAN

DATE
7.22.2014

SCALE
1"=100'

PROJECT No.
30141

FIGURE
2

PCB CONCENTRATIONS IN GROUNDWATER

FLUSHING INDUSTRIAL PARK
FLUSHING, NEW YORK

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
5.12.2016

SCALE
as shown

PROJECT No.
30141

FIGURE
3

MW-31	Feb-08	May-08	Aug-08	Mar-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	0.5	ND	0.26	ND	0.46	ND	ND	ND	.07	ND	.28	ND	ND	0.13	NA	NA
Dissolved PCBs	ND	ND	ND	ND	0.63	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	.0046

MW-30	Feb-08	May-08	Mar-09	May-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23	0.0068	.022
Dissolved PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-32	Feb-08	Aug-08	Mar-09	May-09	Aug-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	6	ND	ND	0.29	0.37	5.9	5.5	ND	3.7	9	1.4	ND	1	ND	190	17	12.7
Dissolved PCBs	ND	ND	ND	ND	ND	ND	3.8	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-28	Feb-08	May-08	Aug-08	Mar-09	May-09	Aug-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Oct-14	Apr-15	Apr-16
Total PCBs	2.69	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13	0.25	.019	
Dissolved PCBs	ND	ND	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA

MW-33	Feb-08	May-08	Aug-08	Mar-09	May-09	Aug-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	2.3	ND	0.25	ND	0.31	0.41	ND	ND	ND	ND	.03	ND	ND	ND	0.31	ND	NA	NA
Dissolved PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-34	Feb-08	May-08	Aug-08	Nov-08	Mar-09	May-09	Aug-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	ND	ND	ND	ND	0.21	ND	ND	ND	ND	ND	ND	.01	.12	ND	ND	0.074	0.15	0.015	.022
Dissolved PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-35	Feb-08	May-08	Aug-08	Nov-08	Mar-09	May-09	Aug-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	0.093	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.01	ND	ND	ND	0.039	ND	NA	NA
Dissolved PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-36	Feb-08	May-08	Aug-08	Nov-08	Mar-09	May-09	Aug-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Dissolved PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-37	Feb-08	May-08	Aug-08	Nov-08	Mar-09	May-09	Aug-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	ND	ND	ND	ND	ND	ND	ND	ND	.81	ND	ND	.25	ND	.55	ND	0.35	0.11	NA	NA
Dissolved PCBs	ND	ND	ND	ND	ND	ND	ND	0.34	.99	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-29	Feb-08	Aug-08	Nov-08	Mar-09	May-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	0.376	1.53	NA	ND	0.11	1.8	0.47	ND	0.4	0.04	.76	1.5	.15	ND	0.14	0.52	.022
Dissolved PCBs	ND	0.51	NA	ND	ND	ND	1.3	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-38	Feb-08	May-08	Aug-08	Nov-08	Mar-09	May-09	Aug-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	0.16	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	.72	ND	ND	.79	ND	.044	0.81	.0071
Dissolved PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-40	Feb-08	Aug-08	May-09	Aug-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	0.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-39	Feb-08	May-08	Aug-08	Nov-08	Mar-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-41	Feb-08	May-08	Aug-08	Nov-08	Mar-09	May-09	Aug-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0.0064	ND
Dissolved PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-42	Feb-08	May-08	Aug-08	Nov-08	Mar-09	May-09	Aug-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0034	ND
Dissolved PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-43	Feb-08	May-08	Aug-08	Nov-08	Mar-09	May-09	Aug-09	Oct-11	Feb-12	Apr-12	Jul-12	Oct-12	Feb-13	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Apr-16
Total PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA

MW-31R
MW-31
MW-32R
MW-32
MW-30R3
MW-30R2
MW-30
MW-30R4
MW-30R
MW-29R3
MW-29R
MW-29R2
MW-29
MW-29R5
MW-29R4
MW-28R5
MW-28R4
MW-28
MW-28R
MW-28R2
MW-28R3
MW-33R2
MW-33
MW-33R
MW-34
MW-34R2
MW-34R
MW-35
MW-35R
MW-36R
MW-36R2
MW-36
MW-37
MW-37R
MW-38
MW-38R
MW-39
MW-39R
MW-40R2
MW-40
MW-40R
MW-41R
MW-41
MW-41R2
MW-42R
MW-42
MW-43R3
MW-43
MW-43R2
MW-43R
MW-41R2

PARCEL 3
PARCEL 3
PARCEL 2
PARCEL 1

GROUNDWATER
CUTOFF TRENCH

FLUSHING
RIVER

ROOSEVELT AVENUE
COLLEGE POINT BOULEVARD
40th ROAD

0' 25' 50' 100'
SCALE IN FEET

LEGEND:

- MW-43R — Replacement monitoring well
- MW-43 — Former monitoring well
- Parcel boundary
- Property boundary
- Interlocking Sheeting
- PCB — Total and dissolved PCB Concentrations shown in micrograms per liter (µg/L or ppb)
- ND — Not detected
- NA — Not Analyzed

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APPENDIX A
WELL SAMPLING LOGS

Well Sampling Log

Job No:	**30141**	**Client:**	**C.E. Flushing, LLC**
Project Location:	**Flushing Industrial Park, Parcels 1-3**	**Sampled By:**	SS
Date:	4/29/2016	**Sampling Time:**	14:35
PID at surface:	**ND**		

Well No: **MW-28R5**

Total Depth:	13.56 ft. below top of casing	**Water Column (**	0.00 feet
Depth to Water:	4.99 ft. below top of casing	**Well Volume*:**	0.00 gallons
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	0.5 gallons
Depth to top of screen:	1.0 ft. below top of casing	**Well Diam.:**	2 inches
Depth to bottom of screen:	11.0 ft. below top of casing	**Pump type:**	QED Sample Pro Bladder Pump
Approx. Pump Intake:	8.00 ft. below top of casing	**Field Screening Instrument:**	YSI Pro DSS

*= 0.163 * WC for 2" wells
*= 0.653 * WC for 4" wells
*= 1.469 * WC for 6" wells

Target maximum flow rate is 100 ml/min

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
14:05	4.99	100	10.5	6.966	1.21	7.60	-235.8	21.3	
14:10	4.99	100	10.4	7.431	0.97	7.23	-256.3	19.5	
14:15	4.99	100	10.4	7.655	0.75	7.10	-270.2	17.0	No sheen, sulfur odor from river.
14:20	4.99	100	10.4	7.655	0.71	7.03	-280.9	13.8	
14:25	4.99	100	10.4	7.546	0.68	6.99	-284.3	11.7	
14:30	4.99	100	10.4	7.501	0.66	6.94	-290.5	10.3	
Sampling									
14:45	4.99	100	10.4	7.466	0.65	6.92	-295.7	8.8	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). **Duplicate collected at this location, identified as CE-MW-28R5 and CE-MW-28R5A - sample containers filled alternately for each container for 28R5 and 28R5A.** Purge water transferred to drum # 314.

Well Sampling Log

Job No: 30141	**Client:** C.E. Flushing, LLC	**Well No:**	
Project Location: Flushing Industrial Park, Parcels 1-3	**Sampled By:**	**MW-29R5**	
Date:	**Sampling Time:**		
PID at surface:			
Total Depth: ft. below top of casing	**Water Column (WC):** feet	*= 0.163 * WC for 2" wells	
Depth to Water: ft. below top of casing	**Well Volume*:** gallons	*= 0.653 * WC for 4" wells	
Depth to Product: ft. below top of casing	**Volume Purged:** gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen: 1.0 ft. below top of casing	**Well Diam.:** 2 inches	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen: 12.0 ft. below top of casing	**Pump type:** QED Sample Pro Bladder Pump		
Approx. Pump Intake: ft. below top of casing	**Field Screening Instrument:**		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
									Blocked by full roll off containers and elevator platform.
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). Purge water transferred to drum #_____.

Well Sampling Log

Job No: 30141	**Client:** C.E. Flushing, LLC	**Well No:**	
Project Location: Flushing Industrial Park, Parcels 1-3	**Sampled By:** SS	**MW-30R4**	
Date: 4/29/2016	**Sampling Time:** 13:30		
PID at surface: ND			
Total Depth: 13.50 ft. below top of casing	**Water Column (** 8.86 feet	*= 0.163 * WC for 2" wells	
Depth to Water: 4.64 ft. below top of casing	**Well Volume*:** 1.44 gallons	*= 0.653 * WC for 4" wells	
Depth to Product: ND ft. below top of casing	**Volume Purged:** 0.5 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen: 6.4 ft. below top of casing	**Well Diam.:** 2 inches	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen: 16.4 ft. below top of casing	**Pump type:** QED Sample Pro Bladder Pump		
Approx. Pump Intake: 10.00 ft. below top of casing	**Field Screening Instrument:** YSI Pro DSS		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
13:00	4.62	100	11.2	12.261	3.87	7.63	-286.5	89.8	
13:05	4.62	100	11.0	11.577	1.70	7.35	-315.9	73.6	
13:10	4.62	100	10.8	8.397	1.22	7.31	-326.8	56.4	No sheen, sulfur odor from river.
13:15	4.62	100	10.7	7.783	1.15	7.33	-330.9	47.7	
13:20	4.62	100	10.7	7.496	1.12	7.34	-333.2	42.6	
13:25	4.62	100	10.7	7.277	1.08	7.35	-335.8	40.1	
Sampling									
13:35	4.62	100	10.7	7.206	1.03	7.35	-338.5	37.4	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082. Purge water transferred to drum # 314.

Well Sampling Log

Job No: 30141	**Client:** C.E. Flushing, LLC	**Well No:**	
Project Location: Flushing Industrial Park, Parcels 1-3	**Sampled By:** SS	**MW-31R**	
Date: 4/29/2016	**Sampling Time:** 11:55		
PID at surface: ND			
Total Depth: 12.63 ft. below top of casing	**Water Column (** 8.25 feet	*= 0.163 * WC for 2" wells	
Depth to Water: 4.38 ft. below top of casing	**Well Volume*:** 1.34 gallons	*= 0.653 * WC for 4" wells	
Depth to Product: ND ft. below top of casing	**Volume Purged:** 0.50 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen: 4.1 ft. below top of casing	**Well Diam.:** 2 inches	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen: 14.1 ft. below top of casing	**Pump type:** QED Sample Pro Bladder Pump		
Approx. Pump Intake: 9.00 ft. below top of casing	**Field Screening Instrument:** YSI Pro DSS		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
11:30	4.35	100	12.6	31.545	3.04	7.99	-192.6	66.5	
11:35	4.35	100	11.6	31.726	1.5	7.63	-211.6	44.7	
11:40	4.35	100	11.4	31.842	.89	7.59	-218.4	12.9	No sheen, sulfur odor from river.
11:45	4.35	100	11.4	31.837	.86	7.58	-219.5	16.6	
11:50	4.35	100	11.4	31.788	1.09	7.56	-223.2	6.1	
Sampling									
12:00	4.35	100	11.4	31.723	1.02	7.55	-224.8	5.7	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). Purge water transferred to drum # 314.

Well Sampling Log

Job No:	**30141**	**Client:**	**C.E. Flushing, LLC**
Project Location:	**Flushing Industrial Park, Parcels 1-3**	**Sampled By:**	SS
Date:	4/29/2016	**Sampling Time:**	11:10
PID at surface:	**ND**		

Well No: **MW-32R**

Total Depth:	12.22	ft. below top of casing	**Water Column (** 7.81 feet	*= 0.163 * WC for 2" wells
Depth to Water:	4.41	ft. below top of casing	**Well Volume*:** 1.27 gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ND	ft. below top of casing	**Volume Purged:** 0.75 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	4.8	ft. below top of casing	**Well Diam.:** 2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	14.8	ft. below top of casing	**Pump type:** QED Sample Pro Bladder Pump	
Approx. Pump Intake:	9.00	ft. below top of casing	**Field Screening Instrument:** YSI Pro DSS	

Time	**Depth to Water** (Ft.)	**Purge Rate** (ml/min)	**Temp** (^{o}C)	**Conductivity** (mS/cm)	**DO** (mg/L)	**pH**	**ORP** (mV)	**Turbidity*** (NTU)	**Comments** (problems, odor, sheen)
10:35	4.40	100	12.0	21.093	3.40	8.24	-300.2	81.9	
10:40	4.40	100	11.4	19.740	0.87	7.74	-328.5	59.5	
10:45	4.40	100	11.4	17.368	0.73	7.90	-339.7	29.4	No sheen, sulfur odor from river.
10:50	4.40	100	11.5	16.783	0.68	8.07	-342.4	20.7	
10:55	4.40	100	11.5	16.555	0.66	8.17	-344.3	16.2	
11:00	4.40	100	11.5	16.411	0.65	8.20	-346.0	14.4	
11:05	4.40	100	11.5	16.292	0.64	8.22	-347.8	11.7	
Sampling									
11:15	4.40	100	11.5	16.219	0.64	8.24	-348.5	10.1	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). Purge water transferred to drum #314.

Well Sampling Log

Job No: 30141		**Client:** C.E. Flushing, LLC	**Well No:** MW-33R2
Project Location: Flushing Industrial Park, Parcels 1-3		**Sampled By:**	
Date:		**Sampling Time:**	
PID at surface:			
Total Depth:	ft. below top of casing	**Water Column (WC):** feet	*= 0.163 * WC for 2" wells
Depth to Water:	ft. below top of casing	**Well Volume*:** gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ft. below top of casing	**Volume Purged:** gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	6.3 ft. below top of casing	**Well Diam.:** 2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	16.3 ft. below top of casing	**Pump type:** QED Sample Pro Bladder Pump	
Approx. Pump Intake:	ft. below top of casing	**Field Screening Instrument:**	

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
									Blocked by fencing and scaffolding materials.
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). Purge water transferred to drum #_____.

Well Sampling Log

Job No:	**30141**		**Client:**	**C.E. Flushing, LLC**	**Well No:** **MW-34R2**
Project Location:	**Flushing Industrial Park, Parcels 1-3**		**Sampled By:**	SS	
Date:	4/29/2016		**Sampling Time:**	10:10	
PID at surface:	**ND**				
Total Depth:	13.32 ft. below top of casing		**Water Column (**	6.37 feet	*= 0.163 * WC for 2" wells
Depth to Water:	6.95 ft. below top of casing		**Well Volume*:**	1.04 gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ND ft. below top of casing		**Volume Purged:**	0.75 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	6.3 ft. below top of casing		**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	16.3 ft. below top of casing		**Pump type:**	QED Sample Pro Bladder Pump	
Approx. Pump Intake:	10.00 ft. below top of casing		**Field Screening Instrument:**	YSI Pro DSS	

Time	**Depth to Water** (Ft.)	**Purge Rate** (ml/min)	**Temp** (^{o}C)	**Conductivity** (mS/cm)	**DO** (mg/L)	**pH**	**ORP** (mV)	**Turbidity*** (NTU)	**Comments** (problems, odor, sheen)
9:30	6.95	100	12.7	13.061	7.11	7.18	-144.1	47.7	
9:35	6.95	100	11.9	18.344	1.60	6.91	-238.0	46.3	
9:40	6.95	100	12.0	16.210	0.96	7.07	-283.4	31.6	No sheen, sulfur odor from river.
9:45	6.95	100	12.0	14.914	0.83	720	-287.0	19.0	
9:50	6.95	100	12.1	14.376	0.74	7.32	-291.8	14.3	
9:55	6.95	100	12.1	13.841	0.71	7.38	-294.4	9.5	
10:00	6.95	100	12.1	13.715	0.71	7.42	-299.4	7.9	
10:05	6.95	100	12.1	13.643	0.69	7.45	-304.0	7.6	
				10:48					
10:15	6.95	100	12.1	13.485	0.66	7.47	-309.6	7.0	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). Purge water transferred to drum # 314.

Well Sampling Log

Job No: 30141		**Client:** C.E. Flushing, LLC	**Well No:** MW-35R
Project Location: Flushing Industrial Park, Parcels 1-3		**Sampled By:**	
Date:		**Sampling Time:**	
PID at surface:			
Total Depth:	ft. below top of casing	**Water Column (WC):** feet	*= 0.163 * WC for 2" wells
Depth to Water:	ft. below top of casing	**Well Volume*:** gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ft. below top of casing	**Volume Purged:** gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	3.7 ft. below top of casing	**Well Diam.:** 2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	13.7 ft. below top of casing	**Pump type:** QED Sample Pro Bladder Pump	
Approx. Pump Intake:	ft. below top of casing	**Field Screening Instrument:**	

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
									Blocked by multiple shipping containers.
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). Purge water transferred to drum #_____.

Well Sampling Log

Job No: 30141		**Client:** C.E. Flushing, LLC	**Well No:** MW-36R2
Project Location: Flushing Industrial Park, Parcels 1-3		**Sampled By:**	
Date:		**Sampling Time:**	
PID at surface:			
Total Depth:	ft. below top of casing	**Water Column (WC):** feet	*= 0.163 * WC for 2" wells
Depth to Water:	ft. below top of casing	**Well Volume*:** gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ft. below top of casing	**Volume Purged:** gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	6.2 ft. below top of casing	**Well Diam.:** 2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	16.2 ft. below top of casing	**Pump type:** QED Sample Pro Bladder Pump	
Approx. Pump Intake:	ft. below top of casing	**Field Screening Instrument:**	

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
									Blocked by multiple pallets of windows, concrete and cinder block.
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). Purge water transferred to drum #_____.

Well Sampling Log

Job No: 30141		**Client:** C.E. Flushing, LLC	**Well No:** MW-37R
Project Location: Flushing Industrial Park, Parcels 1-3		**Sampled By:**	
Date:		**Sampling Time:**	
PID at surface:			
Total Depth:	ft. below top of casing	**Water Column (WC):** feet	*= 0.163 * WC for 2" wells
Depth to Water:	ft. below top of casing	**Well Volume*:** gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ft. below top of casing	**Volume Purged:** gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	7.0 ft. below top of casing	**Well Diam.:** 2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	17.0 ft. below top of casing	**Pump type:** QED Sample Pro Bladder Pump	
Approx. Pump Intake:	ft. below top of casing	**Field Screening Instrument:**	

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
									Blocked by full roll off containers.
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). Purge water transferred to drum #_____.

Well Sampling Log

Job No:	**30141**	**Client:**	**C.E. Flushing, LLC**
Project Location:	**Flushing Industrial Park, Parcels 1-3**	**Sampled By:**	SS
Date:	4/28/2016	**Sampling Time:**	15:00
PID at surface:	**ND**		

Well No: **MW-38R**

Total Depth:	12.40 ft. below top of casing	**Water Column (**	7.69 feet
Depth to Water:	4.71 ft. below top of casing	**Well Volume*:**	1.25 gallons
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	0.75 gallons
Depth to top of screen:	2.4 ft. below top of casing	**Well Diam.:**	2 inches
Depth to bottom of screen:	12.4 ft. below top of casing	**Pump type:**	QED Sample Pro Bladder Pump
Approx. Pump Intake:	9.00 ft. below top of casing	**Field Screening Instrument:**	YSI Pro DSS

*= 0.163 * WC for 2" wells
*= 0.653 * WC for 4" wells
*= 1.469 * WC for 6" wells

Target maximum flow rate is 100 ml/min

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
14:20	4.70	100	13.2	31.633	5.01	7.91	-5.1	142.9	
14:25	4.70	100	12.5	31.378	1.96	6.70	-10.2	113.7	
14:30	4.70	100	11.4	31.200	1.23	6.61	-12.6	82.2	
14:35	4.70	100	11.5	30.482	1.06	6.41	-45.9	70.4	No odor or sheen.
14:40	4.70	100	12.0	29.827	1.26	6.46	-38.7	52.4	
14:45	4.70	100	12.1	29.747	1.16	6.55	-33.1	42.3	
14:50	4.70	100	12.3	29.699	1.11	6.57	-29.4	37.5	
14:55	4.70	100	12.3	29.641	1.05	6.58	-26.8	36.4	
Sampling									
15:05	4.70	100	12.5	29.603	1.10	6.50	-21.7	33.0	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). Purge water transferred to drum # 314.

AKRF

Well Sampling Log

Job No:	**30141**		**Client:**	**C.E. Flushing, LLC**	**Well No:**
Project Location:	**Flushing Industrial Park, Parcels 1-3**		**Sampled By:**	SS	**MW-39R**
Date:	4/28/2016		**Sampling Time:**	13:50	
PID at surface:	**ND**				
Total Depth:	12.84	ft. below top of casing	**Water Column (**	6.70 feet	*= 0.163 * WC for 2" wells
Depth to Water:	6.14	ft. below top of casing	**Well Volume*:**	1.09 gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ND	ft. below top of casing	**Volume Purged:**	0.75 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	5.9	ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	15.2	ft. below top of casing	**Pump type:**	QED Sample Pro Bladder Pump	
Approx. Pump Intake:	10.00	ft. below top of casing	**Field Screening Instrument:**	YSI Pro DSS	

Time	**Depth to Water** (Ft.)	**Purge Rate** (ml/min)	**Temp** (^{o}C)	**Conductivity** (mS/cm)	**DO** (mg/L)	**pH**	**ORP** (mV)	**Turbidity*** (NTU)	**Comments** (problems, odor, sheen)
13:10	6.11	100	15.9	29.970	5.74	7.83	25.6	174.9	
13:15	6.11	100	14.8	30.417	3.43	7.25	-10.4	56.7	
13:20	6.11	100	14.1	30.650	2.09	7.22	-39.9	28.2	No odor or sheen.
13:25	6.11	100	14.2	30.737	1.75	7.18	-49.8	21.6	
13:30	6.11	100	14.3	30.801	1.58	7.12	-58.2	15.4	
13:35	6.11	100	14.2	30.795	1.36	7.07	-65.3	11.1	
13:40	6.11	100	14.2	30.787	1.24	7.04	-71.9	9.7	
13:45	6.11	100	14.2	30.782	1.17	7.03	-74.7	9.2	
Sampling									
14:05	6.11	100	14.2	30.771	1.08	7.00	-78.6	7.3	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). **MS/MSD sample collected at this location, identified as CE-MW-39R and CE-MW-39R-MS and CE-MW-39R-MSD sample containers filled alternately for each.** Purge water transferred to drum # 314.

Well Sampling Log

Job No: 30141		**Client:** C.E. Flushing, LLC	**Well No:** MW-40R2
Project Location: Flushing Industrial Park, Parcels 1-3		**Sampled By:**	
Date:		**Sampling Time:**	
PID at surface:			
Total Depth:	ft. below top of casing	**Water Column (WC):** feet	*= 0.163 * WC for 2" wells
Depth to Water:	ft. below top of casing	**Well Volume*:** gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ft. below top of casing	**Volume Purged:** gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	4.5 ft. below top of casing	**Well Diam.:** 2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	14.5 ft. below top of casing	**Pump type:** QED Sample Pro Bladder Pump	
Approx. Pump Intake:	ft. below top of casing	**Field Screening Instrument:**	

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
									Blocked by multiple shipping containers.
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). Purge water transferred to drum #_____.

Well Sampling Log

Job No:	**30141**	**Client:**	**C.E. Flushing, LLC**
Project Location:	**Flushing Industrial Park, Parcels 1-3**	**Sampled By:**	SS
Date:	4/28/2016	**Sampling Time:**	11:50
PID at surface:	**ND**		

Well No: **MW-41R2**

Total Depth:	13.71 ft. below top of casing	**Water Column (**	7.50 feet
Depth to Water:	6.21 ft. below top of casing	**Well Volume*:**	1.22 gallons
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	0.75 gallons
Depth to top of screen:	6.4 ft. below top of casing	**Well Diam.:**	2 inches
Depth to bottom of screen:	16.4 ft. below top of casing	**Pump type:**	QED Sample Pro Bladder Pump
Approx. Pump Intake:	10.00 ft. below top of casing	**Field Screening Instrument:**	YSI Pro DSS

*= 0.163 * WC for 2" wells
*= 0.653 * WC for 4" wells
*= 1.469 * WC for 6" wells

Target maximum flow rate is 100 ml/min

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
11:10	6.19	100	17.4	6.634	6.17	7.98	-118.6	21.5	
11:15	6.19	100	15.9	6.593	1.26	7.37	-163.4	39.0	
11:20	6.19	100	16.4	6.576	1.03	7.32	-175.0	37.7	
11:25	6.19	100	16.4	6.534	0.95	7.31	-188.4	36.1	No odor or sheen.
11:30	6.19	100	16.1	6.467	0.89	7.32	-199.2	36.3	
11:35	6.19	100	16.0	6.375	0.85	7.29	-208.5	35.0	
11:40	6.19	100	16.0	6.344	0.84	7.28	-212.7	34.1	
11:45	6.19	100	16.1	6.336	0.82	7.29	-217.8	33.7	
Sampling									
11:55	6.19	100	16.1	6.320	0.81	7.30	-220.2	33.0	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). Purge water transferred to drum # 314.

Well Sampling Log

Job No:	**30141**	**Client:**	**C.E. Flushing, LLC**
Project Location:	**Flushing Industrial Park, Parcels 1-3**	**Sampled By:**	SS
Date:	4/28/2016	**Sampling Time:**	10:30
PID at surface:	**ND**		

Well No: **MW-42R**

Total Depth:	12.82 ft. below top of casing	**Water Column (**	6.98 feet	*= 0.163 * WC for 2" wells
Depth to Water:	5.84 ft. below top of casing	**Well Volume*:**	1.14 gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	0.75 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:	7.9 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	17.9 ft. below top of casing	**Pump type:**	QED Sample Pro Bladder Pump	
Approx. Pump Intake:	10.50 ft. below top of casing	**Field Screening Instrument:**	YSI Pro DSS	

Time	**Depth to Water** (Ft.)	**Purge Rate** (ml/min)	**Temp** (^{o}C)	**Conductivity** (mS/cm)	**DO** (mg/L)	**pH**	**ORP** (mV)	**Turbidity*** (NTU)	**Comments** (problems, odor, sheen)
9:50	5.81	100	15.8	7.686	4.73	7.20	-111.8	96.8	
9:55	5.81	100	15.6	7.710	1.14	7.29	-124.7	79.8	
10:00	5.81	100	15.9	7.711	0.99	7.30	-125.4	69.3	
10:05	5.81	100	16.2	7.712	0.91	7.30	-126.9	60.8	No odor or sheen.
10:10	5.81	100	15.7	7.724	0.85	7.31	-127.5	53.5	
10:15	5.81	100	15.8	7.716	0.84	7.28	-128.5	46.9	
10:20	5.81	100	15.9	7.720	0.84	7.27	-128.8	42.6	
10:25	5.81	100	16.1	7.717	0.83	7.28	-129.3	38.3	
Sampling									
10:35	5.81	100	16.0	7.711	0.81	7.28	-129.7	35.4	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). Purge water transferred to drum # 314.

Well Sampling Log

Job No:	**30141**	**Client:**	**C.E. Flushing, LLC**
Project Location:	**Flushing Industrial Park, Parcels 1-3**	**Sampled By:**	SS
Date:	4/28/2016	**Sampling Time:**	9:25
PID at surface:	**ND**		

Well No: **MW-43R3**

Total Depth:	15.07 ft. below top of casing	**Water Column (**	7.99 feet
Depth to Water:	7.08 ft. below top of casing	**Well Volume*:**	1.30 gallons
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	1.00 gallons
Depth to top of screen:	5.0 ft. below top of casing	**Well Diam.:**	2 inches
Depth to bottom of screen:	15.0 ft. below top of casing	**Pump type:**	QED Sample Pro Bladder Pump
Approx. Pump Intake:	11.00 ft. below top of casing	**Field Screening Instrument:**	YSI Pro DSS

*= 0.163 * WC for 2" wells
*= 0.653 * WC for 4" wells
*= 1.469 * WC for 6" wells

Target maximum flow rate is 100 ml/min

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
8:35	7.03	100	14.3	7.452	4.02	6.59	-16.1	607.4	
8:40	7.03	100	14.7	7.666	2.11	6.66	-35.0	298.4	
8:45	7.03	100	14.7	7.261	1.46	6.64	-47.1	173.4	
8:50	7.03	100	14.7	7.040	1.35	6.67	-55.5	124.0	No odor or sheen.
8:55	7.03	100	14.7	6.973	1.22	6.67	-58.4	101.6	
9:00	7.03	100	14.6	6.911	1.15	6.67	-60.8	79.9	
9:05	7.03	100	14.6	6.890	1.12	6.67	-61.3	62.3	
9:10	7.03	100	14.6	6.868	1.110	6.67	-61.9	48.1	
9:15	7.03	100	14.6	6.863	1.09	6.67	-62.6	33.5	
9:20	7.03	100	14.6	6.858	1.08	6.67	-62.9	28.8	
Sampling									
9:30	7.03	100	14.6	6.844	1.02	6.67	-63.5	24.6	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for total PCBs (EPA method 8082). Purge water transferred to drum # 314.

APPENDIX B

LABORATORY ANALYTICAL REPORT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 180-54291-1

Job Description: 30141-0116 CE Flushing Industrial Park

For:
AKRF Inc
440 Park Avenue South
7th Floor
New York, NY 10016

Attention: Ms. Neoma Chefalo

Approved for release.
Shalini Williams
Project Management Assistant II
5/5/2016 11:36 AM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
05/05/2016

cc: Kate Brunner

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

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CASE NARRATIVE

Client: AKRF Inc

Project: 30141-0116 CE Flushing Industrial Park

Report Number: 180-54291-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 4/29/2016 9:00 AM and 4/30/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.6º C, 2.7º C, 3.0º C and 4.1º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

POLYCHLORINATED BIPHENYLS (PCBS)
Samples CE-EB-72-042816 (180-54291-1), MW-28R5_042916 (180-54318-1), CE-MW-43R3-042816 (180-54291-2), MW-28R5A_042916 (180-54318-2), CE-MW-42R-042816 (180-54291-3), MW-30R4_042916 (180-54318-3), CE-MW-41R2-042816 (180-54291-4), MW-31R_042916 (180-54318-4), CE-MW-39R-042816 (180-54291-5), MW-32R_042916 (180-54318-5), CE-MW-38R-042816 (180-54291-6) and MW-34R2_042916 (180-54318-6) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 04/30/2016 and 05/03/2016 and analyzed on 05/02/2016 and 05/04/2016.

Tetrachloro-m-xylene failed the surrogate recovery criteria high for MW-28R5_042916 (180-54318-1).

Refer to the QC report for details.

Sample MW-32R_042916 (180-54318-5)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: AKRF Inc

Job Number: 180-54291-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-54291-1	CE-EB-72-042816	Water	04/28/2016 1040	04/29/2016 0900
180-54291-2	CE-MW-43R3-042816	Water	04/28/2016 0925	04/29/2016 0900
180-54291-3	CE-MW-42R-042816	Water	04/28/2016 1030	04/29/2016 0900
180-54291-4	CE-MW-41R2-042816	Water	04/28/2016 1150	04/29/2016 0900
180-54291-5	CE-MW-39R-042816	Water	04/28/2016 1350	04/29/2016 0900
180-54291-5MS	CE-MW-39R-042816	Water	04/28/2016 1350	04/29/2016 0900
180-54291-5MSD	CE-MW-39R-042816	Water	04/28/2016 1350	04/29/2016 0900
180-54291-6	CE-MW-38R-042816	Water	04/28/2016 1500	04/29/2016 0900
180-54318-1	MW-28R5_042916	Water	04/29/2016 1435	04/30/2016 0930
180-54318-2	MW-28R5A_042916	Water	04/29/2016 1435	04/30/2016 0930
180-54318-3	MW-30R4_042916	Water	04/29/2016 1330	04/30/2016 0930
180-54318-4	MW-31R_042916	Water	04/29/2016 1155	04/30/2016 0930
180-54318-5	MW-32R_042916	Water	04/29/2016 1110	04/30/2016 0930
180-54318-6	MW-34R2_042916	Water	04/29/2016 1010	04/30/2016 0930

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc Job Number: 180-54291-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-54291-1	**CE-EB-72-042816**					
Arochlor 1248		0.017		0.010	ug/L	8082A
180-54291-5	**CE-MW-39R-042816**					
Arochlor 1260		0.0065	J	0.011	ug/L	8082A
180-54291-6	**CE-MW-38R-042816**					
Arochlor 1260		0.0071	J	0.011	ug/L	8082A
180-54318-1	**MW-28R5_042916**					
Arochlor 1260		0.019	p	0.011	ug/L	8082A
180-54318-2	**MW-28R5A_042916**					
Arochlor 1260		0.011	p	0.010	ug/L	8082A
180-54318-3	**MW-30R4_042916**					
Arochlor 1260		0.022		0.010	ug/L	8082A
180-54318-4	**MW-31R_042916**					
Arochlor 1260		0.046		0.010	ug/L	8082A
180-54318-5	**MW-32R_042916**					
Arochlor 1254		5.3		0.10	ug/L	8082A
Arochlor 1260		7.4		0.10	ug/L	8082A
180-54318-6	**MW-34R2_042916**					
Arochlor 1260		0.022		0.010	ug/L	8082A

METHOD SUMMARY

Client: AKRF Inc

Job Number: 180-54291-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Polychlorinated Biphenyls (PCBs) (GC)	TAL PIT	SW846 8082A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AKRF Inc

Job Number: 180-54291-1

Method	Analyst	Analyst ID
SW846 8082A	Oravec, John	JMO

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **CE-EB-72-042816**

Lab Sample ID: 180-54291-1
Client Matrix: Water

Date Sampled: 04/28/2016 1040
Date Received: 04/29/2016 0900

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-174909	Initial Weight/Volume:	970 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/02/2016 1547			Injection Volume:	1 uL
Prep Date:	04/30/2016 0835			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arochlor 1016	0.0038	U	0.0038	0.010
Arochlor 1221	0.0060	U	0.0060	0.010
Arochlor 1232	0.0062	U	0.0062	0.010
Arochlor 1242	0.0035	U	0.0035	0.010
Arochlor 1248	0.017		0.0033	0.010
Arochlor 1254	0.0046	U	0.0046	0.010
Arochlor 1260	0.0030	U	0.0030	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	99		43 - 138
Tetrachloro-m-xylene	97		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **CE-EB-72-042816**

Lab Sample ID: 180-54291-1
Client Matrix: Water

Date Sampled: 04/28/2016 1040
Date Received: 04/29/2016 0900

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-174909	Initial Weight/Volume:	970 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/02/2016 1547			Injection Volume:	1 uL
Prep Date:	04/30/2016 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	93		43 - 138
Tetrachloro-m-xylene	92		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **CE-MW-43R3-042816**

Lab Sample ID: 180-54291-2
Client Matrix: Water

Date Sampled: 04/28/2016 0925
Date Received: 04/29/2016 0900

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-174909	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/02/2016 1606			Injection Volume:	1 uL
Prep Date:	04/30/2016 0835			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arochlor 1016	0.0037	U	0.0037	0.010
Arochlor 1221	0.0060	U	0.0060	0.010
Arochlor 1232	0.0062	U	0.0062	0.010
Arochlor 1242	0.0034	U	0.0034	0.010
Arochlor 1248	0.0033	U	0.0033	0.010
Arochlor 1254	0.0045	U	0.0045	0.010
Arochlor 1260	0.0029	U	0.0029	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	75		43 - 138
Tetrachloro-m-xylene	93		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **CE-MW-43R3-042816**

Lab Sample ID: 180-54291-2
Client Matrix: Water

Date Sampled: 04/28/2016 0925
Date Received: 04/29/2016 0900

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-174909	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/02/2016 1606			Injection Volume:	1 uL
Prep Date:	04/30/2016 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	71		43 - 138
Tetrachloro-m-xylene	90		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **CE-MW-42R-042816**

Lab Sample ID: 180-54291-3
Client Matrix: Water

Date Sampled: 04/28/2016 1030
Date Received: 04/29/2016 0900

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-174909	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/02/2016 1625			Injection Volume:	1 uL
Prep Date:	04/30/2016 0835			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arochlor 1016	0.0039	U	0.0039	0.011
Arochlor 1221	0.0062	U	0.0062	0.011
Arochlor 1232	0.0064	U	0.0064	0.011
Arochlor 1242	0.0035	U	0.0035	0.011
Arochlor 1248	0.0034	U	0.0034	0.011
Arochlor 1254	0.0047	U	0.0047	0.011
Arochlor 1260	0.0030	U	0.0030	0.011

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	126		43 - 138
Tetrachloro-m-xylene	88		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **CE-MW-42R-042816**

Lab Sample ID: 180-54291-3
Client Matrix: Water

Date Sampled: 04/28/2016 1030
Date Received: 04/29/2016 0900

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-174909	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/02/2016 1625			Injection Volume:	1 uL
Prep Date:	04/30/2016 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	121		43 - 138
Tetrachloro-m-xylene	85		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **CE-MW-41R2-042816**

Lab Sample ID: 180-54291-4
Client Matrix: Water

Date Sampled: 04/28/2016 1150
Date Received: 04/29/2016 0900

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-174909	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/02/2016 1643			Injection Volume:	1 uL
Prep Date:	04/30/2016 0835			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arochlor 1016	0.0039	U	0.0039	0.011
Arochlor 1221	0.0062	U	0.0062	0.011
Arochlor 1232	0.0064	U	0.0064	0.011
Arochlor 1242	0.0035	U	0.0035	0.011
Arochlor 1248	0.0034	U	0.0034	0.011
Arochlor 1254	0.0047	U	0.0047	0.011
Arochlor 1260	0.0030	U	0.0030	0.011

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	71		43 - 138
Tetrachloro-m-xylene	86		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **CE-MW-41R2-042816**

Lab Sample ID: 180-54291-4
Client Matrix: Water

Date Sampled: 04/28/2016 1150
Date Received: 04/29/2016 0900

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-174909	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/02/2016 1643			Injection Volume:	1 uL
Prep Date:	04/30/2016 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	69		43 - 138
Tetrachloro-m-xylene	80		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **CE-MW-39R-042816**

Lab Sample ID: 180-54291-5
Client Matrix: Water

Date Sampled: 04/28/2016 1350
Date Received: 04/29/2016 0900

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-174909	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/02/2016 1702			Injection Volume:	1 uL
Prep Date:	04/30/2016 0835			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arochlor 1016	0.0039	U	0.0039	0.011
Arochlor 1221	0.0062	U	0.0062	0.011
Arochlor 1232	0.0064	U	0.0064	0.011
Arochlor 1242	0.0035	U	0.0035	0.011
Arochlor 1248	0.0034	U	0.0034	0.011
Arochlor 1254	0.0047	U	0.0047	0.011
Arochlor 1260	0.0065	J	0.0030	0.011

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	93		43 - 138
Tetrachloro-m-xylene	98		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **CE-MW-39R-042816**

Lab Sample ID: 180-54291-5
Client Matrix: Water

Date Sampled: 04/28/2016 1350
Date Received: 04/29/2016 0900

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-174909	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/02/2016 1702			Injection Volume:	1 uL
Prep Date:	04/30/2016 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	87		43 - 138
Tetrachloro-m-xylene	96		34 - 137

Client Sample ID: **CE-MW-38R-042816**

Lab Sample ID: 180-54291-6 Date Sampled: 04/28/2016 1500
Client Matrix: Water Date Received: 04/29/2016 0900

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-174909	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/02/2016 1759			Injection Volume:	1 uL
Prep Date:	04/30/2016 0835			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arochlor 1016	0.0039	U	0.0039	0.011
Arochlor 1221	0.0062	U	0.0062	0.011
Arochlor 1232	0.0064	U	0.0064	0.011
Arochlor 1242	0.0035	U	0.0035	0.011
Arochlor 1248	0.0034	U	0.0034	0.011
Arochlor 1254	0.0047	U	0.0047	0.011
Arochlor 1260	0.0071	J	0.0030	0.011

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		43 - 138
Tetrachloro-m-xylene	99		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **CE-MW-38R-042816**

Lab Sample ID: 180-54291-6
Client Matrix: Water

Date Sampled: 04/28/2016 1500
Date Received: 04/29/2016 0900

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-174909	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/02/2016 1759			Injection Volume:	1 uL
Prep Date:	04/30/2016 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	73		43 - 138
Tetrachloro-m-xylene	93		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **MW-28R5_042916**

Lab Sample ID: 180-54318-1
Client Matrix: Water

Date Sampled: 04/29/2016 1435
Date Received: 04/30/2016 0930

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-175171	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/04/2016 1011			Injection Volume:	1 uL
Prep Date:	05/03/2016 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arochlor 1016	0.0039	U	0.0039	0.011
Arochlor 1221	0.0062	U	0.0062	0.011
Arochlor 1232	0.0064	U	0.0064	0.011
Arochlor 1242	0.0035	U	0.0035	0.011
Arochlor 1248	0.0034	U	0.0034	0.011
Arochlor 1254	0.0047	U	0.0047	0.011
Arochlor 1260	0.019	p	0.0030	0.011

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	96		43 - 138
Tetrachloro-m-xylene	167	*	34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **MW-28R5_042916**

Lab Sample ID: 180-54318-1
Client Matrix: Water

Date Sampled: 04/29/2016 1435
Date Received: 04/30/2016 0930

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-175171	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/04/2016 1011			Injection Volume:	1 uL
Prep Date:	05/03/2016 1330			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	92		43 - 138
Tetrachloro-m-xylene	123		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **MW-28R5A_042916**

Lab Sample ID: 180-54318-2
Client Matrix: Water

Date Sampled: 04/29/2016 1435
Date Received: 04/30/2016 0930

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-175171	Initial Weight/Volume:	970 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/04/2016 1029			Injection Volume:	1 uL
Prep Date:	05/03/2016 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arochlor 1016	0.0038	U	0.0038	0.010
Arochlor 1221	0.0060	U	0.0060	0.010
Arochlor 1232	0.0062	U	0.0062	0.010
Arochlor 1242	0.0035	U	0.0035	0.010
Arochlor 1248	0.0033	U	0.0033	0.010
Arochlor 1254	0.0046	U	0.0046	0.010
Arochlor 1260	0.011	p	0.0030	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	85		43 - 138
Tetrachloro-m-xylene	98		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **MW-28R5A_042916**

Lab Sample ID: 180-54318-2
Client Matrix: Water

Date Sampled: 04/29/2016 1435
Date Received: 04/30/2016 0930

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-175171	Initial Weight/Volume:	970 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/04/2016 1029			Injection Volume:	1 uL
Prep Date:	05/03/2016 1330			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	76		43 - 138
Tetrachloro-m-xylene	76		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **MW-30R4_042916**

Lab Sample ID: 180-54318-3
Client Matrix: Water

Date Sampled: 04/29/2016 1330
Date Received: 04/30/2016 0930

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-175171	Initial Weight/Volume:	960 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/04/2016 1235			Injection Volume:	1 uL
Prep Date:	05/03/2016 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arochlor 1016	0.0038	U	0.0038	0.010
Arochlor 1221	0.0061	U	0.0061	0.010
Arochlor 1232	0.0063	U	0.0063	0.010
Arochlor 1242	0.0035	U	0.0035	0.010
Arochlor 1248	0.0033	U	0.0033	0.010
Arochlor 1254	0.0046	U	0.0046	0.010
Arochlor 1260	0.022		0.0030	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	109		43 - 138
Tetrachloro-m-xylene	120		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **MW-30R4_042916**

Lab Sample ID: 180-54318-3
Client Matrix: Water

Date Sampled: 04/29/2016 1330
Date Received: 04/30/2016 0930

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-175171	Initial Weight/Volume:	960 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/04/2016 1235			Injection Volume:	1 uL
Prep Date:	05/03/2016 1330			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	100		43 - 138
Tetrachloro-m-xylene	98		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **MW-31R_042916**

Lab Sample ID: 180-54318-4
Client Matrix: Water

Date Sampled: 04/29/2016 1155
Date Received: 04/30/2016 0930

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-175171	Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/04/2016 1104			Injection Volume:	1 uL
Prep Date:	05/03/2016 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arochlor 1016	0.0037	U	0.0037	0.010
Arochlor 1221	0.0059	U	0.0059	0.010
Arochlor 1232	0.0061	U	0.0061	0.010
Arochlor 1242	0.0034	U	0.0034	0.010
Arochlor 1248	0.0032	U	0.0032	0.010
Arochlor 1254	0.0045	U	0.0045	0.010
Arochlor 1260	0.046		0.0029	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	96		43 - 138
Tetrachloro-m-xylene	90		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **MW-31R_042916**

Lab Sample ID: 180-54318-4
Client Matrix: Water

Date Sampled: 04/29/2016 1155
Date Received: 04/30/2016 0930

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-175171	Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/04/2016 1104			Injection Volume:	1 uL
Prep Date:	05/03/2016 1330			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	90		43 - 138
Tetrachloro-m-xylene	87		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **MW-32R_042916**

Lab Sample ID: 180-54318-5
Client Matrix: Water

Date Sampled: 04/29/2016 1110
Date Received: 04/30/2016 0930

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-175171	Initial Weight/Volume:	960 mL
Dilution:	10			Final Weight/Volume:	1.0 mL
Analysis Date:	05/04/2016 1254			Injection Volume:	1 uL
Prep Date:	05/03/2016 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arochlor 1016	0.038	U	0.038	0.10
Arochlor 1221	0.061	U	0.061	0.10
Arochlor 1232	0.063	U	0.063	0.10
Arochlor 1242	0.035	U	0.035	0.10
Arochlor 1248	0.033	U	0.033	0.10
Arochlor 1254	5.3		0.046	0.10
Arochlor 1260	7.4		0.030	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	115		43 - 138
Tetrachloro-m-xylene	92		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **MW-32R_042916**

Lab Sample ID: 180-54318-5
Client Matrix: Water

Date Sampled: 04/29/2016 1110
Date Received: 04/30/2016 0930

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-175171	Initial Weight/Volume:	960 mL
Dilution:	10			Final Weight/Volume:	1.0 mL
Analysis Date:	05/04/2016 1254			Injection Volume:	1 uL
Prep Date:	05/03/2016 1330			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	105		43 - 138
Tetrachloro-m-xylene	90		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **MW-34R2_042916**

Lab Sample ID: 180-54318-6
Client Matrix: Water

Date Sampled: 04/29/2016 1010
Date Received: 04/30/2016 0930

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-175171	Initial Weight/Volume:	960 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/04/2016 1140			Injection Volume:	1 uL
Prep Date:	05/03/2016 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arochlor 1016	0.0038	U	0.0038	0.010
Arochlor 1221	0.0061	U	0.0061	0.010
Arochlor 1232	0.0063	U	0.0063	0.010
Arochlor 1242	0.0035	U	0.0035	0.010
Arochlor 1248	0.0033	U	0.0033	0.010
Arochlor 1254	0.0046	U	0.0046	0.010
Arochlor 1260	0.022		0.0030	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	101		43 - 138
Tetrachloro-m-xylene	124		34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Client Sample ID: **MW-34R2_042916**

Lab Sample ID: 180-54318-6
Client Matrix: Water

Date Sampled: 04/29/2016 1010
Date Received: 04/30/2016 0930

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Prep Method:	3510C	Prep Batch:	180-175171	Initial Weight/Volume:	960 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	05/04/2016 1140			Injection Volume:	1 uL
Prep Date:	05/03/2016 1330			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	89		43 - 138
Tetrachloro-m-xylene	83		34 - 137

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
180-54291-1	CE-EB-72-042816	97	92	99	93
180-54291-2	CE-MW-43R3-042816	93	90	75	71
180-54291-3	CE-MW-42R-042816	88	85	126	121
180-54291-4	CE-MW-41R2-042816	86	80	71	69
180-54291-5	CE-MW-39R-042816	98	96	93	87
180-54291-6	CE-MW-38R-042816	99	93	78	73
180-54318-1	MW-28R5_042916	123	167*	96	92
180-54318-2	MW-28R5A_042916	76	98	85	76
180-54318-3	MW-30R4_042916	120	98	109	100
180-54318-4	MW-31R_042916	90	87	96	90
180-54318-5	MW-32R_042916	92	90	115	105
180-54318-6	MW-34R2_042916	124	83	101	89
MB 180-174909/1-A		106	105	108	100
MB 180-175171/1-A		106	105	98	92
LCS 180-174909/2-A		111	109	102	97
LCS 180-175171/2-A		98	94	98	91
180-54291-5 MS	CE-MW-39R-042816 MS	104	100	91	84
180-54291-5 MSD	CE-MW-39R-042816 MSD	96	92	108	99

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	34-137
DCB = DCB Decachlorobiphenyl (Surr)	43-138

Method Blank - Batch: 180-174909

Method: 8082A
Preparation: 3510C

Lab Sample ID:	MB 180-174909/1-A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Client Matrix:	Water	Prep Batch:	180-174909	Lab File ID:	S0502026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/02/2016 1528	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	04/30/2016 0835			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Arochlor 1016	0.0037	U	0.0037	0.010
Arochlor 1221	0.0059	U	0.0059	0.010
Arochlor 1232	0.0060	U	0.0060	0.010
Arochlor 1242	0.0034	U	0.0034	0.010
Arochlor 1248	0.0032	U	0.0032	0.010
Arochlor 1254	0.0044	U	0.0044	0.010
Arochlor 1260	0.0029	U	0.0029	0.010

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	108	43 - 138
Tetrachloro-m-xylene	106	34 - 137

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	100	43 - 138
Tetrachloro-m-xylene	105	34 - 137

Lab Control Sample - Batch: 180-174909

Method: 8082A
Preparation: 3510C

Lab Sample ID:	LCS 180-174909/2-A	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Client Matrix:	Water	Prep Batch:	180-174909	Lab File ID:	S0502035.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/02/2016 1818	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	04/30/2016 0835			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arochlor 1016	1.00	0.981	98	55 - 120	
Arochlor 1260	1.00	0.967	97	55 - 120	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	102	43 - 138
Tetrachloro-m-xylene	111	34 - 137

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	97	43 - 138
Tetrachloro-m-xylene	109	34 - 137

Client: AKRF Inc

Job Number: 180-54291-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-174909

Method: 8082A
Preparation: 3510C

MS Lab Sample ID:	180-54291-5	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Client Matrix:	Water	Prep Batch:	180-174909	Lab File ID:	S0502032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	950 mL
Analysis Date:	05/02/2016 1721			Final Weight/Volume:	1.0 mL
Prep Date:	04/30/2016 0835			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	180-54291-5	Analysis Batch:	180-174947	Instrument ID:	CHGC10
Client Matrix:	Water	Prep Batch:	180-174909	Lab File ID:	S0502033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	950 mL
Analysis Date:	05/02/2016 1740			Final Weight/Volume:	1.0 mL
Prep Date:	04/30/2016 0835			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arochlor 1016	82	82	55 - 120	0	25		
Arochlor 1260	79	93	55 - 120	16	25		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	91	108	43 - 138
Tetrachloro-m-xylene	104	96	34 - 137

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	84	99	43 - 138
Tetrachloro-m-xylene	100	92	34 - 137

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-174909

Method: 8082A
Preparation: 3510C

MS Lab Sample ID:	180-54291-5	Units:	ug/L	MSD Lab Sample ID:	180-54291-5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/02/2016 1721			Analysis Date:	05/02/2016 1740
Prep Date:	04/30/2016 0835			Prep Date:	04/30/2016 0835
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arochlor 1016	0.0039	U	1.05	1.05	0.864	0.866
Arochlor 1260	0.0065	J	1.05	1.05	0.837	0.982

Method Blank - Batch: 180-175171

Method: 8082A
Preparation: 3510C

Lab Sample ID:	MB 180-175171/1-A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Client Matrix:	Water	Prep Batch:	180-175171	Lab File ID:	S0504010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/04/2016 0800	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	05/03/2016 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Arochlor 1016	0.0037	U	0.0037	0.010
Arochlor 1221	0.0059	U	0.0059	0.010
Arochlor 1232	0.0060	U	0.0060	0.010
Arochlor 1242	0.0034	U	0.0034	0.010
Arochlor 1248	0.0032	U	0.0032	0.010
Arochlor 1254	0.0044	U	0.0044	0.010
Arochlor 1260	0.0029	U	0.0029	0.010

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	98	43 - 138
Tetrachloro-m-xylene	106	34 - 137

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	92	43 - 138
Tetrachloro-m-xylene	105	34 - 137

Lab Control Sample - Batch: 180-175171

Method: 8082A
Preparation: 3510C

Lab Sample ID:	LCS 180-175171/2-A	Analysis Batch:	180-175185	Instrument ID:	CHGC10
Client Matrix:	Water	Prep Batch:	180-175171	Lab File ID:	S0504024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/04/2016 1216	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	05/03/2016 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arochlor 1016	1.00	0.957	96	55 - 120	
Arochlor 1260	1.00	0.979	98	55 - 120	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	98	43 - 138
Tetrachloro-m-xylene	98	34 - 137

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	91	43 - 138
Tetrachloro-m-xylene	94	34 - 137

DATA REPORTING QUALIFIERS

Client: AKRF Inc Job Number: 180-54291-1

Lab Section	Qualifier	Description
GC Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	Surrogate is outside acceptance limits.
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Client: AKRF Inc

Job Number: 180-54291-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 180-174909					
LCS 180-174909/2-A	Lab Control Sample	T	Water	3510C	
MB 180-174909/1-A	Method Blank	T	Water	3510C	
180-54291-1	CE-EB-72-042816	T	Water	3510C	
180-54291-2	CE-MW-43R3-042816	T	Water	3510C	
180-54291-3	CE-MW-42R-042816	T	Water	3510C	
180-54291-4	CE-MW-41R2-042816	T	Water	3510C	
180-54291-5	CE-MW-39R-042816	T	Water	3510C	
180-54291-5MS	Matrix Spike	T	Water	3510C	
180-54291-5MSD	Matrix Spike Duplicate	T	Water	3510C	
180-54291-6	CE-MW-38R-042816	T	Water	3510C	
Analysis Batch:180-174947					
LCS 180-174909/2-A	Lab Control Sample	T	Water	8082A	180-174909
MB 180-174909/1-A	Method Blank	T	Water	8082A	180-174909
180-54291-1	CE-EB-72-042816	T	Water	8082A	180-174909
180-54291-2	CE-MW-43R3-042816	T	Water	8082A	180-174909
180-54291-3	CE-MW-42R-042816	T	Water	8082A	180-174909
180-54291-4	CE-MW-41R2-042816	T	Water	8082A	180-174909
180-54291-5	CE-MW-39R-042816	T	Water	8082A	180-174909
180-54291-5MS	Matrix Spike	T	Water	8082A	180-174909
180-54291-5MSD	Matrix Spike Duplicate	T	Water	8082A	180-174909
180-54291-6	CE-MW-38R-042816	T	Water	8082A	180-174909
Prep Batch: 180-175171					
LCS 180-175171/2-A	Lab Control Sample	T	Water	3510C	
MB 180-175171/1-A	Method Blank	T	Water	3510C	
180-54318-1	MW-28R5_042916	T	Water	3510C	
180-54318-2	MW-28R5A_042916	T	Water	3510C	
180-54318-3	MW-30R4_042916	T	Water	3510C	
180-54318-4	MW-31R_042916	T	Water	3510C	
180-54318-5	MW-32R_042916	T	Water	3510C	
180-54318-6	MW-34R2_042916	T	Water	3510C	
Analysis Batch:180-175185					
LCS 180-175171/2-A	Lab Control Sample	T	Water	8082A	180-175171
MB 180-175171/1-A	Method Blank	T	Water	8082A	180-175171
180-54318-1	MW-28R5_042916	T	Water	8082A	180-175171
180-54318-2	MW-28R5A_042916	T	Water	8082A	180-175171
180-54318-3	MW-30R4_042916	T	Water	8082A	180-175171
180-54318-4	MW-31R_042916	T	Water	8082A	180-175171
180-54318-5	MW-32R_042916	T	Water	8082A	180-175171
180-54318-6	MW-34R2_042916	T	Water	8082A	180-175171

Client: AKRF Inc

Job Number: 180-54291-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: AKRF Inc Job Number: 180-54291-1

Laboratory Chronicle

Lab ID: 180-54291-1 **Client ID: CE-EB-72-042816**

Sample Date/Time: 04/28/2016 10:40 Received Date/Time: 04/29/2016 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54291-B-1-A		180-174947	180-174909	04/30/2016 08:35	1	TAL PIT	CBY
A:8082A	180-54291-B-1-A		180-174947	180-174909	05/02/2016 15:47	1	TAL PIT	JMO

Lab ID: 180-54291-2 **Client ID: CE-MW-43R3-042816**

Sample Date/Time: 04/28/2016 09:25 Received Date/Time: 04/29/2016 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54291-A-2-A		180-174947	180-174909	04/30/2016 08:35	1	TAL PIT	CBY
A:8082A	180-54291-A-2-A		180-174947	180-174909	05/02/2016 16:06	1	TAL PIT	JMO

Lab ID: 180-54291-3 **Client ID: CE-MW-42R-042816**

Sample Date/Time: 04/28/2016 10:30 Received Date/Time: 04/29/2016 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54291-A-3-A		180-174947	180-174909	04/30/2016 08:35	1	TAL PIT	CBY
A:8082A	180-54291-A-3-A		180-174947	180-174909	05/02/2016 16:25	1	TAL PIT	JMO

Lab ID: 180-54291-4 **Client ID: CE-MW-41R2-042816**

Sample Date/Time: 04/28/2016 11:50 Received Date/Time: 04/29/2016 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54291-A-4-A		180-174947	180-174909	04/30/2016 08:35	1	TAL PIT	CBY
A:8082A	180-54291-A-4-A		180-174947	180-174909	05/02/2016 16:43	1	TAL PIT	JMO

Lab ID: 180-54291-5 **Client ID: CE-MW-39R-042816**

Sample Date/Time: 04/28/2016 13:50 Received Date/Time: 04/29/2016 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54291-A-5-A		180-174947	180-174909	04/30/2016 08:35	1	TAL PIT	CBY
A:8082A	180-54291-A-5-A		180-174947	180-174909	05/02/2016 17:02	1	TAL PIT	JMO

Lab ID: 180-54291-5 **Client ID: CE-MW-39R-042816**

Sample Date/Time: 04/28/2016 13:50 Received Date/Time: 04/29/2016 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54291-A-5-B MS		180-174947	180-174909	04/30/2016 08:35	1	TAL PIT	CBY
A:8082A	180-54291-A-5-B MS		180-174947	180-174909	05/02/2016 17:21	1	TAL PIT	JMO

Client: AKRF Inc Job Number: 180-54291-1

Laboratory Chronicle

Lab ID: 180-54291-5 **Client ID: CE-MW-39R-042816**

Sample Date/Time: 04/28/2016 13:50 Received Date/Time: 04/29/2016 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54291-A-5-C MSD		180-174947	180-174909	04/30/2016 08:35	1	TAL PIT	CBY
A:8082A	180-54291-A-5-C MSD		180-174947	180-174909	05/02/2016 17:40	1	TAL PIT	JMO

Lab ID: 180-54291-6 **Client ID: CE-MW-38R-042816**

Sample Date/Time: 04/28/2016 15:00 Received Date/Time: 04/29/2016 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54291-A-6-A		180-174947	180-174909	04/30/2016 08:35	1	TAL PIT	CBY
A:8082A	180-54291-A-6-A		180-174947	180-174909	05/02/2016 17:59	1	TAL PIT	JMO

Lab ID: 180-54318-1 **Client ID: MW-28R5_042916**

Sample Date/Time: 04/29/2016 14:35 Received Date/Time: 04/30/2016 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54318-A-1-A		180-175185	180-175171	05/03/2016 13:30	1	TAL PIT	CBY
A:8082A	180-54318-A-1-A		180-175185	180-175171	05/04/2016 10:11	1	TAL PIT	JMO

Lab ID: 180-54318-2 **Client ID: MW-28R5A_042916**

Sample Date/Time: 04/29/2016 14:35 Received Date/Time: 04/30/2016 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54318-A-2-A		180-175185	180-175171	05/03/2016 13:30	1	TAL PIT	CBY
A:8082A	180-54318-A-2-A		180-175185	180-175171	05/04/2016 10:29	1	TAL PIT	JMO

Lab ID: 180-54318-3 **Client ID: MW-30R4_042916**

Sample Date/Time: 04/29/2016 13:30 Received Date/Time: 04/30/2016 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54318-A-3-A		180-175185	180-175171	05/03/2016 13:30	1	TAL PIT	CBY
A:8082A	180-54318-A-3-A		180-175185	180-175171	05/04/2016 12:35	1	TAL PIT	JMO

Lab ID: 180-54318-4 **Client ID: MW-31R_042916**

Sample Date/Time: 04/29/2016 11:55 Received Date/Time: 04/30/2016 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54318-A-4-A		180-175185	180-175171	05/03/2016 13:30	1	TAL PIT	CBY
A:8082A	180-54318-A-4-A		180-175185	180-175171	05/04/2016 11:04	1	TAL PIT	JMO

Client: AKRF Inc Job Number: 180-54291-1

Laboratory Chronicle

Lab ID: 180-54318-5 **Client ID: MW-32R_042916**

Sample Date/Time: 04/29/2016 11:10 Received Date/Time: 04/30/2016 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54318-A-5-A		180-175185	180-175171	05/03/2016 13:30	10	TAL PIT	CBY
A:8082A	180-54318-A-5-A		180-175185	180-175171	05/04/2016 12:54	10	TAL PIT	JMO

Lab ID: 180-54318-6 **Client ID: MW-34R2_042916**

Sample Date/Time: 04/29/2016 10:10 Received Date/Time: 04/30/2016 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	180-54318-A-6-A		180-175185	180-175171	05/03/2016 13:30	1	TAL PIT	CBY
A:8082A	180-54318-A-6-A		180-175185	180-175171	05/04/2016 11:40	1	TAL PIT	JMO

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	MB 180-174909/1-A		180-174947	180-174909	04/30/2016 08:35	1	TAL PIT	CBY
A:8082A	MB 180-174909/1-A		180-174947	180-174909	05/02/2016 15:28	1	TAL PIT	JMO
P:3510C	MB 180-175171/1-A		180-175185	180-175171	05/03/2016 13:30	1	TAL PIT	CBY
A:8082A	MB 180-175171/1-A		180-175185	180-175171	05/04/2016 08:00	1	TAL PIT	JMO

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LCS 180-174909/2-A		180-174947	180-174909	04/30/2016 08:35	1	TAL PIT	CBY
A:8082A	LCS 180-174909/2-A		180-174947	180-174909	05/02/2016 18:18	1	TAL PIT	JMO
P:3510C	LCS 180-175171/2-A		180-175185	180-175171	05/03/2016 13:30	1	TAL PIT	CBY
A:8082A	LCS 180-175171/2-A		180-175185	180-175171	05/04/2016 12:16	1	TAL PIT	JMO

Lab References:
TAL PIT = TestAmerica Pittsburgh

Method 8082A Low Level

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A Low Level

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
CE-EB-72-042816	180-54291-1	97	92	99	93
CE-MW-43R3-042816	180-54291-2	93	90	75	71
CE-MW-42R-042816	180-54291-3	88	85	126	121
CE-MW-41R2-042816	180-54291-4	86	80	71	69
CE-MW-39R-042816	180-54291-5	98	96	93	87
CE-MW-38R-042816	180-54291-6	99	93	78	73
MW-28R5_042916	180-54318-1	123	167 *	96	92
MW-28R5A_042916	180-54318-2	76	98	85	76
MW-30R4_042916	180-54318-3	120	98	109	100
MW-31R_042916	180-54318-4	90	87	96	90
MW-32R_042916	180-54318-5	92	90	115	105
MW-34R2_042916	180-54318-6	124	83	101	89
	MB 180-174909/1-A	106	105	108	100
	MB 180-175171/1-A	106	105	98	92
	LCS 180-174909/2-A	111	109	102	97
	LCS 180-175171/2-A	98	94	98	91
CE-MW-39R-042816 MS	180-54291-5 MS	104	100	91	84
CE-MW-39R-042816 MSD	180-54291-5 MSD	96	92	108	99

	QC LIMITS
TCX = Tetrachloro-m-xylene	34-137
DCB = DCB Decachlorobiphenyl (Surr)	43-138

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S0502035.D

Lab ID: LCS 180-174909/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Arochlor 1016	1.00	0.981	98	55-120	
Arochlor 1260	1.00	0.967	97	55-120	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S0504024.D

Lab ID: LCS 180-175171/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Arochlor 1016	1.00	0.957	96	55-120	
Arochlor 1260	1.00	0.979	98	55-120	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S0502032.D

Lab ID: 180-54291-5 MS Client ID: CE-MW-39R-042816 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Arochlor 1016	1.05	0.0039 U	0.864	82	55-120	
Arochlor 1260	1.05	0.0065 J	0.837	79	55-120	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S0502033.D

Lab ID: 180-54291-5 MSD Client ID: CE-MW-39R-042816 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Arochlor 1016	1.05	0.866	82	0	25	55-120	
Arochlor 1260	1.05	0.982	93	16	25	55-120	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Lab Sample ID: MB 180-174909/1-A

Matrix: Water Date Extracted: 04/30/2016 08:35

Lab File ID:(1) S0502026.D Lab File ID:(2) S0502026.D

Date Analyzed:(1) 05/02/2016 15:28 Date Analyzed:(2) 05/02/2016 15:28

Instrument ID:(1) CHGC10 Instrument ID:(2) CHGC10

GC Column:(1) RTX-CLP1 ID: 0.53(mm) GC Column:(2) RTX-CLP2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
CE-EB-72-042816	180-54291-1	05/02/2016 15:47	05/02/2016 15:47
CE-MW-43R3-042816	180-54291-2	05/02/2016 16:06	05/02/2016 16:06
CE-MW-42R-042816	180-54291-3	05/02/2016 16:25	05/02/2016 16:25
CE-MW-41R2-042816	180-54291-4	05/02/2016 16:43	05/02/2016 16:43
CE-MW-39R-042816	180-54291-5	05/02/2016 17:02	05/02/2016 17:02
CE-MW-39R-042816 MS	180-54291-5 MS	05/02/2016 17:21	05/02/2016 17:21
CE-MW-39R-042816 MSD	180-54291-5 MSD	05/02/2016 17:40	05/02/2016 17:40
CE-MW-38R-042816	180-54291-6	05/02/2016 17:59	05/02/2016 17:59
	LCS 180-174909/2-A	05/02/2016 18:18	05/02/2016 18:18

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Lab Sample ID: MB 180-175171/1-A

Matrix: Water Date Extracted: 05/03/2016 13:30

Lab File ID:(1) S0504010.D Lab File ID:(2) S0504010.D

Date Analyzed:(1) 05/04/2016 08:00 Date Analyzed:(2) 05/04/2016 08:00

Instrument ID:(1) CHGC10 Instrument ID:(2) CHGC10

GC Column:(1) RTX-CLP1 ID: 0.53(mm) GC Column:(2) RTX-CLP2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
MW-28R5_042916	180-54318-1	05/04/2016 10:11	05/04/2016 10:11
MW-28R5A_042916	180-54318-2	05/04/2016 10:29	05/04/2016 10:29
MW-31R_042916	180-54318-4	05/04/2016 11:04	05/04/2016 11:04
MW-34R2_042916	180-54318-6	05/04/2016 11:40	05/04/2016 11:40
	LCS 180-175171/2-A	05/04/2016 12:16	05/04/2016 12:16
MW-30R4_042916	180-54318-3	05/04/2016 12:35	05/04/2016 12:35
MW-32R_042916	180-54318-5	05/04/2016 12:54	05/04/2016 12:54

FORM VIII
PCBS INTERNAL STANDARD HEIGHT AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Sample No.: CCVIS 180-174947/25 Date Analyzed: 05/02/2016 15:09

Instrument ID: CHGC10 GC Column: RTX-CLP1 ID: 0.53(mm)

Lab File ID (Standard): S0502025.D Heated Purge: (Y/N) N

Calibration ID: 30274

		BNB					
		HEIGHT #	RT #	HEIGHT #	RT #	HEIGHT #	RT #
12/24 HOUR STD		90166536	2.70				
UPPER LIMIT		180333072	2.73				
LOWER LIMIT		45083268	2.67				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-174909/1-A		89519254	2.70				
180-54291-1	CE-EB-72-042816	93933165	2.70				
180-54291-2	CE-MW-43R3-042816	125182324	2.70				
180-54291-3	CE-MW-42R-042816	101096964	2.70				
180-54291-4	CE-MW-41R2-042816	149513237	2.70				
180-54291-5	CE-MW-39R-042816	107361925	2.70				
180-54291-5 MS	CE-MW-39R-042816 MS	114916590	2.70				
180-54291-5 MSD	CE-MW-39R-042816 MSD	99613749	2.70				
180-54291-6	CE-MW-38R-042816	124357798	2.70				
LCS 180-174909/2-A		90651969	2.70				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.03 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD HEIGHT AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Sample No.: CCVIS 180-174947/25 Date Analyzed: 05/02/2016 15:09

Instrument ID: CHGC10 GC Column: RTX-CLP2 ID: 0.53(mm)

Lab File ID (Standard): S0502025.D Heated Purge: (Y/N) N

Calibration ID: 30275

		BNB					
		HEIGHT #	RT #	HEIGHT #	RT #	HEIGHT #	RT #
12/24 HOUR STD		83135043	2.92				
UPPER LIMIT		166270086	2.95				
LOWER LIMIT		41567522	2.89				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-174909/1-A		85263777	2.92				
180-54291-1	CE-EB-72-042816	90353771	2.92				
180-54291-2	CE-MW-43R3-042816	120904264	2.92				
180-54291-3	CE-MW-42R-042816	98700023	2.92				
180-54291-4	CE-MW-41R2-042816	148497882	2.92				
180-54291-5	CE-MW-39R-042816	106073045	2.92				
180-54291-5 MS	CE-MW-39R-042816 MS	113952258	2.92				
180-54291-5 MSD	CE-MW-39R-042816 MSD	98534703	2.91				
180-54291-6	CE-MW-38R-042816	123781103	2.91				
LCS 180-174909/2-A		87469235	2.92				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.03 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD HEIGHT AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Sample No.: CCVIS 180-175185/5 Date Analyzed: 05/04/2016 06:26

Instrument ID: CHGC10 GC Column: RTX-CLP1 ID: 0.53(mm)

Lab File ID (Standard): S0504005.D Heated Purge: (Y/N) N

Calibration ID: 30274

		BNB					
		HEIGHT #	RT #	HEIGHT #	RT #	HEIGHT #	RT #
12/24 HOUR STD		85910817	2.69				
UPPER LIMIT		171821634	2.72				
LOWER LIMIT		42955409	2.66				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-175171/1-A		80088399	2.70				
180-54318-1	MW-28R5_042916	81927562	2.70				
180-54318-2	MW-28R5A_042916	91995252	2.70				
180-54318-4	MW-31R_042916	89706957	2.70				
180-54318-6	MW-34R2_042916	88060867	2.69				
LCS 180-175171/2-A		86337543	2.70				
180-54318-3	MW-30R4_042916	82127150	2.70				
180-54318-5	MW-32R_042916	140448948	2.70				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.03 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD HEIGHT AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Sample No.: CCVIS 180-175185/5 Date Analyzed: 05/04/2016 06:26

Instrument ID: CHGC10 GC Column: RTX-CLP2 ID: 0.53(mm)

Lab File ID (Standard): S0504005.D Heated Purge: (Y/N) N

Calibration ID: 30275

		BNB					
		HEIGHT #	RT #	HEIGHT #	RT #	HEIGHT #	RT #
12/24 HOUR STD		80465975	2.91				
UPPER LIMIT		160931950	2.94				
LOWER LIMIT		40232988	2.88				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-175171/1-A		77321371	2.92				
180-54318-1	MW-28R5_042916	79651099	2.92				
180-54318-2	MW-28R5A_042916	95814963	2.92				
180-54318-4	MW-31R_042916	87579960	2.92				
180-54318-6	MW-34R2_042916	92044334	2.91				
LCS 180-175171/2-A		84210712	2.92				
180-54318-3	MW-30R4_042916	80577805	2.91				
180-54318-5	MW-32R_042916	134225938	2.91				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.03 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-EB-72-042816 Lab Sample ID: 180-54291-1

Instrument ID (1): CHGC10 Instrument ID (2): CHGC10

Date Analyzed (1): 05/02/2016 15:47 Date Analyzed (2): 05/02/2016 15:47

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Arochlor 1248	1	2	5.16	5.09	5.19	0.0125	0.017	5.7
		3	5.73	5.68	5.78	0.0211		
		4	6.04	6.02	6.12	0.0130		
		5	6.69	6.66	6.76	0.0229		
	2	1	5.93	5.92	6.02	0.0125	0.016	
		2	6.41	6.38	6.48	0.0171		
		3	7.09	7.05	7.15	0.0199		
		4	7.16	7.14	7.24	0.0124		
		5	7.62	7.58	7.68	0.0202		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-39R-042816 Lab Sample ID: 180-54291-5

Instrument ID (1): CHGC10 Instrument ID (2): CHGC10

Date Analyzed (1): 05/02/2016 17:02 Date Analyzed (2): 05/02/2016 17:02

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Arochlor 1260	1	1	7.01	6.97	7.07	0.00967	0.0065	2.1
		2	7.50	7.49	7.59	0.00770		
		3	8.09	8.05	8.15	0.00562		
		4	9.34	9.29	9.39	0.00403		
		5	9.81	9.76	9.86	0.00532		
	2	1	8.86	8.82	8.92	0.00716	0.0063	
		2	9.25	9.20	9.30	0.00695		
		3	9.83	9.81	9.91	0.00752		
		4	10.86	10.81	10.91	0.00368		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-39R-042816 MS Lab Sample ID: 180-54291-5 MS

Instrument ID (1): CHGC10 Instrument ID (2): CHGC10

Date Analyzed (1): 05/02/2016 17:21 Date Analyzed (2): 05/02/2016 17:21

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Arochlor 1016	1	1	3.63	3.58	3.68	0.905	0.864	0.7
		2	4.45	4.41	4.51	0.880		
		3	4.63	4.58	4.68	0.900		
		4	4.71	4.66	4.76	0.761		
		5	5.14	5.09	5.19	0.876		
	2	1	4.82	4.77	4.87	0.905	0.870	
		2	5.47	5.42	5.52	0.886		
		3	5.67	5.62	5.72	0.872		
		4	6.43	6.38	6.48	0.840		
		5	6.64	6.60	6.70	0.847		
Arochlor 1260	1	1	7.02	6.97	7.07	0.819	0.837	2.5
		2	7.54	7.49	7.59	0.851		
		3	8.09	8.05	8.15	0.934		
		4	9.34	9.29	9.39	0.772		
		5	9.81	9.76	9.86	0.812		
	2	1	8.86	8.82	8.92	0.799	0.817	
		2	9.24	9.20	9.30	0.781		
		3	9.86	9.81	9.91	0.927		
		4	10.86	10.81	10.91	0.767		
		5	11.39	11.34	11.44	0.809		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-39R-042816 MSD Lab Sample ID: 180-54291-5 MSD

Instrument ID (1): CHGC10 Instrument ID (2): CHGC10

Date Analyzed (1): 05/02/2016 17:40 Date Analyzed (2): 05/02/2016 17:40

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Arochlor 1016	1	1	3.63	3.58	3.68	0.846	0.866	4.5
		2	4.45	4.41	4.51	0.890		
		3	4.63	4.58	4.68	0.902		
		4	4.70	4.66	4.76	0.770		
		5	5.14	5.09	5.19	0.923		
	2	1	4.82	4.77	4.87	0.893	0.906	
		2	5.47	5.42	5.52	0.909		
		3	5.67	5.62	5.72	0.902		
		4	6.43	6.38	6.48	0.906		
		5	6.64	6.60	6.70	0.921		
Arochlor 1260	1	1	7.02	6.97	7.07	0.952	0.982	4.1
		2	7.53	7.49	7.59	1.01		
		3	8.09	8.05	8.15	1.09		
		4	9.34	9.29	9.39	0.907		
		5	9.81	9.76	9.86	0.957		
	2	1	8.86	8.82	8.92	0.901	0.942	
		2	9.24	9.20	9.30	0.927		
		3	9.86	9.81	9.91	1.06		
		4	10.86	10.81	10.91	0.879		
		5	11.39	11.34	11.44	0.948		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-38R-042816 Lab Sample ID: 180-54291-6

Instrument ID (1): CHGC10 Instrument ID (2): CHGC10

Date Analyzed (1): 05/02/2016 17:59 Date Analyzed (2): 05/02/2016 17:59

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Arochlor 1260	1	1	7.01	6.97	7.07	0.00880	0.0071	3.9
		2	7.50	7.49	7.59	0.00748		
		3	8.09	8.05	8.15	0.00567		
		4	9.34	9.29	9.39	0.00482		
		5	9.78	9.76	9.86	0.00885		
	2	1	8.86	8.82	8.92	0.00951	0.0069	
		2	9.24	9.20	9.30	0.00613		
		3	9.86	9.81	9.91	0.00605		
		4	10.86	10.81	10.91	0.00574		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-28R5_042916 Lab Sample ID: 180-54318-1

Instrument ID (1): CHGC10 Instrument ID (2): CHGC10

Date Analyzed (1): 05/04/2016 10:11 Date Analyzed (2): 05/04/2016 10:11

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Arochlor 1260	1	1	7.02	6.96	7.06	0.0185	0.019	43.2
		2	7.52	7.48	7.58	0.0264		
		3	8.09	8.03	8.13	0.0164		
		4	9.33	9.28	9.38	0.0155		
	2	1	8.86	8.81	8.91	0.0244	0.030	
		2	9.24	9.19	9.29	0.0281		
		3	9.86	9.81	9.91	0.0391		
		4	10.85	10.80	10.90	0.0365		
		5	11.38	11.34	11.44	0.0206		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-28R5A_042916 Lab Sample ID: 180-54318-2

Instrument ID (1): CHGC10 Instrument ID (2): CHGC10

Date Analyzed (1): 05/04/2016 10:29 Date Analyzed (2): 05/04/2016 10:29

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Arochlor 1260	1	1	7.02	6.96	7.06	0.00946	0.011	56.2
		3	8.09	8.03	8.13	0.00668		
		4	9.33	9.28	9.38	0.00985		
		5	9.75	9.75	9.85	0.0179		
	2	1	8.85	8.81	8.91	0.0100	0.020	
		2	9.24	9.19	9.29	0.0216		
		3	9.86	9.81	9.91	0.0298		
		4	10.86	10.80	10.90	0.0229		
		5	11.39	11.34	11.44	0.0136		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-30R4_042916 Lab Sample ID: 180-54318-3

Instrument ID (1): CHGC10 Instrument ID (2): CHGC10

Date Analyzed (1): 05/04/2016 12:35 Date Analyzed (2): 05/04/2016 12:35

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Arochlor 1260	1	1	7.02	6.96	7.06	0.0358	0.022	1.1
		2	7.53	7.48	7.58	0.0306		
		3	8.09	8.03	8.13	0.0138		
		4	9.34	9.28	9.38	0.0118		
		5	9.81	9.75	9.85	0.0160		
	2	1	8.86	8.81	8.91	0.0315	0.022	
		2	9.25	9.19	9.29	0.0359		
		3	9.83	9.81	9.91	0.0105		
		4	10.86	10.80	10.90	0.0118		
		5	11.39	11.34	11.44	0.0197		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-31R_042916 Lab Sample ID: 180-54318-4

Instrument ID (1): CHGC10 Instrument ID (2): CHGC10

Date Analyzed (1): 05/04/2016 11:04 Date Analyzed (2): 05/04/2016 11:04

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Arochlor 1260	1	1	7.01	6.96	7.06	0.0608	0.043	6.5
		2	7.53	7.48	7.58	0.0563		
		3	8.09	8.03	8.13	0.0375		
		4	9.33	9.28	9.38	0.0280		
		5	9.80	9.75	9.85	0.0319		
	2	1	8.86	8.81	8.91	0.0602	0.046	
		2	9.25	9.19	9.29	0.0604		
		3	9.86	9.81	9.91	0.0410		
		4	10.86	10.80	10.90	0.0276		
		5	11.39	11.34	11.44	0.0398		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-32R_042916 Lab Sample ID: 180-54318-5

Instrument ID (1): CHGC10 Instrument ID (2): CHGC10

Date Analyzed (1): 05/04/2016 12:54 Date Analyzed (2): 05/04/2016 12:54

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Arochlor 1254	1	1	5.66	5.60	5.70	5.92	5.3	6.3
		2	6.06	6.00	6.10	6.48		
		3	6.71	6.64	6.74	3.18		
		4	7.19	7.13	7.23	2.96		
		5	8.09	8.03	8.13	7.76		
	2	1	7.18	7.12	7.22	5.13	4.9	
		3	8.49	8.43	8.53	3.18		
		4	8.92	8.86	8.96	2.27		
		5	9.83	9.80	9.90	9.19		
Arochlor 1260	1	3	8.09	8.03	8.13	6.65	6.5	13.2
		4	9.34	9.28	9.38	6.74		
		5	9.81	9.75	9.85	6.02		
	2	3	9.83	9.81	9.91	8.69	7.4	
		4	10.86	10.80	10.90	6.79		
		5	11.39	11.34	11.44	6.68		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-34R2_042916 Lab Sample ID: 180-54318-6

Instrument ID (1): CHGC10 Instrument ID (2): CHGC10

Date Analyzed (1): 05/04/2016 11:40 Date Analyzed (2): 05/04/2016 11:40

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Arochlor 1260	1	1	7.01	6.96	7.06	0.0325	0.020	12.0
		2	7.53	7.48	7.58	0.0248		
		3	8.08	8.03	8.13	0.0153		
		4	9.33	9.28	9.38	0.0137		
		5	9.80	9.75	9.85	0.0124		
	2	1	8.85	8.81	8.91	0.0283	0.022	
		3	9.85	9.81	9.91	0.0255		
		4	10.86	10.80	10.90	0.0142		
		5	11.39	11.34	11.44	0.0211		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-174909/2-A

Instrument ID (1): CHGC10 Instrument ID (2): CHGC10

Date Analyzed (1): 05/02/2016 18:18 Date Analyzed (2): 05/02/2016 18:18

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Arochlor 1016	1	1	3.63	3.58	3.68	1.02	0.981	0.6
		2	4.45	4.41	4.51	1.03		
		3	4.63	4.58	4.68	0.896		
		4	4.71	4.66	4.76	1.00		
		5	5.14	5.09	5.19	0.965		
	2	1	4.82	4.77	4.87	0.982	0.975	
		2	5.46	5.42	5.52	1.01		
		3	5.67	5.62	5.72	0.972		
		4	6.42	6.38	6.48	0.951		
		5	6.64	6.60	6.70	0.961		
Arochlor 1260	1	1	7.02	6.97	7.07	0.946	0.967	2.6
		2	7.53	7.49	7.59	0.987		
		3	8.09	8.05	8.15	1.08		
		4	9.34	9.29	9.39	0.880		
		5	9.81	9.76	9.86	0.937		
	2	1	8.86	8.82	8.92	0.922	0.942	
		2	9.24	9.20	9.30	0.946		
		3	9.86	9.81	9.91	1.05		
		4	10.86	10.81	10.91	0.888		
		5	11.39	11.34	11.44	0.903		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-175171/2-A

Instrument ID (1): CHGC10 Instrument ID (2): CHGC10

Date Analyzed (1): 05/04/2016 12:16 Date Analyzed (2): 05/04/2016 12:16

GC Column (1): RTX-CLP1 ID: 0.53(mm) GC Column (2): RTX-CLP2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Arochlor 1016	1	1	3.63	3.57	3.67	0.944	0.957	1.9
		2	4.45	4.40	4.50	0.984		
		3	4.63	4.57	4.67	0.915		
		4	4.71	4.65	4.75	0.979		
		5	5.14	5.08	5.18	0.965		
	2	1	4.82	4.76	4.86	0.910	0.940	
		2	5.47	5.41	5.51	0.973		
		3	5.67	5.61	5.71	0.933		
		4	6.43	6.37	6.47	0.934		
		5	6.64	6.59	6.69	0.949		
Arochlor 1260	1	1	7.02	6.96	7.06	0.958	0.979	4.4
		2	7.53	7.48	7.58	0.993		
		3	8.09	8.03	8.13	1.07		
		4	9.34	9.28	9.38	0.916		
		5	9.81	9.75	9.85	0.961		
	2	1	8.86	8.81	8.91	0.927	0.937	
		2	9.24	9.19	9.29	0.921		
		3	9.86	9.81	9.91	1.02		
		4	10.86	10.80	10.90	0.894		
		5	11.39	11.34	11.44	0.924		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-EB-72-042816 | Lab Sample ID: 180-54291-1

Matrix: Water | Lab File ID: S0502027.D

Analysis Method: 8082A | Date Collected: 04/28/2016 10:40

Extraction Method: 3510C | Date Extracted: 04/30/2016 08:35

Sample wt/vol: 970(mL) | Date Analyzed: 05/02/2016 15:47

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.0038	U	0.010	0.0038
11104-28-2	Arochlor 1221	0.0060	U	0.010	0.0060
11141-16-5	Arochlor 1232	0.0062	U	0.010	0.0062
53469-21-9	Arochlor 1242	0.0035	U	0.010	0.0035
12672-29-6	Arochlor 1248	0.017		0.010	0.0033
11097-69-1	Arochlor 1254	0.0046	U	0.010	0.0046
11096-82-5	Arochlor 1260	0.0030	U	0.010	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	99		43-138
877-09-8	Tetrachloro-m-xylene	97		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D
Lims ID: 180-54291-B-1-A
Client ID: CE-EB-72-042816
Sample Type: Client
Inject. Date: 02-May-2016 15:47:22 ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-027
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:47:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.698	2.700	-0.001	93933165H	0.1000	
2	2.915	2.916	-0.001	90353771H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.312	3.314	-0.002	21832141H	0.0194	
2	3.774	3.775	-0.001	18206117H	0.0184	
					RPD = 4.91	
3 PCB-1221						U
1		3.450			ND	
1		3.585				
1		3.624				
2		4.068				
2		4.232				
2		4.305				
4 PCB-1232						U
1		3.452			ND	
1		3.626				
1		4.474				
1		4.627				
1		6.059				
2		4.071				
2		4.307				
2		4.812				
2		5.462				
2		5.664				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5 PCB-1242						U
1		3.627			ND	
1		3.969				
1		4.475				
1		5.138				
1		5.770				
2		4.309				
2		4.813				
2		5.462				
2		5.664				
2		6.424				
6 PCB-1016						U
1		3.630			ND	
1		4.455				
1		4.633				
1		4.708				
1		5.142				
2		4.818				
2		5.467				
2		5.670				
2		6.429				
2		6.645				
7 PCB-1248						M
1	0.000	3.970	-3.970	0H	0	
1	5.161	5.138	0.023	366600H	0.0122	
1	5.726	5.728	-0.002	719159H	0.0204	
1	6.040	6.066	-0.026	296937H	0.0126	
1	6.691	6.705	-0.014	387598H	0.0222	
		Average of Peak Amounts =			0.0169	
2	5.934	5.971	-0.037	228932H	0.0121	M
2	6.410	6.426	-0.016	394377H	0.0166	M
2	7.086	7.100	-0.014	515347H	0.0193	M
2	7.156	7.187	-0.031	331363H	0.0120	M
2	7.615	7.632	-0.017	405836H	0.0196	M
		Average of Peak Amounts =			0.0159	
					RPD = 5.75	
8 PCB-1254						U
1		5.660			ND	
1		6.052				
1		6.699				
1		7.187				
1		8.087				
2		7.174				
2		7.535				
2		8.482				
2		8.915				
2		9.857				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						U
1		7.023			ND	
1		7.537				
1		8.095				
1		9.340				
1		9.809				
2		8.865				
2		9.246				
2		9.863				
2		10.861				
2		11.394				
10 PCB-1262						U
1		7.530			ND	
1		8.317				
1		9.335				
1		9.802				
1		9.866				
2		9.240				
2		10.007				
2		10.857				
2		11.382				
2		11.966				
11 PCB-1268						U
1		9.866			ND	
1		9.929				
1		10.233				
1		11.188				
2		11.378				
2		11.444				
2		11.797				
2		12.611				
* 46 PCB-205 (IS)						
1	10.855	10.853	0.002	123376822H	0	
2	12.230	12.228	0.002	106503443H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.454	11.455	-0.001	18550780H	0.0198	
2	12.947	12.948	-0.001	14155320H	0.0185	
					RPD = 6.64	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

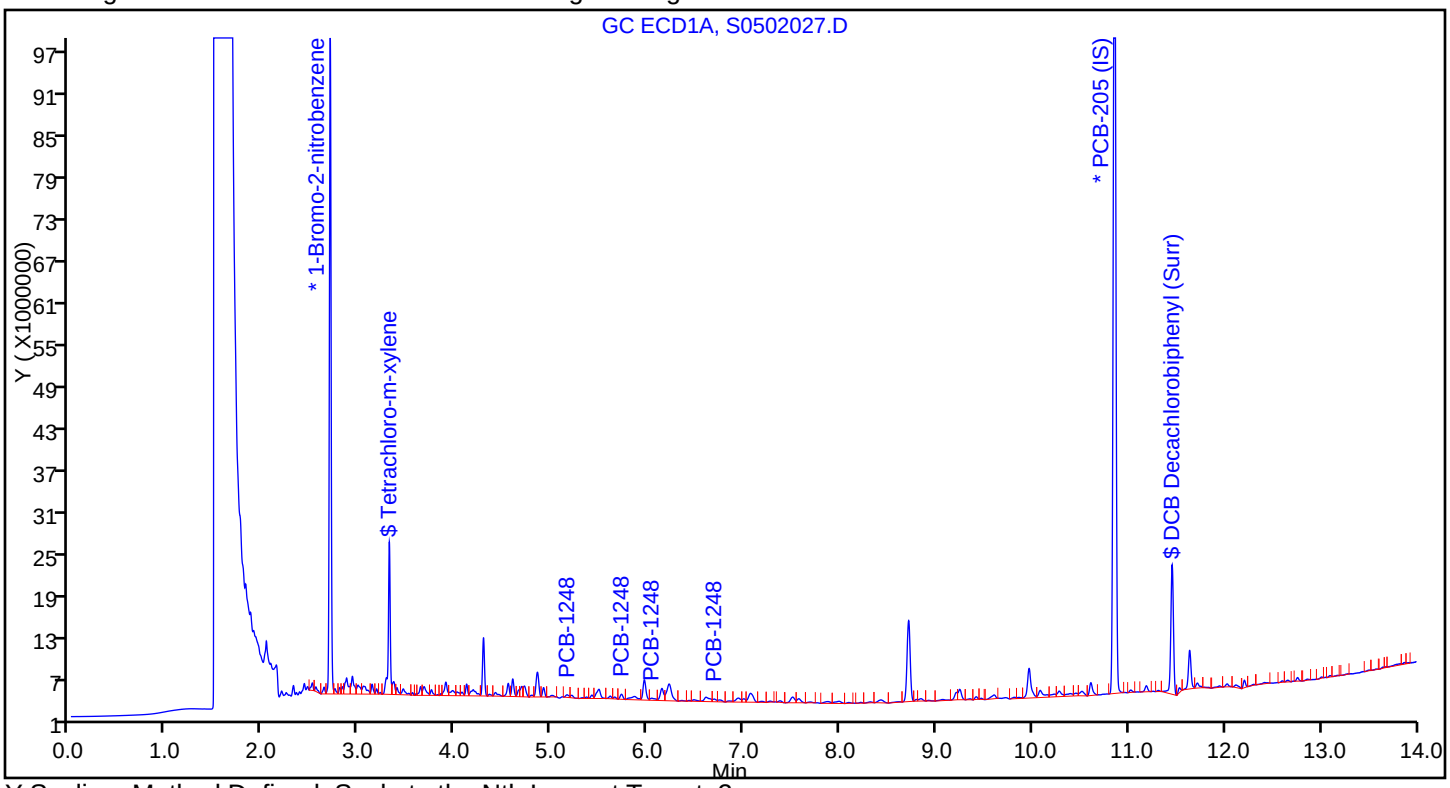
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

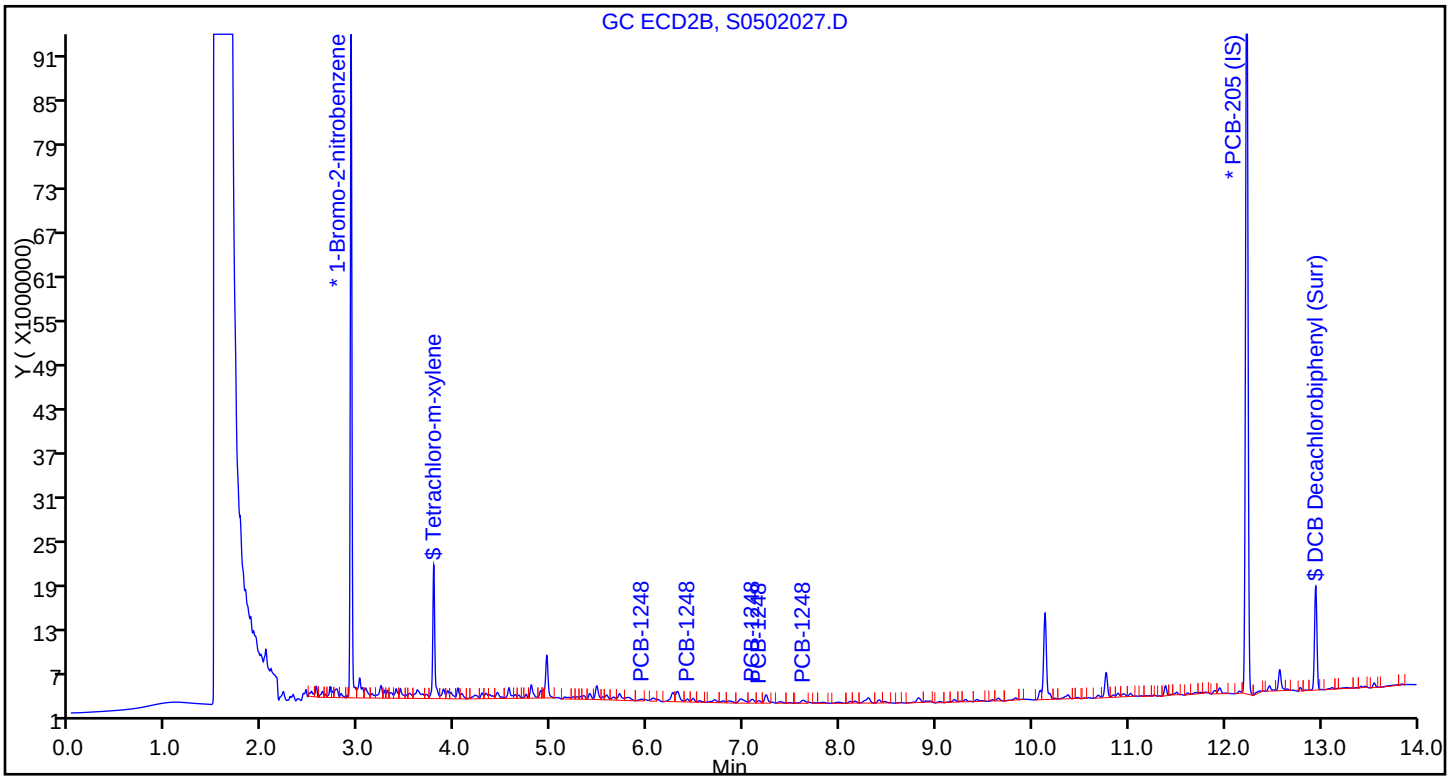
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

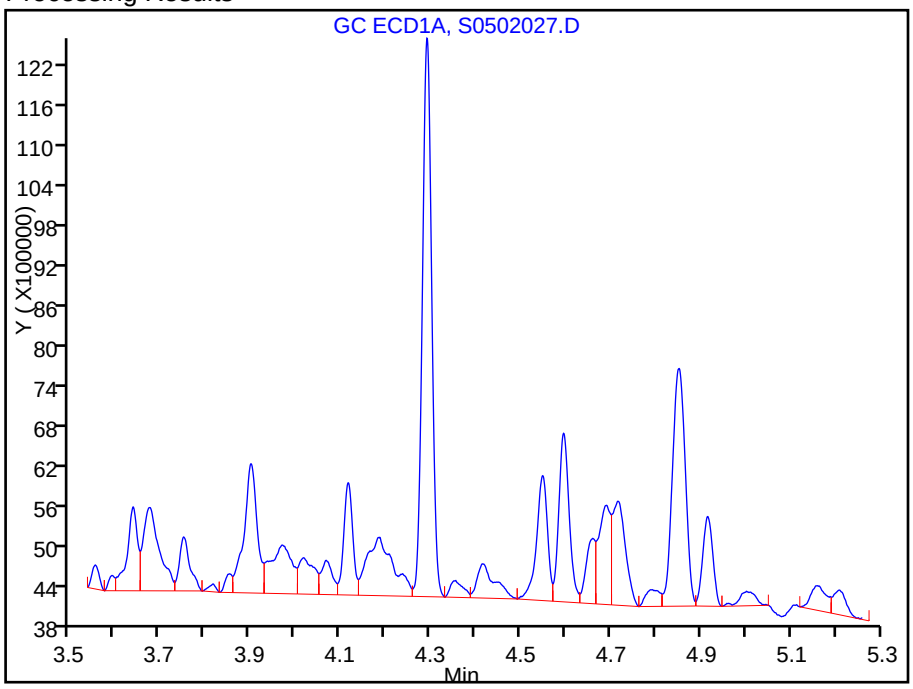
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.64	1247524	0.067968
4.45	4.41	509141	0.013362
4.63	4.66	972022	0.035514
4.71	4.72	1548404	0.076982
5.14	5.16	366600	0.015602
		Average =	0.040649



Reviewer: oravecj, 03-May-2016 09:47:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

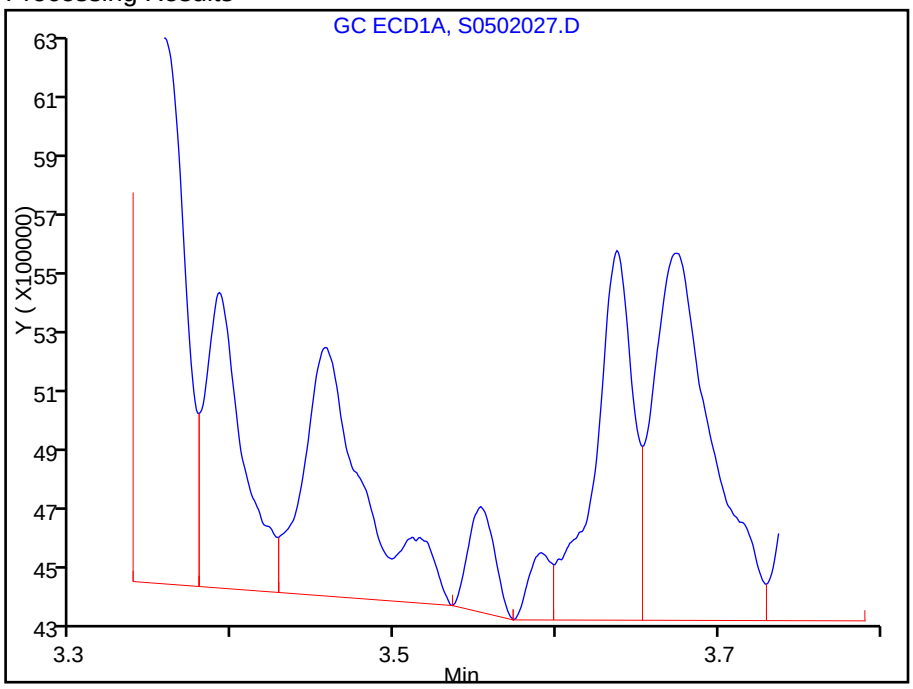
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.46	838793	0.080322
3.58	3.59	227048	0.033652
3.62	3.64	1247524	0.053048
		Average =	0.063813



Reviewer: oravecj, 03-May-2016 09:47:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

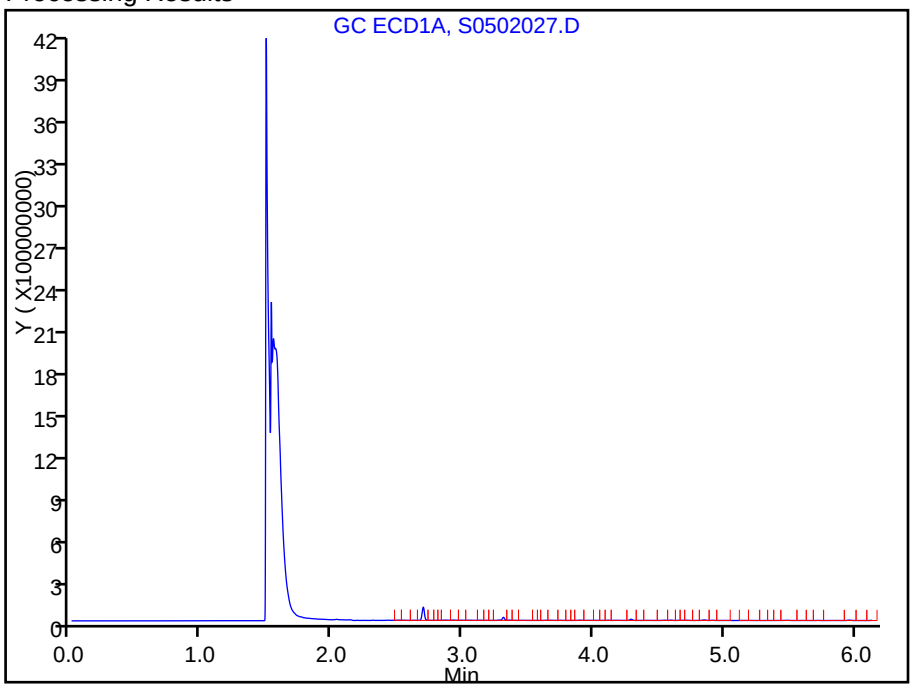
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.46	838793	0.101521
3.63	3.64	1247524	0.055418
4.47			
4.63	4.60	2509320	0.180372
6.06	6.04	296937	0.024032
		Average =	0.092620



Reviewer: oravecj, 03-May-2016 09:47:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

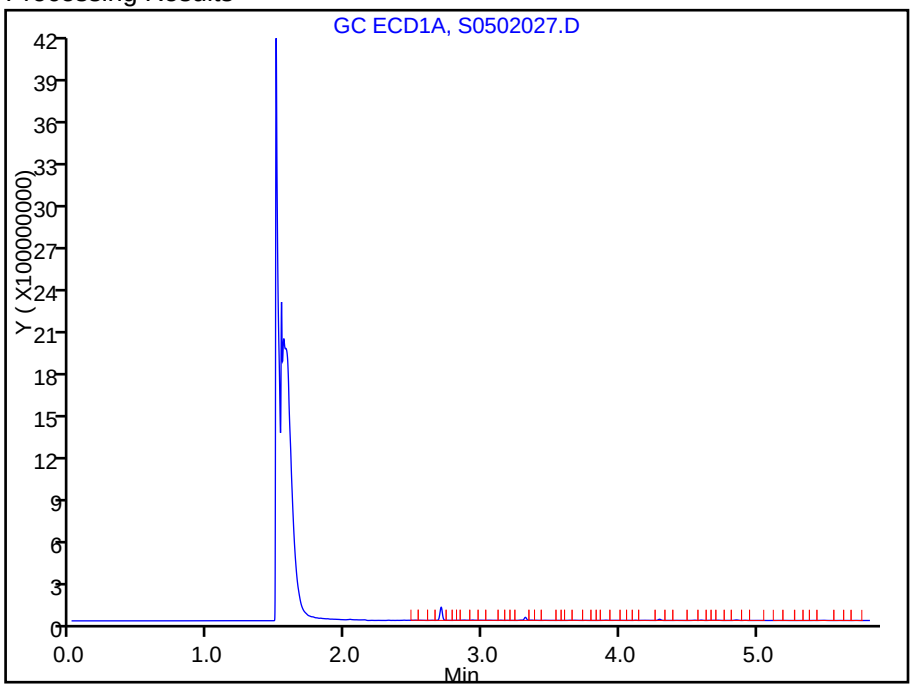
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.64	1247524	0.084546
3.97	3.97	722593	0.033516
4.48			
5.14	5.16	366600	0.018877
5.77	5.73	719159	0.035392
		Average =	0.050372



Reviewer: oravecj, 03-May-2016 09:47:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

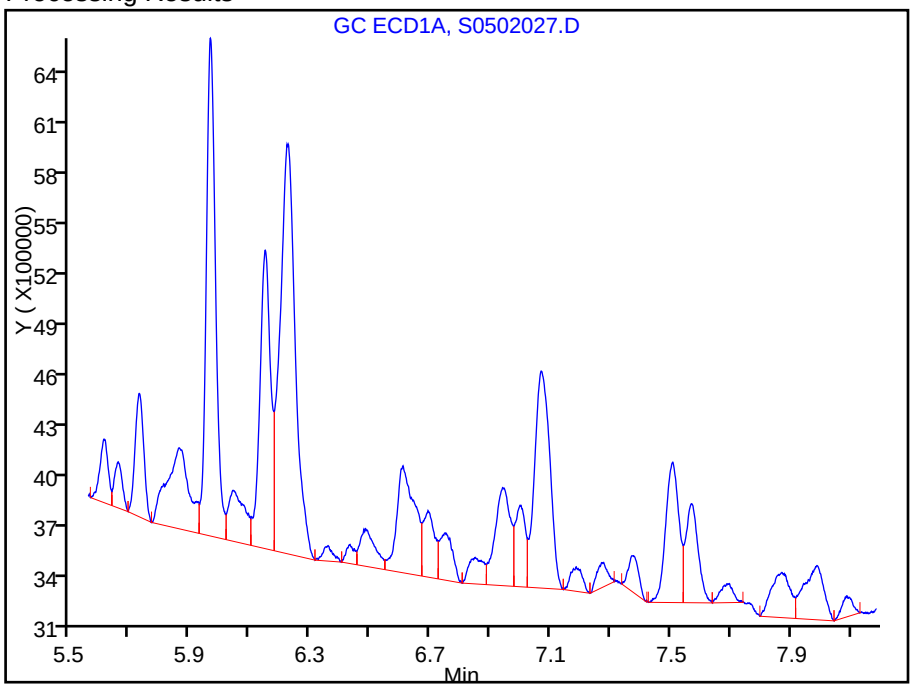
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
5.66	5.66	267326	0.008858
6.05	6.04	296937	0.007216
6.70	6.69	387598	0.006732
7.19	7.19	142992	0.003321
8.09	8.09	122412	0.002835
		Average =	0.005875



Reviewer: oravecj, 03-May-2016 09:47:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

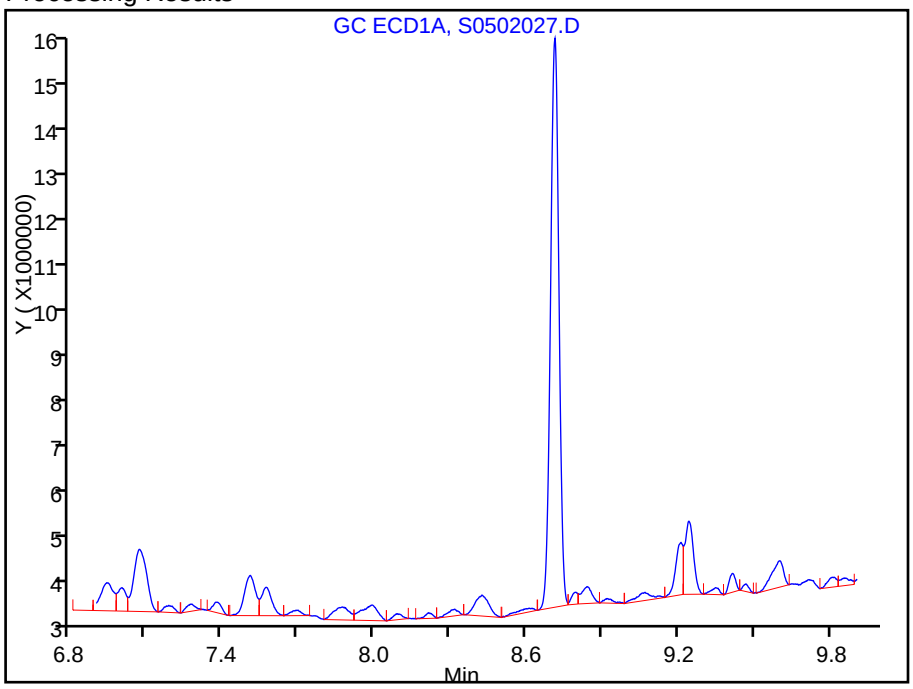
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

9 PCB-1260, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
7.02	7.00	475045	0.011311
7.54	7.51	818451	0.013398
8.10	8.09	122412	0.002428
9.34	9.35	140167	0.001463
9.81	9.81	201678	0.003798
		Average =	0.007163



Reviewer: oravecj, 03-May-2016 09:47:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-EB-72-042816 Lab Sample ID: 180-54291-1

Matrix: Water Lab File ID: S0502027.D

Analysis Method: 8082A Date Collected: 04/28/2016 10:40

Extraction Method: 3510C Date Extracted: 04/30/2016 08:35

Sample wt/vol: 970(mL) Date Analyzed: 05/02/2016 15:47

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	93		43-138
877-09-8	Tetrachloro-m-xylene	92		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D
Lims ID: 180-54291-B-1-A
Client ID: CE-EB-72-042816
Sample Type: Client
Inject. Date: 02-May-2016 15:47:22 ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-027
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:47:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.698	2.700	-0.001	93933165H	0.1000	
2	2.915	2.916	-0.001	90353771H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.312	3.314	-0.002	21832141H	0.0194	
2	3.774	3.775	-0.001	18206117H	0.0184	
					RPD = 4.91	
3 PCB-1221						U
1		3.450			ND	
1		3.585				
1		3.624				
2		4.068				
2		4.232				
2		4.305				
4 PCB-1232						U
1		3.452			ND	
1		3.626				
1		4.474				
1		4.627				
1		6.059				
2		4.071				
2		4.307				
2		4.812				
2		5.462				
2		5.664				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5 PCB-1242						U
1		3.627			ND	
1		3.969				
1		4.475				
1		5.138				
1		5.770				
2		4.309				
2		4.813				
2		5.462				
2		5.664				
2		6.424				
6 PCB-1016						U
1		3.630			ND	
1		4.455				
1		4.633				
1		4.708				
1		5.142				
2		4.818				
2		5.467				
2		5.670				
2		6.429				
2		6.645				
7 PCB-1248						M
1	0.000	3.970	-3.970	0H	0	
1	5.161	5.138	0.023	366600H	0.0122	
1	5.726	5.728	-0.002	719159H	0.0204	
1	6.040	6.066	-0.026	296937H	0.0126	
1	6.691	6.705	-0.014	387598H	0.0222	
		Average of Peak Amounts =			0.0169	
2	5.934	5.971	-0.037	228932H	0.0121	M
2	6.410	6.426	-0.016	394377H	0.0166	M
2	7.086	7.100	-0.014	515347H	0.0193	M
2	7.156	7.187	-0.031	331363H	0.0120	M
2	7.615	7.632	-0.017	405836H	0.0196	M
		Average of Peak Amounts =			0.0159	
					RPD = 5.75	
8 PCB-1254						U
1		5.660			ND	
1		6.052				
1		6.699				
1		7.187				
1		8.087				
2		7.174				
2		7.535				
2		8.482				
2		8.915				
2		9.857				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						U
1		7.023			ND	
1		7.537				
1		8.095				
1		9.340				
1		9.809				
2		8.865				
2		9.246				
2		9.863				
2		10.861				
2		11.394				
10 PCB-1262						U
1		7.530			ND	
1		8.317				
1		9.335				
1		9.802				
1		9.866				
2		9.240				
2		10.007				
2		10.857				
2		11.382				
2		11.966				
11 PCB-1268						U
1		9.866			ND	
1		9.929				
1		10.233				
1		11.188				
2		11.378				
2		11.444				
2		11.797				
2		12.611				
* 46 PCB-205 (IS)						
1	10.855	10.853	0.002	123376822H	0	
2	12.230	12.228	0.002	106503443H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.454	11.455	-0.001	18550780H	0.0198	
2	12.947	12.948	-0.001	14155320H	0.0185	
					RPD = 6.64	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

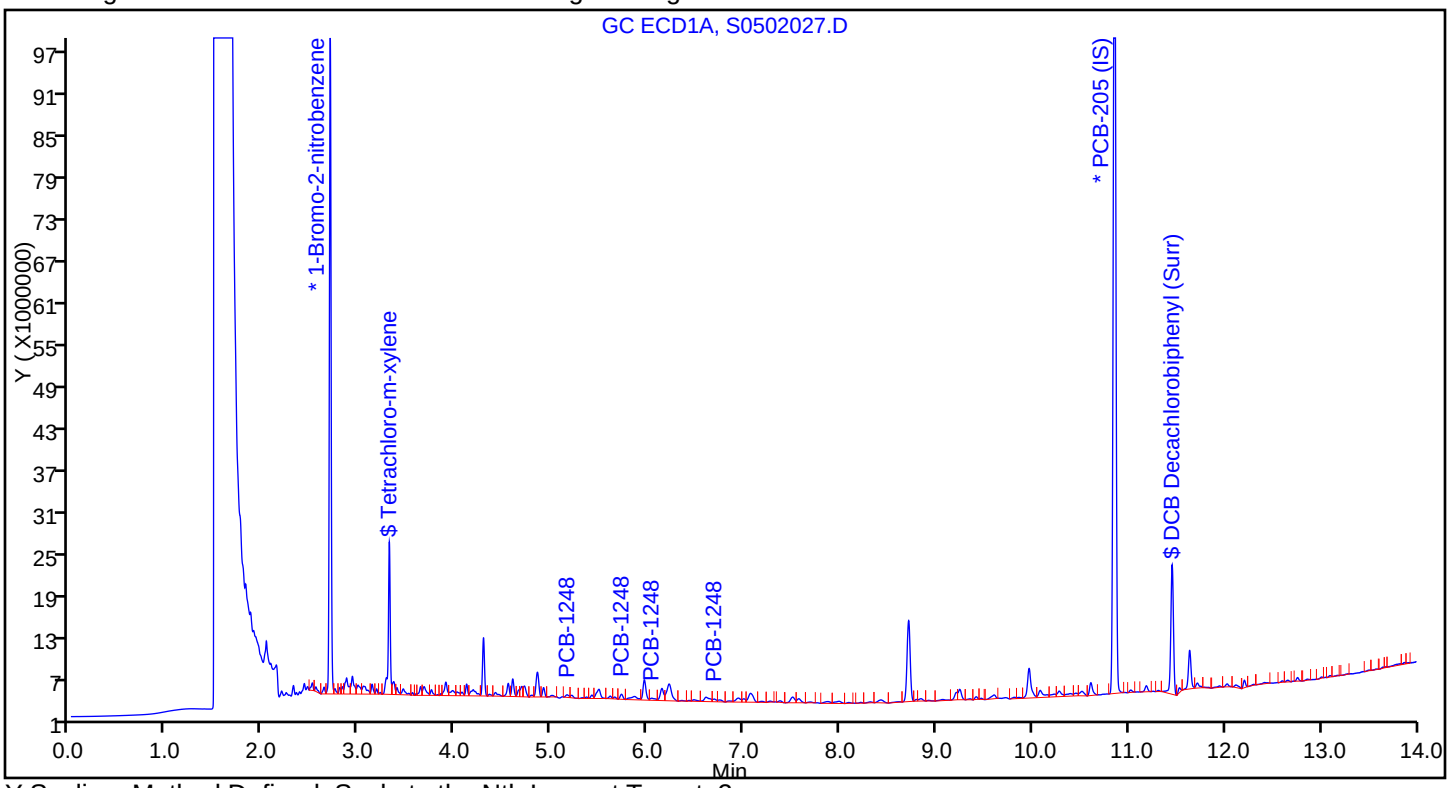
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

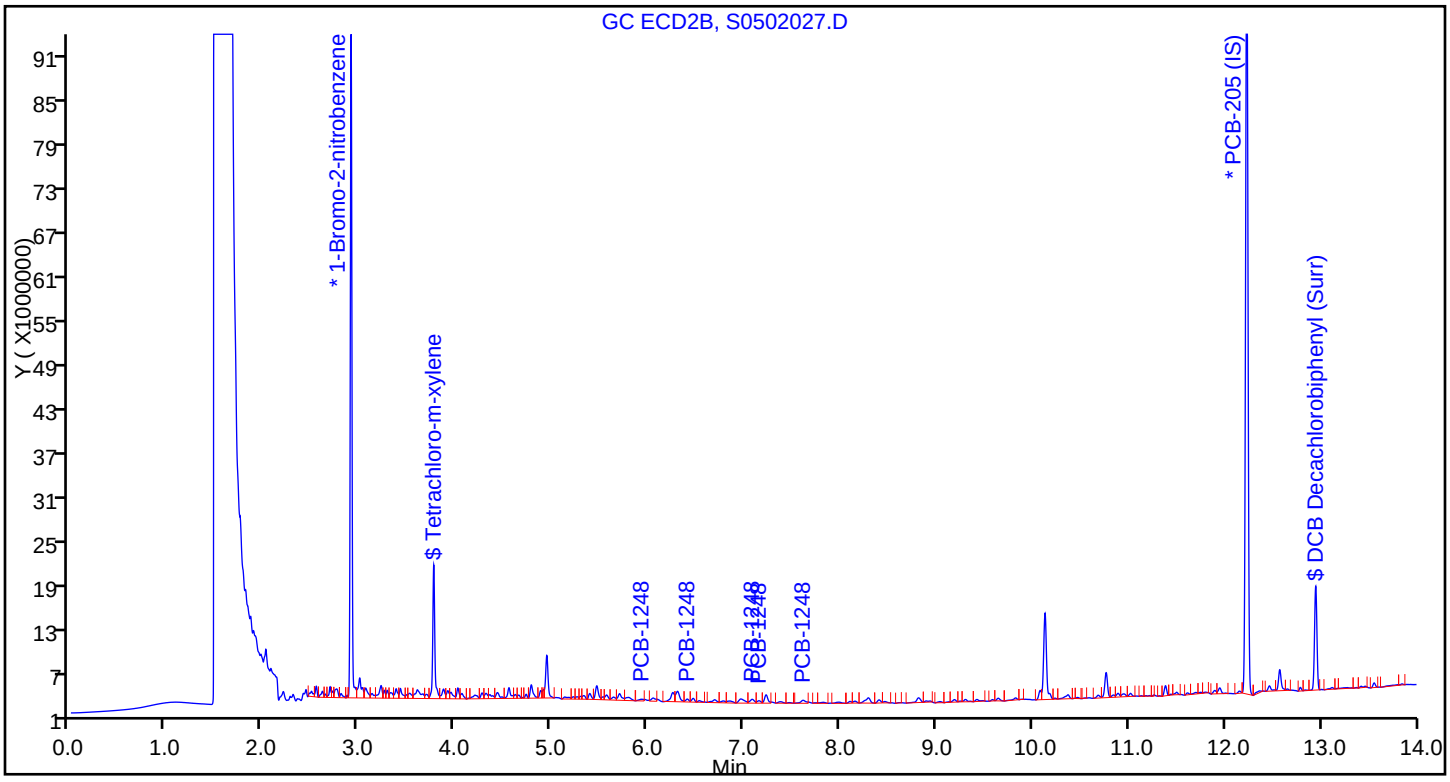
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

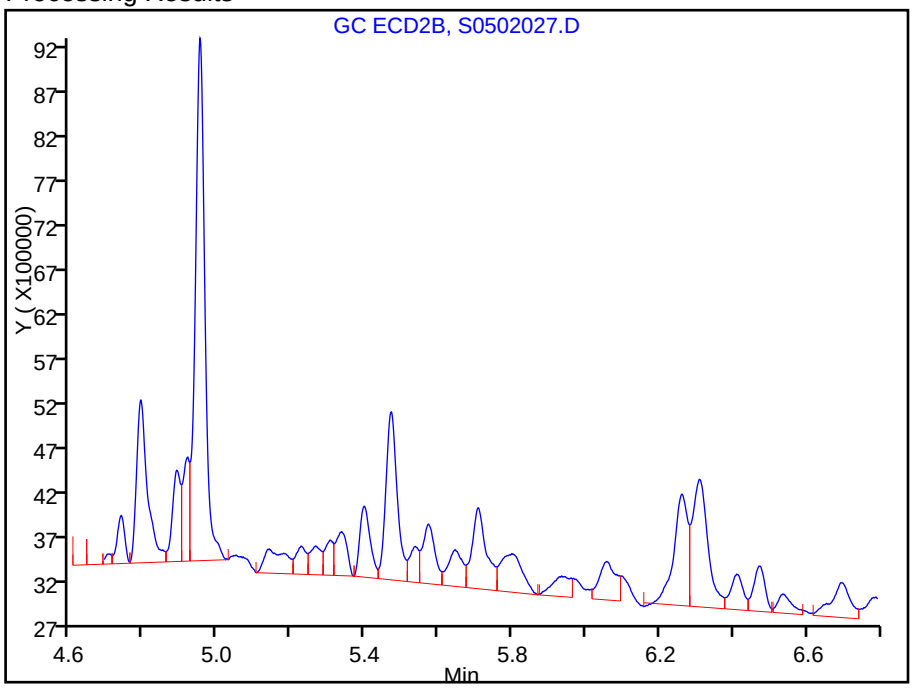
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.82	4.79	1809255	0.090335
5.47	5.47	1866609	0.051427
5.67	5.64	408767	0.019773
6.43	6.41	271799	0.014853
6.64	6.69	317535	0.020672
		Average =	0.040649



Reviewer: oravecj, 03-May-2016 09:47:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

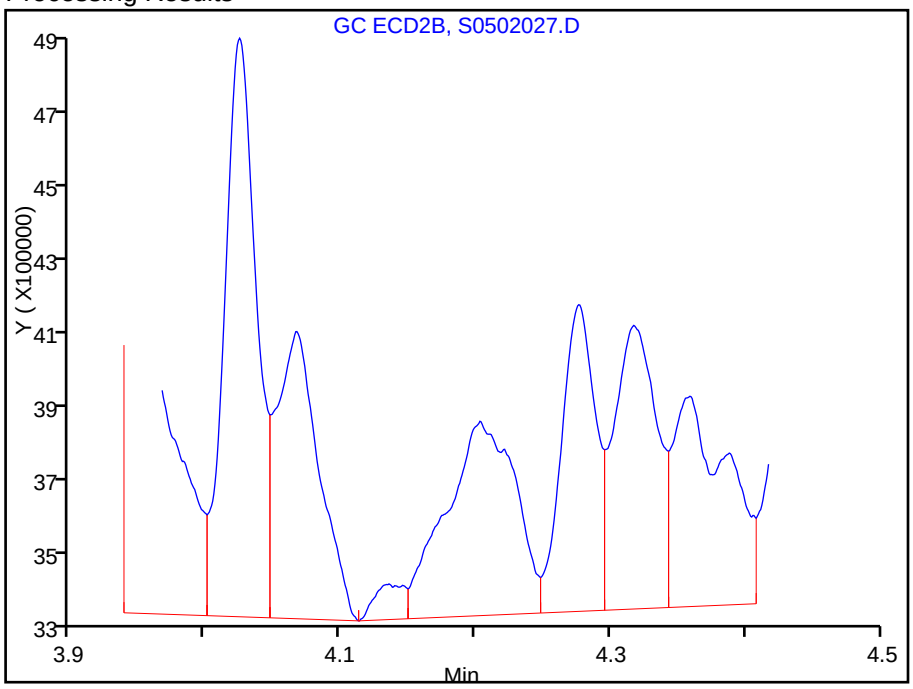
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.07	732087	0.086340
4.23	4.20	495504	0.088226
4.30	4.32	722980	0.041290
		Average =	0.063813



Reviewer: oravecj, 03-May-2016 09:47:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

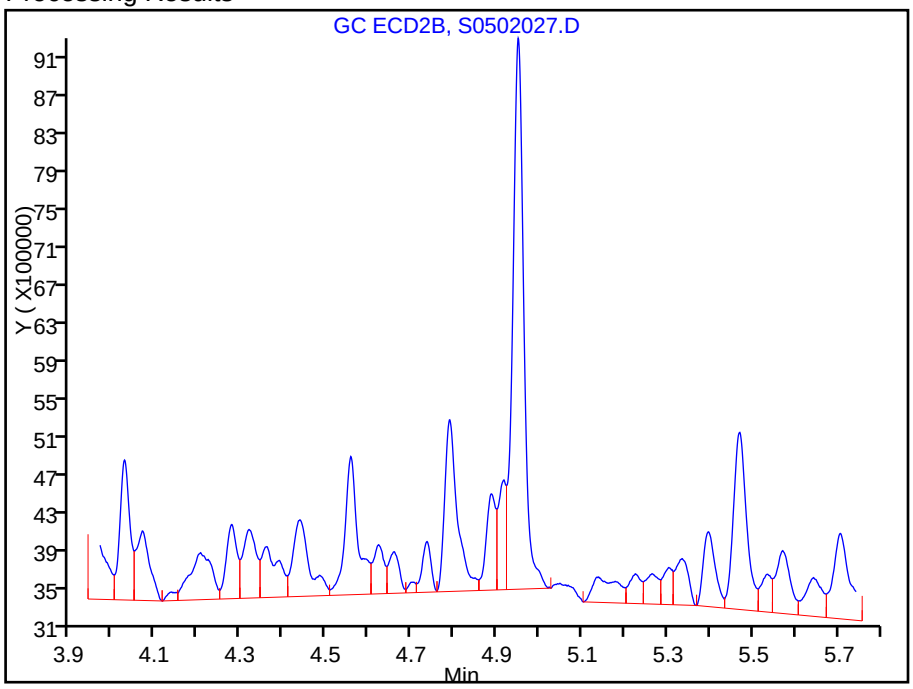
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.07	732087	0.109451
4.31	4.32	722980	0.042268
4.81	4.79	1809255	0.177617
5.46	5.47	1866609	0.103436
5.66	5.64	408767	0.039467
		Average =	0.092620



Reviewer: oravecj, 03-May-2016 09:47:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

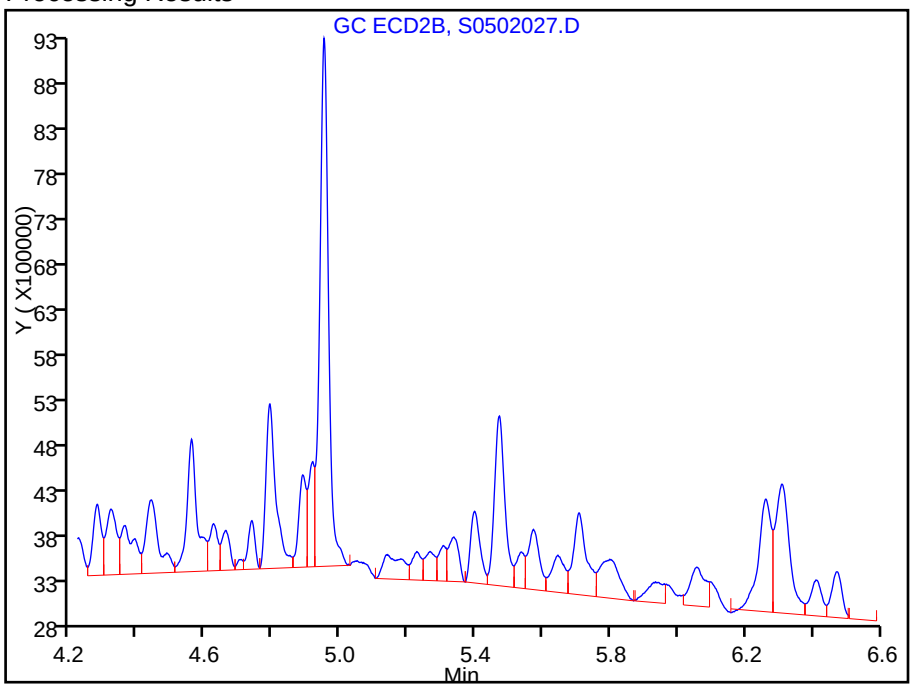
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.31	4.32	722980	0.062524
4.81	4.79	1809255	0.112864
5.46	5.47	1866609	0.063276
5.66	5.64	408767	0.024489
6.42	6.41	271799	0.017864
		Average =	0.050372



Reviewer: oravecj, 03-May-2016 09:47:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

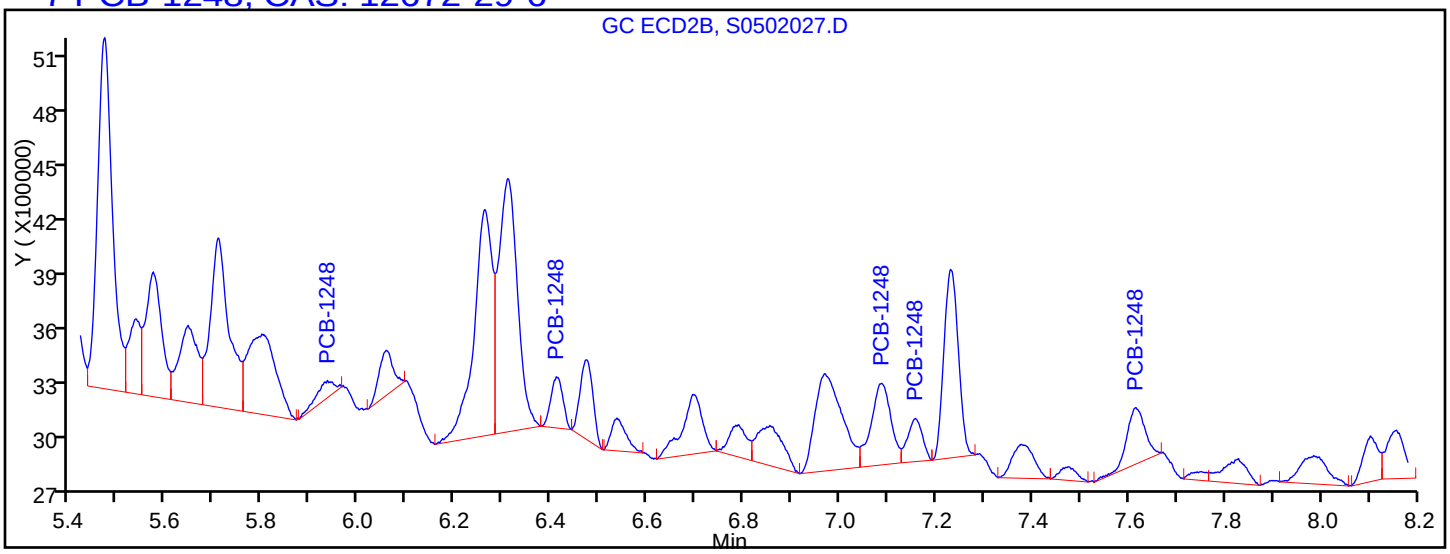
Report Date: 03-May-2016 09:57:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D

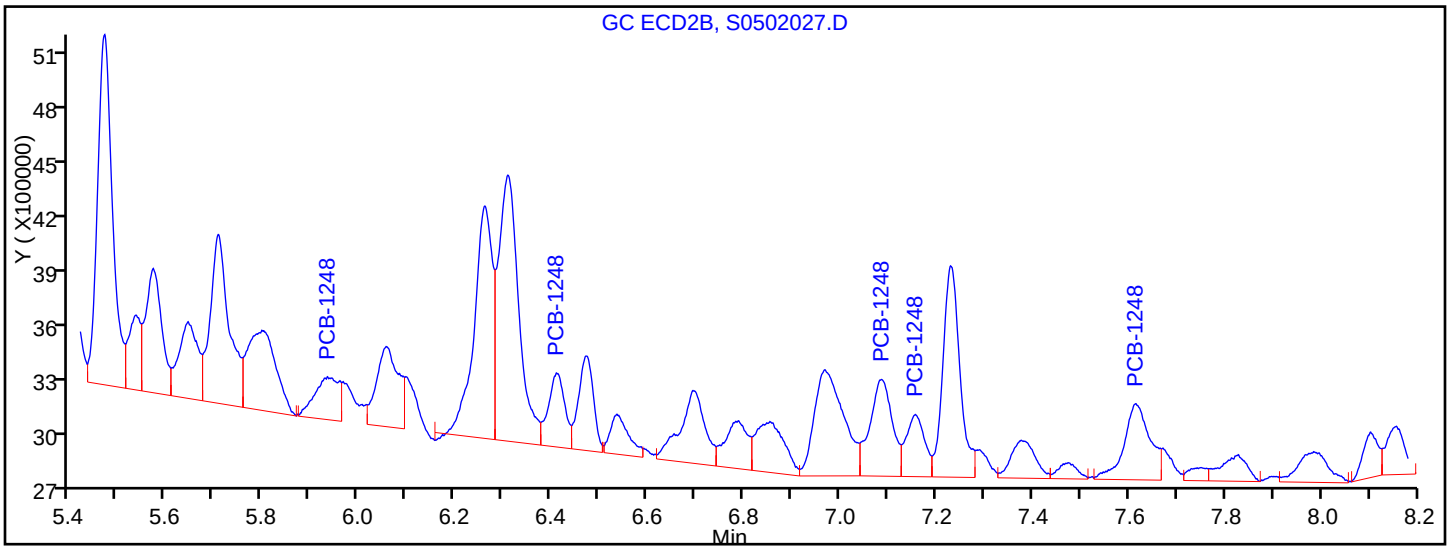
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		
Column:		Detector	GC ECD2B		

7 PCB-1248, CAS: 12672-29-6



Processing Integration Results

RT = 5.934	Response = 90574	M
RT = 6.410	Response = 271799	M
RT = 7.086	Response = 433793	M
RT = 7.156	Response = 229682	M
RT = 7.615	Response = 300819	M



Manual Integration Results

RT = 5.934	Response = 228932	M
RT = 6.410	Response = 394377	M
RT = 7.086	Response = 515347	M
RT = 7.156	Response = 331363	M
RT = 7.615	Response = 405836	M

Reviewer: oravecj, 03-May-2016 09:47:44

Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

User Disabled Compound Report

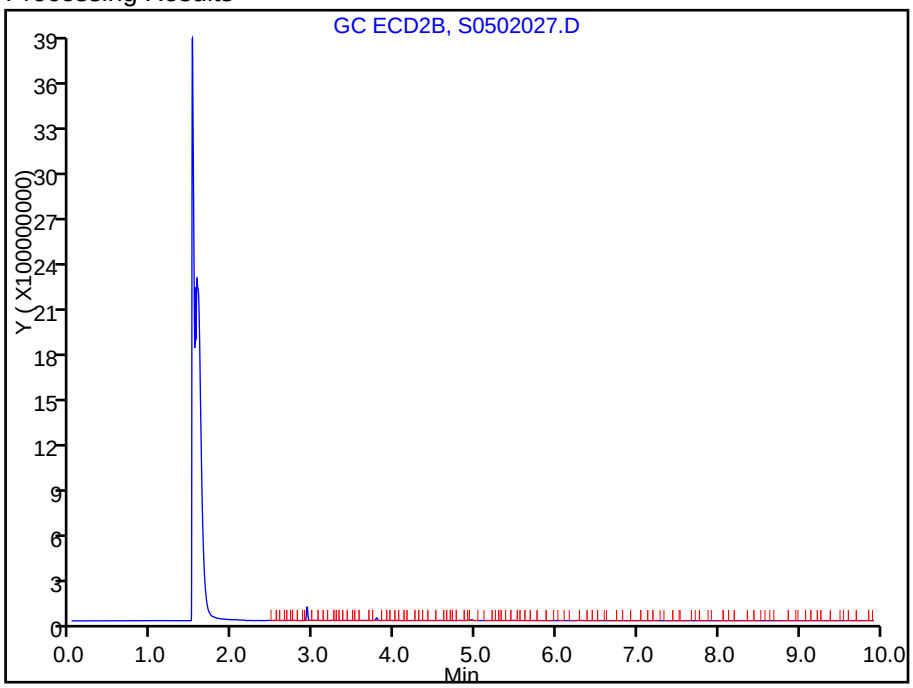
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
7.17	7.16	229682	0.008787
7.53			
8.48	8.46	187321	0.003948
8.91	8.90	177512	0.004894
9.86	9.83	269063	0.006286
		Average =	0.005875



Reviewer: oravecj, 03-May-2016 09:47:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

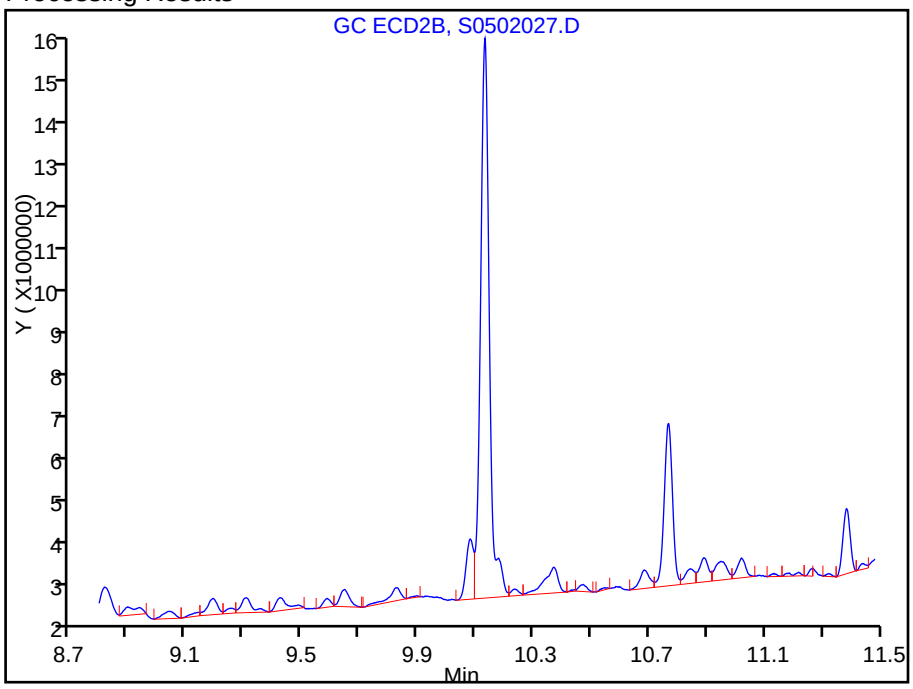
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502027.D				
Injection Date:	02-May-2016 15:47:22	Instrument ID:	CHGC10		
Lims ID:	180-54291-B-1-A	Lab Sample ID:	180-54291-1		
Client ID:	CE-EB-72-042816				
Operator ID:	402331	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

9 PCB-1260, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
8.86	8.90	177512	0.004788
9.25	9.25	106986	0.002233
9.86	9.90	30230	0.000668
10.86	10.84	305767	0.003422
11.39	11.38	1368221	0.028124
		Average =	0.007163



Reviewer: oravecj, 03-May-2016 09:47:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-43R3-042816 | Lab Sample ID: 180-54291-2

Matrix: Water | Lab File ID: S0502028.D

Analysis Method: 8082A | Date Collected: 04/28/2016 09:25

Extraction Method: 3510C | Date Extracted: 04/30/2016 08:35

Sample wt/vol: 980(mL) | Date Analyzed: 05/02/2016 16:06

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.0037	U	0.010	0.0037
11104-28-2	Arochlor 1221	0.0060	U	0.010	0.0060
11141-16-5	Arochlor 1232	0.0062	U	0.010	0.0062
53469-21-9	Arochlor 1242	0.0034	U	0.010	0.0034
12672-29-6	Arochlor 1248	0.0033	U	0.010	0.0033
11097-69-1	Arochlor 1254	0.0045	U	0.010	0.0045
11096-82-5	Arochlor 1260	0.0029	U	0.010	0.0029

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	75		43-138
877-09-8	Tetrachloro-m-xylene	93		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D
Lims ID: 180-54291-A-2-A
Client ID: CE-MW-43R3-042816
Sample Type: Client
Inject. Date: 02-May-2016 16:06:12 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-028
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:48:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.698	2.700	-0.002	125182324 H	0.1000	
2	2.915	2.916	-0.002	120904264 H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.312	3.314	-0.002	27922954 H	0.0186	
2	3.773	3.775	-0.002	23846930 H	0.0180	
				RPD = 2.94		
3 PCB-1221						U
1		3.450		ND		
1		3.585				
1		3.624				
2		4.068				
2		4.232				
2		4.305				
4 PCB-1232						U
1		3.452		ND		
1		3.626				
1		4.474				
1		4.627				
1		6.059				
2		4.071				
2		4.307				
2		4.812				
2		5.462				
2		5.664				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.627			ND	
1		3.969				
1		4.475				
1		5.138				
1		5.770				
2		4.309				
2		4.813				
2		5.462				
2		5.664				
2		6.424				
6	PCB-1016					U
1		3.630			ND	
1		4.455				
1		4.633				
1		4.708				
1		5.142				
2		4.818				
2		5.467				
2		5.670				
2		6.429				
2		6.645				
7	PCB-1248					U
1		3.970			ND	
1		5.138				
1		5.728				
1		6.066				
1		6.705				
2		5.971				
2		6.426				
2		7.100				
2		7.187				
2		7.632				
8	PCB-1254					U
1		5.660			ND	
1		6.052				
1		6.699				
1		7.187				
1		8.087				
2		7.174				
2		7.535				
2		8.482				
2		8.915				
2		9.857				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						U
1		7.023			ND	
1		7.537				
1		8.095				
1		9.340				
1		9.809				
2		8.865				
2		9.246				
2		9.863				
2		10.861				
2		11.394				
10 PCB-1262						U
1		7.530			ND	
1		8.317				
1		9.335				
1		9.802				
1		9.866				
2		9.240				
2		10.007				
2		10.857				
2		11.382				
2		11.966				
11 PCB-1268						U
1		9.866			ND	
1		9.929				
1		10.233				
1		11.188				
2		11.378				
2		11.444				
2		11.797				
2		12.611				
* 46 PCB-205 (IS)						
1	10.854	10.853	0.001	138198572H	0	
2	12.229	12.228	0.001	121350173H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.453	11.455	-0.002	18672556H	0.0149	
2	12.945	12.948	-0.003	14607311H	0.0143	
					RPD = 4.56	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

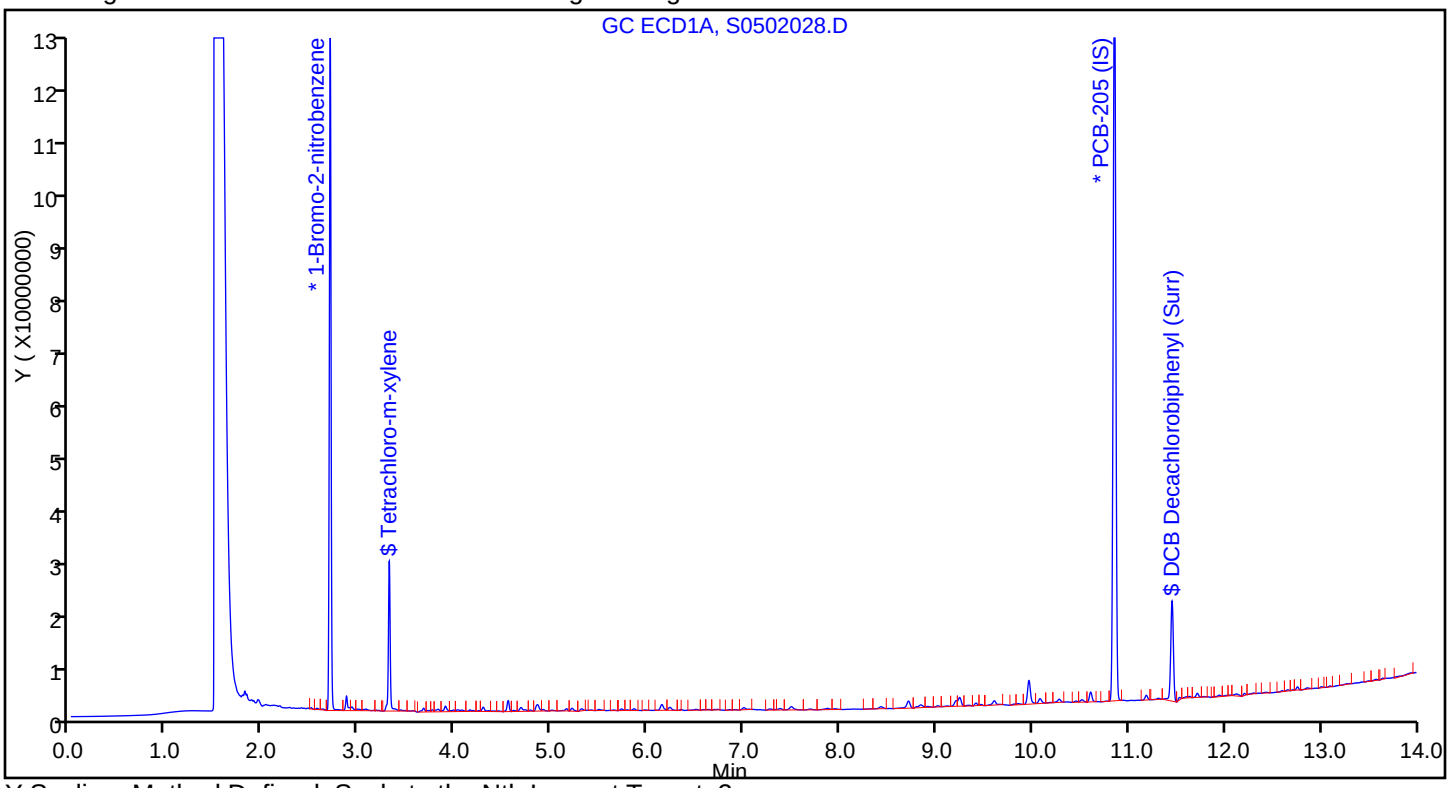
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:26 Chrom Revision: 2.2 20-Apr-2016 13:59:46

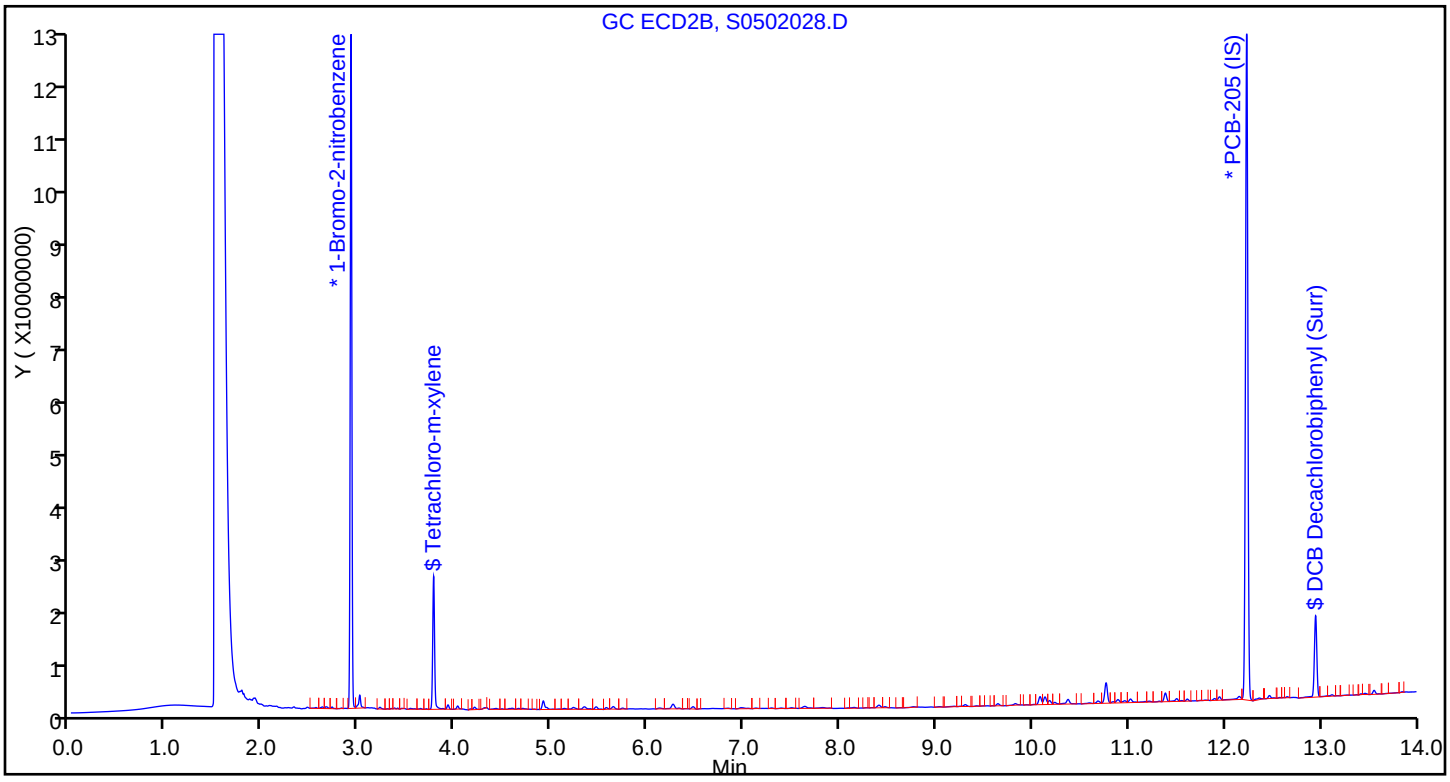
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

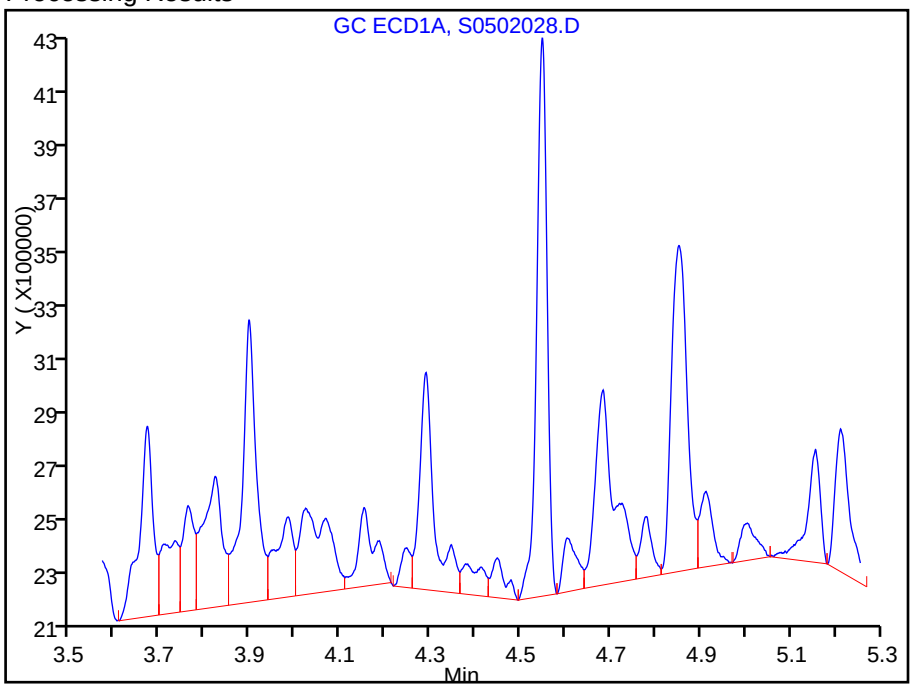
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.67	701368	0.028673
4.45	4.45	146701	0.002889
4.63	4.60	198131	0.005432
4.71	4.68	718645	0.026810
5.14	5.16	415845	0.013280
		Average =	0.011815



Reviewer: oravecj, 03-May-2016 09:48:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

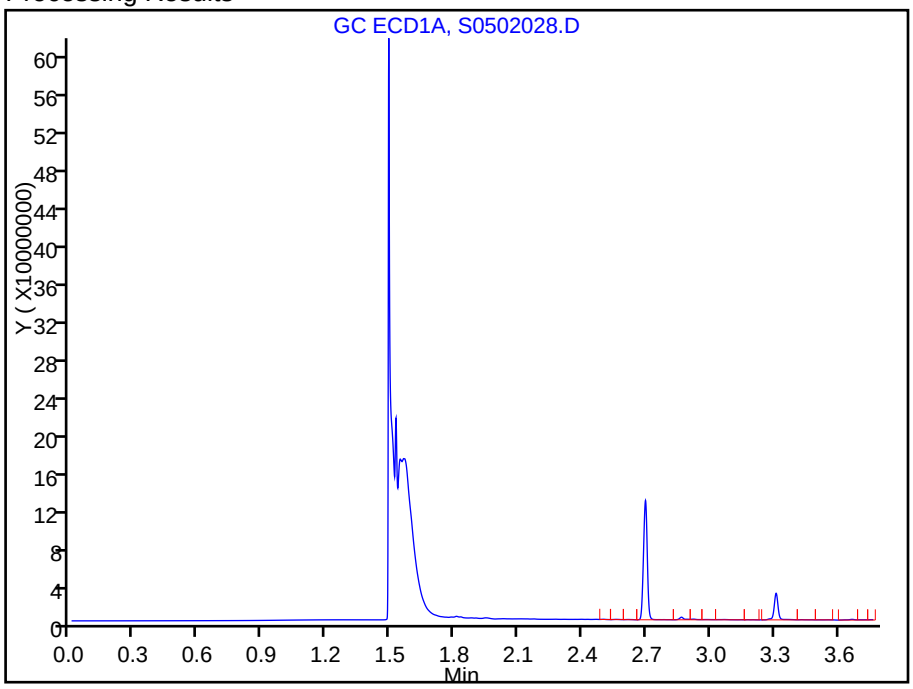
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.43	213726	0.015357
3.58			
3.62	3.67	701368	0.022379
		Average =	0.029775



Reviewer: oravecj, 03-May-2016 09:48:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

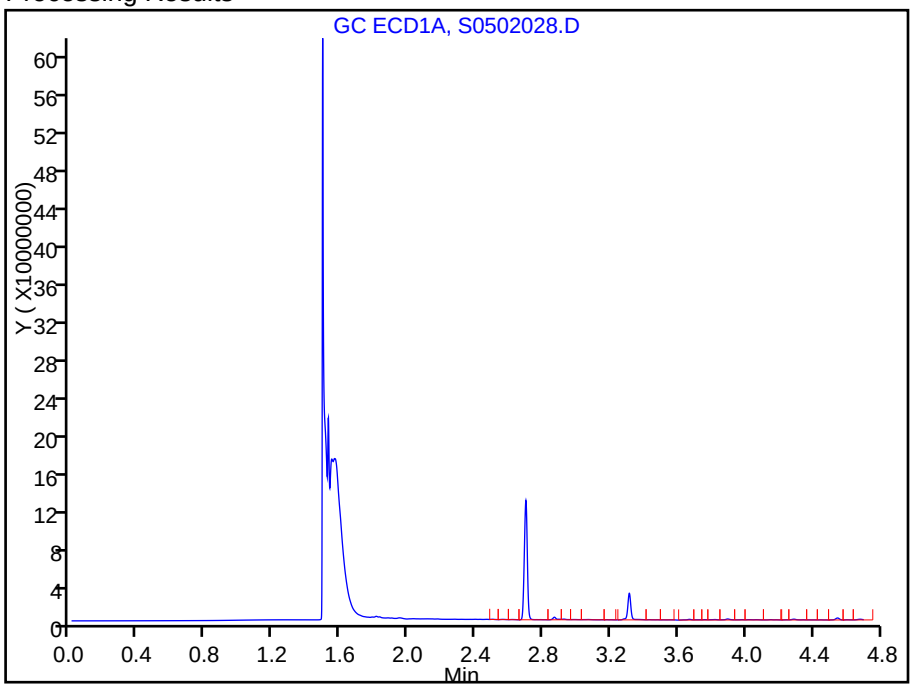
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.43	213726	0.019410
3.63	3.67	701368	0.023379
4.47	4.45	146701	0.004700
4.63	4.60	198131	0.010687
6.06			
		Average =	0.020107



Reviewer: oravecj, 03-May-2016 09:48:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

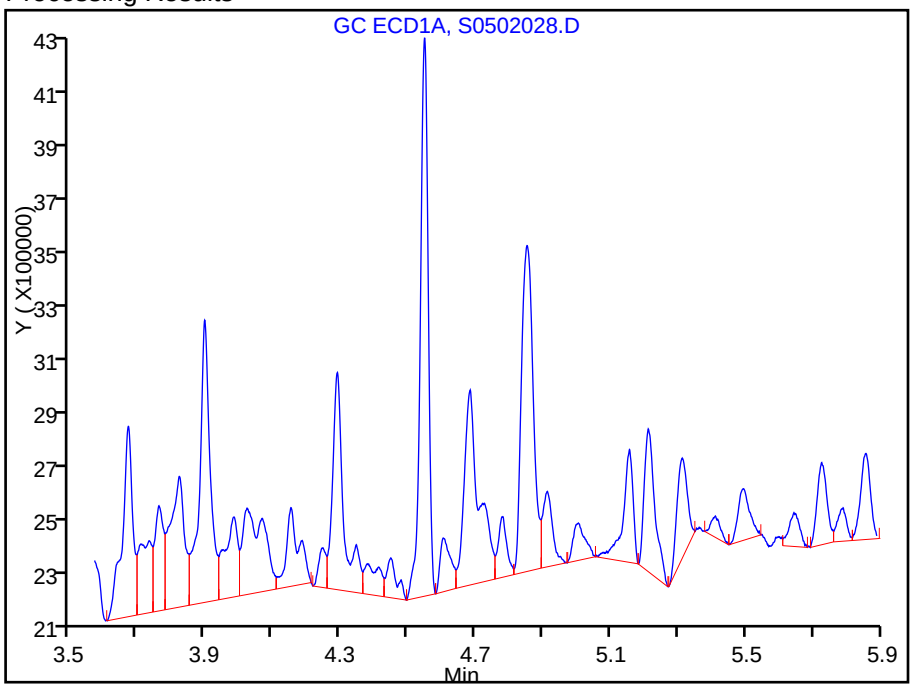
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.67	701368	0.035667
3.97	3.98	294416	0.010247
4.48	4.45	146701	0.002884
5.14	5.16	415845	0.016068
5.77	5.79	123203	0.004550
		Average =	0.011296



Reviewer: oravecj, 03-May-2016 09:48:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

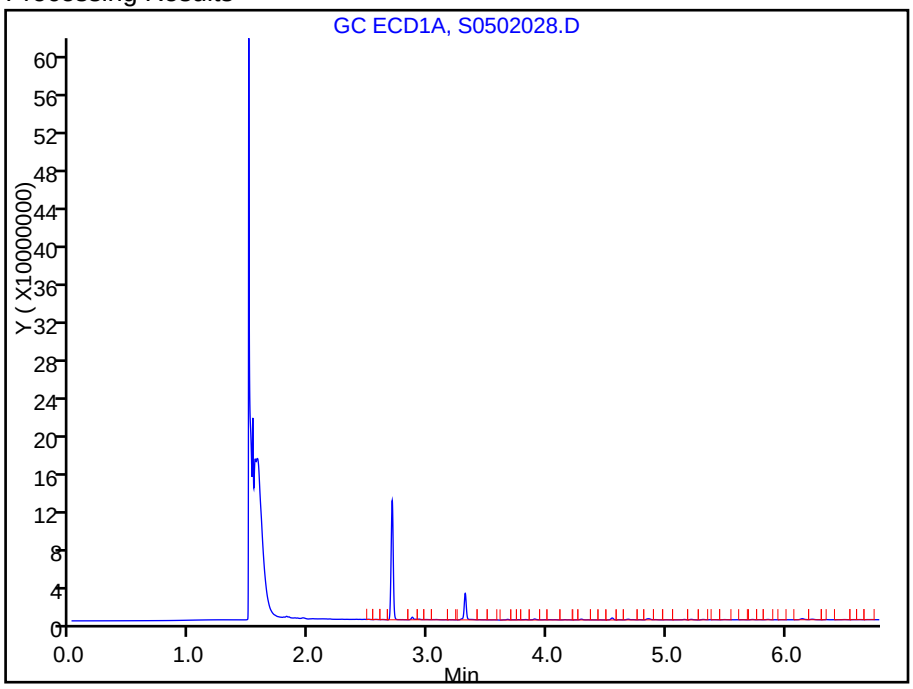
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.97	3.98	294416	0.017175
5.14	5.16	415845	0.010351
5.73	5.73	302997	0.006461
6.07			
6.70	6.69	102315	0.004403
		Average =	0.007824



Reviewer: oravecj, 03-May-2016 09:48:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

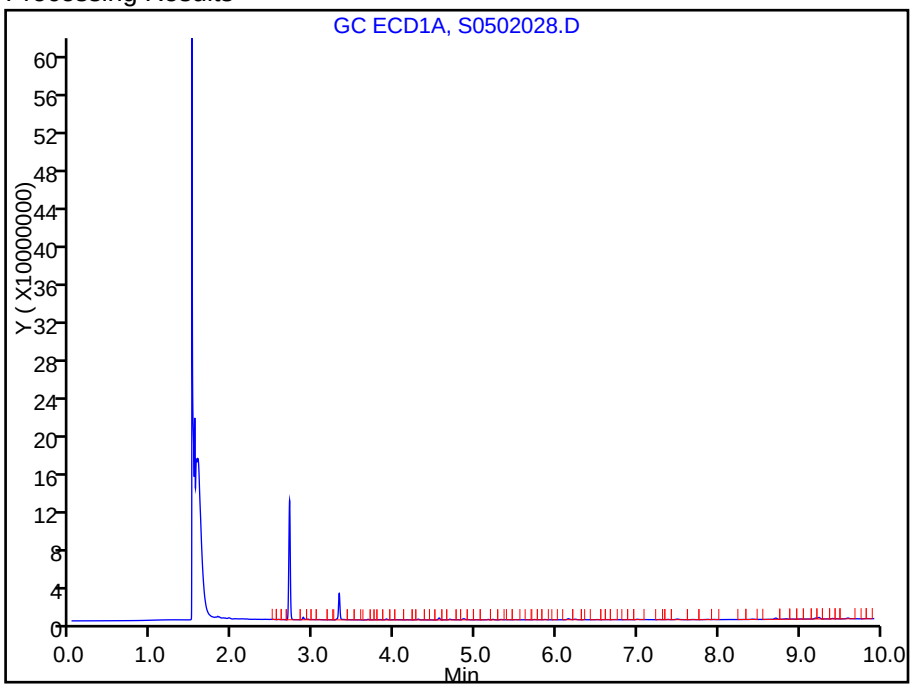
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

9 PCB-1260, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
7.02	7.00	375288	0.006705
7.54	7.50	604008	0.007419
8.10			
9.34	9.34	137853	0.001080
9.81	9.83	173401	0.002450
		Average =	0.006107



Reviewer: oravecj, 03-May-2016 09:48:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-43R3-042816 Lab Sample ID: 180-54291-2

Matrix: Water Lab File ID: S0502028.D

Analysis Method: 8082A Date Collected: 04/28/2016 09:25

Extraction Method: 3510C Date Extracted: 04/30/2016 08:35

Sample wt/vol: 980(mL) Date Analyzed: 05/02/2016 16:06

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	71		43-138
877-09-8	Tetrachloro-m-xylene	90		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D
Lims ID: 180-54291-A-2-A
Client ID: CE-MW-43R3-042816
Sample Type: Client
Inject. Date: 02-May-2016 16:06:12 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-028
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:48:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.698	2.700	-0.002	125182324 H	0.1000	
2	2.915	2.916	-0.002	120904264 H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.312	3.314	-0.002	27922954 H	0.0186	
2	3.773	3.775	-0.002	23846930 H	0.0180	
				RPD = 2.94		
3 PCB-1221						U
1		3.450		ND		
1		3.585				
1		3.624				
2		4.068				
2		4.232				
2		4.305				
4 PCB-1232						U
1		3.452		ND		
1		3.626				
1		4.474				
1		4.627				
1		6.059				
2		4.071				
2		4.307				
2		4.812				
2		5.462				
2		5.664				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.627			ND	
1		3.969				
1		4.475				
1		5.138				
1		5.770				
2		4.309				
2		4.813				
2		5.462				
2		5.664				
2		6.424				
6	PCB-1016					U
1		3.630			ND	
1		4.455				
1		4.633				
1		4.708				
1		5.142				
2		4.818				
2		5.467				
2		5.670				
2		6.429				
2		6.645				
7	PCB-1248					U
1		3.970			ND	
1		5.138				
1		5.728				
1		6.066				
1		6.705				
2		5.971				
2		6.426				
2		7.100				
2		7.187				
2		7.632				
8	PCB-1254					U
1		5.660			ND	
1		6.052				
1		6.699				
1		7.187				
1		8.087				
2		7.174				
2		7.535				
2		8.482				
2		8.915				
2		9.857				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						U
1		7.023			ND	
1		7.537				
1		8.095				
1		9.340				
1		9.809				
2		8.865				
2		9.246				
2		9.863				
2		10.861				
2		11.394				
10 PCB-1262						U
1		7.530			ND	
1		8.317				
1		9.335				
1		9.802				
1		9.866				
2		9.240				
2		10.007				
2		10.857				
2		11.382				
2		11.966				
11 PCB-1268						U
1		9.866			ND	
1		9.929				
1		10.233				
1		11.188				
2		11.378				
2		11.444				
2		11.797				
2		12.611				
* 46 PCB-205 (IS)						
1	10.854	10.853	0.001	138198572H	0	
2	12.229	12.228	0.001	121350173H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.453	11.455	-0.002	18672556H	0.0149	
2	12.945	12.948	-0.003	14607311H	0.0143	
					RPD = 4.56	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

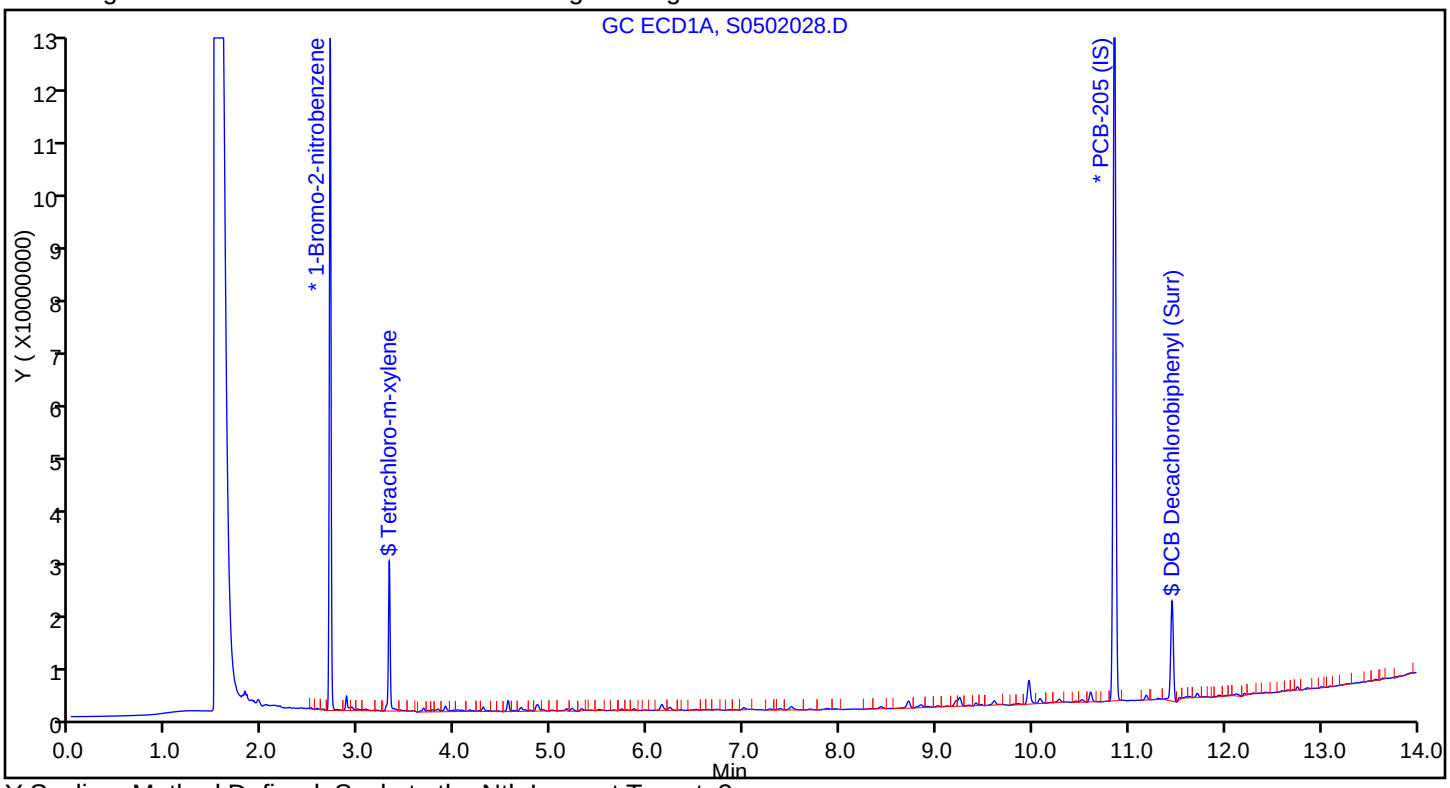
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

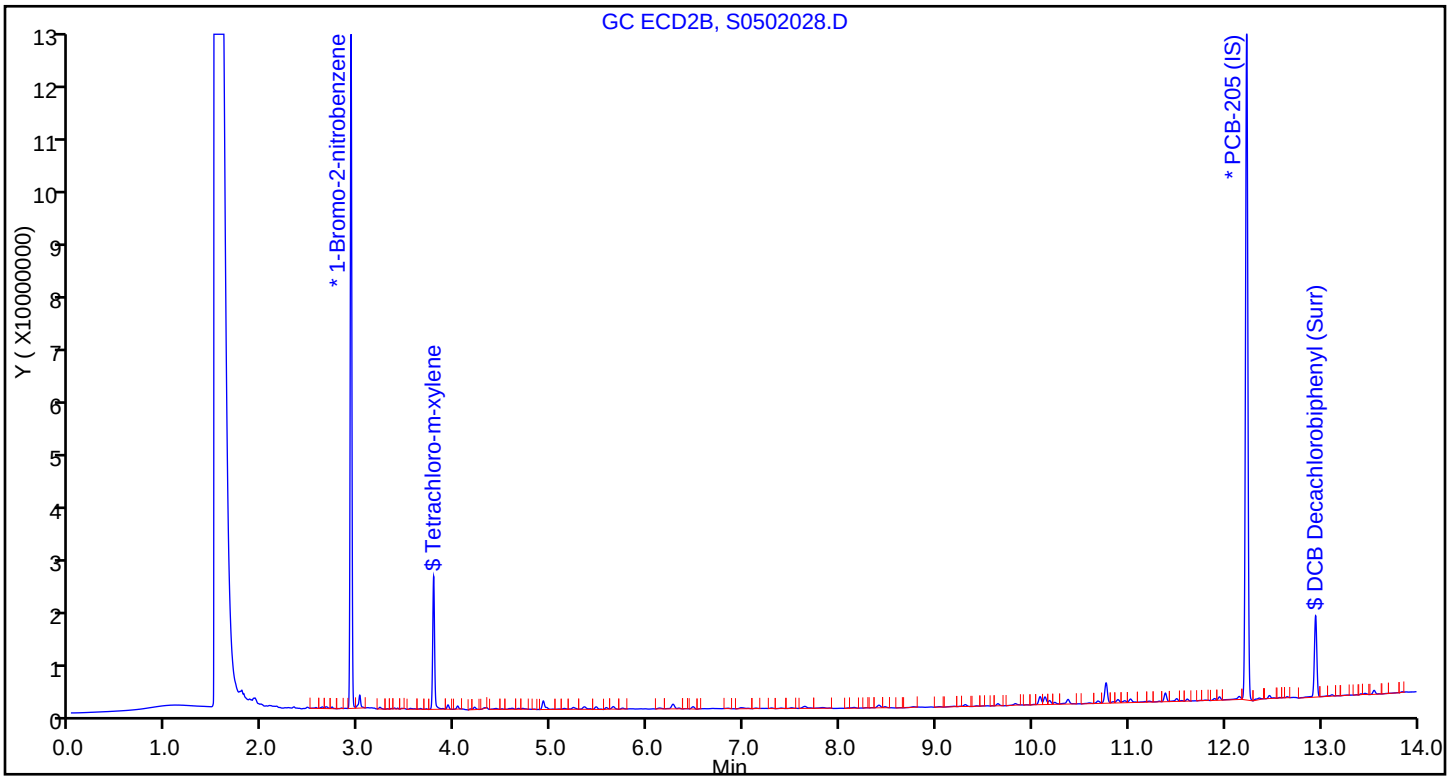
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

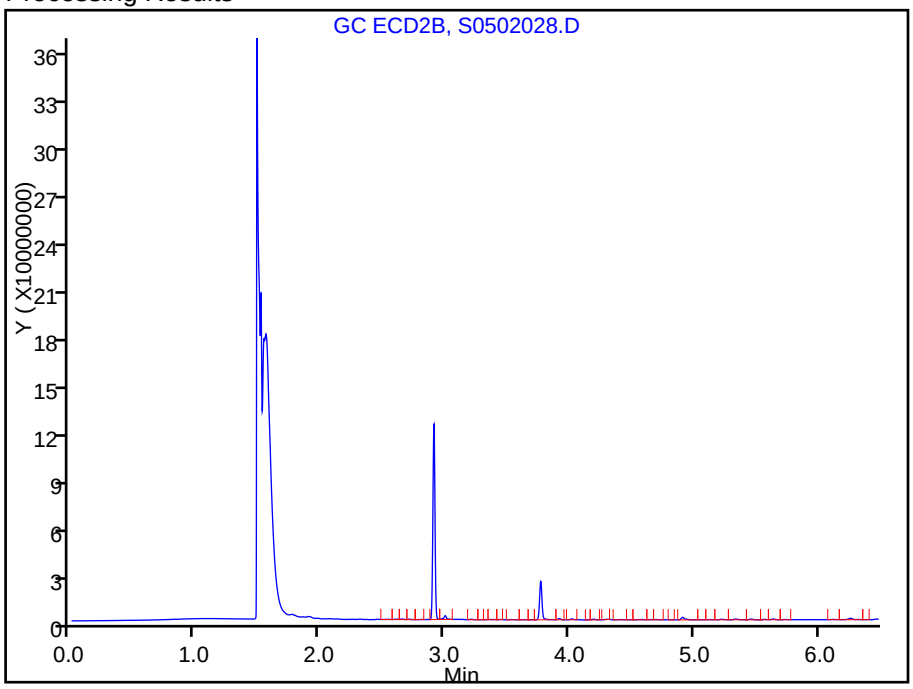
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.82	4.82	62309	0.002325
5.47	5.46	457599	0.009422
5.67	5.64	452046	0.016342
6.43	6.39	28378	0.001159
6.64			
		Average =	0.011815



Reviewer: oravecj, 03-May-2016 09:48:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

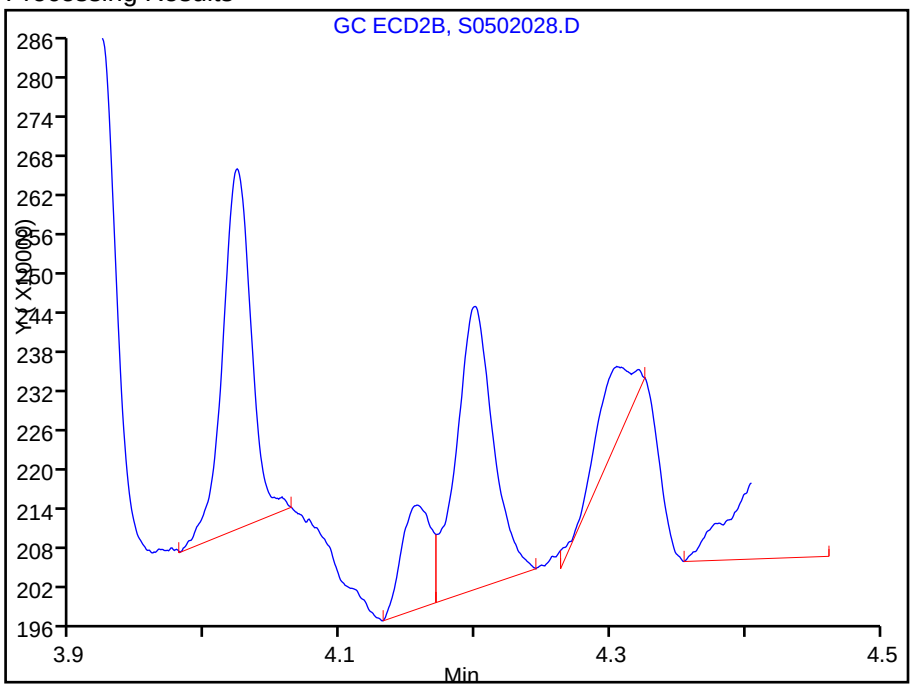
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.02	551646	0.048620
4.23	4.20	433033	0.057620
4.30	4.30	114795	0.004899
		Average =	0.029775



Reviewer: oravecj, 03-May-2016 09:48:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

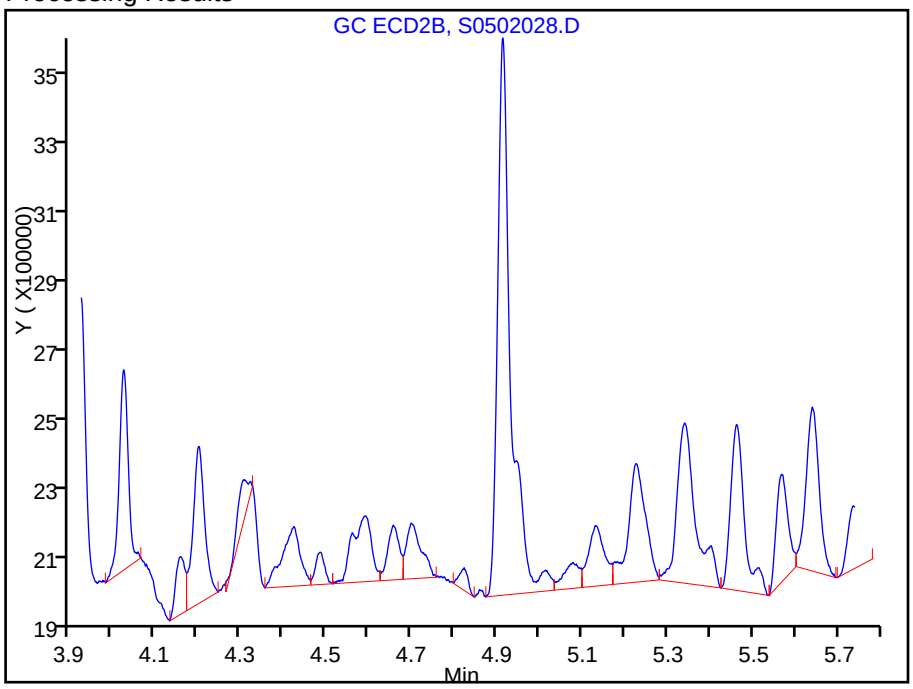
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.02	551646	0.061634
4.31	4.30	114795	0.005016
4.81	4.82	62309	0.004571
5.46	5.46	457599	0.018950
5.66	5.64	452046	0.032617
		Average =	0.020107



Reviewer: oravecj, 03-May-2016 09:48:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

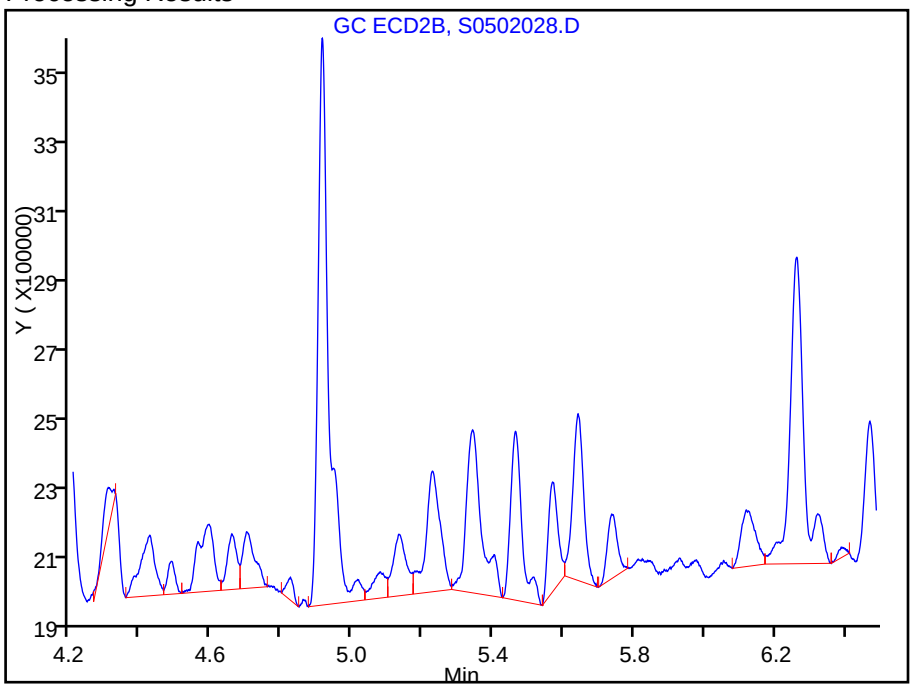
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.31	4.30	114795	0.007419
4.81	4.82	62309	0.002905
5.46	5.46	457599	0.011592
5.66	5.64	452046	0.020239
6.42	6.39	28378	0.001394
		Average =	0.011296



Reviewer: oravecj, 03-May-2016 09:48:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

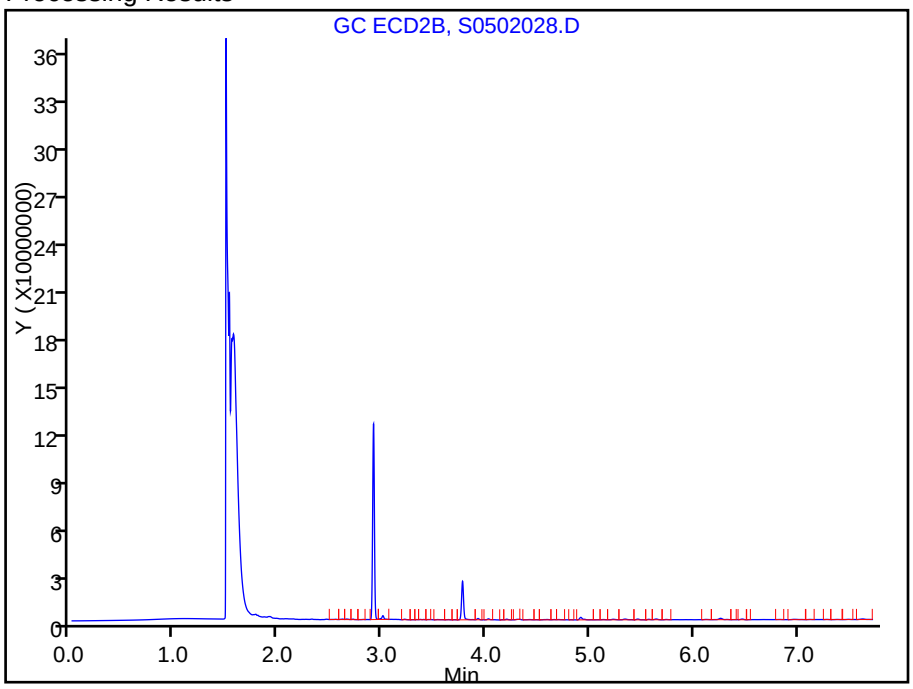
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
5.97			
6.43	6.39	28378	0.000894
7.10	7.13	85662	0.002393
7.19			
7.63	7.63	362485	0.013089
		Average =	0.007824



Reviewer: oravecj, 03-May-2016 09:48:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

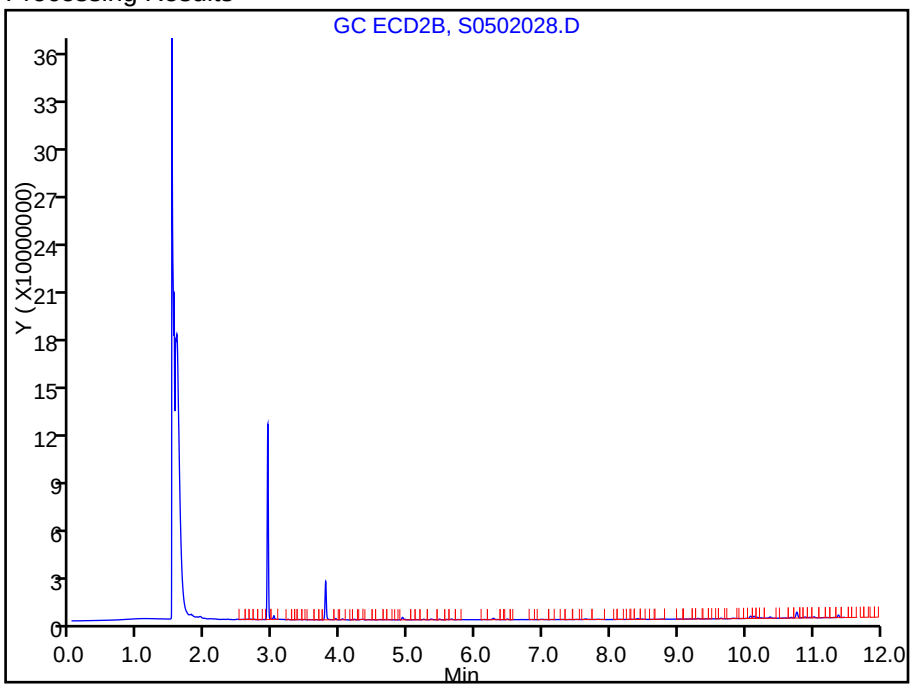
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502028.D				
Injection Date:	02-May-2016 16:06:12	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-2-A	Lab Sample ID:	180-54291-2		
Client ID:	CE-MW-43R3-042816				
Operator ID:	402331	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

9 PCB-1260, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
8.86			
9.25	9.26	61034	0.000952
9.86	9.82	271244	0.004476
10.86	10.84	232782	0.001947
11.39	11.38	1550878	0.023824
		Average =	0.006107



Reviewer: oravecj, 03-May-2016 09:48:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-42R-042816 | Lab Sample ID: 180-54291-3

Matrix: Water | Lab File ID: S0502029.D

Analysis Method: 8082A | Date Collected: 04/28/2016 10:30

Extraction Method: 3510C | Date Extracted: 04/30/2016 08:35

Sample wt/vol: 950(mL) | Date Analyzed: 05/02/2016 16:25

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.0039	U	0.011	0.0039
11104-28-2	Arochlor 1221	0.0062	U	0.011	0.0062
11141-16-5	Arochlor 1232	0.0064	U	0.011	0.0064
53469-21-9	Arochlor 1242	0.0035	U	0.011	0.0035
12672-29-6	Arochlor 1248	0.0034	U	0.011	0.0034
11097-69-1	Arochlor 1254	0.0047	U	0.011	0.0047
11096-82-5	Arochlor 1260	0.0030	U	0.011	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	126		43-138
877-09-8	Tetrachloro-m-xylene	88		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D
Lims ID: 180-54291-A-3-A
Client ID: CE-MW-42R-042816
Sample Type: Client
Inject. Date: 02-May-2016 16:25:03 ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-029
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:48:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.699	2.700	-0.001	101096964	H 0.1000	
2	2.915	2.916	-0.002	98700023	H 0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.312	3.314	-0.002	21364094	H 0.0176	
2	3.774	3.775	-0.001	18299651	H 0.0170	
					RPD = 3.72	
3 PCB-1221						U
1		3.450			ND	
1		3.585				
1		3.624				
2		4.068				
2		4.232				
2		4.305				
4 PCB-1232						U
1		3.452			ND	
1		3.626				
1		4.474				
1		4.627				
1		6.059				
2		4.071				
2		4.307				
2		4.812				
2		5.462				
2		5.664				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.627			ND	
1		3.969				
1		4.475				
1		5.138				
1		5.770				
2		4.309				
2		4.813				
2		5.462				
2		5.664				
2		6.424				
6	PCB-1016					U
1		3.630			ND	
1		4.455				
1		4.633				
1		4.708				
1		5.142				
2		4.818				
2		5.467				
2		5.670				
2		6.429				
2		6.645				
7	PCB-1248					U
1		3.970			ND	
1		5.138				
1		5.728				
1		6.066				
1		6.705				
2		5.971				
2		6.426				
2		7.100				
2		7.187				
2		7.632				
8	PCB-1254					U
1		5.660			ND	
1		6.052				
1		6.699				
1		7.187				
1		8.087				
2		7.174				
2		7.535				
2		8.482				
2		8.915				
2		9.857				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						U
1		7.023			ND	
1		7.537				
1		8.095				
1		9.340				
1		9.809				
2		8.865				
2		9.246				
2		9.863				
2		10.861				
2		11.394				
10 PCB-1262						U
1		7.530			ND	
1		8.317				
1		9.335				
1		9.802				
1		9.866				
2		9.240				
2		10.007				
2		10.857				
2		11.382				
2		11.966				
11 PCB-1268						U
1		9.866			ND	
1		9.929				
1		10.233				
1		11.188				
2		11.378				
2		11.444				
2		11.797				
2		12.611				
* 46 PCB-205 (IS)						
1	10.855	10.853	0.003	138592100H	0	
2	12.230	12.228	0.002	119472228H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.453	11.455	-0.002	25514159H	0.0253	
2	12.946	12.948	-0.002	20148329H	0.0241	
					RPD = 4.70	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

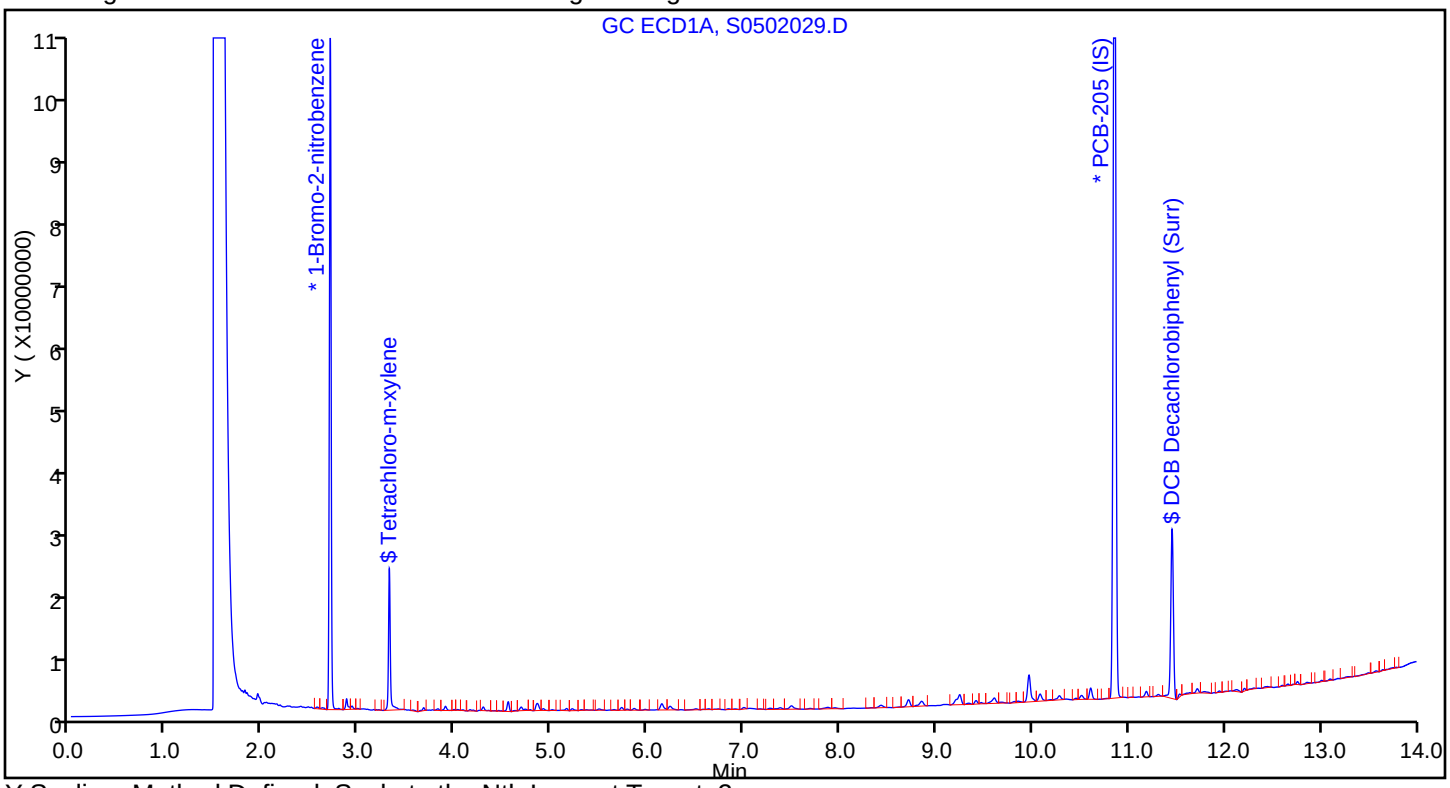
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

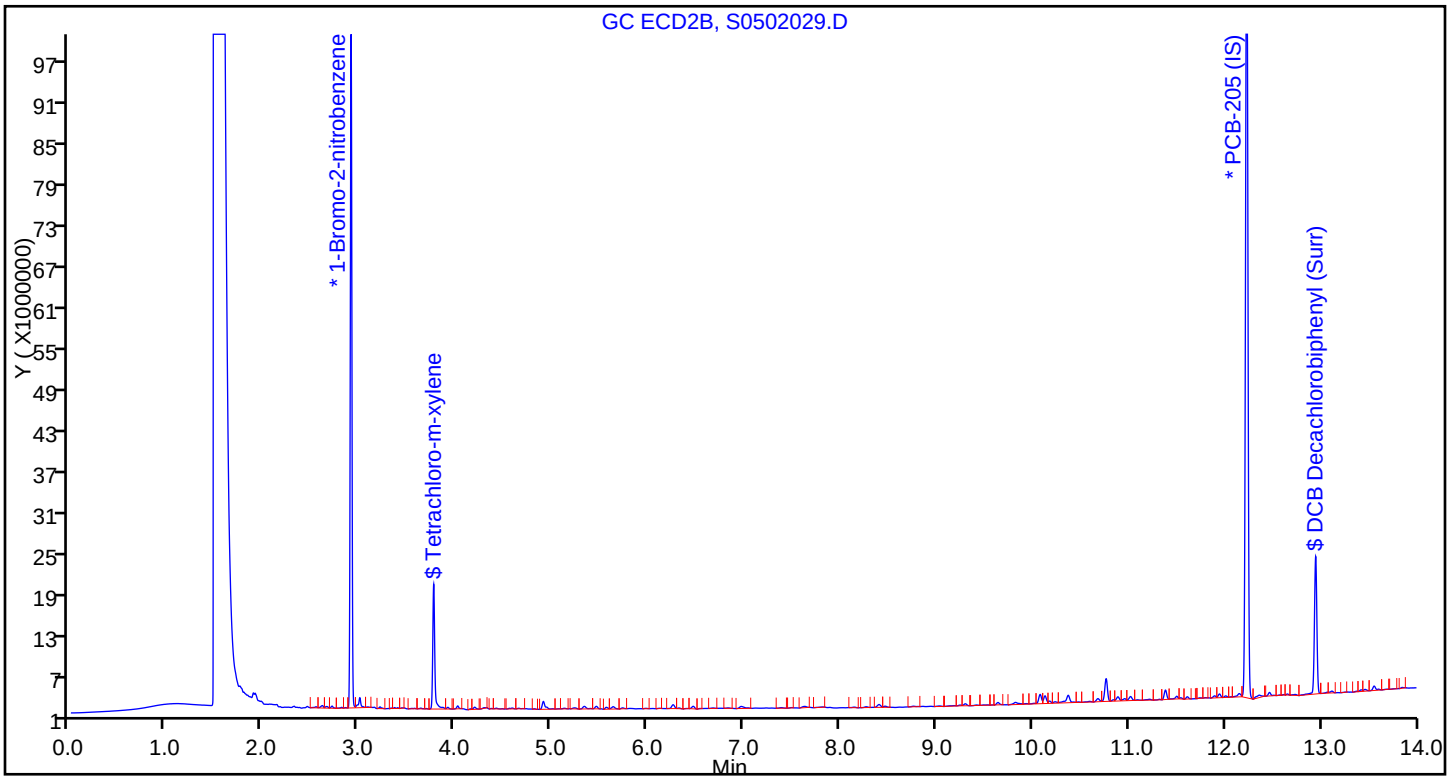
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

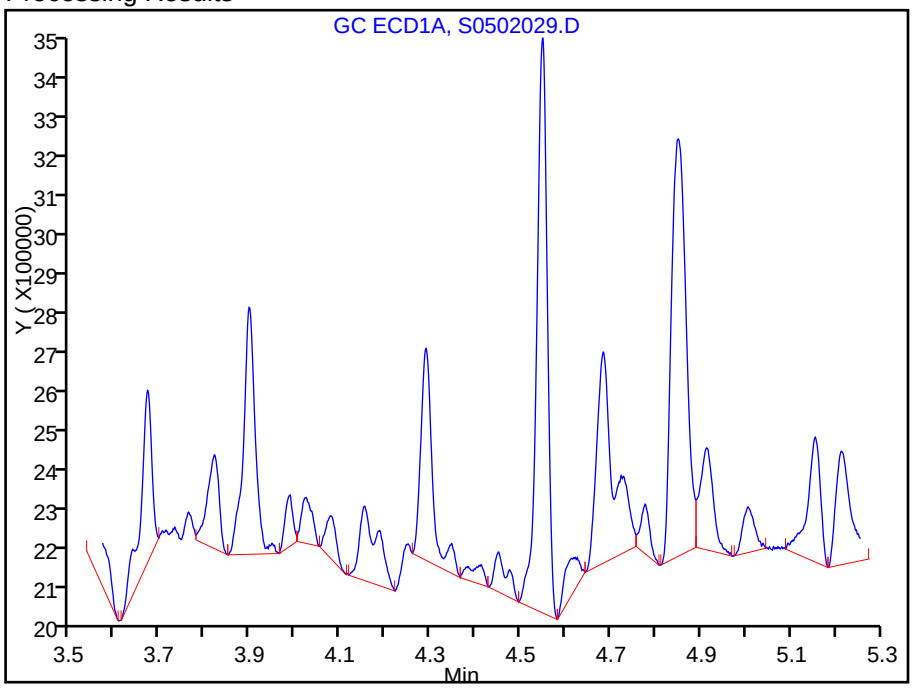
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.67	439357	0.022241
4.45	4.45	101949	0.002486
4.63	4.62	79349	0.002694
4.71	4.68	539373	0.024916
5.14	5.16	318879	0.012609
		Average =	0.009755



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

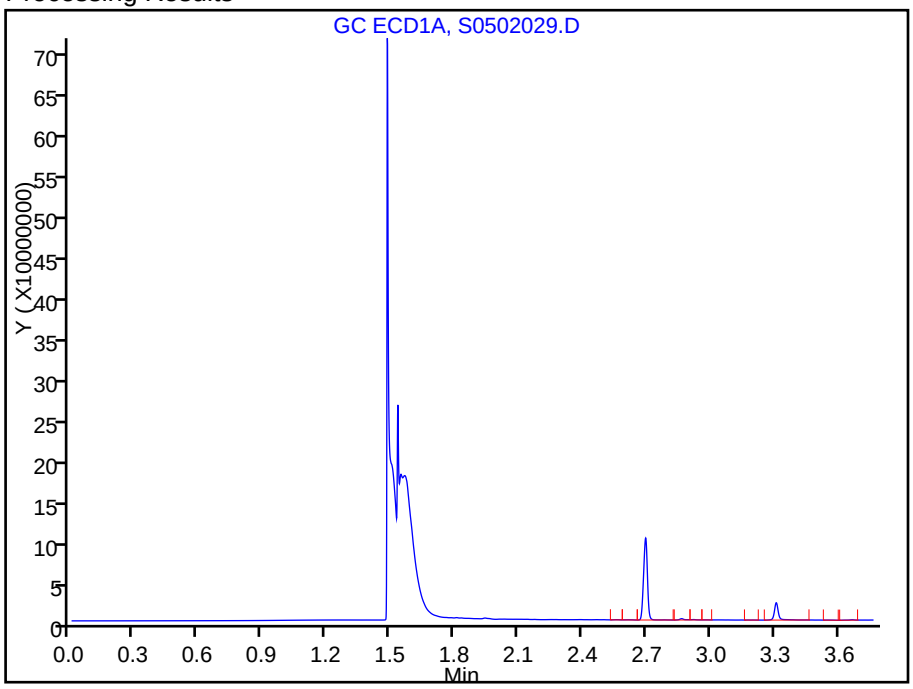
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45			
3.58	3.56	117340	0.016159
3.62	3.67	439357	0.017359
		Average =	0.026892



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

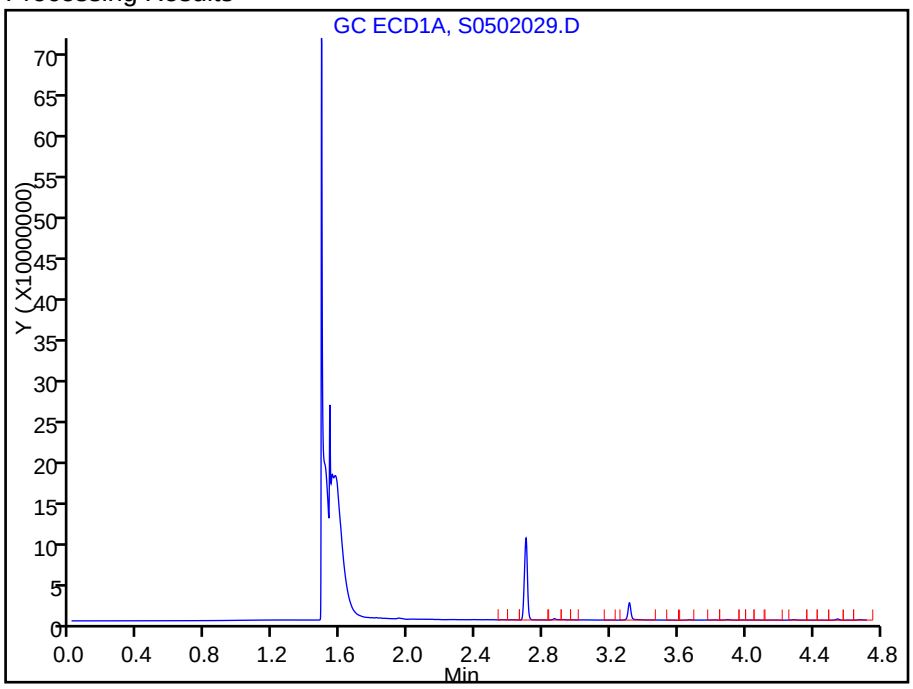
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45			
3.63	3.67	439357	0.018134
4.47	4.45	101949	0.004045
4.63	4.62	79349	0.005300
6.06			
		Average =	0.018015



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

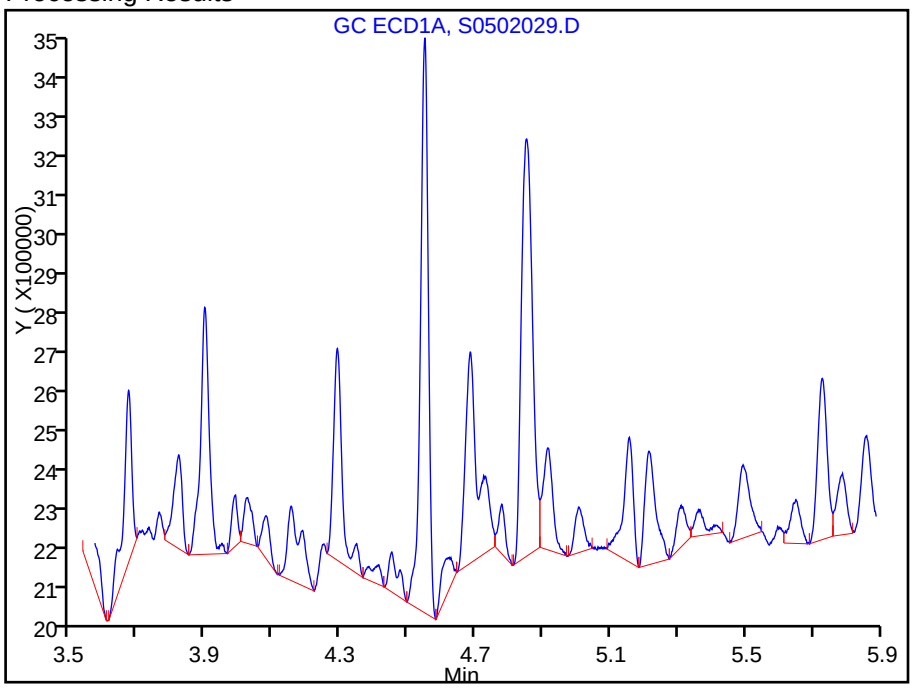
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.67	439357	0.027666
3.97	3.99	130203	0.005611
4.48	4.45	101949	0.002482
5.14	5.16	318879	0.015257
5.77	5.79	156383	0.007151
		Average =	0.010094



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

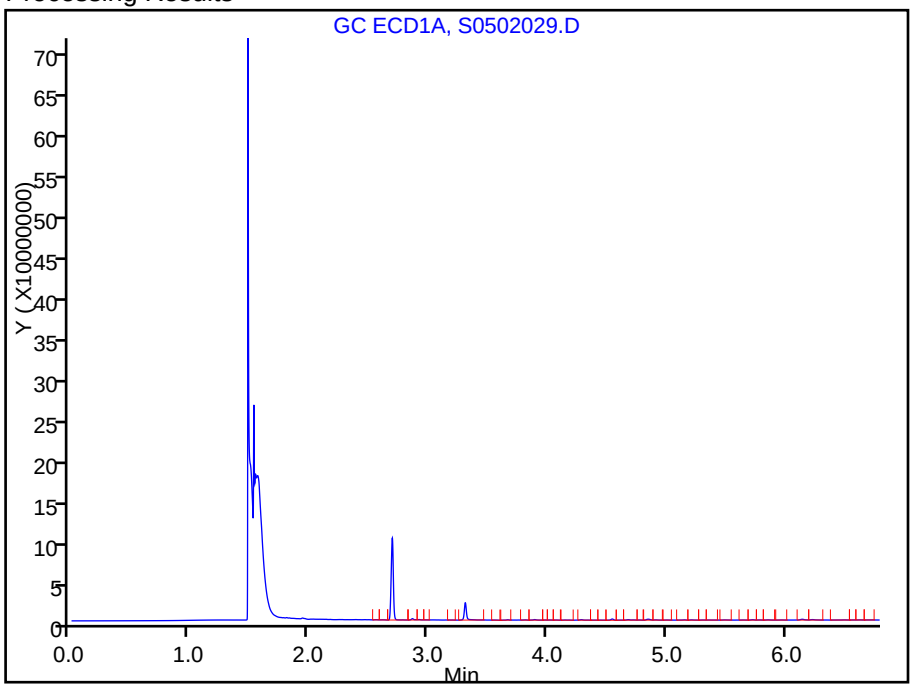
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.97	3.99	130203	0.009405
5.14	5.16	318879	0.009829
5.73	5.73	411900	0.010876
6.07			
6.70	6.70	54157	0.002886
		Average =	0.006411



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

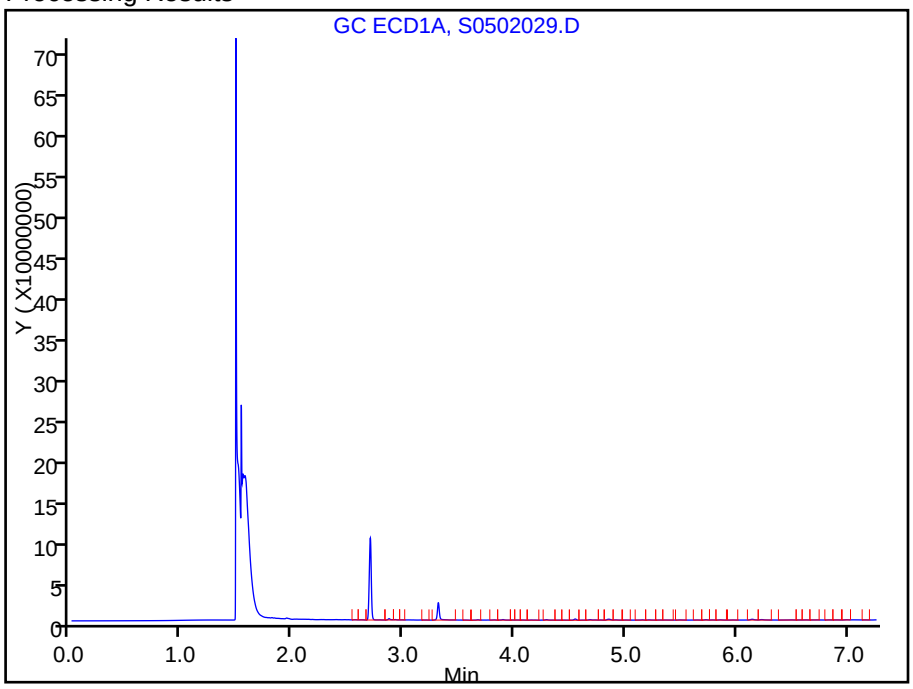
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
5.66	5.65	112092	0.003451
6.05			
6.70	6.70	54157	0.000874
7.19	7.17	51770	0.001117
8.09			
		Average =	0.002794



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

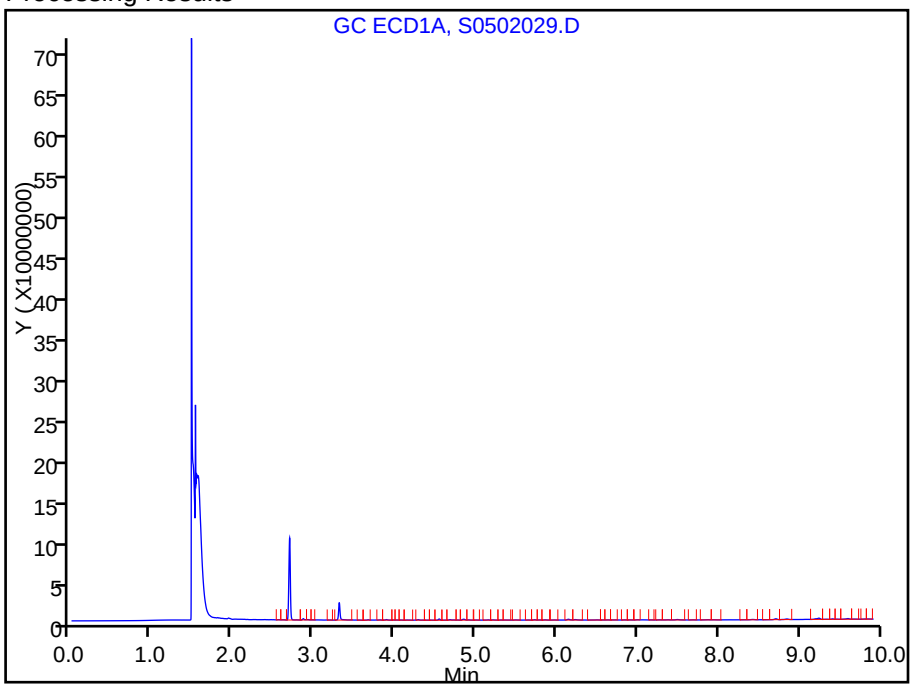
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

9 PCB-1260, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
7.02	7.00	229921	0.005087
7.54	7.50	503119	0.007653
8.10			
9.34	9.33	184578	0.001791
9.81	9.82	195294	0.003417
		Average =	0.006799



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-42R-042816 Lab Sample ID: 180-54291-3

Matrix: Water Lab File ID: S0502029.D

Analysis Method: 8082A Date Collected: 04/28/2016 10:30

Extraction Method: 3510C Date Extracted: 04/30/2016 08:35

Sample wt/vol: 950(mL) Date Analyzed: 05/02/2016 16:25

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	121		43-138
877-09-8	Tetrachloro-m-xylene	85		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D
Lims ID: 180-54291-A-3-A
Client ID: CE-MW-42R-042816
Sample Type: Client
Inject. Date: 02-May-2016 16:25:03 ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-029
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:48:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.699	2.700	-0.001	101096964	H 0.1000	
2	2.915	2.916	-0.002	98700023	H 0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.312	3.314	-0.002	21364094	H 0.0176	
2	3.774	3.775	-0.001	18299651	H 0.0170	
					RPD = 3.72	
3 PCB-1221						U
1		3.450			ND	
1		3.585				
1		3.624				
2		4.068				
2		4.232				
2		4.305				
4 PCB-1232						U
1		3.452			ND	
1		3.626				
1		4.474				
1		4.627				
1		6.059				
2		4.071				
2		4.307				
2		4.812				
2		5.462				
2		5.664				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.627			ND	
1		3.969				
1		4.475				
1		5.138				
1		5.770				
2		4.309				
2		4.813				
2		5.462				
2		5.664				
2		6.424				
6	PCB-1016					U
1		3.630			ND	
1		4.455				
1		4.633				
1		4.708				
1		5.142				
2		4.818				
2		5.467				
2		5.670				
2		6.429				
2		6.645				
7	PCB-1248					U
1		3.970			ND	
1		5.138				
1		5.728				
1		6.066				
1		6.705				
2		5.971				
2		6.426				
2		7.100				
2		7.187				
2		7.632				
8	PCB-1254					U
1		5.660			ND	
1		6.052				
1		6.699				
1		7.187				
1		8.087				
2		7.174				
2		7.535				
2		8.482				
2		8.915				
2		9.857				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						U
1		7.023			ND	
1		7.537				
1		8.095				
1		9.340				
1		9.809				
2		8.865				
2		9.246				
2		9.863				
2		10.861				
2		11.394				
10 PCB-1262						U
1		7.530			ND	
1		8.317				
1		9.335				
1		9.802				
1		9.866				
2		9.240				
2		10.007				
2		10.857				
2		11.382				
2		11.966				
11 PCB-1268						U
1		9.866			ND	
1		9.929				
1		10.233				
1		11.188				
2		11.378				
2		11.444				
2		11.797				
2		12.611				
* 46 PCB-205 (IS)						
1	10.855	10.853	0.003	138592100H	0	
2	12.230	12.228	0.002	119472228H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.453	11.455	-0.002	25514159H	0.0253	
2	12.946	12.948	-0.002	20148329H	0.0241	
					RPD = 4.70	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

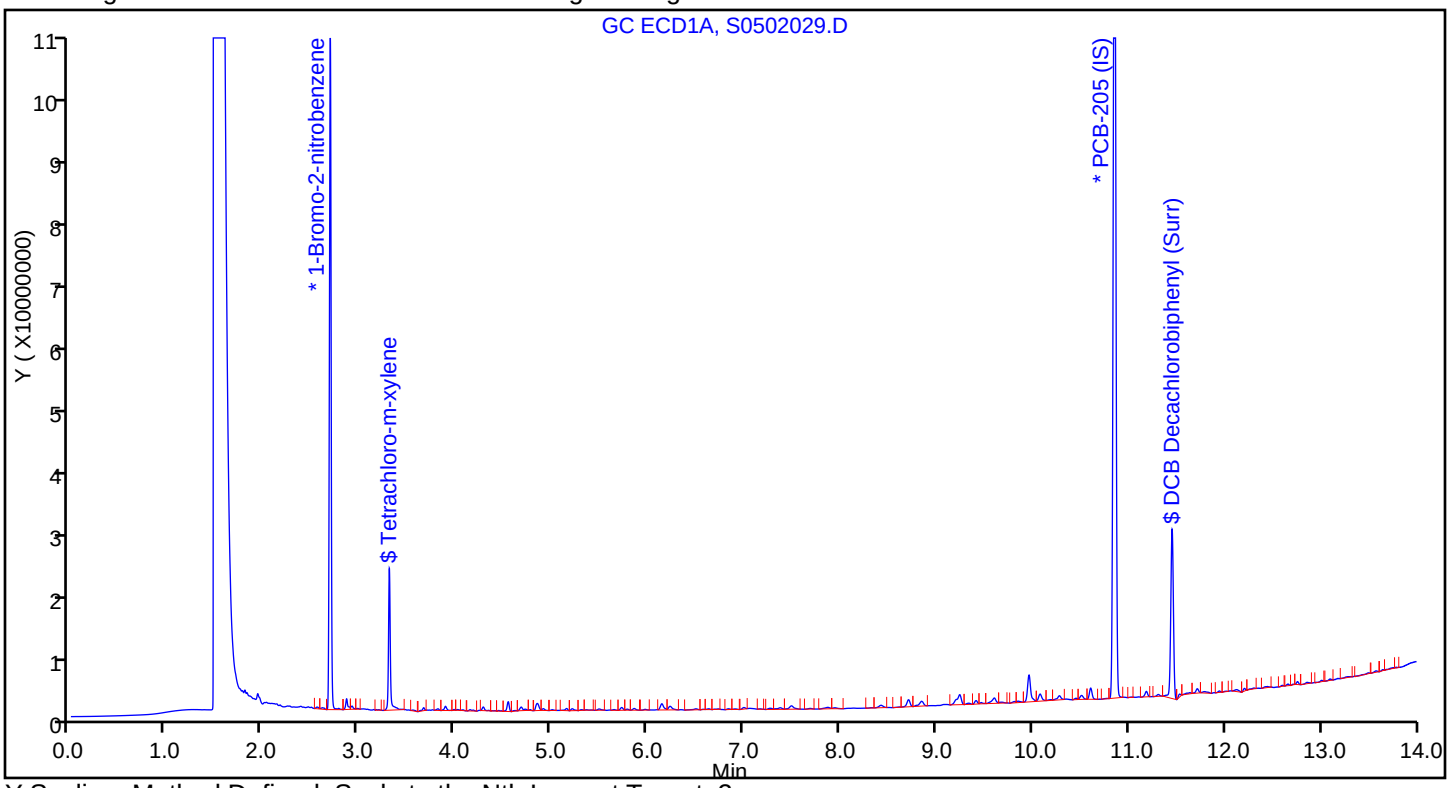
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

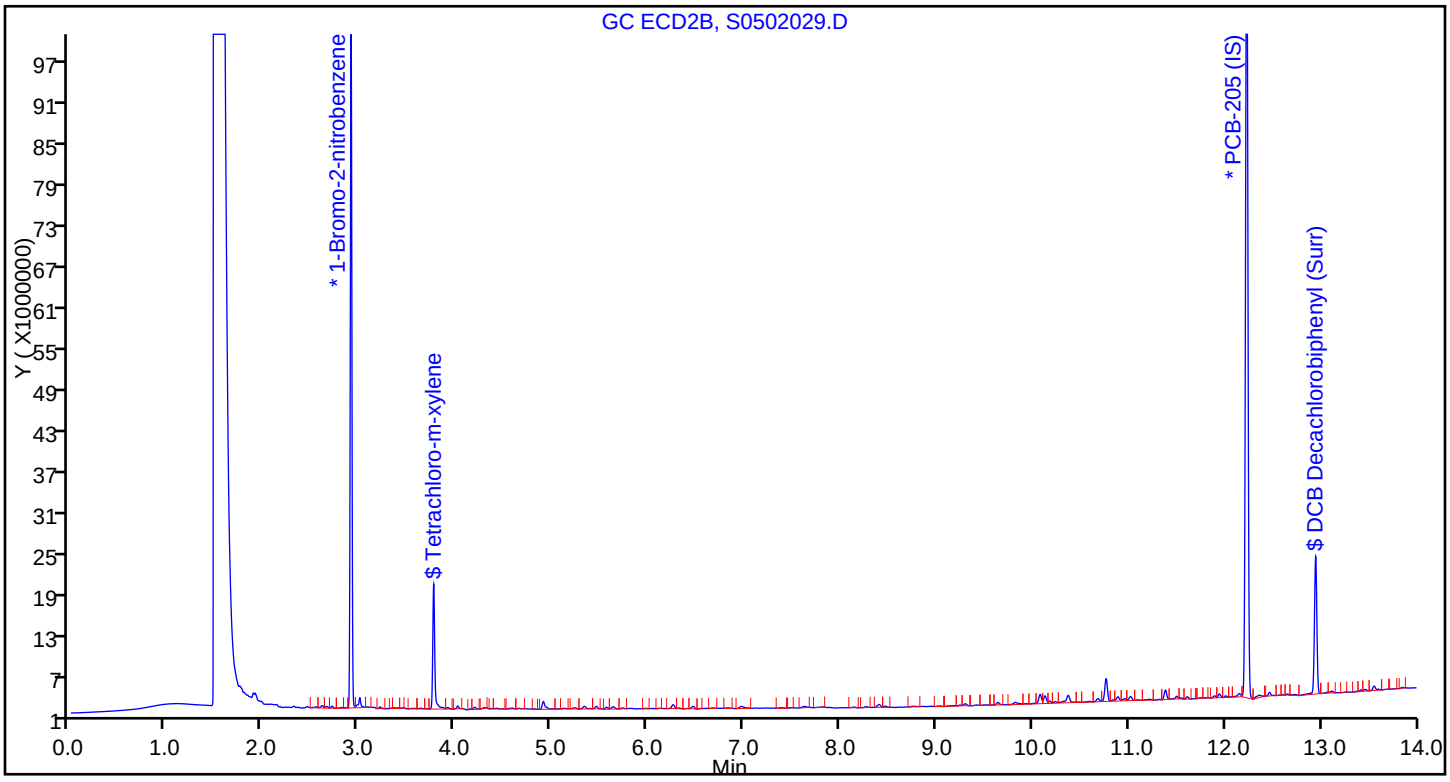
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

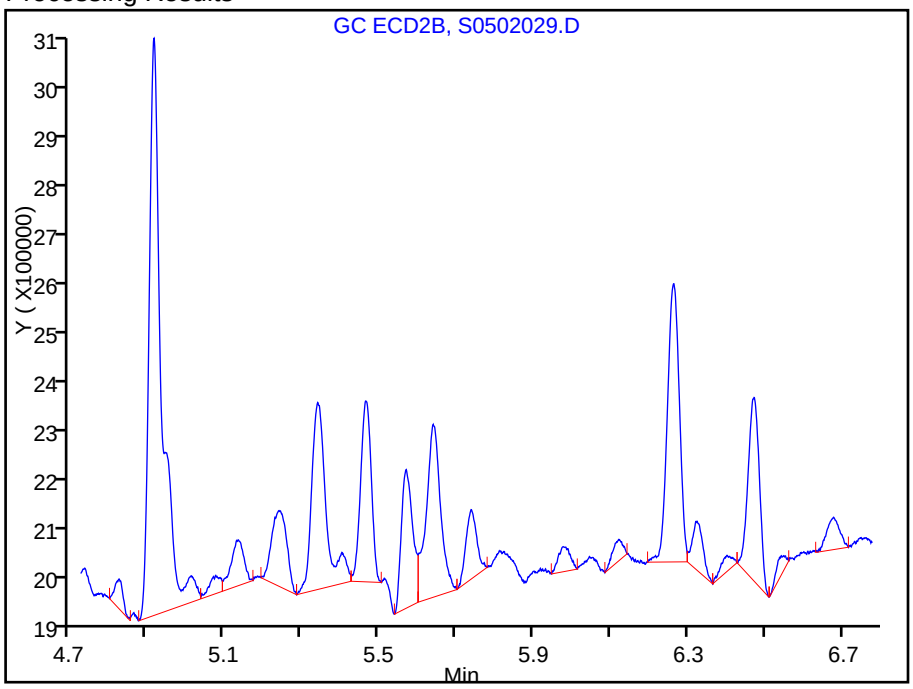
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.82	4.82	59629	0.002725
5.47	5.46	361428	0.009116
5.67	5.64	345382	0.015294
6.43	6.40	32381	0.001620
6.64	6.68	64595	0.003850
		Average =	0.009755



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

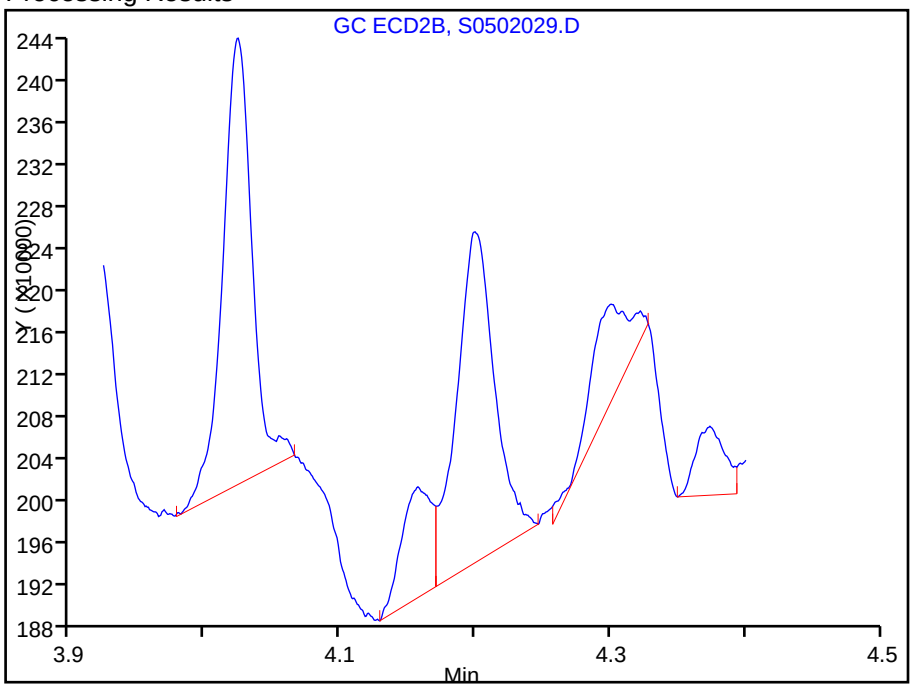
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.02	420221	0.045369
4.23	4.20	311557	0.050783
4.30	4.30	91671	0.004793
		Average =	0.026892



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

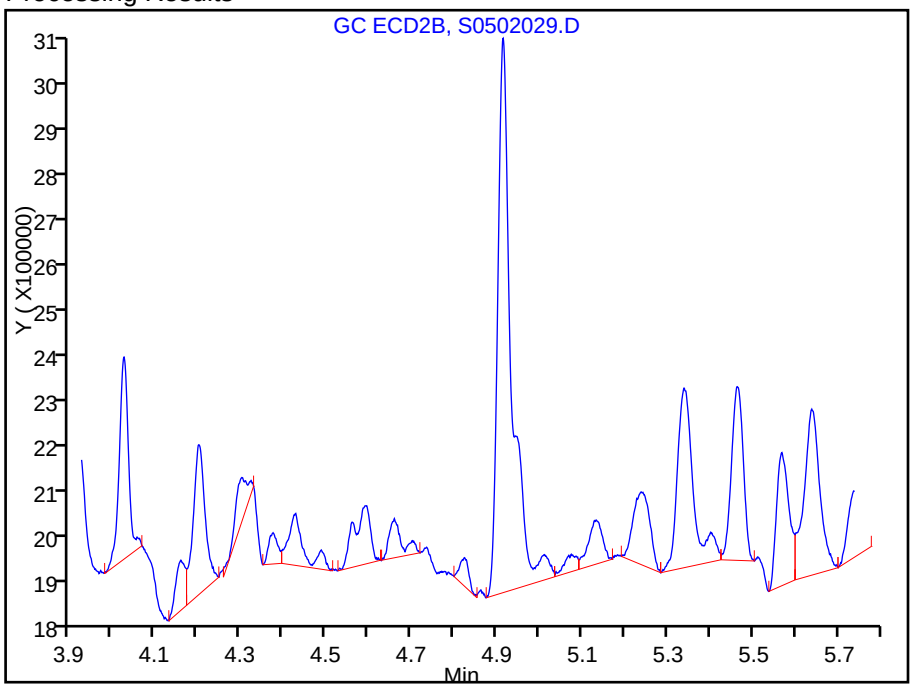
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.02	420221	0.057513
4.31	4.30	91671	0.004906
4.81	4.82	59629	0.005359
5.46	5.46	361428	0.018335
5.66	5.64	345382	0.030527
		Average =	0.018015



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

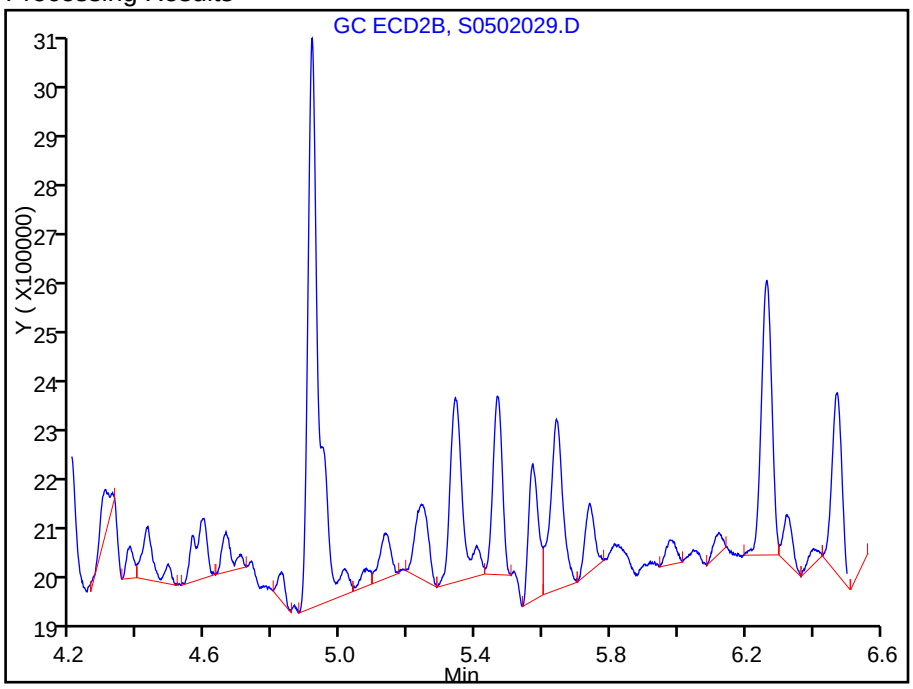
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.31	4.30	91671	0.007257
4.81	4.82	59629	0.003405
5.46	5.46	361428	0.011216
5.66	5.64	345382	0.018942
6.42	6.40	32381	0.001948
		Average =	0.010094



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

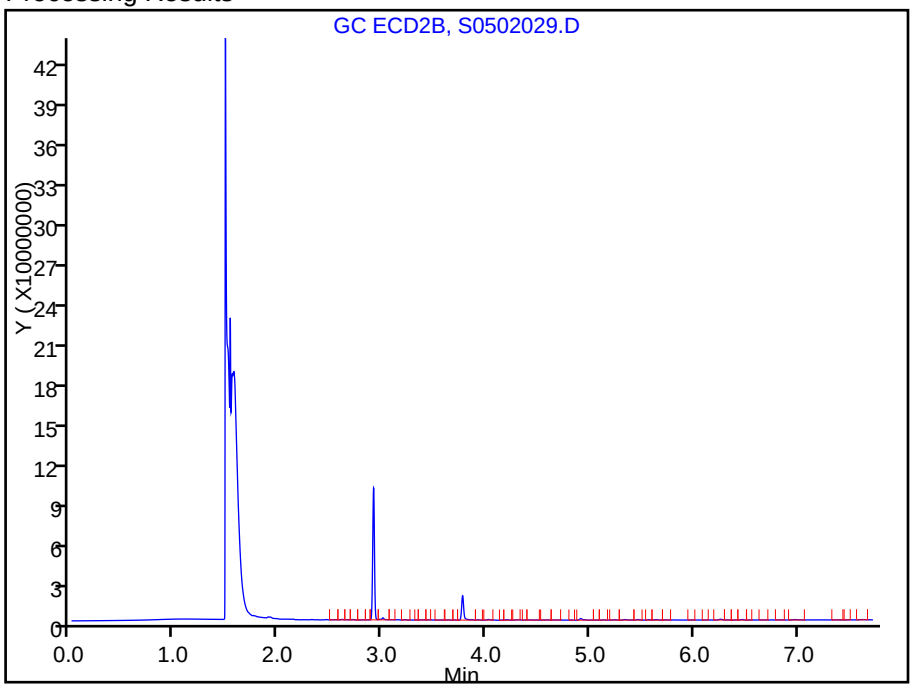
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
5.97	5.98	50152	0.002424
6.43	6.40	32381	0.001249
7.10			
7.19			
7.63	7.63	185563	0.008208
		Average =	0.006411



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

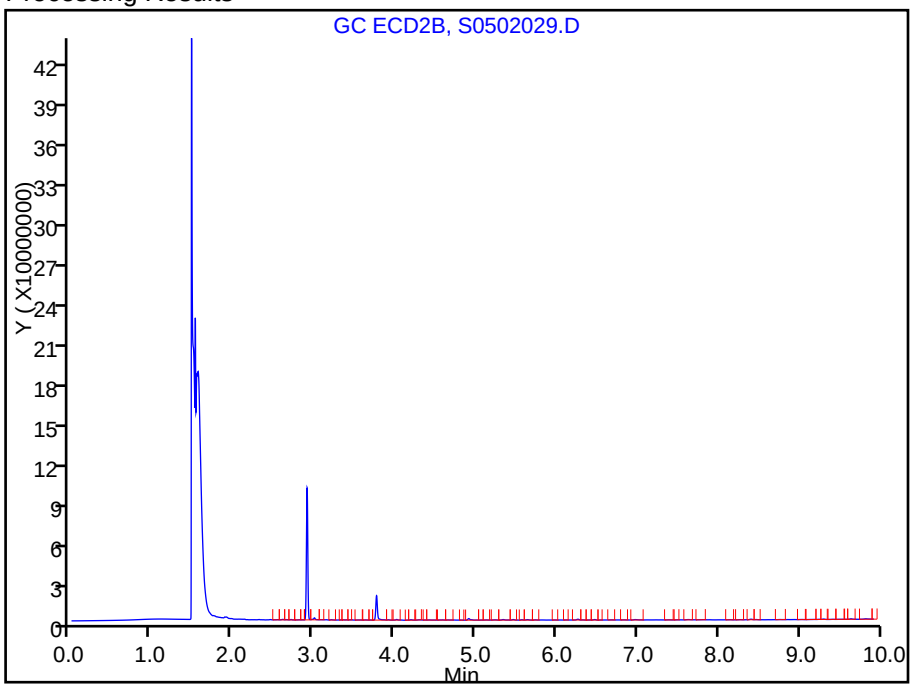
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
7.17			
7.53	7.49	45723	0.001392
8.48	8.47	165834	0.003200
8.91			
9.86	9.82	314658	0.006729
		Average =	0.002794



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

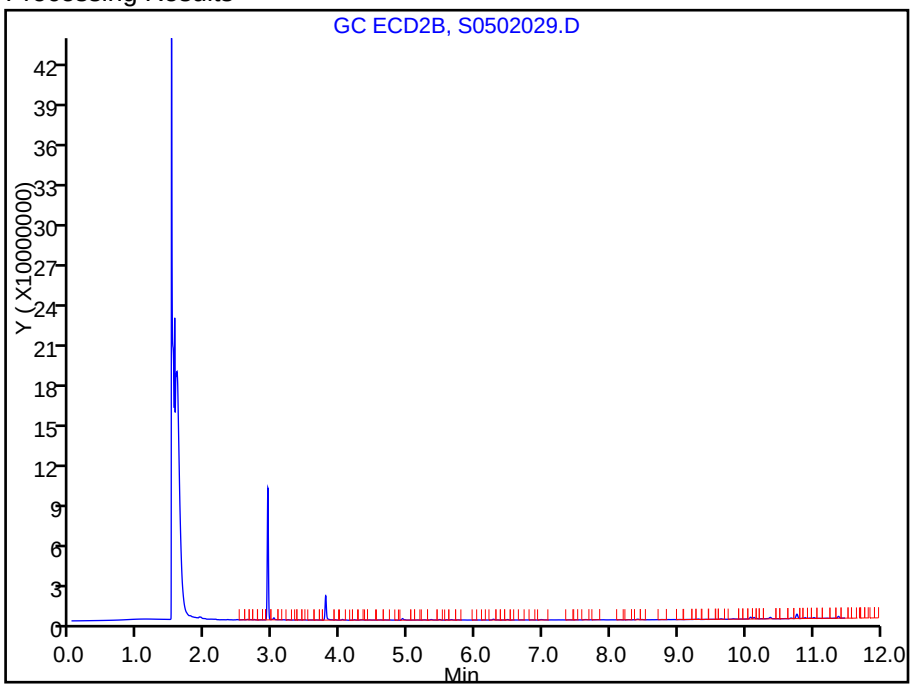
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502029.D				
Injection Date:	02-May-2016 16:25:03	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-3-A	Lab Sample ID:	180-54291-3		
Client ID:	CE-MW-42R-042816				
Operator ID:	402331	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

9 PCB-1260, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
8.86			
9.25	9.25	112804	0.002156
9.86	9.82	314658	0.006361
10.86	10.85	193422	0.001982
11.39	11.38	1379076	0.025950
		Average =	0.006799



Reviewer: oravecj, 03-May-2016 09:48:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-41R2-042816 | Lab Sample ID: 180-54291-4

Matrix: Water | Lab File ID: S0502030.D

Analysis Method: 8082A | Date Collected: 04/28/2016 11:50

Extraction Method: 3510C | Date Extracted: 04/30/2016 08:35

Sample wt/vol: 950(mL) | Date Analyzed: 05/02/2016 16:43

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.0039	U	0.011	0.0039
11104-28-2	Arochlor 1221	0.0062	U	0.011	0.0062
11141-16-5	Arochlor 1232	0.0064	U	0.011	0.0064
53469-21-9	Arochlor 1242	0.0035	U	0.011	0.0035
12672-29-6	Arochlor 1248	0.0034	U	0.011	0.0034
11097-69-1	Arochlor 1254	0.0047	U	0.011	0.0047
11096-82-5	Arochlor 1260	0.0030	U	0.011	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	71		43-138
877-09-8	Tetrachloro-m-xylene	86		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D
Lims ID: 180-54291-A-4-A
Client ID: CE-MW-41R2-042816
Sample Type: Client
Inject. Date: 02-May-2016 16:43:54 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-030
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:49:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.700	2.700	0.001	149513237H	0.1000	
2	2.916	2.916	0.000	148497882H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.313	3.314	-0.001	30759377H	0.0171	
2	3.774	3.775	-0.001	26042554H	0.0160	
					RPD = 6.60	
3 PCB-1221						U
1		3.450			ND	
1		3.585				
1		3.624				
2		4.068				
2		4.232				
2		4.305				
4 PCB-1232						U
1		3.452			ND	
1		3.626				
1		4.474				
1		4.627				
1		6.059				
2		4.071				
2		4.307				
2		4.812				
2		5.462				
2		5.664				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.627			ND	
1		3.969				
1		4.475				
1		5.138				
1		5.770				
2		4.309				
2		4.813				
2		5.462				
2		5.664				
2		6.424				
6	PCB-1016					U
1		3.630			ND	
1		4.455				
1		4.633				
1		4.708				
1		5.142				
2		4.818				
2		5.467				
2		5.670				
2		6.429				
2		6.645				
7	PCB-1248					U
1		3.970			ND	
1		5.138				
1		5.728				
1		6.066				
1		6.705				
2		5.971				
2		6.426				
2		7.100				
2		7.187				
2		7.632				
8	PCB-1254					U
1		5.660			ND	
1		6.052				
1		6.699				
1		7.187				
1		8.087				
2		7.174				
2		7.535				
2		8.482				
2		8.915				
2		9.857				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						U
1		7.023			ND	
1		7.537				
1		8.095				
1		9.340				
1		9.809				
2		8.865				
2		9.246				
2		9.863				
2		10.861				
2		11.394				
10 PCB-1262						U
1		7.530			ND	
1		8.317				
1		9.335				
1		9.802				
1		9.866				
2		9.240				
2		10.007				
2		10.857				
2		11.382				
2		11.966				
11 PCB-1268						U
1		9.866			ND	
1		9.929				
1		10.233				
1		11.188				
2		11.378				
2		11.444				
2		11.797				
2		12.611				
* 46 PCB-205 (IS)						
1	10.855	10.853	0.002	151204764H	0	
2	12.230	12.228	0.002	131719248H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.454	11.455	-0.001	21296310H	0.0143	
2	12.948	12.948	0.000	17402985H	0.0138	
					RPD = 2.99	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

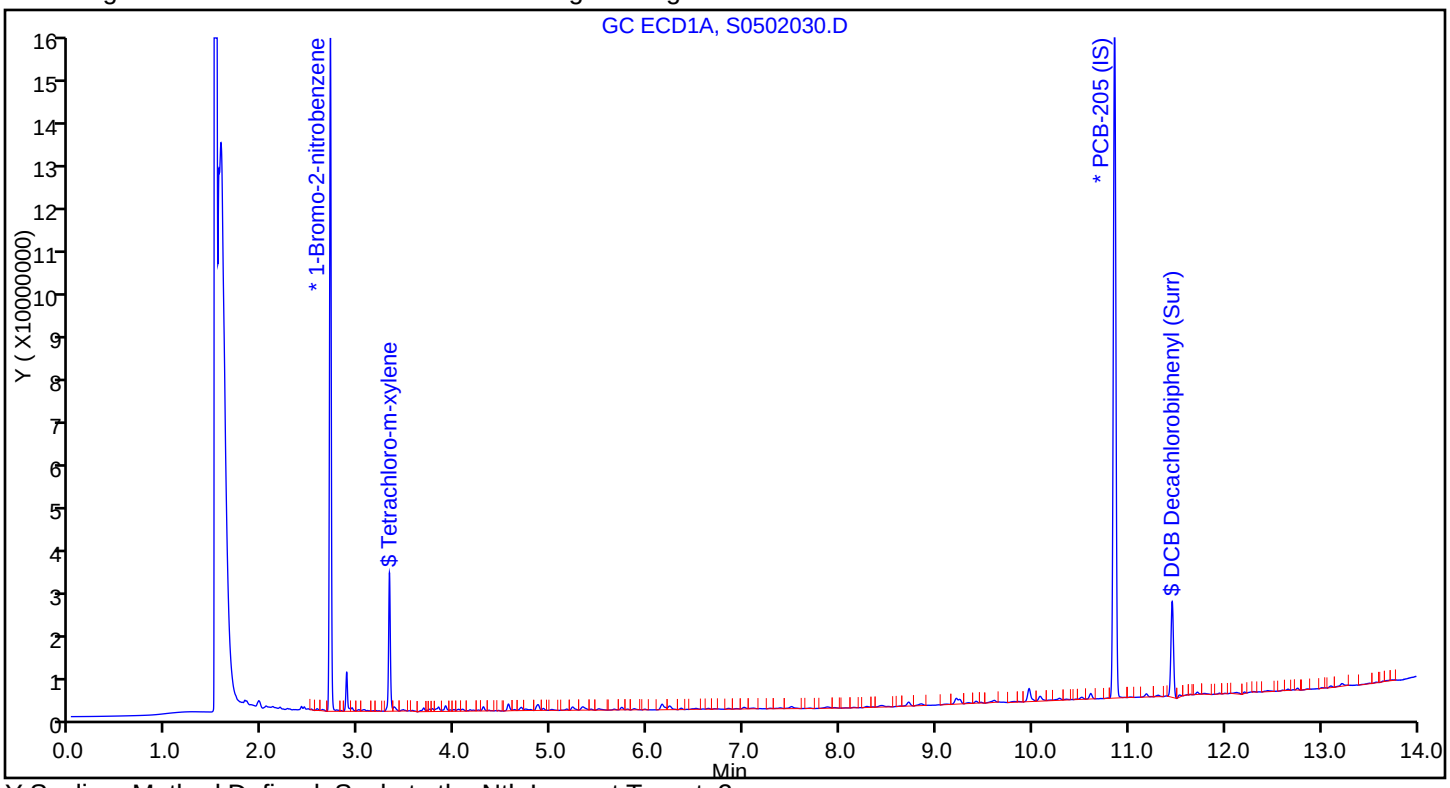
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:20 Chrom Revision: 2.2 20-Apr-2016 13:59:46

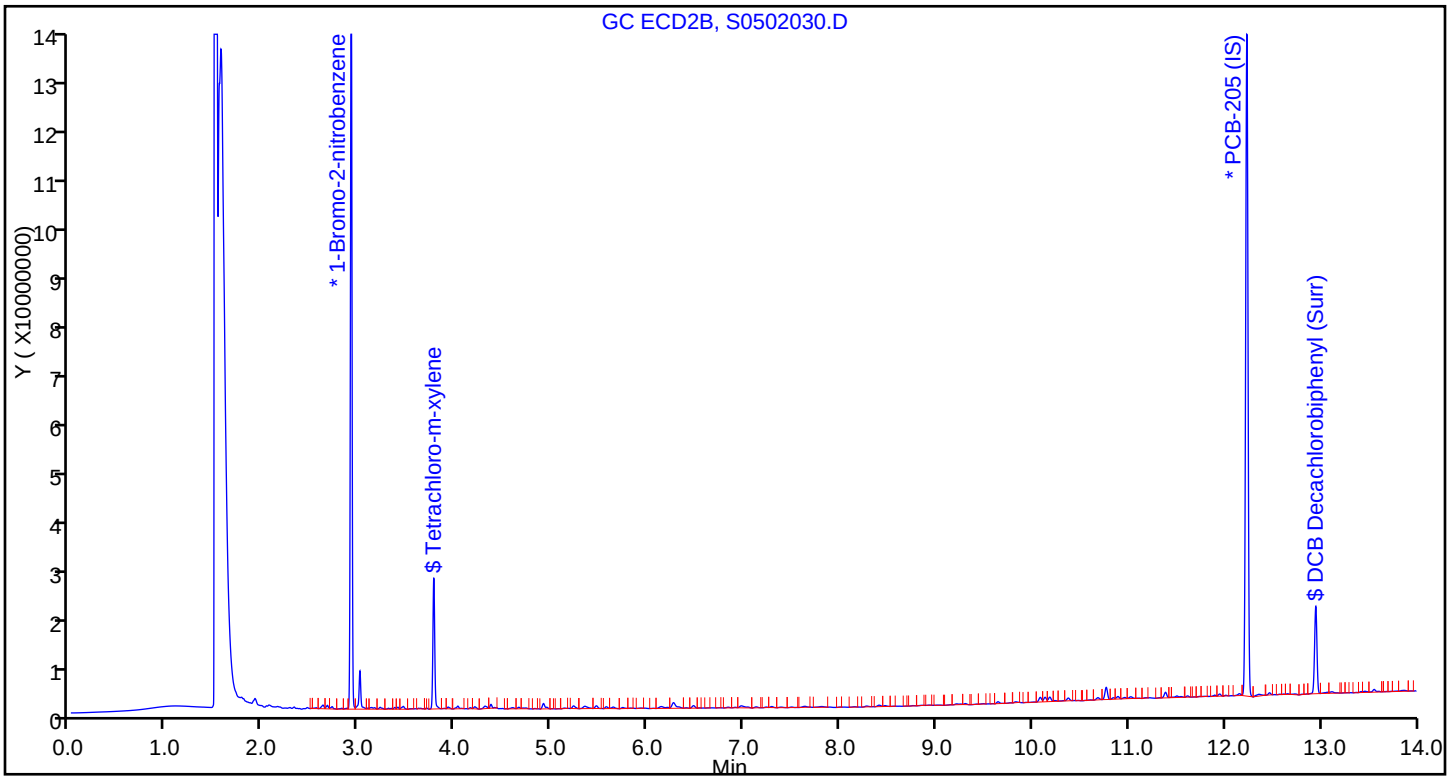
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

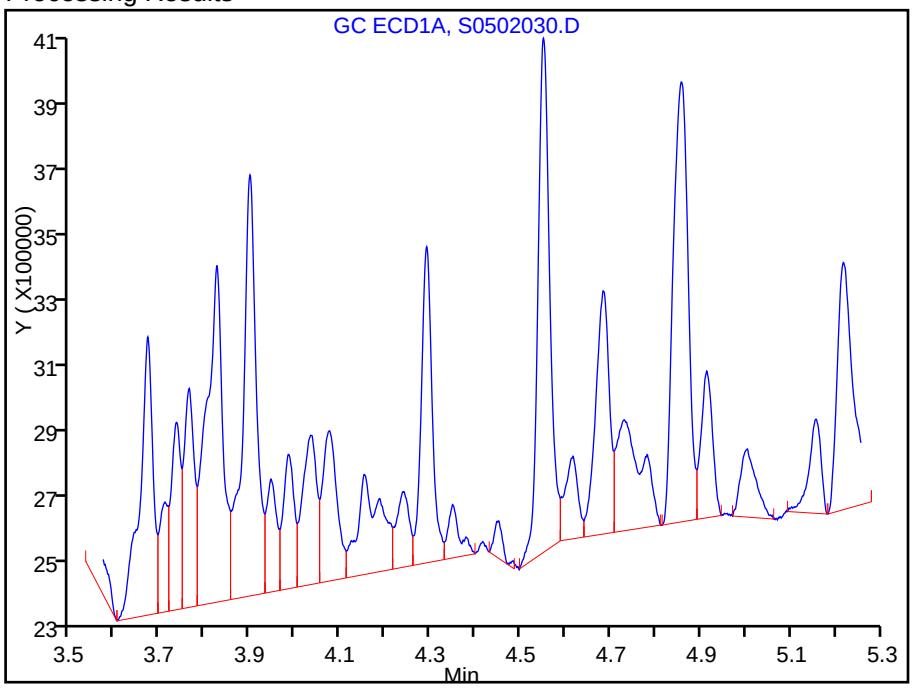
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.67	812221	0.027802
4.45	4.45	109028	0.001798
4.63	4.62	240736	0.005526
4.71	4.73	323729	0.010112
5.14	5.16	274704	0.007345
		Average =	0.007574



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

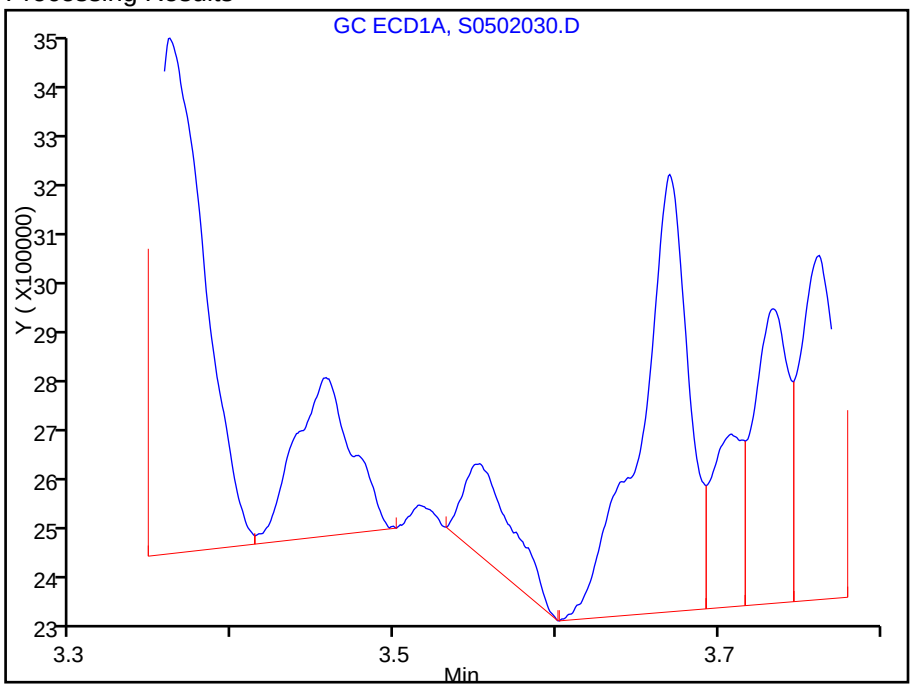
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.46	294281	0.017704
3.58	3.55	170255	0.015854
3.62	3.67	812221	0.021699
		Average =	0.025808



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

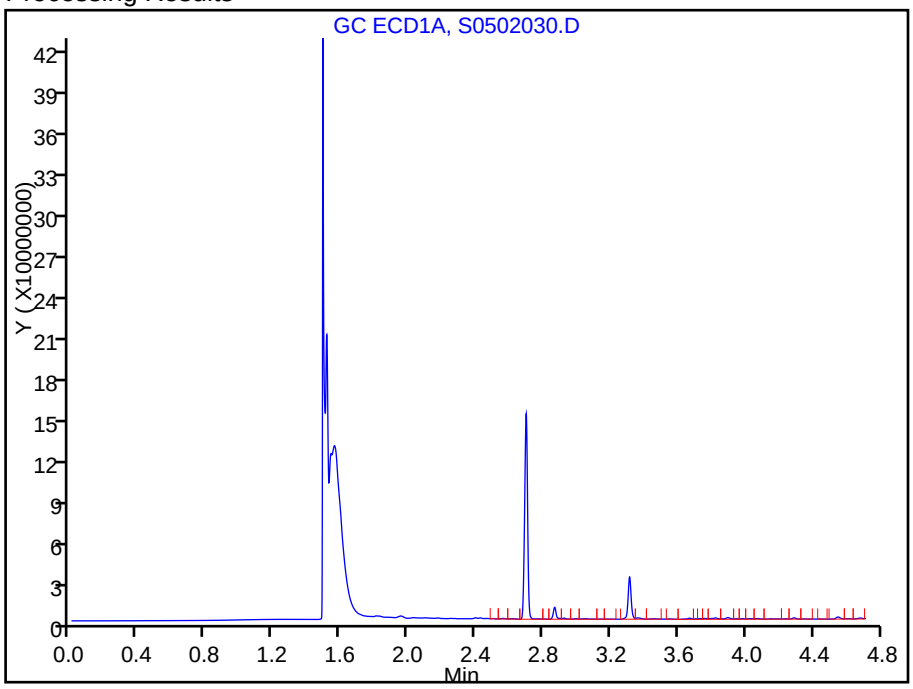
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.46	294281	0.022377
3.63	3.67	812221	0.022668
4.47	4.45	109028	0.002925
4.63	4.62	240736	0.010872
6.06			
		Average =	0.018297



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

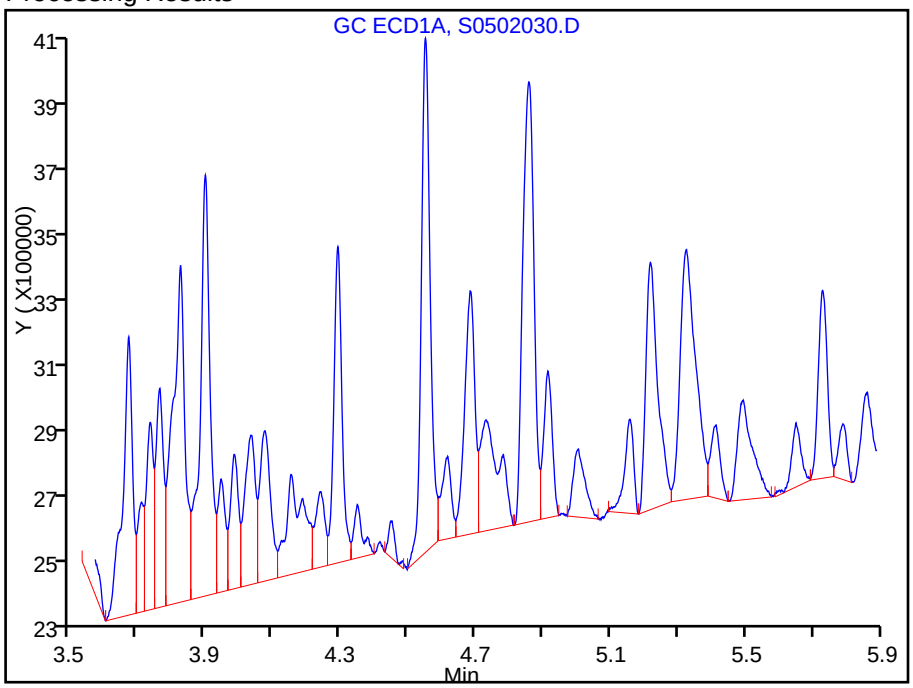
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.67	812221	0.034583
3.97	3.98	392195	0.011429
4.48	4.45	109028	0.001795
5.14	5.16	274704	0.008887
5.77	5.79	162542	0.005026
		Average =	0.011532



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

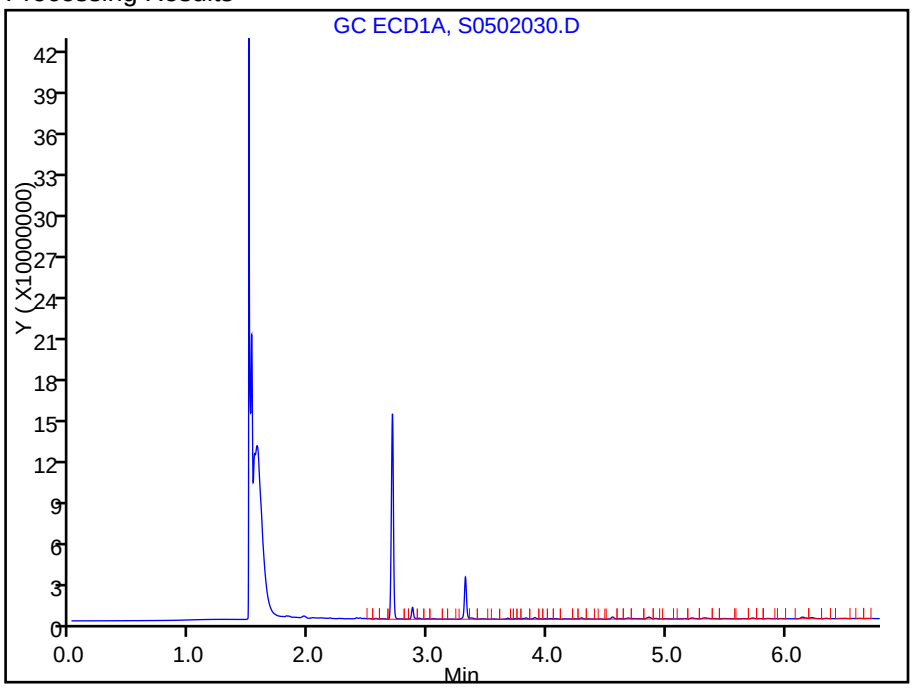
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.97	3.98	392195	0.019156
5.14	5.16	274704	0.005725
5.73	5.73	548365	0.009790
6.07			
6.70	6.70	74686	0.002691
		Average =	0.005922



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

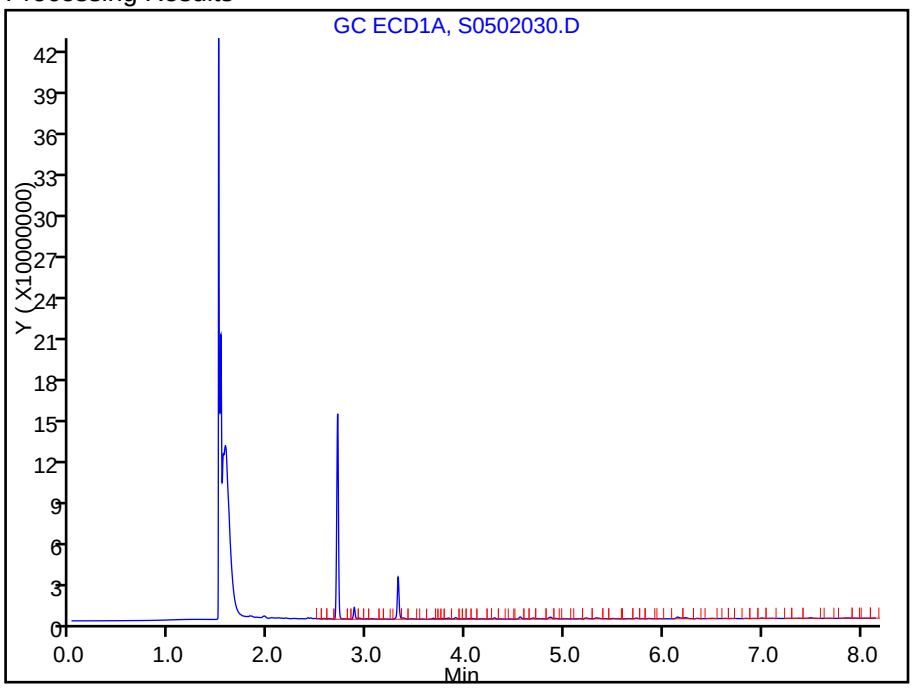
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
5.66	5.65	187467	0.003903
6.05			
6.70	6.70	74686	0.000815
7.19			
8.09	8.06	45642	0.000664
		Average =	0.002172



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

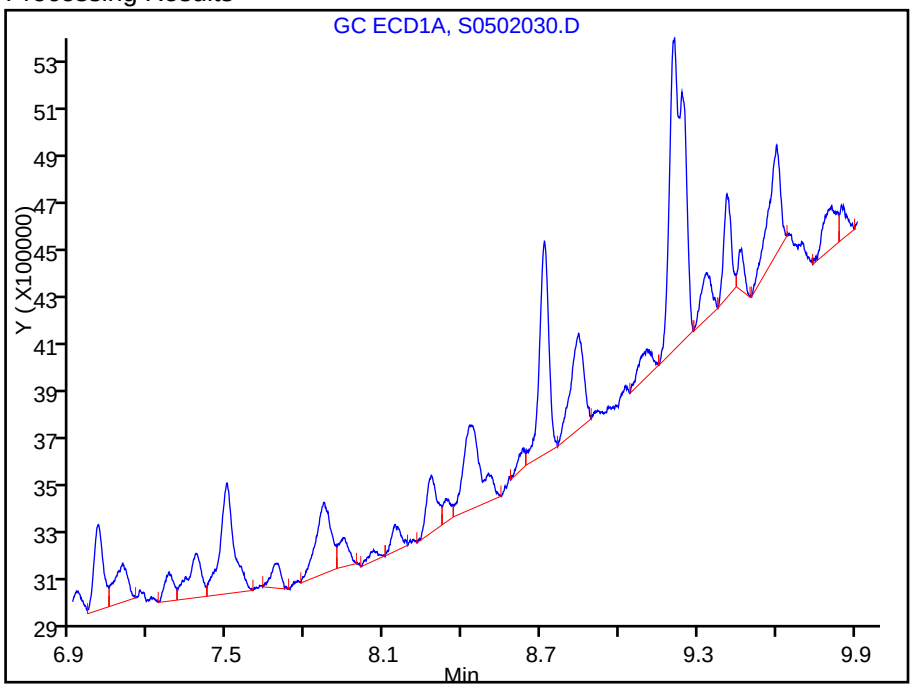
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

9 PCB-1260, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
7.02	7.00	349878	0.005234
7.54	7.50	454661	0.004676
8.10	8.06	45642	0.000569
9.34	9.34	186805	0.001225
9.81	9.82	174464	0.002064
		Average =	0.003475



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-41R2-042816 Lab Sample ID: 180-54291-4

Matrix: Water Lab File ID: S0502030.D

Analysis Method: 8082A Date Collected: 04/28/2016 11:50

Extraction Method: 3510C Date Extracted: 04/30/2016 08:35

Sample wt/vol: 950(mL) Date Analyzed: 05/02/2016 16:43

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	69		43-138
877-09-8	Tetrachloro-m-xylene	80		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D
Lims ID: 180-54291-A-4-A
Client ID: CE-MW-41R2-042816
Sample Type: Client
Inject. Date: 02-May-2016 16:43:54 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-030
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:49:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.700	2.700	0.001	149513237H	0.1000	
2	2.916	2.916	0.000	148497882H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.313	3.314	-0.001	30759377H	0.0171	
2	3.774	3.775	-0.001	26042554H	0.0160	
					RPD = 6.60	
3 PCB-1221						U
1		3.450			ND	
1		3.585				
1		3.624				
2		4.068				
2		4.232				
2		4.305				
4 PCB-1232						U
1		3.452			ND	
1		3.626				
1		4.474				
1		4.627				
1		6.059				
2		4.071				
2		4.307				
2		4.812				
2		5.462				
2		5.664				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.627			ND	
1		3.969				
1		4.475				
1		5.138				
1		5.770				
2		4.309				
2		4.813				
2		5.462				
2		5.664				
2		6.424				
6	PCB-1016					U
1		3.630			ND	
1		4.455				
1		4.633				
1		4.708				
1		5.142				
2		4.818				
2		5.467				
2		5.670				
2		6.429				
2		6.645				
7	PCB-1248					U
1		3.970			ND	
1		5.138				
1		5.728				
1		6.066				
1		6.705				
2		5.971				
2		6.426				
2		7.100				
2		7.187				
2		7.632				
8	PCB-1254					U
1		5.660			ND	
1		6.052				
1		6.699				
1		7.187				
1		8.087				
2		7.174				
2		7.535				
2		8.482				
2		8.915				
2		9.857				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						U
1		7.023			ND	
1		7.537				
1		8.095				
1		9.340				
1		9.809				
2		8.865				
2		9.246				
2		9.863				
2		10.861				
2		11.394				
10 PCB-1262						U
1		7.530			ND	
1		8.317				
1		9.335				
1		9.802				
1		9.866				
2		9.240				
2		10.007				
2		10.857				
2		11.382				
2		11.966				
11 PCB-1268						U
1		9.866			ND	
1		9.929				
1		10.233				
1		11.188				
2		11.378				
2		11.444				
2		11.797				
2		12.611				
* 46 PCB-205 (IS)						
1	10.855	10.853	0.002	151204764H	0	
2	12.230	12.228	0.002	131719248H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.454	11.455	-0.001	21296310H	0.0143	
2	12.948	12.948	0.000	17402985H	0.0138	
					RPD = 2.99	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

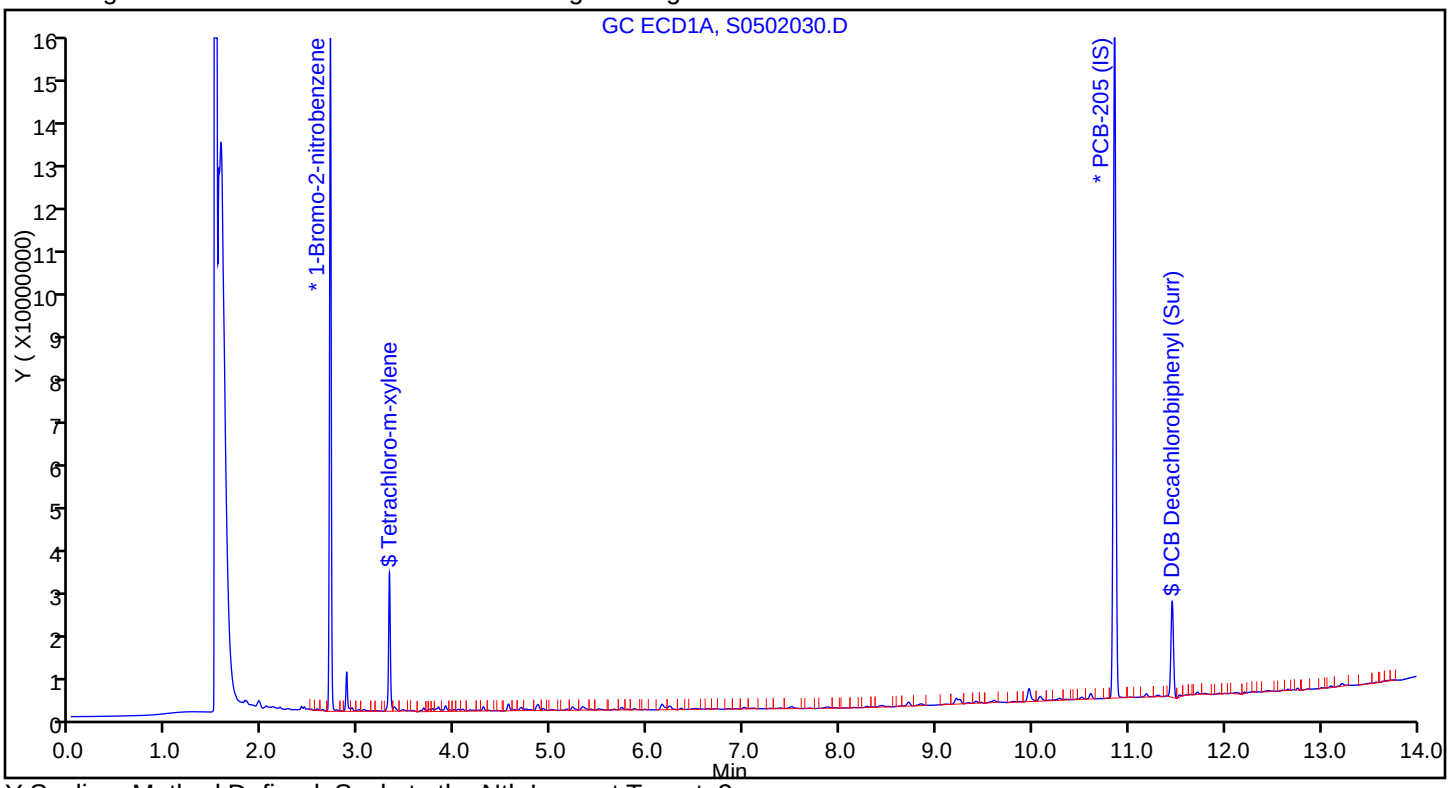
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

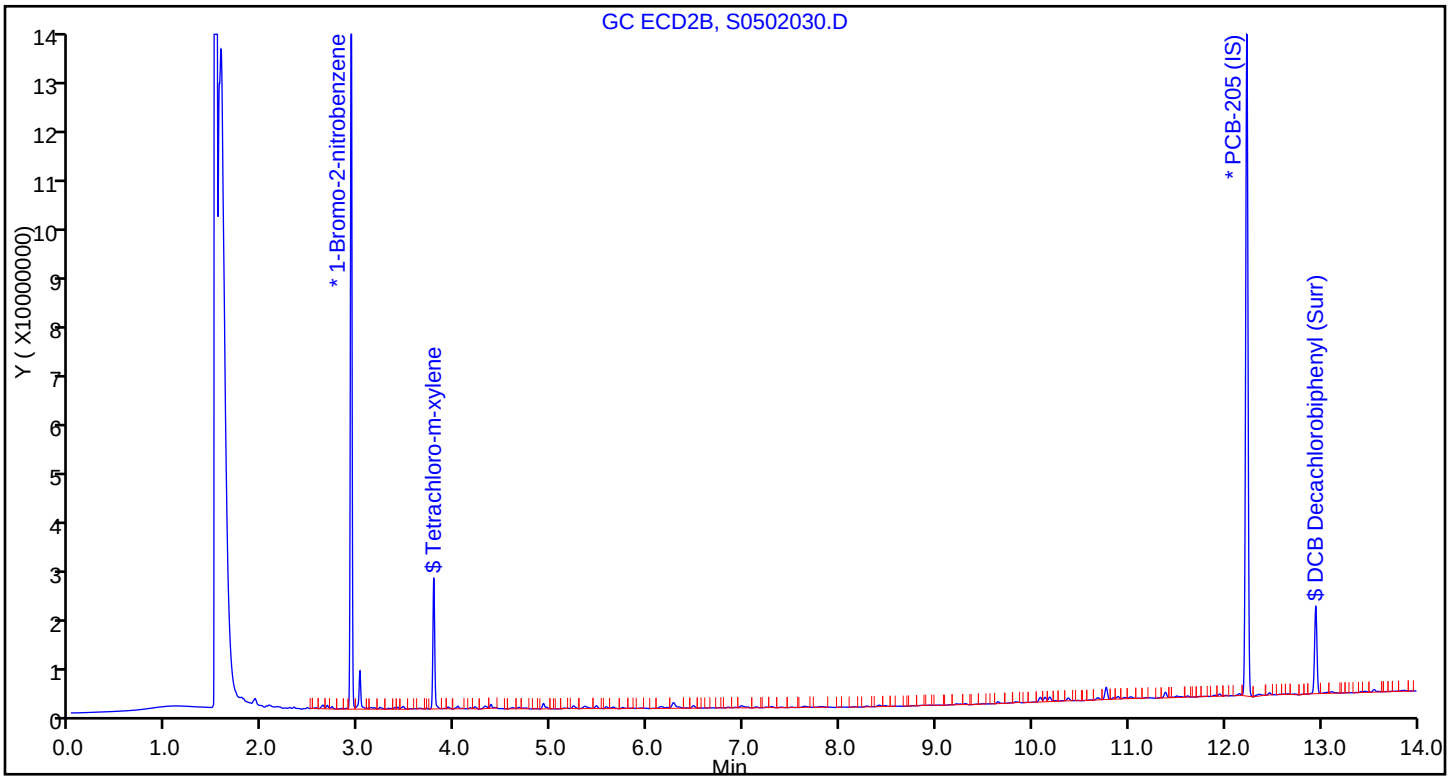
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

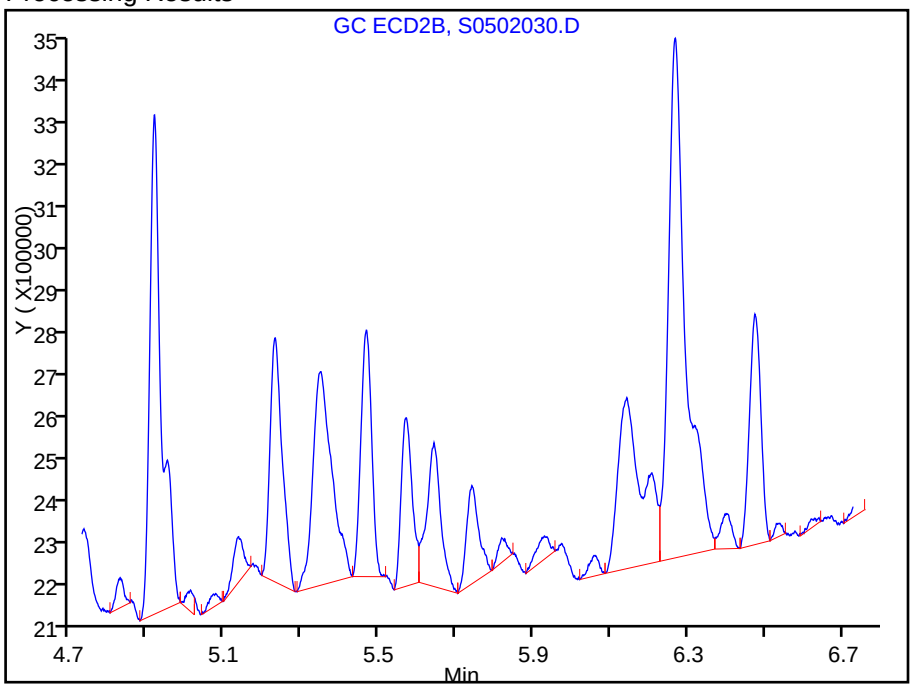
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.82	4.83	64833	0.001970
5.47	5.47	531585	0.008911
5.67	5.64	310309	0.009133
6.43	6.40	75851	0.002522
6.64	6.63	15692	0.000622
		Average =	0.007574



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

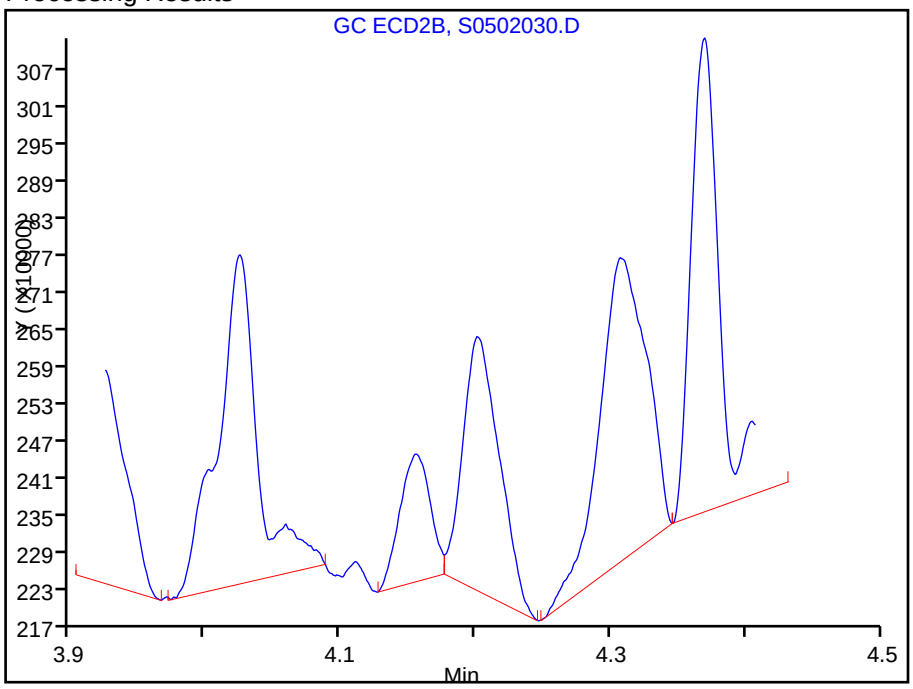
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.03	531390	0.038132
4.23	4.20	409807	0.044397
4.30	4.31	490950	0.017060
		Average =	0.025808



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

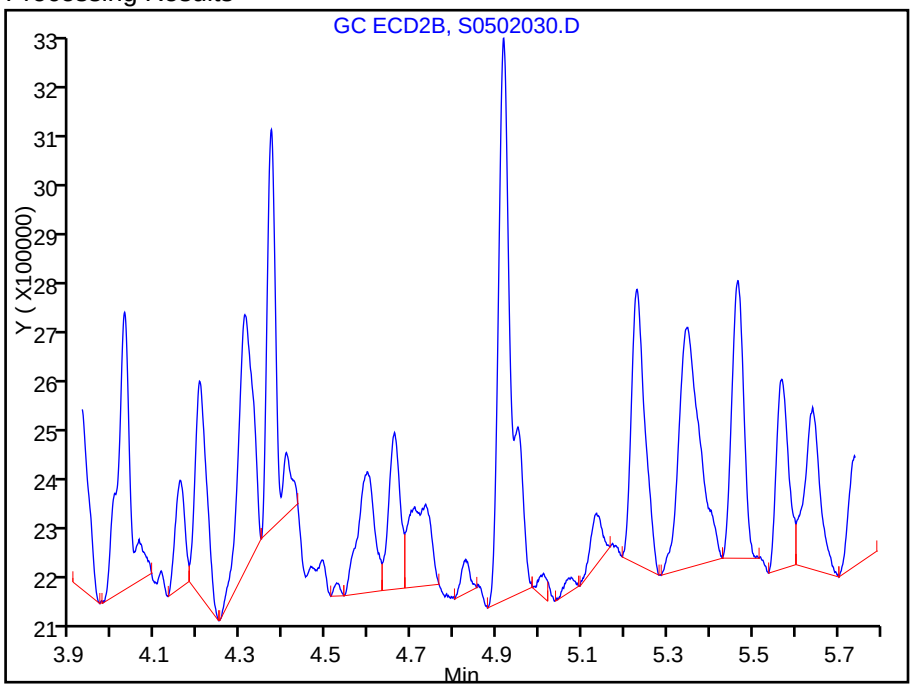
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.03	531390	0.048339
4.31	4.31	490950	0.017464
4.81	4.83	64833	0.003873
5.46	5.47	531585	0.017923
5.66	5.64	310309	0.018229
		Average =	0.018297



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

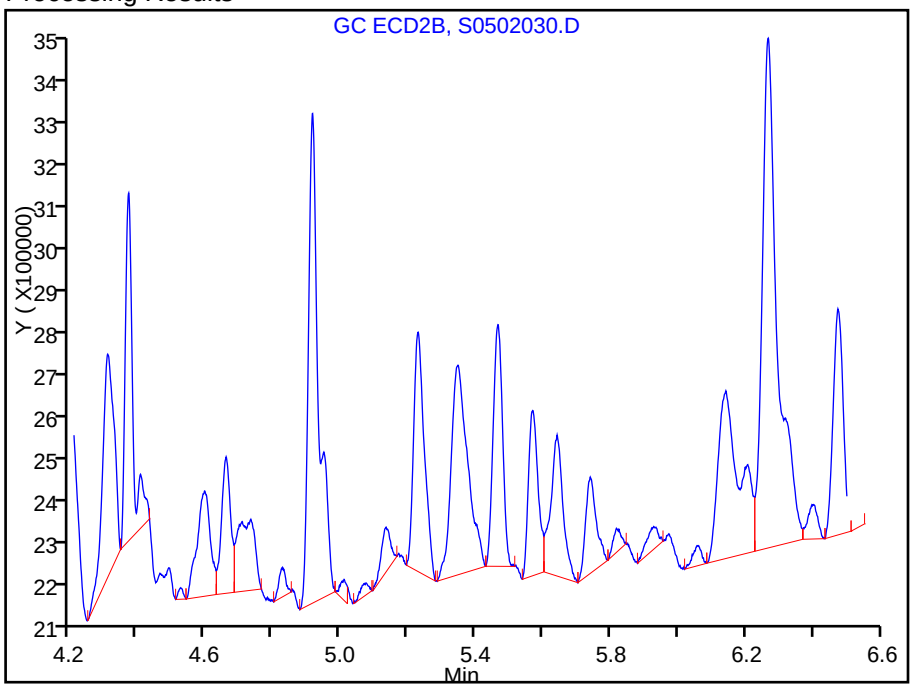
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.31	4.31	490950	0.025833
4.81	4.83	64833	0.002461
5.46	5.47	531585	0.010964
5.66	5.64	310309	0.011312
6.42	6.40	75851	0.003033
		Average =	0.011532



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

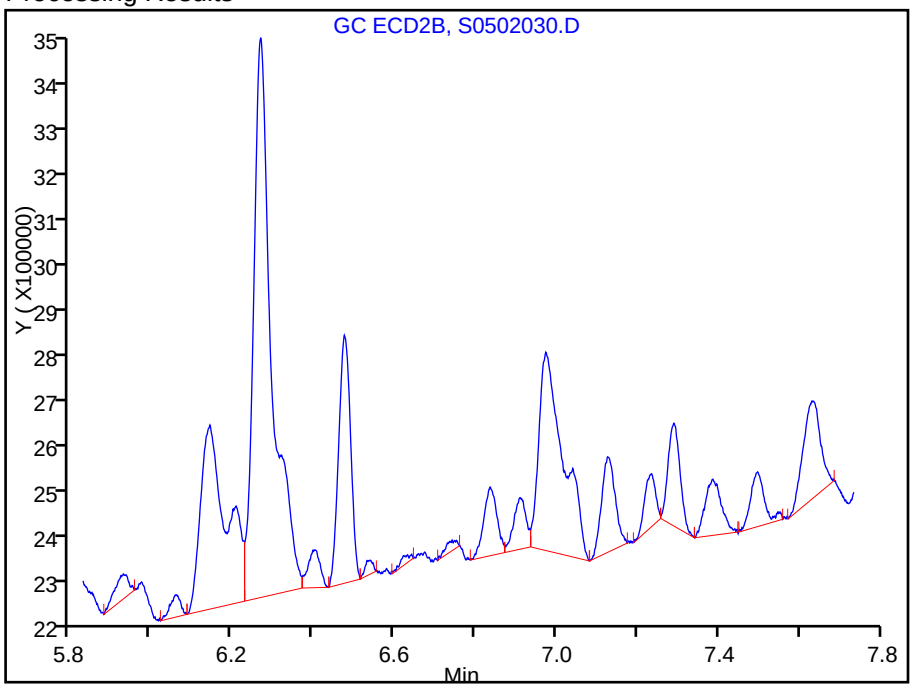
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
5.97	5.93	50043	0.001608
6.43	6.40	75851	0.001945
7.10	7.13	191601	0.004358
7.19	7.23	106319	0.002340
7.63	7.64	193335	0.005684
		Average =	0.005922



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

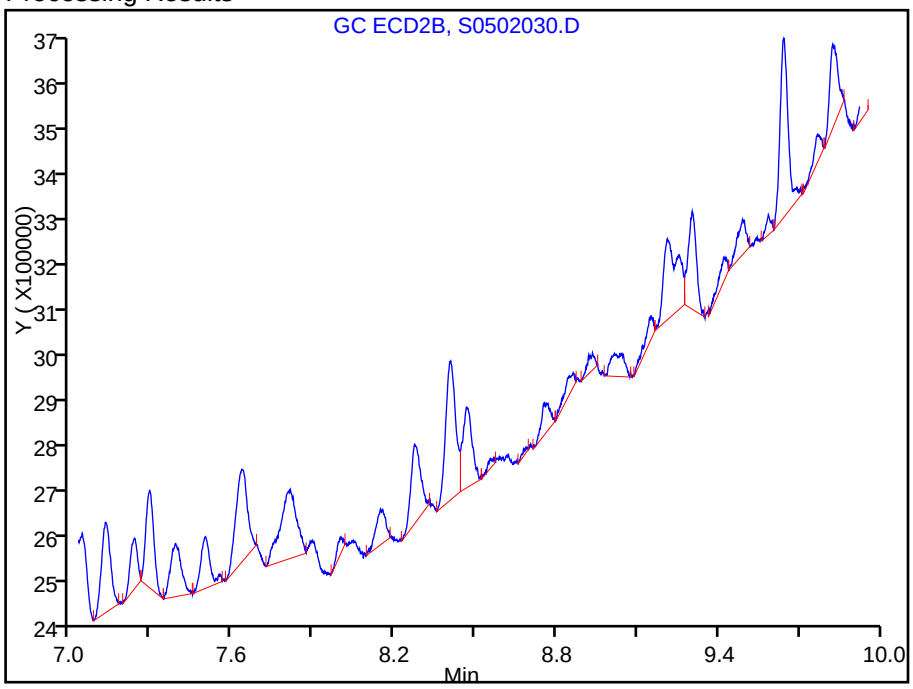
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
7.17	7.13	191601	0.004460
7.53	7.50	109595	0.002218
8.48	8.47	170682	0.002189
8.91	8.93	36392	0.000610
9.86	9.83	177184	0.002519
		Average =	0.002172



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

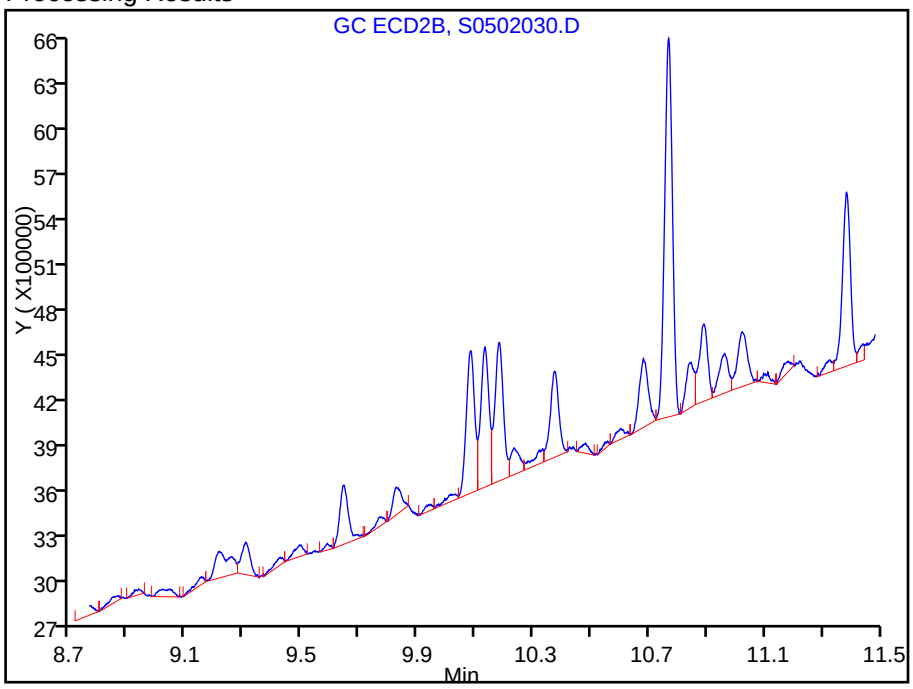
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502030.D				
Injection Date:	02-May-2016 16:43:54	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-4-A	Lab Sample ID:	180-54291-4		
Client ID:	CE-MW-41R2-042816				
Operator ID:	402331	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

9 PCB-1260, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
8.86	8.86	30748	0.000505
9.25	9.21	171502	0.002178
9.86	9.83	177184	0.002381
10.86	10.85	288589	0.001965
11.39	11.38	1115519	0.013952
		Average =	0.003475



Reviewer: oravecj, 03-May-2016 09:49:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-39R-042816 | Lab Sample ID: 180-54291-5

Matrix: Water | Lab File ID: S0502031.D

Analysis Method: 8082A | Date Collected: 04/28/2016 13:50

Extraction Method: 3510C | Date Extracted: 04/30/2016 08:35

Sample wt/vol: 950(mL) | Date Analyzed: 05/02/2016 17:02

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.0039	U	0.011	0.0039
11104-28-2	Arochlor 1221	0.0062	U	0.011	0.0062
11141-16-5	Arochlor 1232	0.0064	U	0.011	0.0064
53469-21-9	Arochlor 1242	0.0035	U	0.011	0.0035
12672-29-6	Arochlor 1248	0.0034	U	0.011	0.0034
11097-69-1	Arochlor 1254	0.0047	U	0.011	0.0047
11096-82-5	Arochlor 1260	0.0065	J	0.011	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	93		43-138
877-09-8	Tetrachloro-m-xylene	98		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D
Lims ID: 180-54291-A-5-A
Client ID: CE-MW-39R-042816
Sample Type: Client
Inject. Date: 02-May-2016 17:02:45 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-031
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:50:34

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.697	2.700	-0.002	107361925	H 0.1000	
2	2.915	2.916	-0.001	106073045	H 0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.313	3.314	-0.001	25376451	H 0.0197	
2	3.774	3.775	-0.001	22199244	H 0.0191	
					RPD = 2.81	
3 PCB-1221						U
1		3.450			ND	
1		3.585				
1		3.624				
2		4.068				
2		4.232				
2		4.305				
4 PCB-1232						U
1		3.452			ND	
1		3.626				
1		4.474				
1		4.627				
1		6.059				
2		4.071				
2		4.307				
2		4.812				
2		5.462				
2		5.664				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.627			ND	
1		3.969				
1		4.475				
1		5.138				
1		5.770				
2		4.309				
2		4.813				
2		5.462				
2		5.664				
2		6.424				
6	PCB-1016					U
1		3.630			ND	
1		4.455				
1		4.633				
1		4.708				
1		5.142				
2		4.818				
2		5.467				
2		5.670				
2		6.429				
2		6.645				
7	PCB-1248					U
1		3.970			ND	
1		5.138				
1		5.728				
1		6.066				
1		6.705				
2		5.971				
2		6.426				
2		7.100				
2		7.187				
2		7.632				
8	PCB-1254					U
1		5.660			ND	
1		6.052				
1		6.699				
1		7.187				
1		8.087				
2		7.174				
2		7.535				
2		8.482				
2		8.915				
2		9.857				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						
1	7.013	7.023	-0.010	441169H	0.009191	
1	7.496	7.537	-0.041	510930H	0.007318	
1	8.093	8.095	-0.002	307683H	0.005339	
1	9.341	9.340	0.001	418610H	0.003824	
1	9.806	9.809	-0.003	306563H	0.005051	
		Average of Peak Amounts =			0.006144	
2	8.863	8.865	-0.002	296244H	0.006806	
2	9.247	9.246	0.001	371555H	0.006607	
2	9.828	9.863	-0.035	380041H	0.007148	
2	10.860	10.861	-0.001	367028H	0.003499	
2	0.000	11.394	-11.394	0H	0	
		Average of Peak Amounts =			0.006015	
					RPD = 2.12	
10 PCB-1262						U
1		7.530			ND	
1		8.317				
1		9.335				
1		9.802				
1		9.866				
2		9.240				
2		10.007				
2		10.857				
2		11.382				
2		11.966				
11 PCB-1268						U
1		9.866			ND	
1		9.929				
1		10.233				
1		11.188				
2		11.378				
2		11.444				
2		11.797				
2		12.611				
* 46 PCB-205 (IS)						
1	10.855	10.853	0.002	151962186H	0	
2	12.229	12.228	0.001	132226478H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.454	11.455	-0.001	19864639H	0.0185	
2	12.946	12.948	-0.002	15622082H	0.0174	
					RPD = 6.30	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

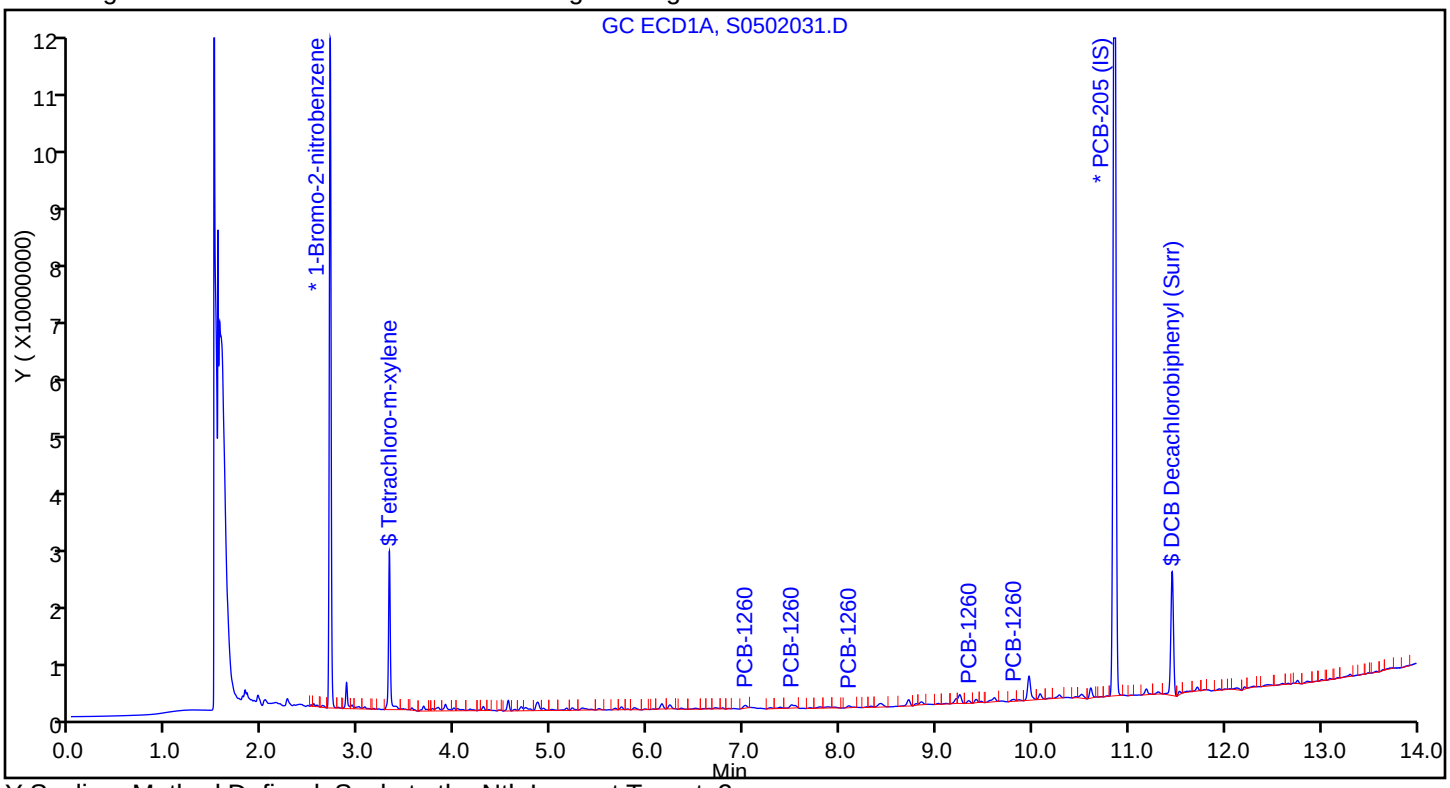
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

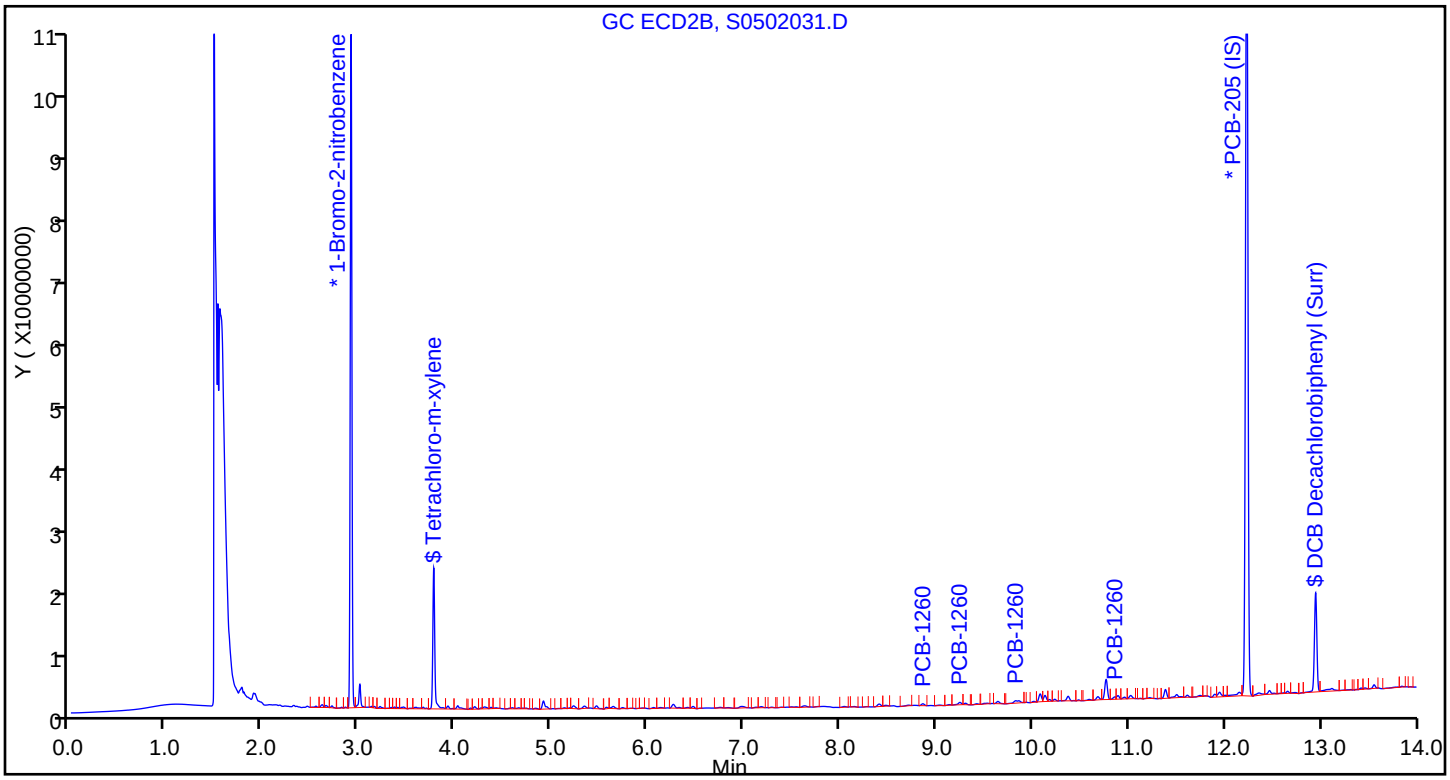
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

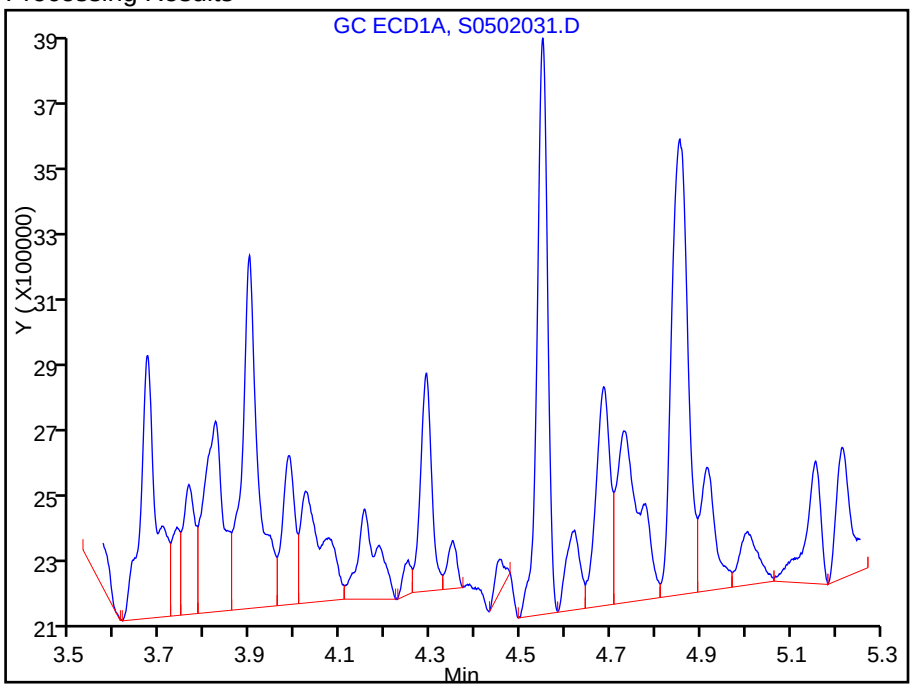
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.67	777756	0.037074
4.45	4.45	98638	0.002265
4.63	4.62	236032	0.007545
4.71	4.73	508725	0.022129
5.14	5.16	362861	0.013511
		Average =	0.013056



Reviewer: oravecj, 03-May-2016 09:50:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

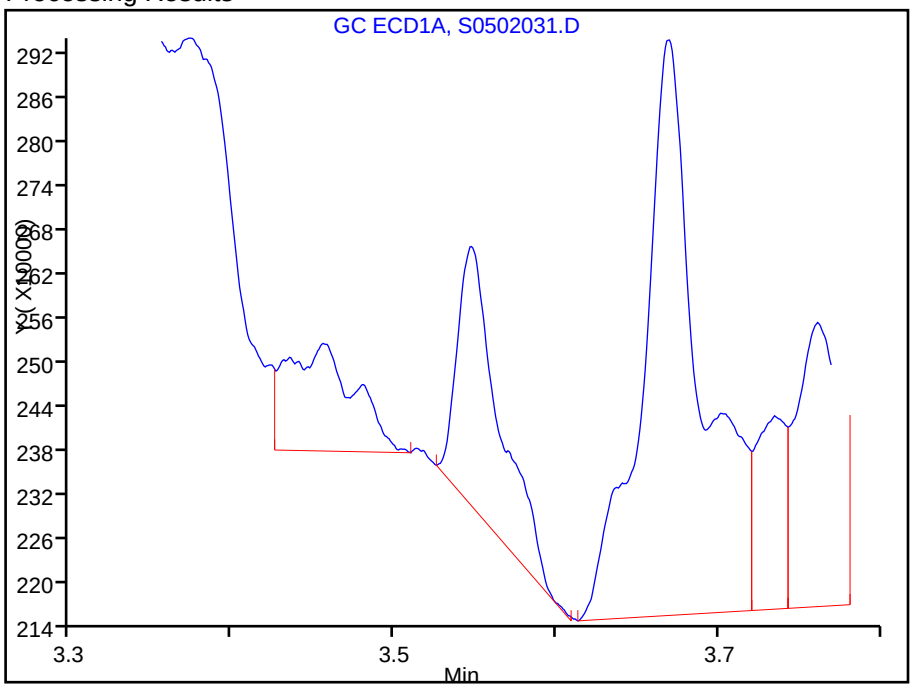
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.46	145439	0.012185
3.58	3.55	350320	0.045428
3.62	3.67	777756	0.028936
		Average =	0.035217



Reviewer: oravecj, 03-May-2016 09:50:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

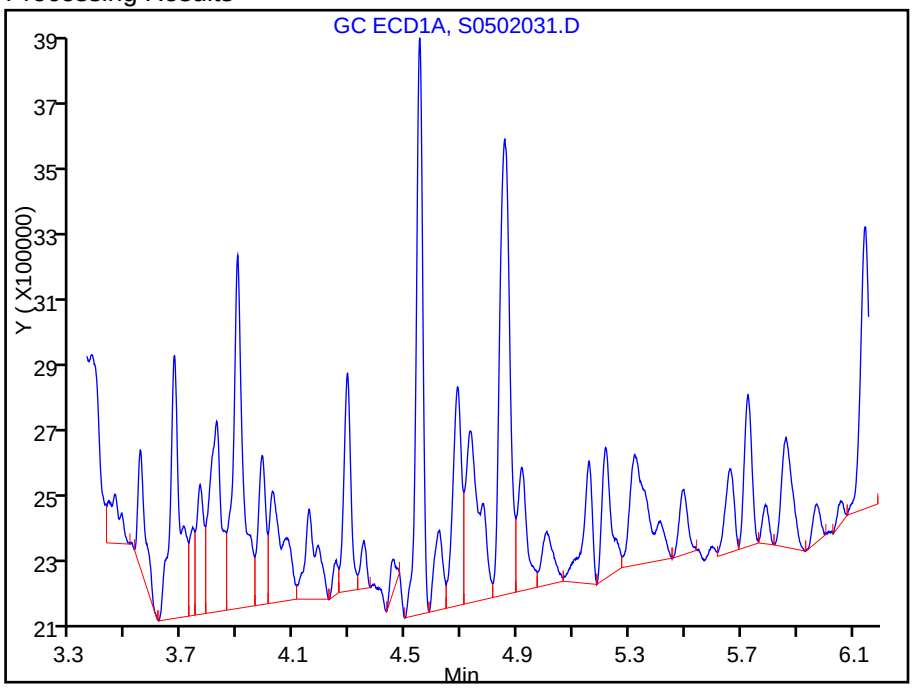
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.46	145439	0.015401
3.63	3.67	777756	0.030228
4.47	4.45	98638	0.003685
4.63	4.62	236032	0.014844
6.06	6.06	68293	0.004836
		Average =	0.020837



Reviewer: oravecj, 03-May-2016 09:50:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

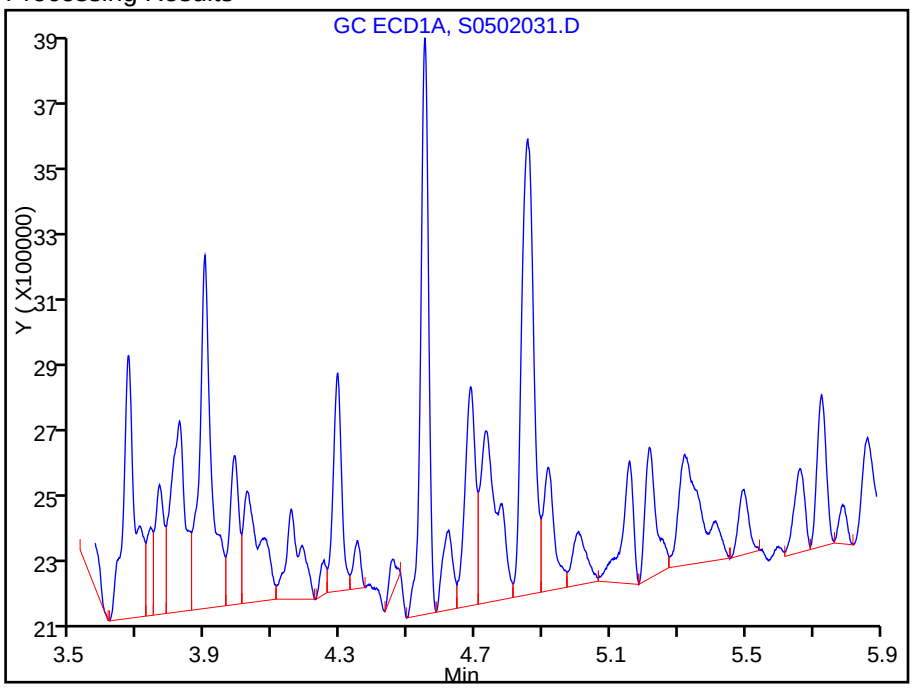
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.67	777756	0.046117
3.97	3.98	440816	0.017889
4.48	4.45	98638	0.002261
5.14	5.16	362861	0.016348
5.77	5.79	115840	0.004988
		Average =	0.015287



Reviewer: oravecj, 03-May-2016 09:50:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

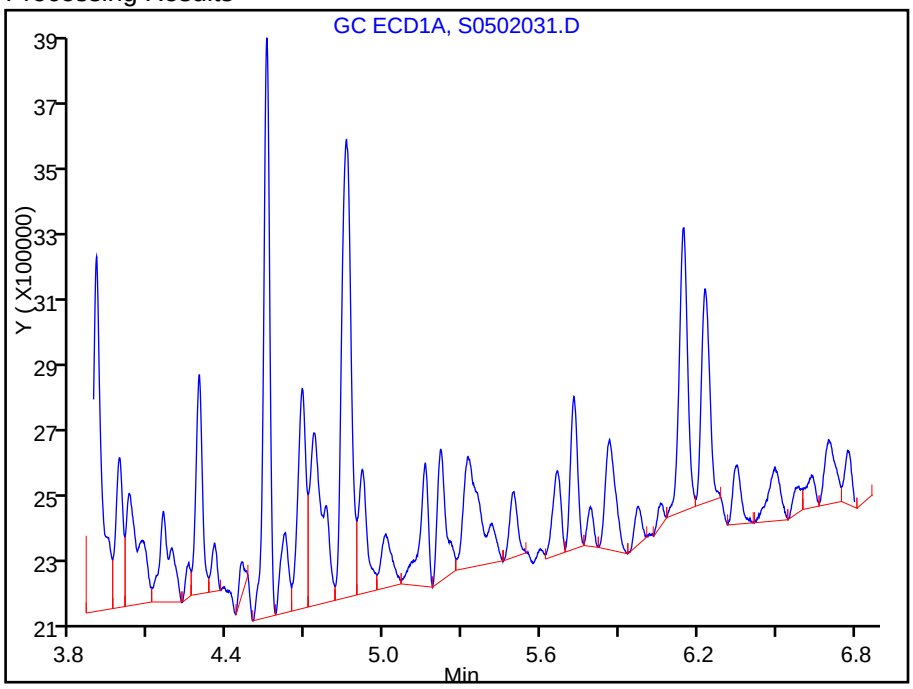
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.97	3.98	440816	0.029984
5.14	5.16	362861	0.010532
5.73	5.73	449377	0.011173
6.07	6.06	68293	0.002534
6.70	6.70	190115	0.009539
		Average =	0.008689



Reviewer: oravecj, 03-May-2016 09:50:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

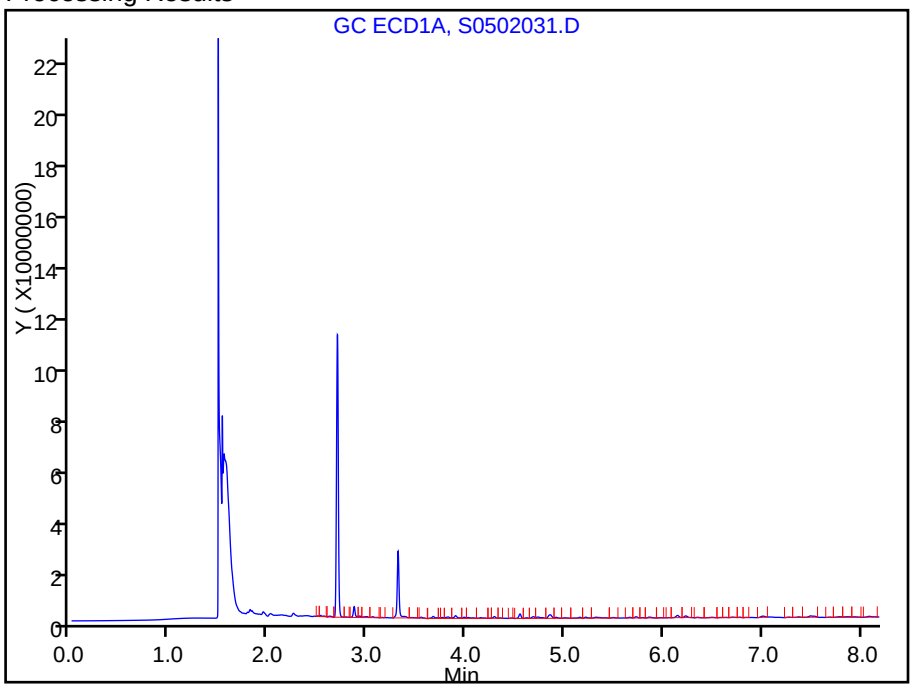
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
5.66	5.66	247804	0.007184
6.05	6.06	68293	0.001452
6.70	6.70	190115	0.002889
7.19			
8.09	8.09	307683	0.006235
		Average =	0.004404



Reviewer: oravecj, 03-May-2016 09:50:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-39R-042816 Lab Sample ID: 180-54291-5

Matrix: Water Lab File ID: S0502031.D

Analysis Method: 8082A Date Collected: 04/28/2016 13:50

Extraction Method: 3510C Date Extracted: 04/30/2016 08:35

Sample wt/vol: 950(mL) Date Analyzed: 05/02/2016 17:02

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	87		43-138
877-09-8	Tetrachloro-m-xylene	96		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D
Lims ID: 180-54291-A-5-A
Client ID: CE-MW-39R-042816
Sample Type: Client
Inject. Date: 02-May-2016 17:02:45 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-031
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:50:34

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.697	2.700	-0.002	107361925 H	0.1000	
2	2.915	2.916	-0.001	106073045 H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.313	3.314	-0.001	25376451 H	0.0197	
2	3.774	3.775	-0.001	22199244 H	0.0191	
				RPD = 2.81		
3 PCB-1221						U
1		3.450		ND		
1		3.585				
1		3.624				
2		4.068				
2		4.232				
2		4.305				
4 PCB-1232						U
1		3.452		ND		
1		3.626				
1		4.474				
1		4.627				
1		6.059				
2		4.071				
2		4.307				
2		4.812				
2		5.462				
2		5.664				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.627			ND	
1		3.969				
1		4.475				
1		5.138				
1		5.770				
2		4.309				
2		4.813				
2		5.462				
2		5.664				
2		6.424				
6	PCB-1016					U
1		3.630			ND	
1		4.455				
1		4.633				
1		4.708				
1		5.142				
2		4.818				
2		5.467				
2		5.670				
2		6.429				
2		6.645				
7	PCB-1248					U
1		3.970			ND	
1		5.138				
1		5.728				
1		6.066				
1		6.705				
2		5.971				
2		6.426				
2		7.100				
2		7.187				
2		7.632				
8	PCB-1254					U
1		5.660			ND	
1		6.052				
1		6.699				
1		7.187				
1		8.087				
2		7.174				
2		7.535				
2		8.482				
2		8.915				
2		9.857				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						
1	7.013	7.023	-0.010	441169H	0.009191	
1	7.496	7.537	-0.041	510930H	0.007318	
1	8.093	8.095	-0.002	307683H	0.005339	
1	9.341	9.340	0.001	418610H	0.003824	
1	9.806	9.809	-0.003	306563H	0.005051	
		Average of Peak Amounts =			0.006144	
2	8.863	8.865	-0.002	296244H	0.006806	
2	9.247	9.246	0.001	371555H	0.006607	
2	9.828	9.863	-0.035	380041H	0.007148	
2	10.860	10.861	-0.001	367028H	0.003499	
2	0.000	11.394	-11.394	0H	0	
		Average of Peak Amounts =			0.006015	
					RPD = 2.12	
10 PCB-1262						U
1		7.530			ND	
1		8.317				
1		9.335				
1		9.802				
1		9.866				
2		9.240				
2		10.007				
2		10.857				
2		11.382				
2		11.966				
11 PCB-1268						U
1		9.866			ND	
1		9.929				
1		10.233				
1		11.188				
2		11.378				
2		11.444				
2		11.797				
2		12.611				
* 46 PCB-205 (IS)						
1	10.855	10.853	0.002	151962186H	0	
2	12.229	12.228	0.001	132226478H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.454	11.455	-0.001	19864639H	0.0185	
2	12.946	12.948	-0.002	15622082H	0.0174	
					RPD = 6.30	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

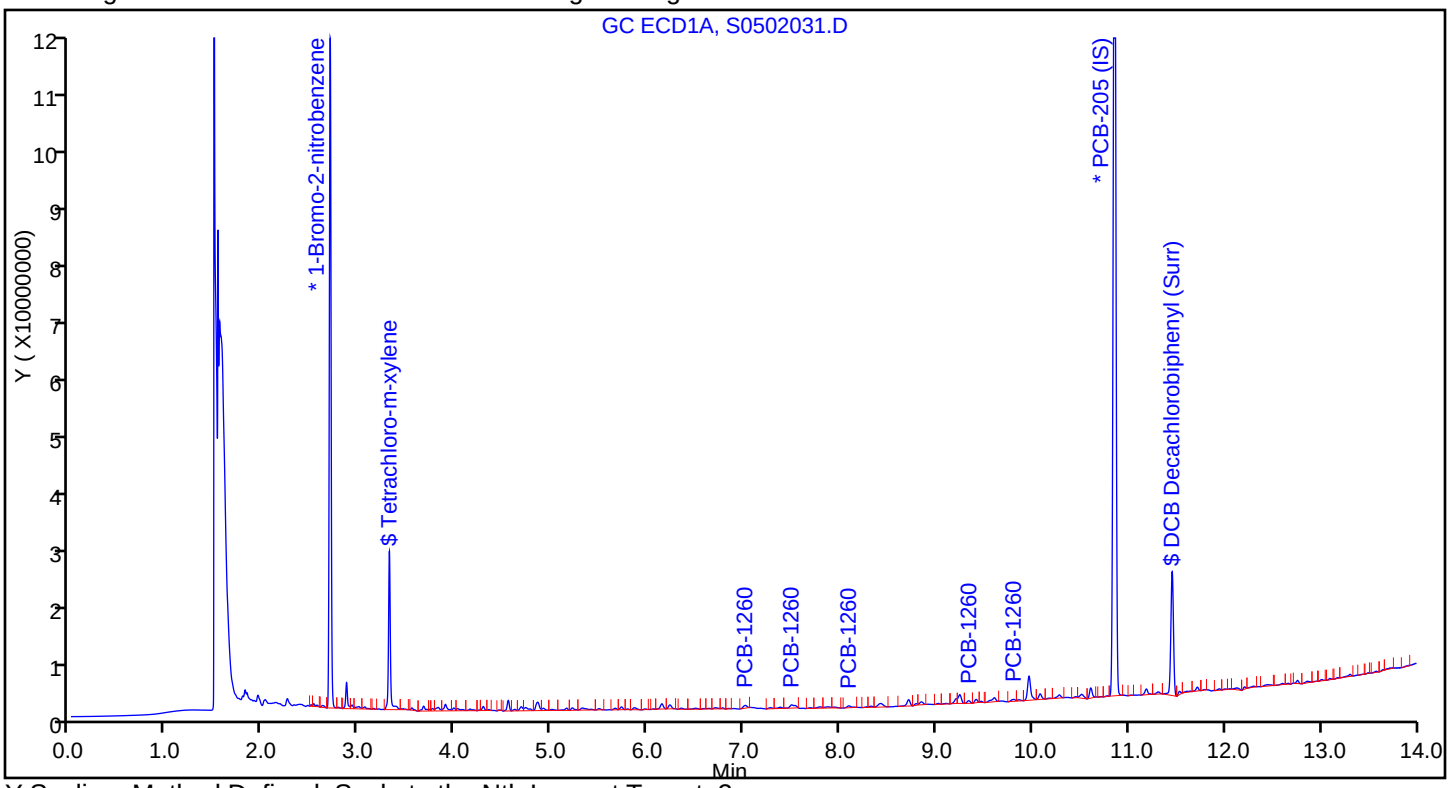
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

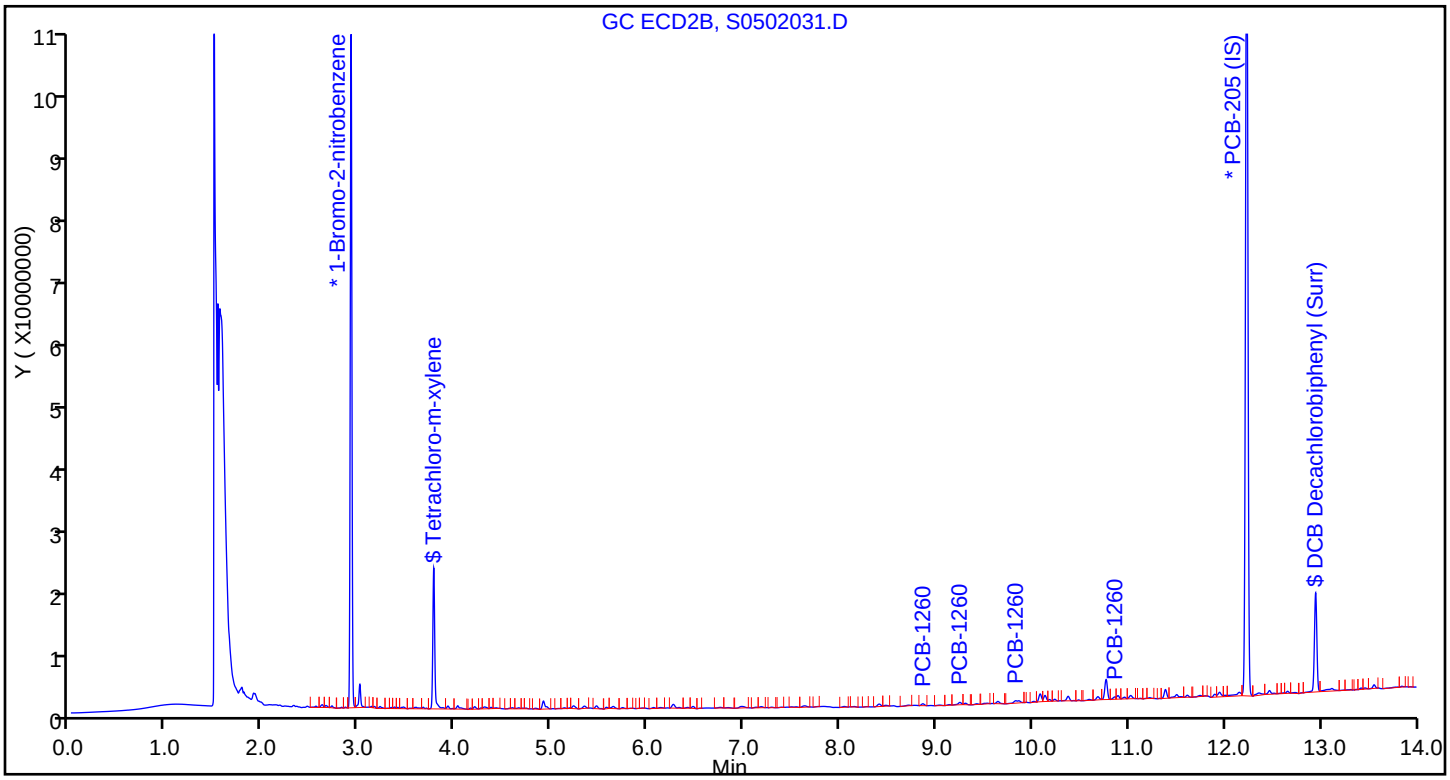
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

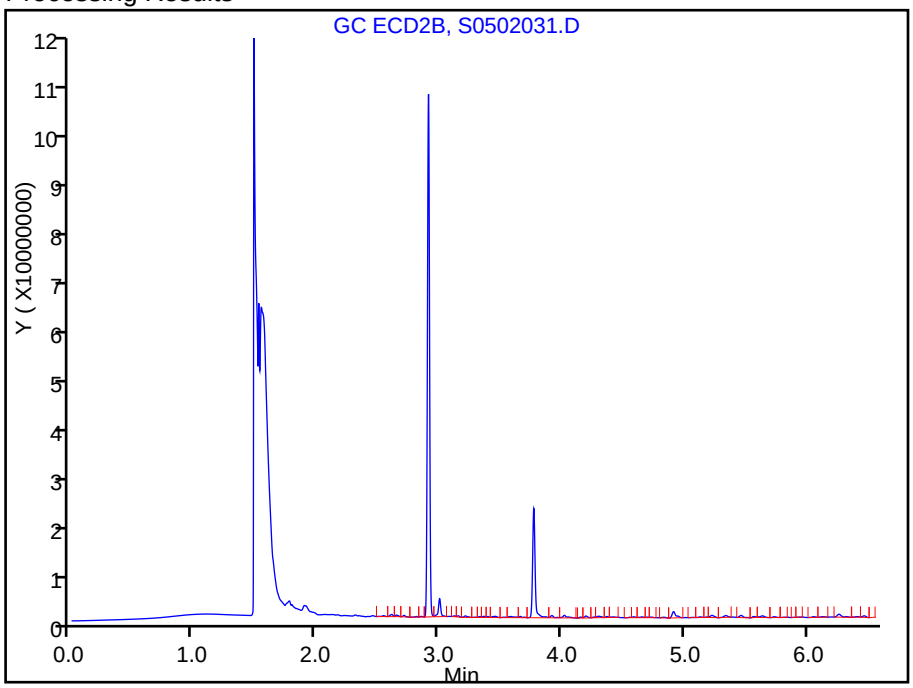
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.82	4.83	131440	0.005590
5.47	5.47	439903	0.010324
5.67	5.64	328753	0.013546
6.43	6.42	118597	0.005521
6.64			
		Average =	0.013056



Reviewer: oravecj, 03-May-2016 09:50:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

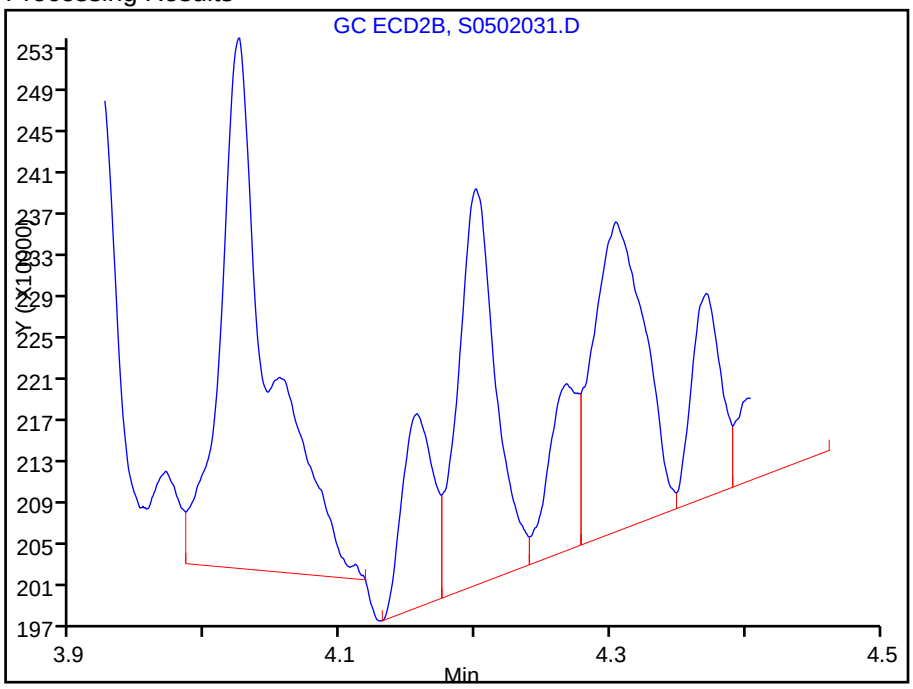
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.02	515101	0.051747
4.23	4.20	384858	0.058370
4.30	4.30	300912	0.014639
		Average =	0.035217



Reviewer: oravecj, 03-May-2016 09:50:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

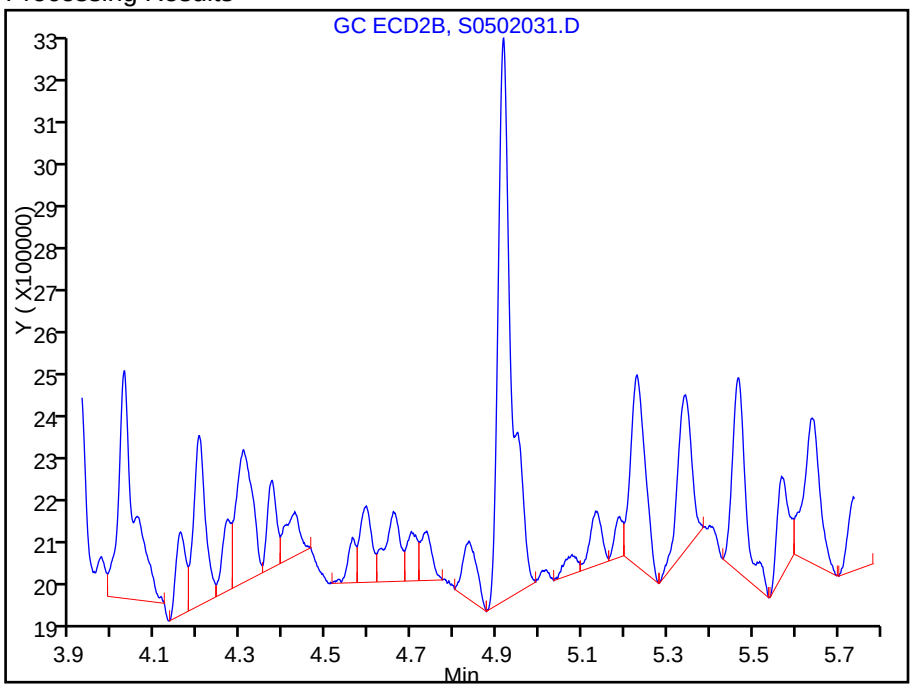
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.02	515101	0.065598
4.31	4.30	300912	0.014985
4.81	4.83	131440	0.010991
5.46	5.47	439903	0.020764
5.66	5.64	328753	0.027037
		Average =	0.020837



Reviewer: oravecj, 03-May-2016 09:50:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

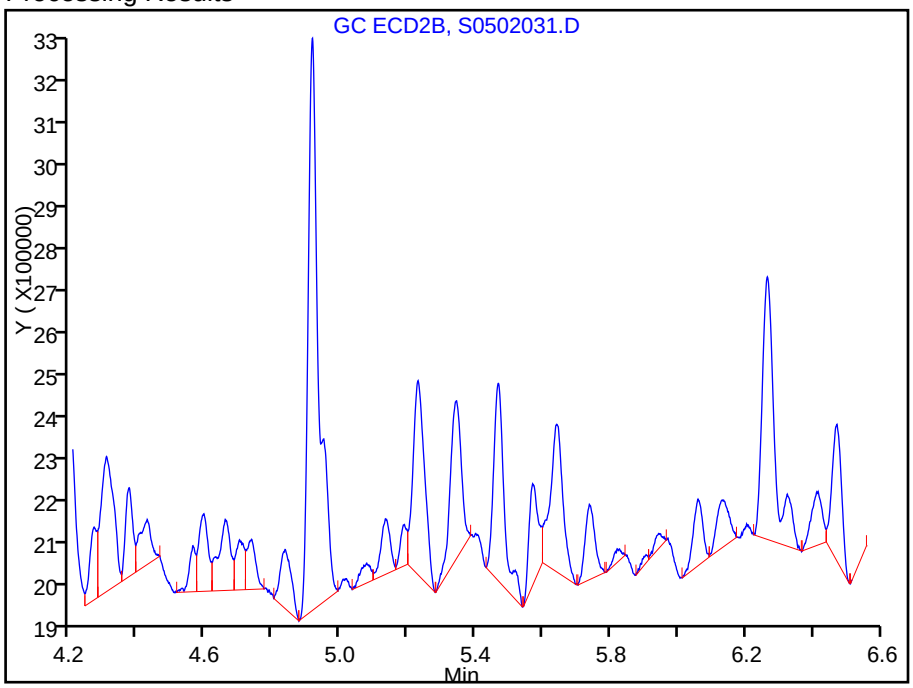
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.31	4.30	300912	0.022167
4.81	4.83	131440	0.006984
5.46	5.47	439903	0.012702
5.66	5.64	328753	0.016777
6.42	6.42	118597	0.006640
		Average =	0.015287



Reviewer: oravecj, 03-May-2016 09:50:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

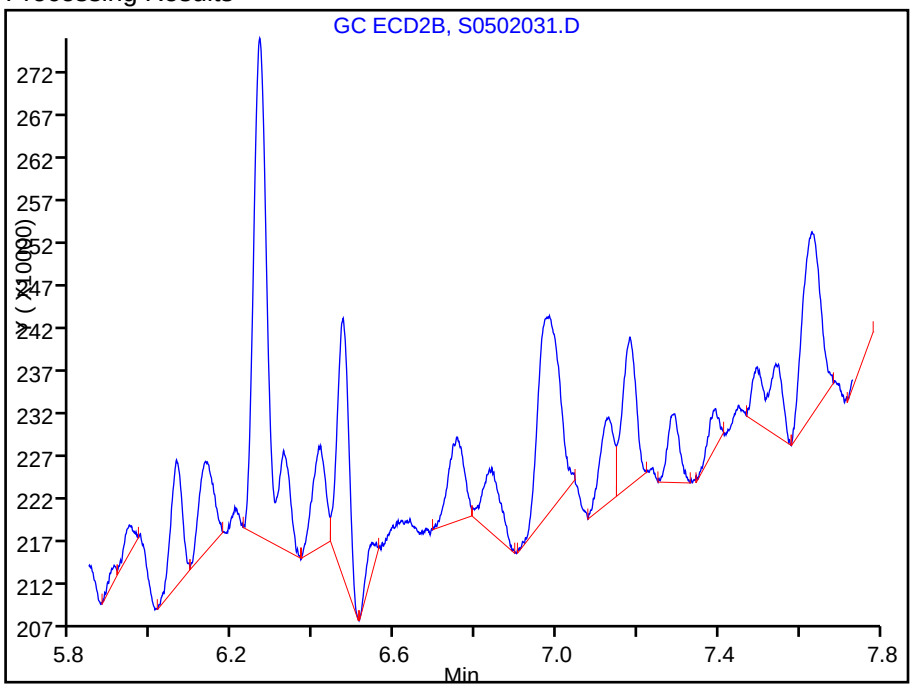
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
5.97	5.94	33709	0.001516
6.43	6.42	118597	0.004257
7.10	7.13	100240	0.003192
7.19	7.18	174084	0.005364
7.63	7.63	213902	0.008804
		Average =	0.008689



Reviewer: oravecj, 03-May-2016 09:50:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

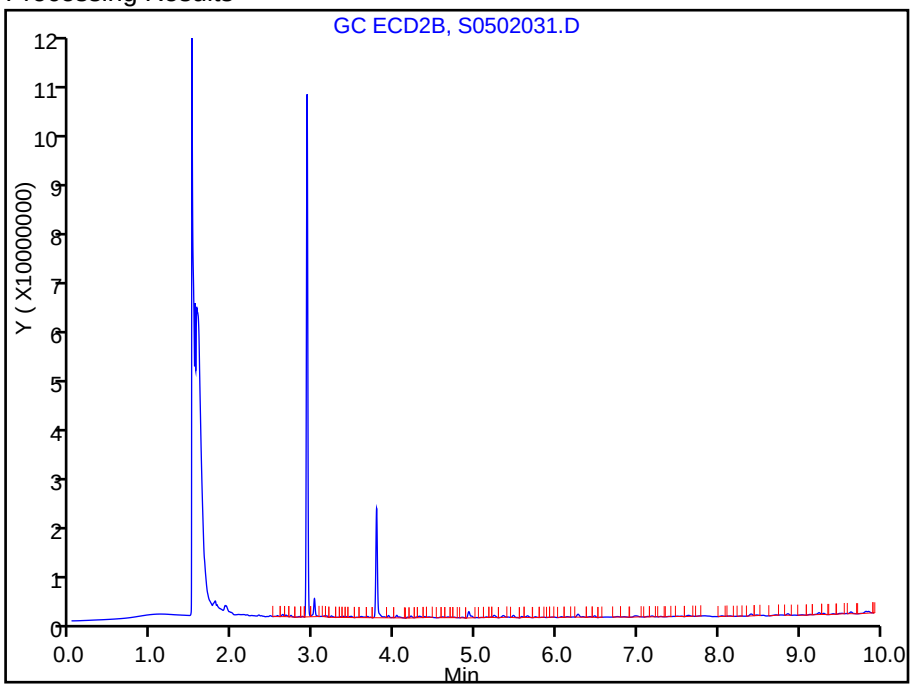
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502031.D				
Injection Date:	02-May-2016 17:02:45	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-A	Lab Sample ID:	180-54291-5		
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
7.17	7.18	174084	0.005673
7.53	7.50	65756	0.001863
8.48	8.48	132165	0.002373
8.91			
9.86	9.83	380041	0.007563
		Average =	0.004404



Reviewer: oravecj, 03-May-2016 09:50:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-38R-042816 | Lab Sample ID: 180-54291-6

Matrix: Water | Lab File ID: S0502034.D

Analysis Method: 8082A | Date Collected: 04/28/2016 15:00

Extraction Method: 3510C | Date Extracted: 04/30/2016 08:35

Sample wt/vol: 950(mL) | Date Analyzed: 05/02/2016 17:59

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.0039	U	0.011	0.0039
11104-28-2	Arochlor 1221	0.0062	U	0.011	0.0062
11141-16-5	Arochlor 1232	0.0064	U	0.011	0.0064
53469-21-9	Arochlor 1242	0.0035	U	0.011	0.0035
12672-29-6	Arochlor 1248	0.0034	U	0.011	0.0034
11097-69-1	Arochlor 1254	0.0047	U	0.011	0.0047
11096-82-5	Arochlor 1260	0.0071	J	0.011	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	78		43-138
877-09-8	Tetrachloro-m-xylene	99		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D
Lims ID: 180-54291-A-6-A
Client ID: CE-MW-38R-042816
Sample Type: Client
Inject. Date: 02-May-2016 17:59:15 ALS Bottle#: 34 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-034
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:51:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.698	2.700	-0.002	124357798H	0.1000	
2	2.914	2.916	-0.002	123781103H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.312	3.314	-0.002	29498757H	0.0198	
2	3.773	3.775	-0.002	25182787H	0.0186	
					RPD = 5.99	
3 PCB-1221						U
1		3.450			ND	
1		3.585				
1		3.624				
2		4.068				
2		4.232				
2		4.305				
4 PCB-1232						U
1		3.452			ND	
1		3.626				
1		4.474				
1		4.627				
1		6.059				
2		4.071				
2		4.307				
2		4.812				
2		5.462				
2		5.664				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.627			ND	
1		3.969				
1		4.475				
1		5.138				
1		5.770				
2		4.309				
2		4.813				
2		5.462				
2		5.664				
2		6.424				
6	PCB-1016					U
1		3.630			ND	
1		4.455				
1		4.633				
1		4.708				
1		5.142				
2		4.818				
2		5.467				
2		5.670				
2		6.429				
2		6.645				
7	PCB-1248					U
1		3.970			ND	
1		5.138				
1		5.728				
1		6.066				
1		6.705				
2		5.971				
2		6.426				
2		7.100				
2		7.187				
2		7.632				
8	PCB-1254					U
1		5.660			ND	
1		6.052				
1		6.699				
1		7.187				
1		8.087				
2		7.174				
2		7.535				
2		8.482				
2		8.915				
2		9.857				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						
1	7.010	7.023	-0.013	465014H	0.008364	
1	7.499	7.537	-0.038	574646H	0.007106	
1	8.091	8.095	-0.004	359602H	0.005387	
1	9.338	9.340	-0.002	580429H	0.004577	
1	9.784	9.809	-0.025	591264H	0.008410	
		Average of Peak Amounts =			0.006769	
2	8.857	8.865	-0.008	458718H	0.009031	
2	9.243	9.246	-0.003	381939H	0.005820	
2	9.858	9.863	-0.005	356376H	0.005744	
2	10.859	10.861	-0.002	667167H	0.005450	
2	0.000	11.394	-11.394	0H	0	
		Average of Peak Amounts =			0.006512	
					RPD = 3.87	
10 PCB-1262						U
1		7.530			ND	
1		8.317				
1		9.335				
1		9.802				
1		9.866				
2		9.240				
2		10.007				
2		10.857				
2		11.382				
2		11.966				
11 PCB-1268						U
1		9.866			ND	
1		9.929				
1		10.233				
1		11.188				
2		11.378				
2		11.444				
2		11.797				
2		12.611				
* 46 PCB-205 (IS)						
1	10.853	10.853	0.000	140733452H	0	
2	12.228	12.228	0.001	121573386H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.453	11.455	-0.002	19284762H	0.0155	
2	12.945	12.948	-0.003	15302249H	0.0146	
					RPD = 6.15	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

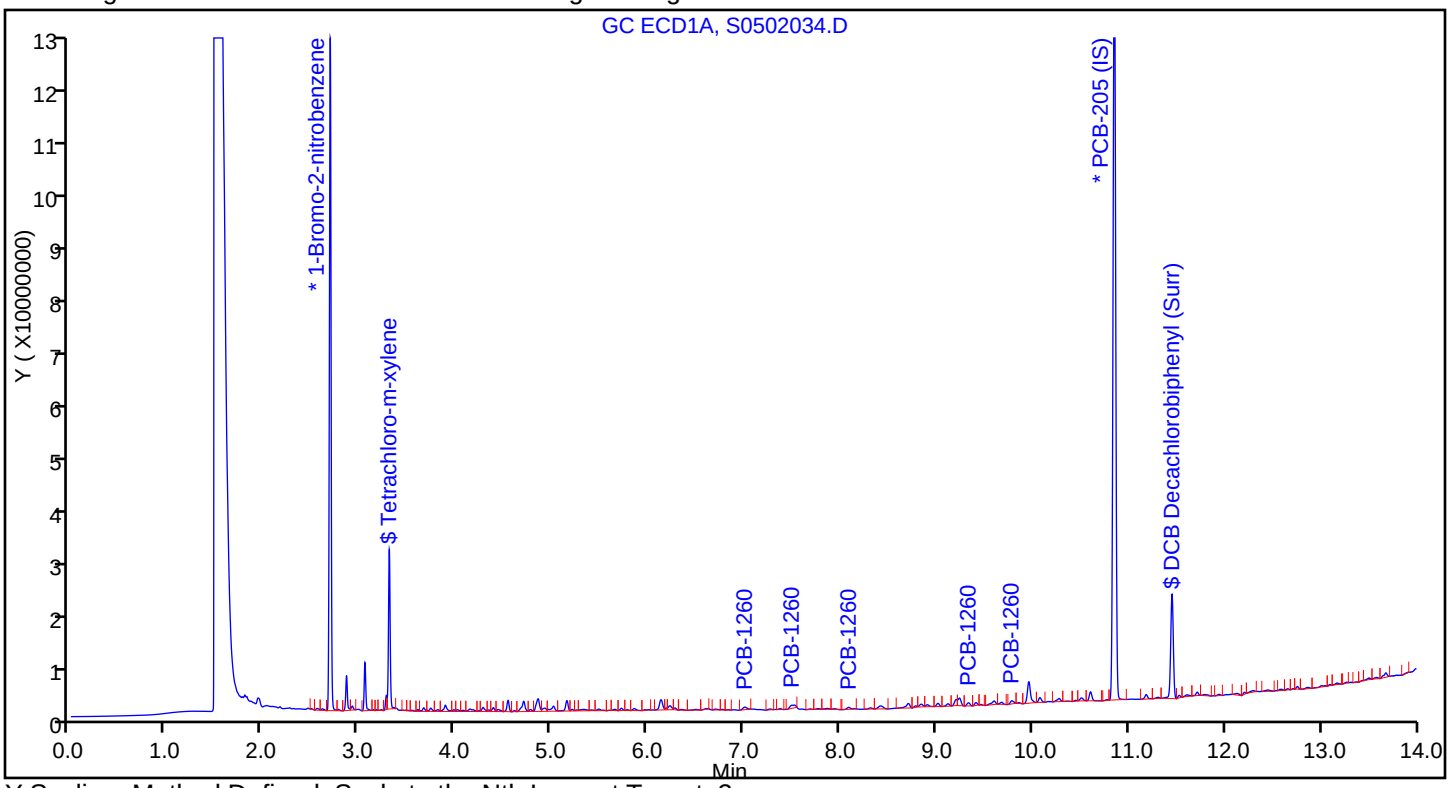
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

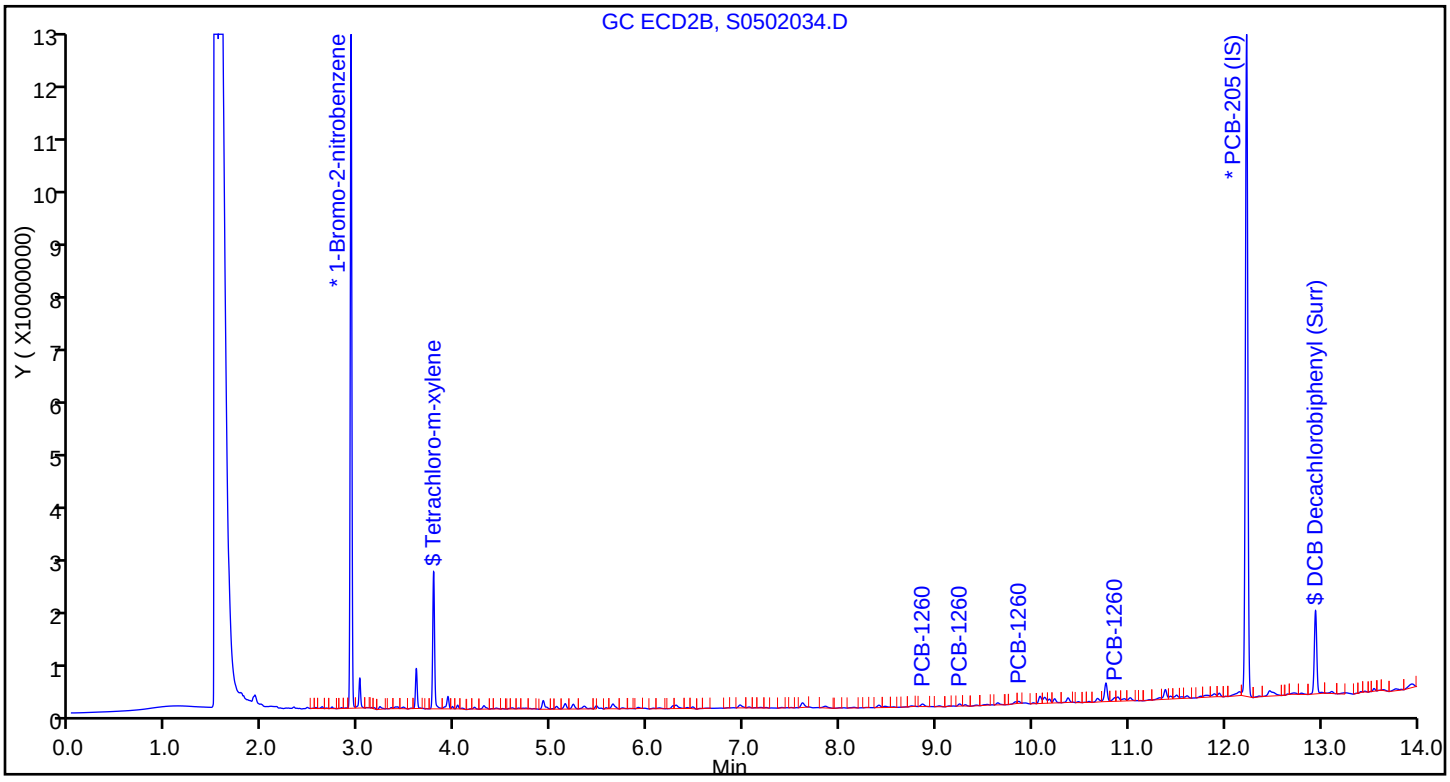
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

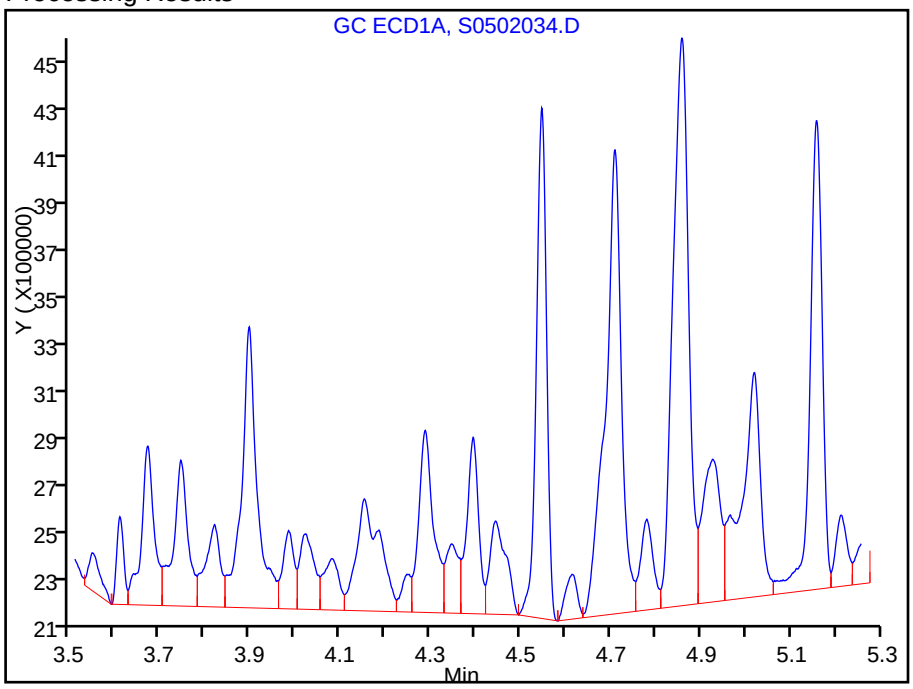
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.61	360527	0.014837
4.45	4.44	383014	0.007593
4.63	4.62	183582	0.005066
4.71	4.71	1905981	0.071577
5.14	5.16	1925146	0.061887
		Average =	0.021499



Reviewer: oravecj, 03-May-2016 09:51:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

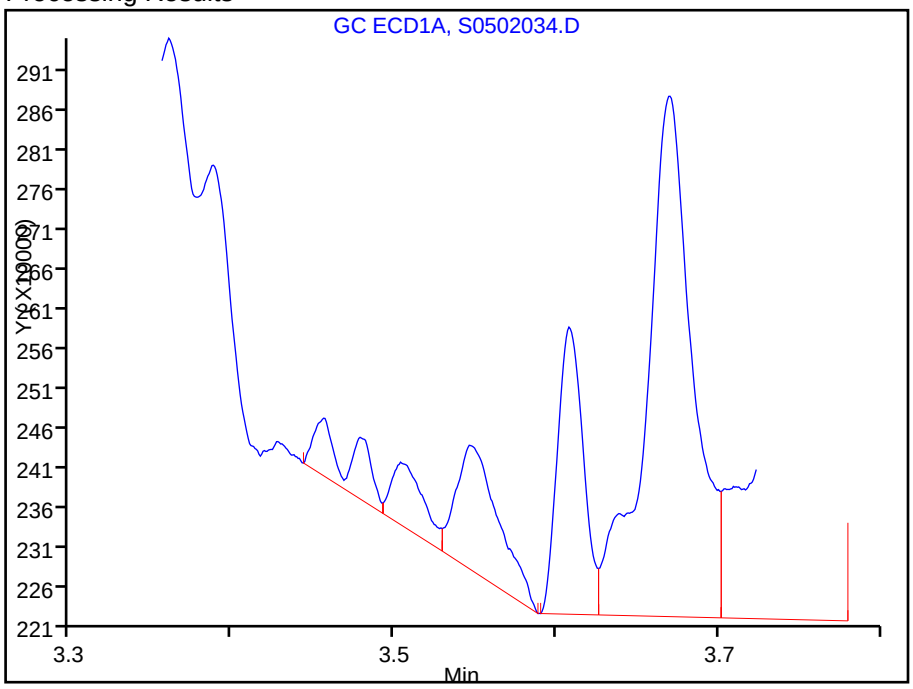
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.46	72369	0.005235
3.58	3.62	0	0
3.62	3.61	360527	0.011580
		Average =	0.020026



Reviewer: oravecj, 03-May-2016 09:51:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

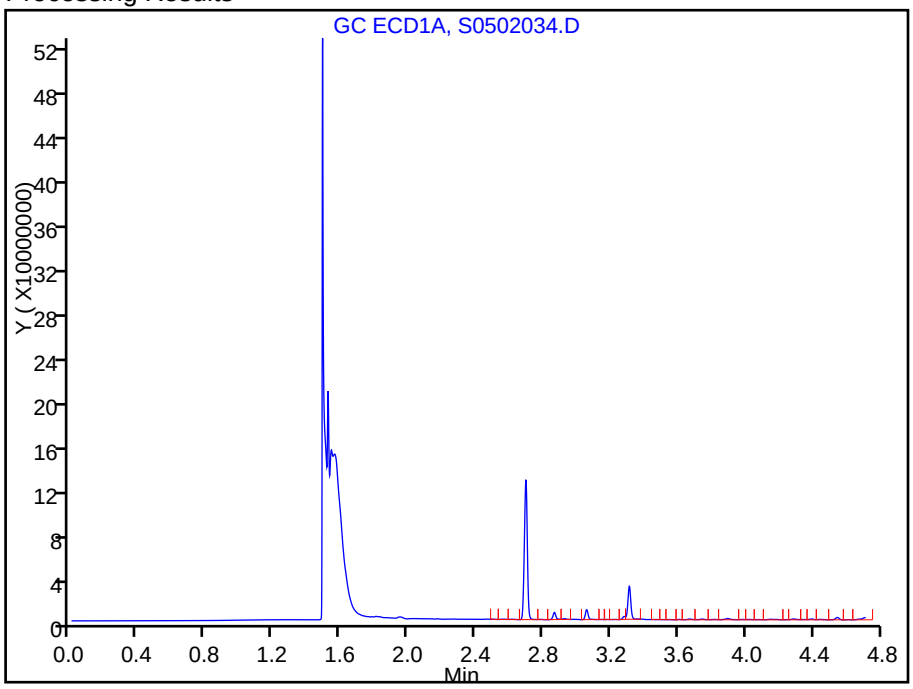
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.46	72369	0.006616
3.63	3.61	360527	0.012097
4.47	4.44	383014	0.012353
4.63	4.62	183582	0.009968
6.06			
		Average =	0.019907



Reviewer: oravecj, 03-May-2016 09:51:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

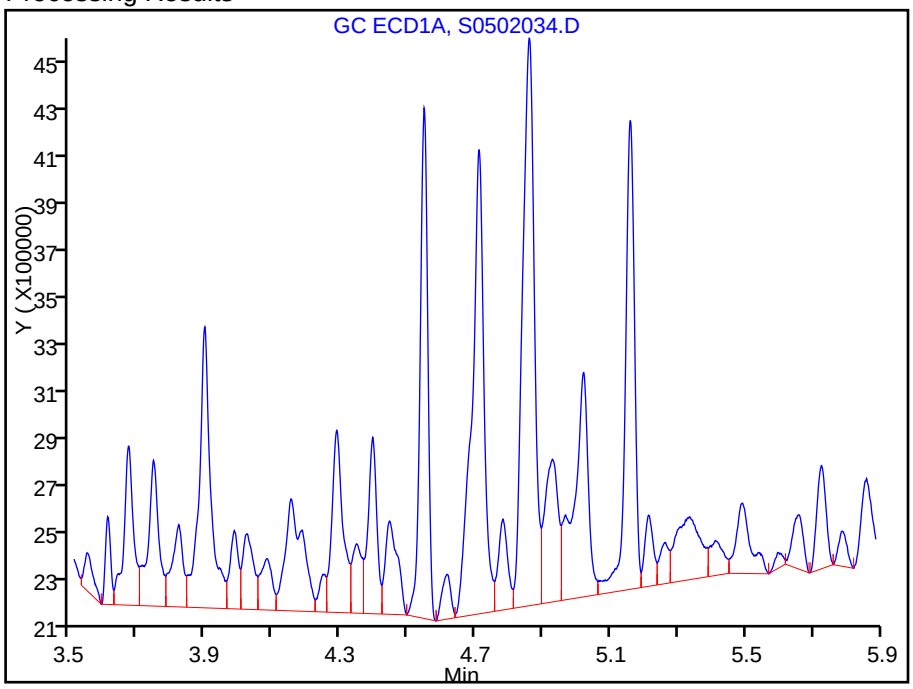
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.61	360527	0.018456
3.97	3.98	321587	0.011267
4.48	4.44	383014	0.007581
5.14	5.16	1925146	0.074879
5.77	5.79	143784	0.005345
		Average =	0.022164



Reviewer: oravecj, 03-May-2016 09:51:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

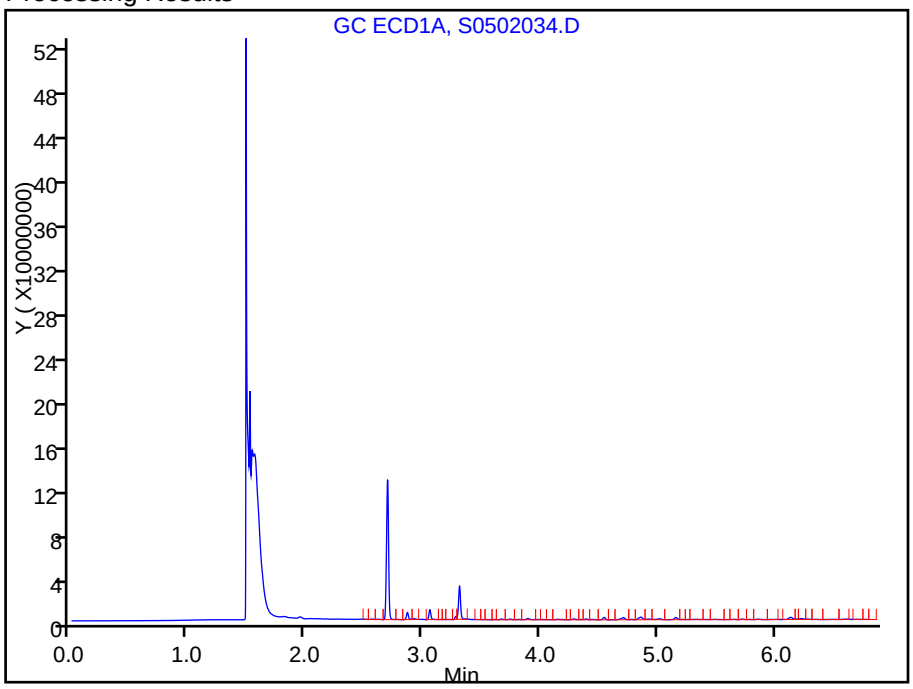
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.97	3.98	321587	0.018885
5.14	5.16	1925146	0.048239
5.73	5.73	424221	0.009106
6.07			
6.70	6.71	143228	0.006204
		Average =	0.015225



Reviewer: oravecj, 03-May-2016 09:51:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

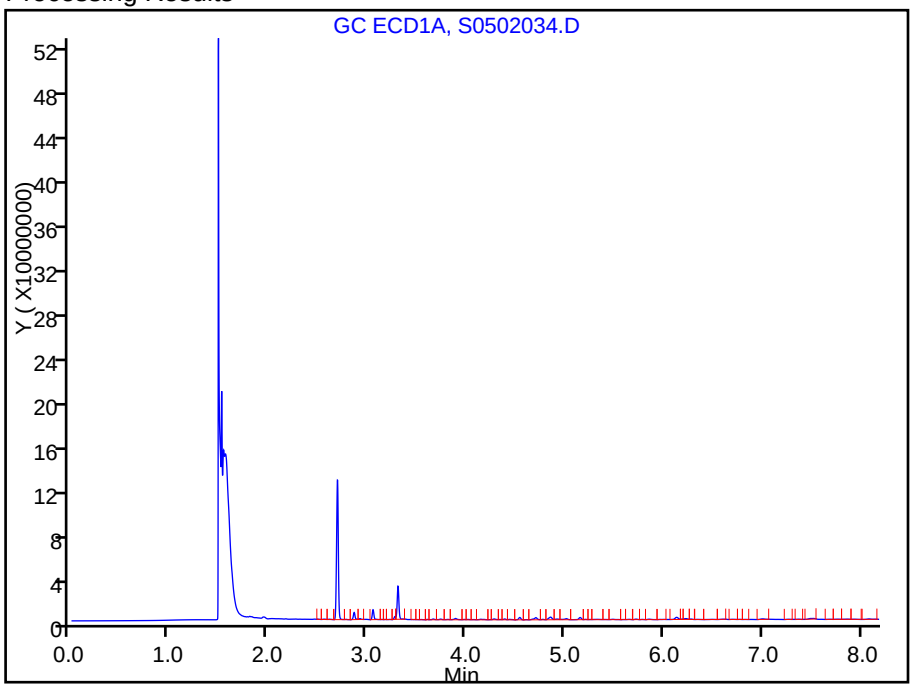
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
5.66	5.66	223026	0.005582
6.05			
6.70	6.71	143228	0.001879
7.19			
8.09	8.09	359602	0.006291
		Average =	0.003938



Reviewer: oravecj, 03-May-2016 09:51:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-38R-042816 Lab Sample ID: 180-54291-6

Matrix: Water Lab File ID: S0502034.D

Analysis Method: 8082A Date Collected: 04/28/2016 15:00

Extraction Method: 3510C Date Extracted: 04/30/2016 08:35

Sample wt/vol: 950(mL) Date Analyzed: 05/02/2016 17:59

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	73		43-138
877-09-8	Tetrachloro-m-xylene	93		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D
Lims ID: 180-54291-A-6-A
Client ID: CE-MW-38R-042816
Sample Type: Client
Inject. Date: 02-May-2016 17:59:15 ALS Bottle#: 34 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-034
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:51:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.698	2.700	-0.002	124357798H	0.1000	
2	2.914	2.916	-0.002	123781103H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.312	3.314	-0.002	29498757H	0.0198	
2	3.773	3.775	-0.002	25182787H	0.0186	
					RPD = 5.99	
3 PCB-1221						U
1		3.450			ND	
1		3.585				
1		3.624				
2		4.068				
2		4.232				
2		4.305				
4 PCB-1232						U
1		3.452			ND	
1		3.626				
1		4.474				
1		4.627				
1		6.059				
2		4.071				
2		4.307				
2		4.812				
2		5.462				
2		5.664				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.627			ND	
1		3.969				
1		4.475				
1		5.138				
1		5.770				
2		4.309				
2		4.813				
2		5.462				
2		5.664				
2		6.424				
6	PCB-1016					U
1		3.630			ND	
1		4.455				
1		4.633				
1		4.708				
1		5.142				
2		4.818				
2		5.467				
2		5.670				
2		6.429				
2		6.645				
7	PCB-1248					U
1		3.970			ND	
1		5.138				
1		5.728				
1		6.066				
1		6.705				
2		5.971				
2		6.426				
2		7.100				
2		7.187				
2		7.632				
8	PCB-1254					U
1		5.660			ND	
1		6.052				
1		6.699				
1		7.187				
1		8.087				
2		7.174				
2		7.535				
2		8.482				
2		8.915				
2		9.857				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						
1	7.010	7.023	-0.013	465014H	0.008364	
1	7.499	7.537	-0.038	574646H	0.007106	
1	8.091	8.095	-0.004	359602H	0.005387	
1	9.338	9.340	-0.002	580429H	0.004577	
1	9.784	9.809	-0.025	591264H	0.008410	
		Average of Peak Amounts =			0.006769	
2	8.857	8.865	-0.008	458718H	0.009031	
2	9.243	9.246	-0.003	381939H	0.005820	
2	9.858	9.863	-0.005	356376H	0.005744	
2	10.859	10.861	-0.002	667167H	0.005450	
2	0.000	11.394	-11.394	0H	0	
		Average of Peak Amounts =			0.006512	
					RPD = 3.87	
10 PCB-1262						U
1		7.530			ND	
1		8.317				
1		9.335				
1		9.802				
1		9.866				
2		9.240				
2		10.007				
2		10.857				
2		11.382				
2		11.966				
11 PCB-1268						U
1		9.866			ND	
1		9.929				
1		10.233				
1		11.188				
2		11.378				
2		11.444				
2		11.797				
2		12.611				
* 46 PCB-205 (IS)						
1	10.853	10.853	0.000	140733452H	0	
2	12.228	12.228	0.001	121573386H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.453	11.455	-0.002	19284762H	0.0155	
2	12.945	12.948	-0.003	15302249H	0.0146	
					RPD = 6.15	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

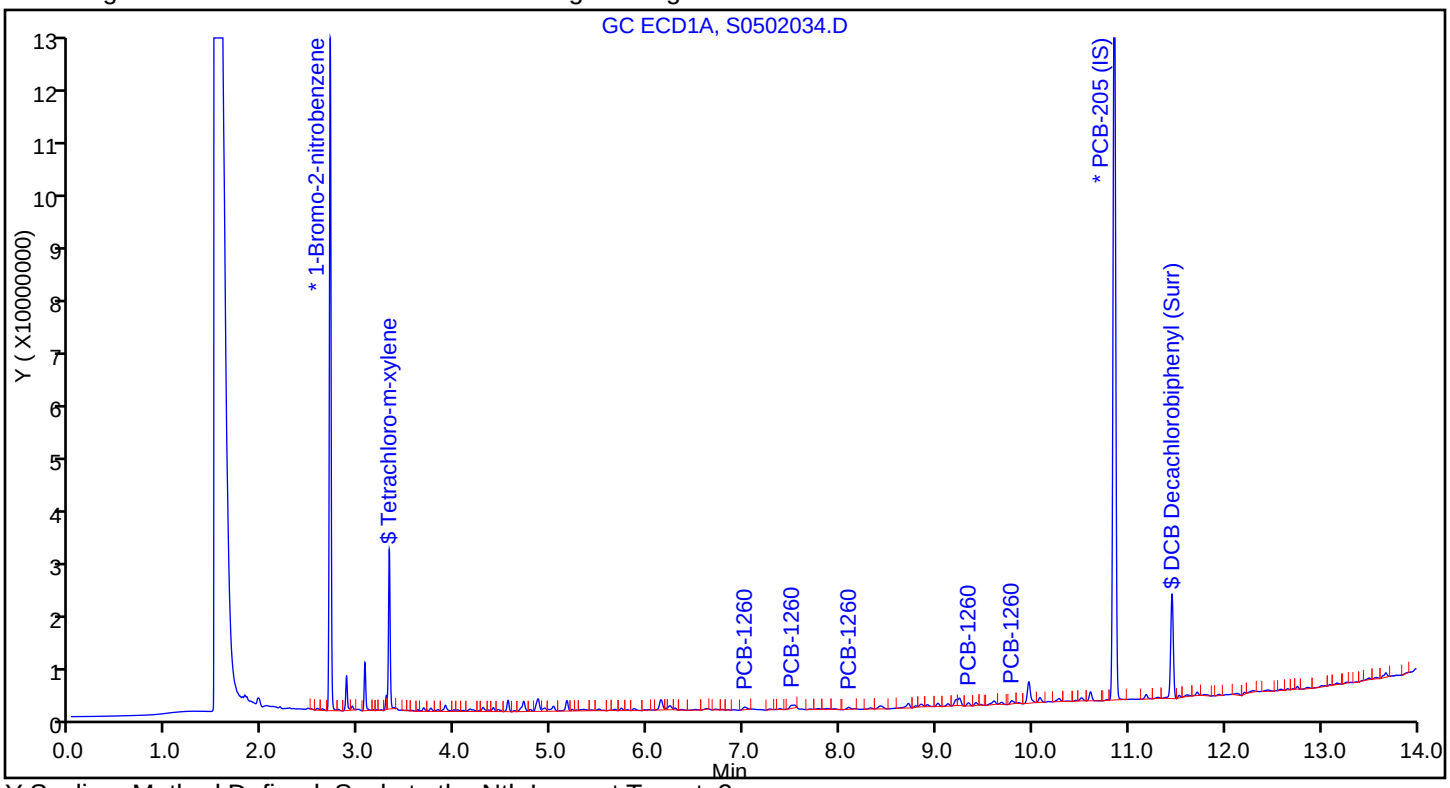
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

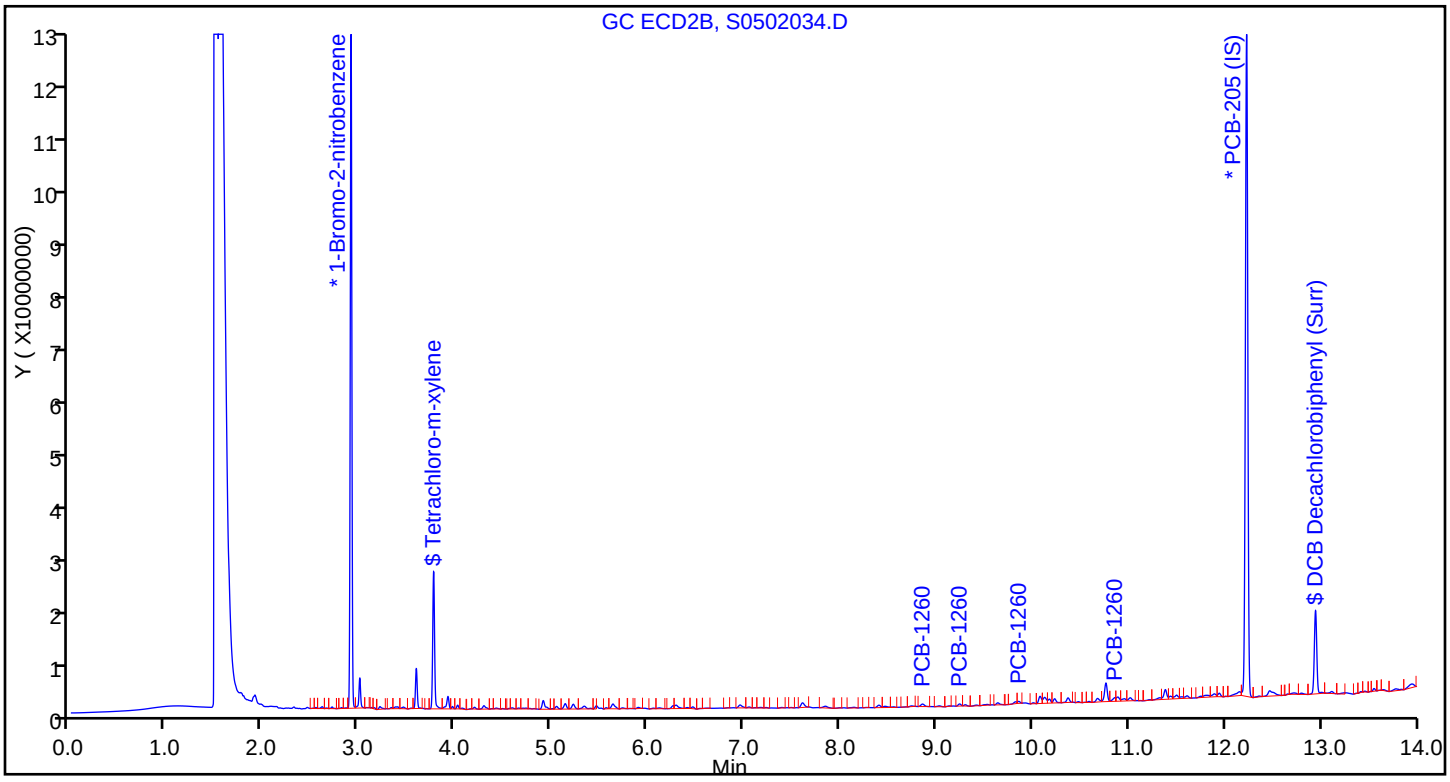
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

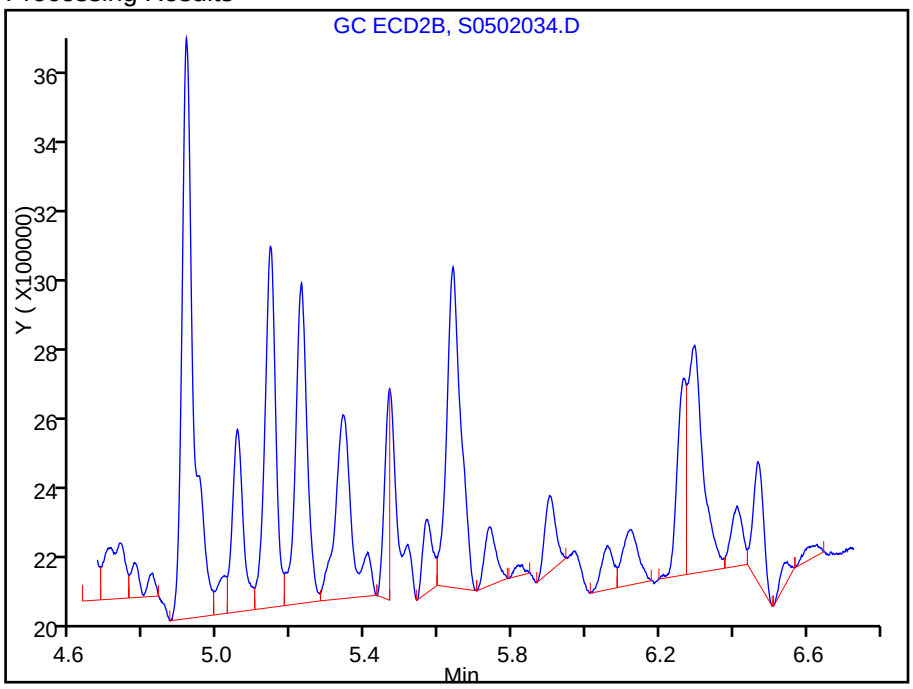
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.82	4.77	95476	0.003480
5.47	5.47	578464	0.011633
5.67	5.64	875759	0.030923
6.43	6.41	164337	0.006555
6.64	6.63	30303	0.001440
		Average =	0.021499



Reviewer: oravecj, 03-May-2016 09:51:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

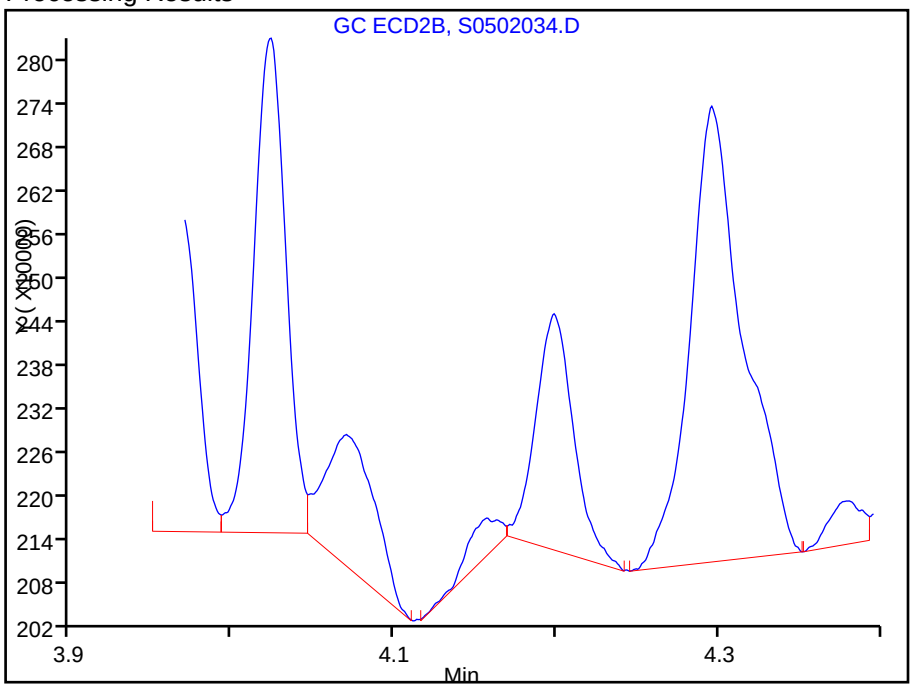
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.07	179800	0.015479
4.23	4.20	322427	0.041906
4.30	4.30	622078	0.025933
		Average =	0.020026



Reviewer: oravecj, 03-May-2016 09:51:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

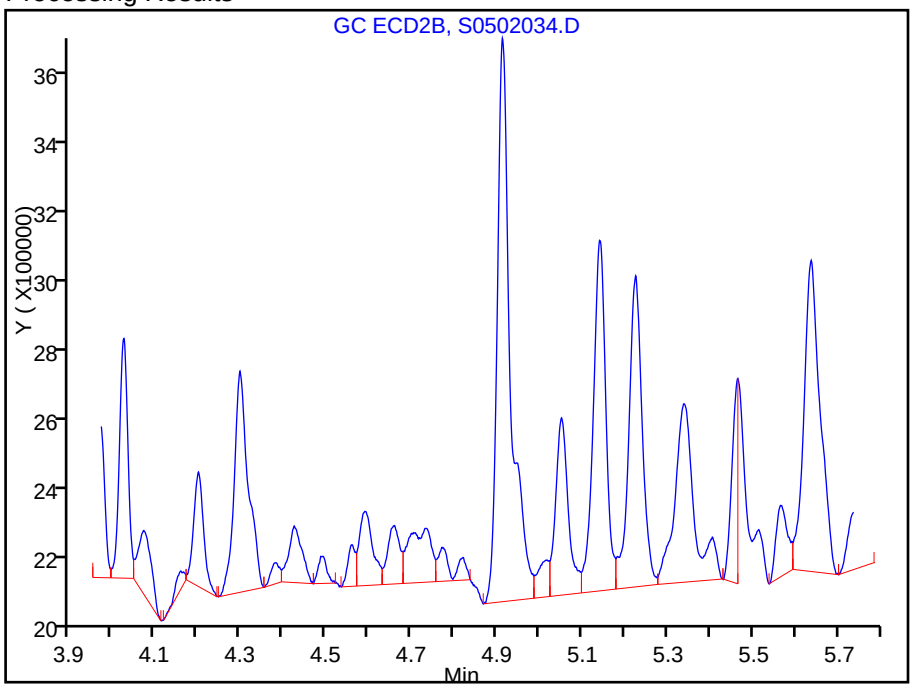
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.07	179800	0.019622
4.31	4.30	622078	0.026548
4.81	4.77	95476	0.006842
5.46	5.47	578464	0.023398
5.66	5.64	875759	0.061721
		Average =	0.019907



Reviewer: oravecj, 03-May-2016 09:51:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

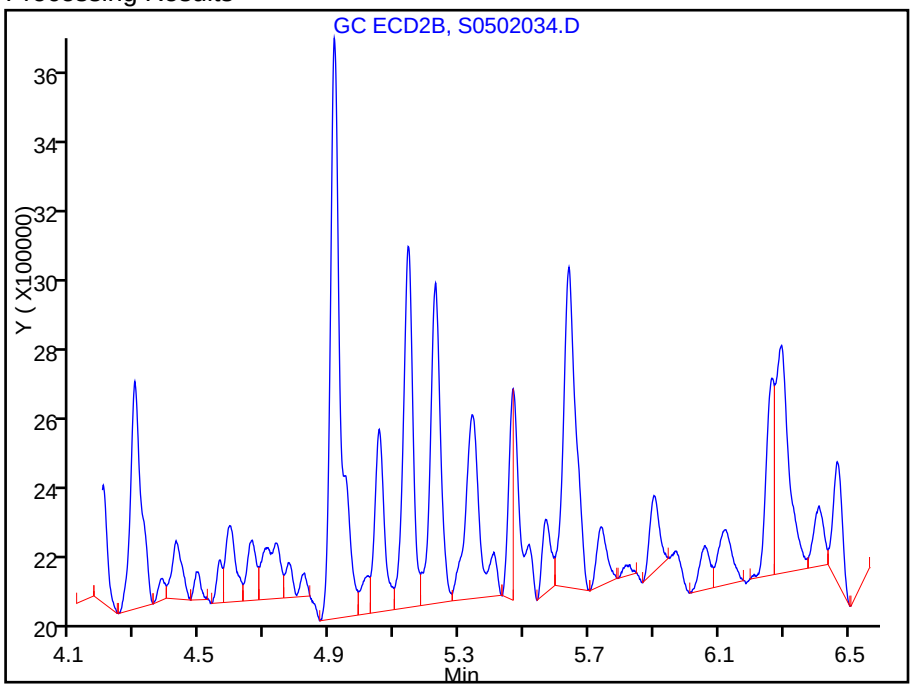
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.31	4.30	622078	0.039269
4.81	4.77	95476	0.004348
5.46	5.47	578464	0.014314
5.66	5.64	875759	0.038298
6.42	6.41	164337	0.007884
		Average =	0.022164



Reviewer: oravecj, 03-May-2016 09:51:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

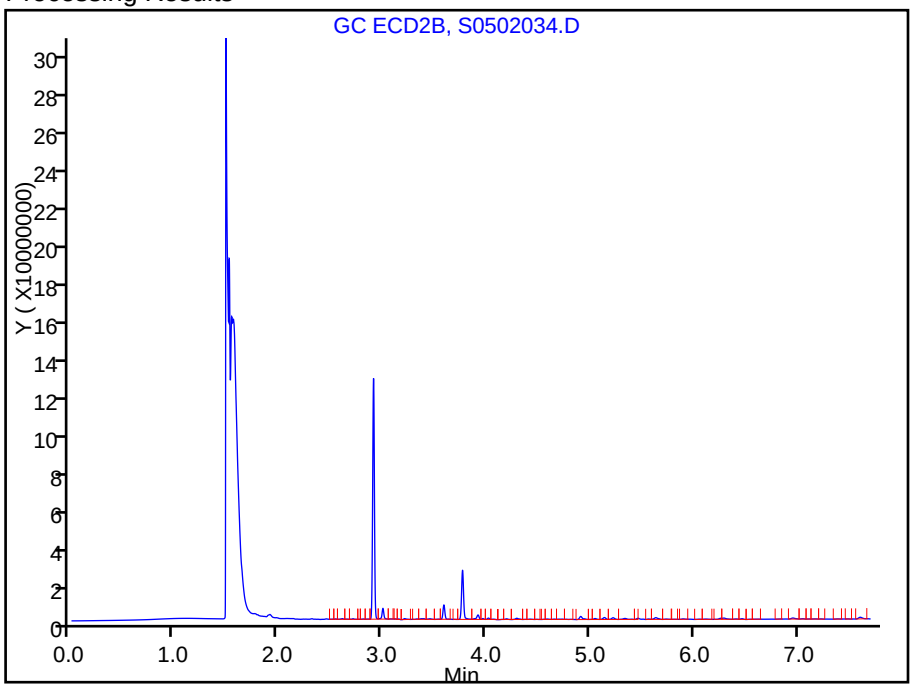
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
5.97			
6.43	6.41	164337	0.005054
7.10	7.12	64393	0.001757
7.19	7.17	103986	0.002746
7.63	7.61	845151	0.029808
		Average =	0.015225



Reviewer: oravecj, 03-May-2016 09:51:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

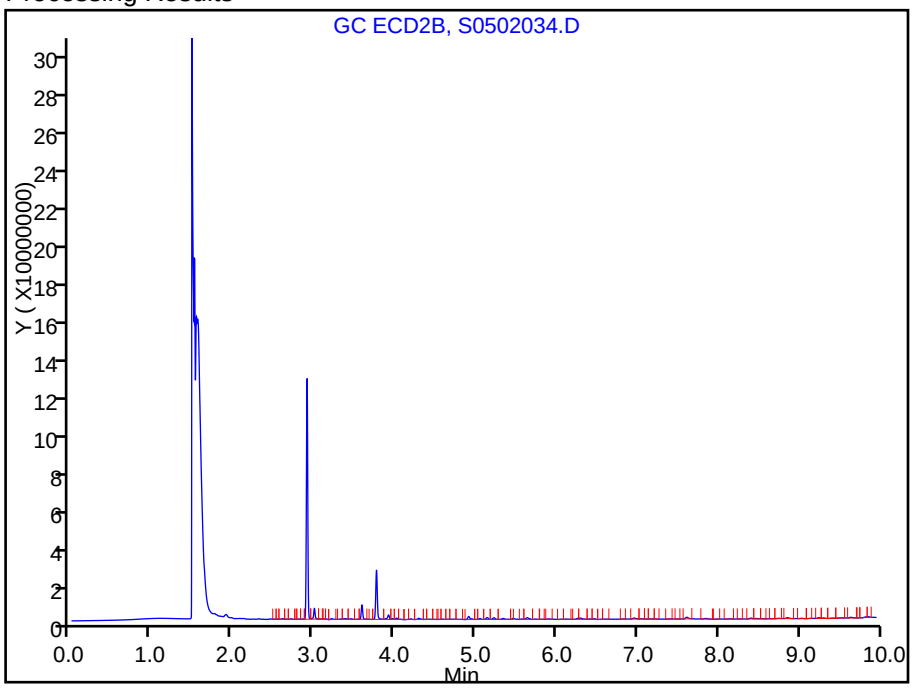
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502034.D				
Injection Date:	02-May-2016 17:59:15	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-6-A	Lab Sample ID:	180-54291-6		
Client ID:	CE-MW-38R-042816				
Operator ID:	402331	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
7.17	7.17	103986	0.002904
7.53	7.49	56521	0.001372
8.48	8.47	225041	0.003462
8.91			
9.86	9.86	356376	0.006077
		Average =	0.003938



Reviewer: oravecj, 03-May-2016 09:51:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-28R5_042916 | Lab Sample ID: 180-54318-1

Matrix: Water | Lab File ID: S0504017.D

Analysis Method: 8082A | Date Collected: 04/29/2016 14:35

Extraction Method: 3510C | Date Extracted: 05/03/2016 13:30

Sample wt/vol: 950(mL) | Date Analyzed: 05/04/2016 10:11

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.0039	U	0.011	0.0039
11104-28-2	Arochlor 1221	0.0062	U	0.011	0.0062
11141-16-5	Arochlor 1232	0.0064	U	0.011	0.0064
53469-21-9	Arochlor 1242	0.0035	U	0.011	0.0035
12672-29-6	Arochlor 1248	0.0034	U	0.011	0.0034
11097-69-1	Arochlor 1254	0.0047	U	0.011	0.0047
11096-82-5	Arochlor 1260	0.019	p	0.011	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	96		43-138
877-09-8	Tetrachloro-m-xylene	123		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D
Lims ID: 180-54318-A-1-A
Client ID: MW-28R5_042916
Sample Type: Client
Inject. Date: 04-May-2016 10:11:07 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-017
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 10:52:44 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

First Level Reviewer: oravecj Date: 04-May-2016 10:52:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						M
1	2.698	2.693	0.005	81927562H	0.1000	M
2	2.918	2.910	0.008	79651099H	0.1000	M
$ 2 Tetrachloro-m-xylene						M
1	3.310	3.307	0.003	24280190H	0.0247	M
2	3.776	3.768	0.008	29138139H	0.0335	M
					RPD = 30.19	
3 PCB-1221						MU
1		3.444			ND	
1		3.579				
1		3.618				
2		4.063				
2		4.225				
2		4.299				
4 PCB-1232						MU
1		3.447			ND	
1		3.622				
1		4.468				
1		4.622				
1		6.053				
2		4.066				
2		4.302				
2		4.807				
2		5.455				
2		5.657				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					MU
1		3.623			ND	
1		3.965				
1		4.471				
1		5.132				
1		5.764				
2		4.304				
2		4.809				
2		5.457				
2		5.661				
2		6.419				
6	PCB-1016					MU
1		3.623			ND	
1		4.447				
1		4.624				
1		4.700				
1		5.132				
2		4.810				
2		5.458				
2		5.662				
2		6.420				
2		6.635				
7	PCB-1248					MU
1		3.965			ND	
1		5.133				
1		5.723				
1		6.060				
1		6.698				
2		5.966				
2		6.421				
2		7.094				
2		7.183				
2		7.629				
8	PCB-1254					MU
1		5.654			ND	
1		6.046				
1		6.693				
1		7.182				
1		8.083				
2		7.166				
2		7.528				
2		8.475				
2		8.910				
2		9.853				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						M
1	7.018	7.013	0.005	643236H	0.0176	
1	7.522	7.527	-0.005	1334930H	0.0251	M
1	8.088	8.084	0.004	684604H	0.0156	
1	9.333	9.331	0.002	1229503H	0.0147	M
1	0.000	9.801	-9.801	0H	0	
		Average of Peak Amounts =			0.0182	
2	8.858	8.856	0.002	758370H	0.0232	
2	9.244	9.238	0.006	1127703H	0.0267	
2	9.863	9.856	0.007	1481990H	0.0371	
2	10.854	10.854	0.000	2734962H	0.0347	
2	11.378	11.387	-0.009	841112H	0.0196	
		Average of Peak Amounts =			0.0283	
					RPD = 43.22	
10 PCB-1262						U
1		7.523			ND	
1		8.309				
1		9.329				
1		9.798				
1		9.862				
2		9.233				
2		10.001				
2		10.852				
2		11.378				
2		11.962				
11 PCB-1268						
1		9.862			ND	
1		9.925				
1		10.229				
1		11.185				
2		11.375				
2		11.441				
2		11.795				
2		12.610				
* 46 PCB-205 (IS)						
1	10.849	10.853	-0.003	100407736H	0	
2	12.230	12.228	0.002	90214729H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.452	11.450	0.002	15761808H	0.0193	
2	12.947	12.943	0.004	12357571H	0.0183	
					RPD = 5.00	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

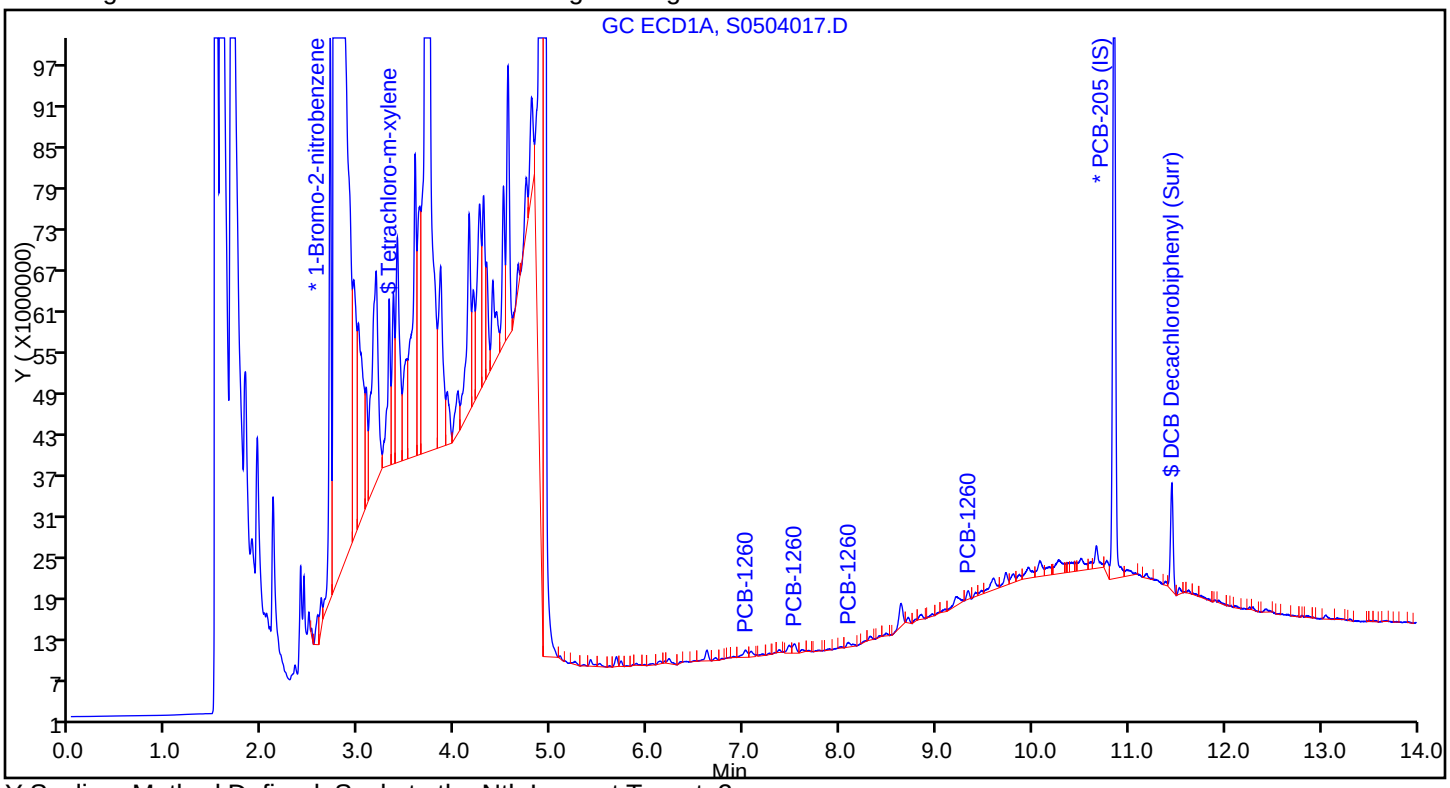
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 04-May-2016 10:52:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

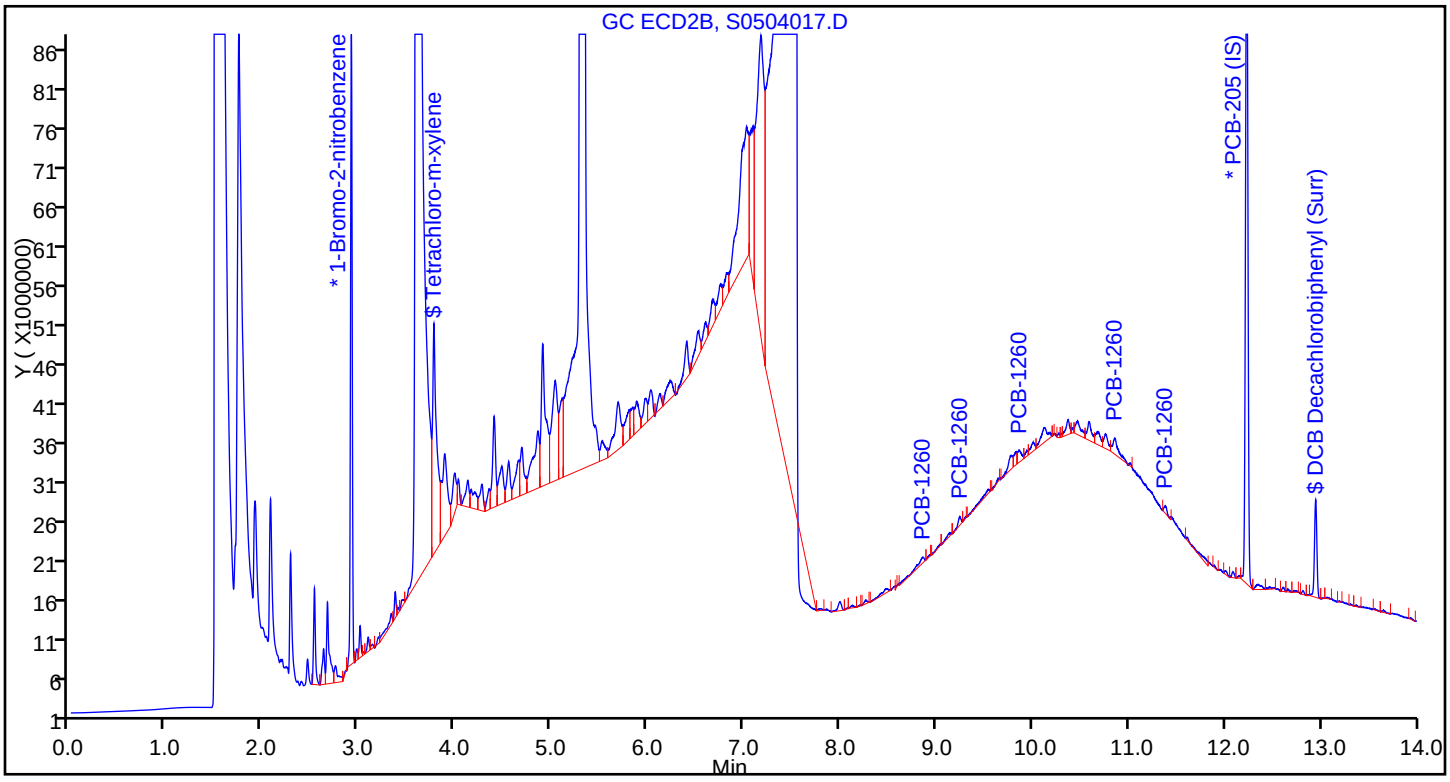
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

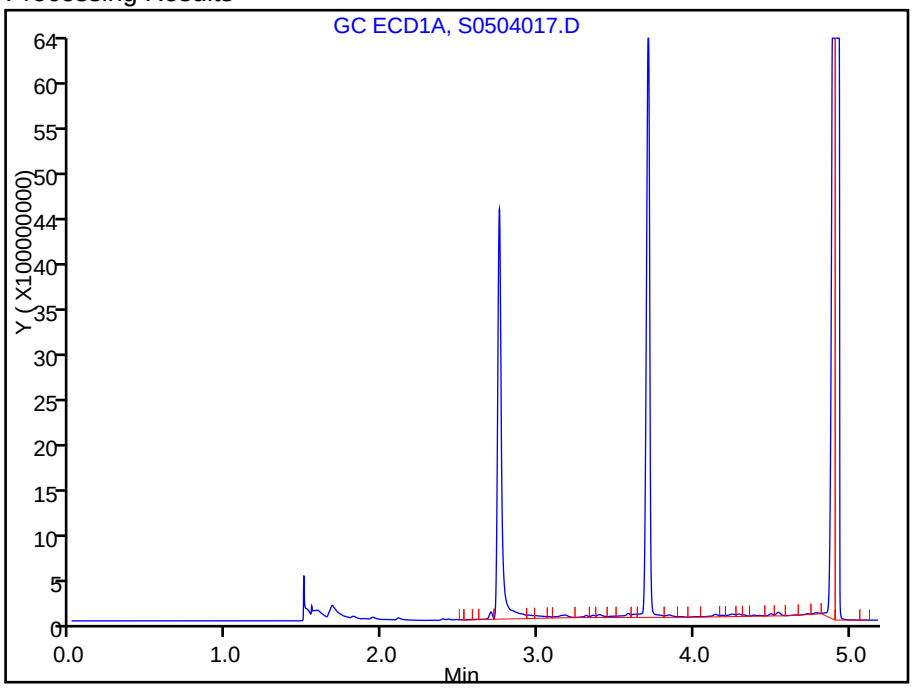
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.62	3.63	64695352	4.041272
4.45			
4.62	4.65	57068040	2.390578
4.70	4.74	69730095	3.974799
5.13	5.09	406726	0.019846
		Average =	2.322733



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

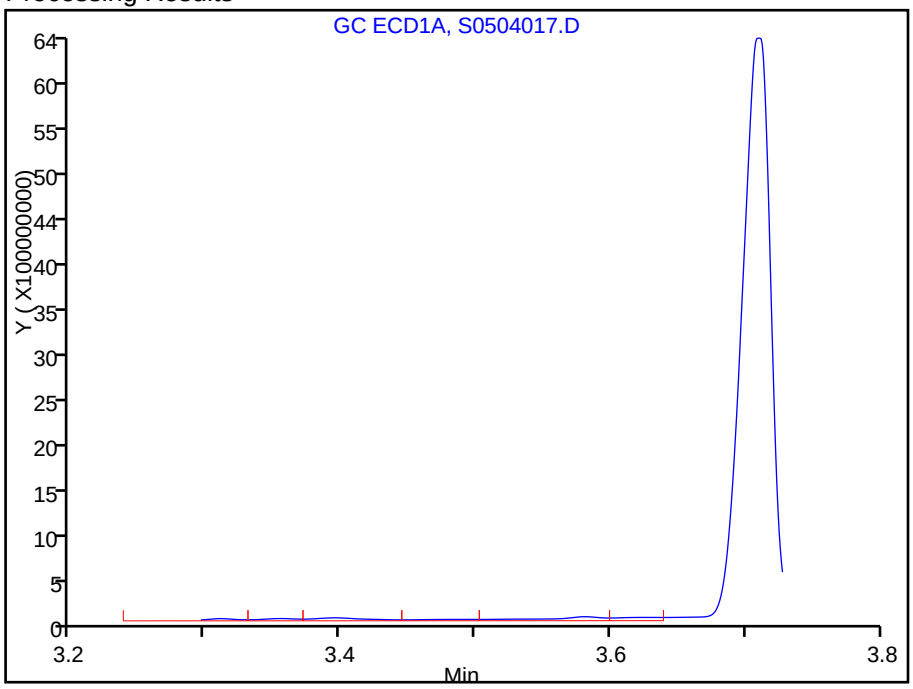
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.44	3.40	60043601	6.592260
3.58	3.58	72355642	12.295666
3.62	3.63	64695352	3.154140
		Average =	5.300944



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

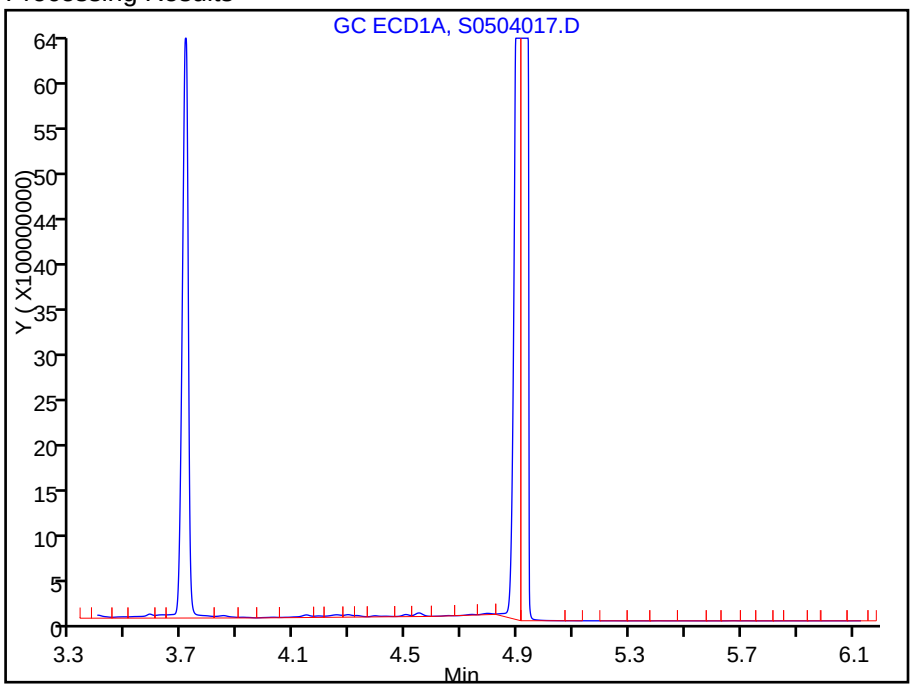
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.49	42358995	5.878056
3.62	3.63	64695352	3.295079
4.47	4.50	68296794	3.343612
4.62	4.65	57068040	4.703212
6.05	6.03	187085	0.017360
		Average =	3.221669



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Marked Compound Undetected Audit Reason:

User Disabled Compound Report

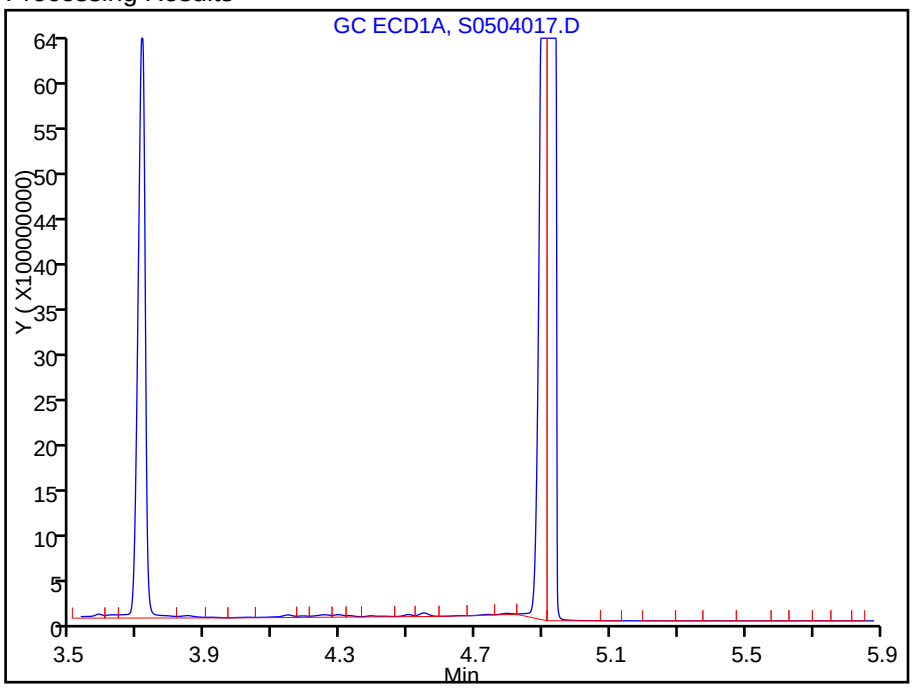
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.62	3.63	64695352	5.026975
3.96	3.92	37864116	2.013615
4.47	4.50	68296794	2.051794
5.13	5.09	406726	0.024013
5.76	5.78	116407	0.006568
		Average =	1.983522



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

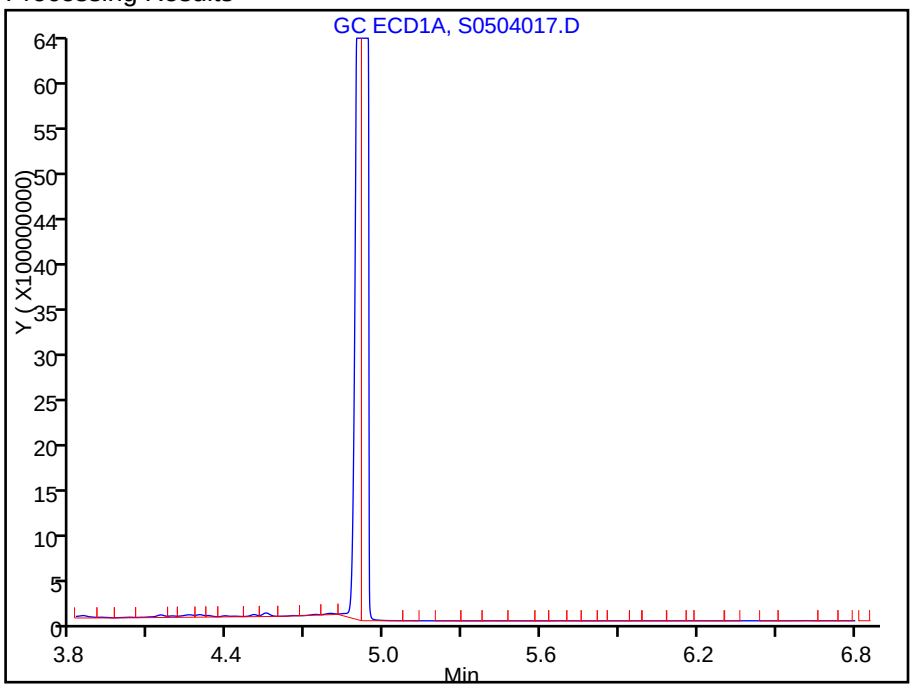
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.97	3.92	37864116	3.375042
5.13	5.09	406726	0.015470
5.72	5.72	795198	0.025909
6.06	6.03	187085	0.009096
6.70	6.71	408997	0.026893
		Average =	1.383661



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

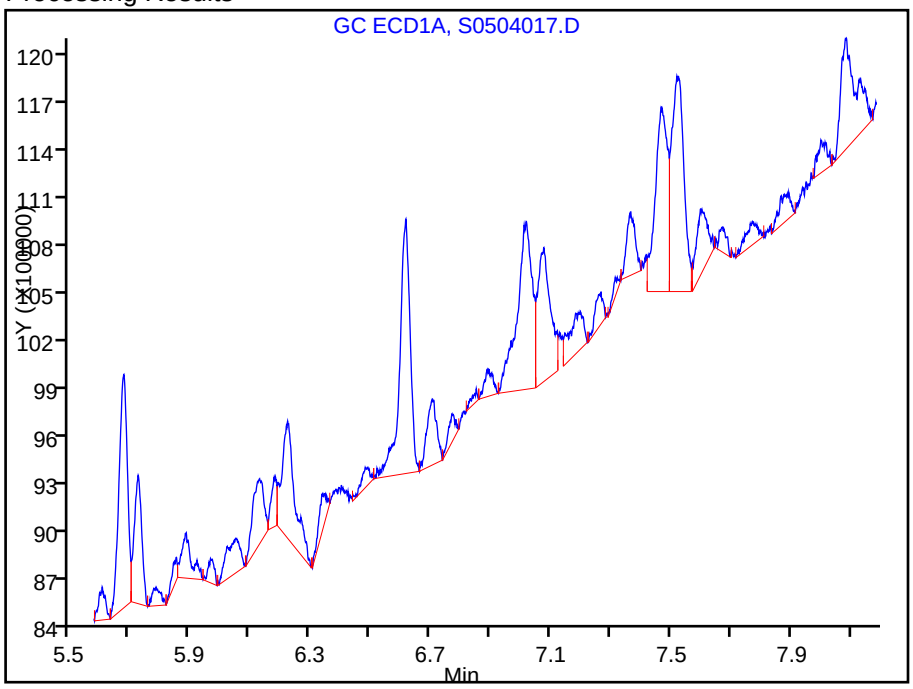
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
5.65	5.68	1444848	0.054893
6.05	6.03	187085	0.005213
6.69	6.71	408997	0.008144
7.18	7.19	174425	0.004644
8.08	8.09	684604	0.018178
	Average =		24.728354



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

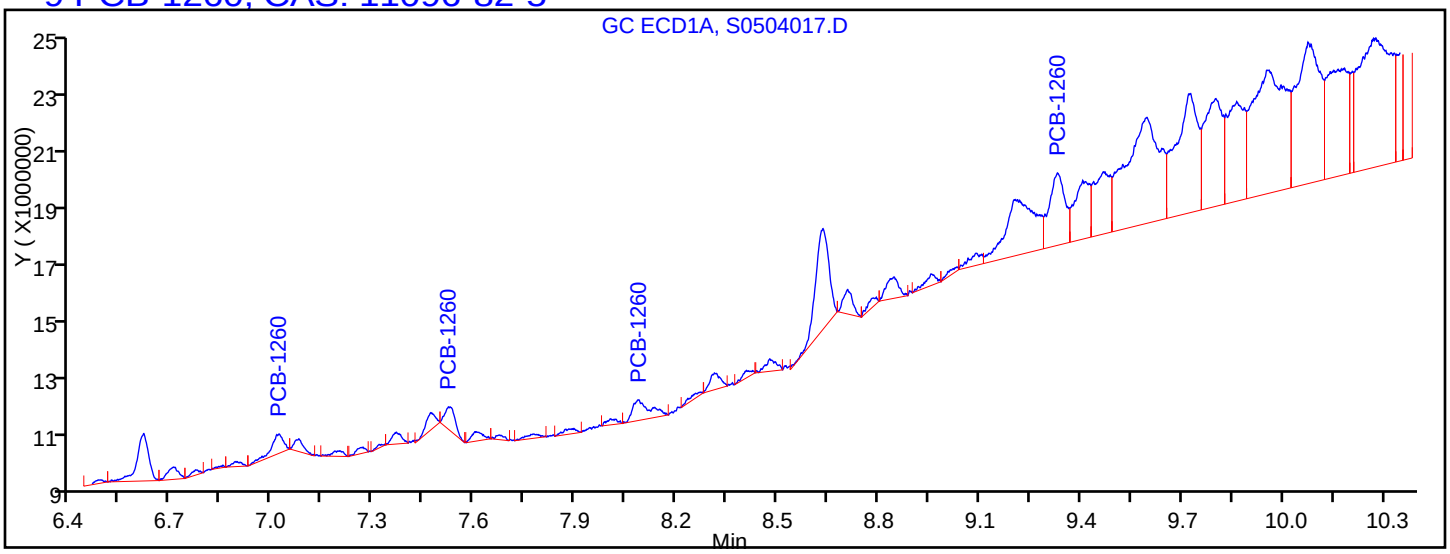
Report Date: 04-May-2016 10:52:50 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D

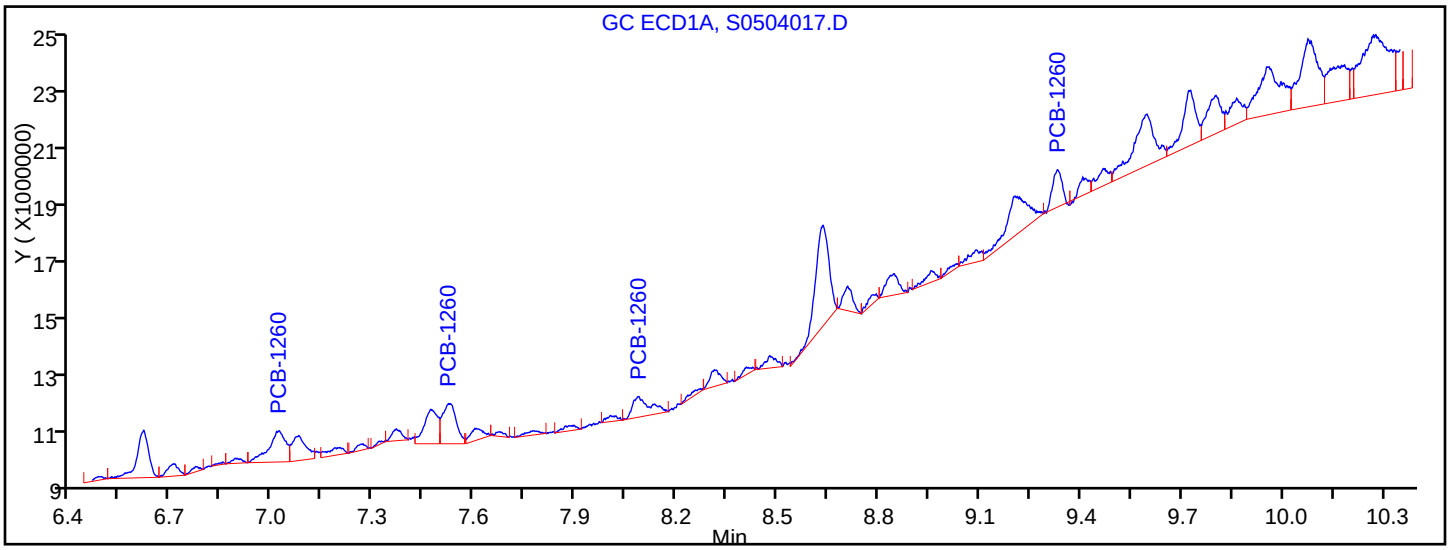
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		
Column:		Detector	GC ECD1A		

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 7.018	Response = 643236	
RT = 7.522	Response = 743707	M
RT = 8.088	Response = 684604	
RT = 9.333	Response = 2393516	M
RT = 9.803	Response = 3578522	



Manual Integration Results

RT = 7.018	Response = 643236	
RT = 7.522	Response = 1334930	M
RT = 8.088	Response = 684604	
RT = 9.333	Response = 1229503	M
RT = 0.000	Response = 0	

Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

TestAmerica Pittsburgh

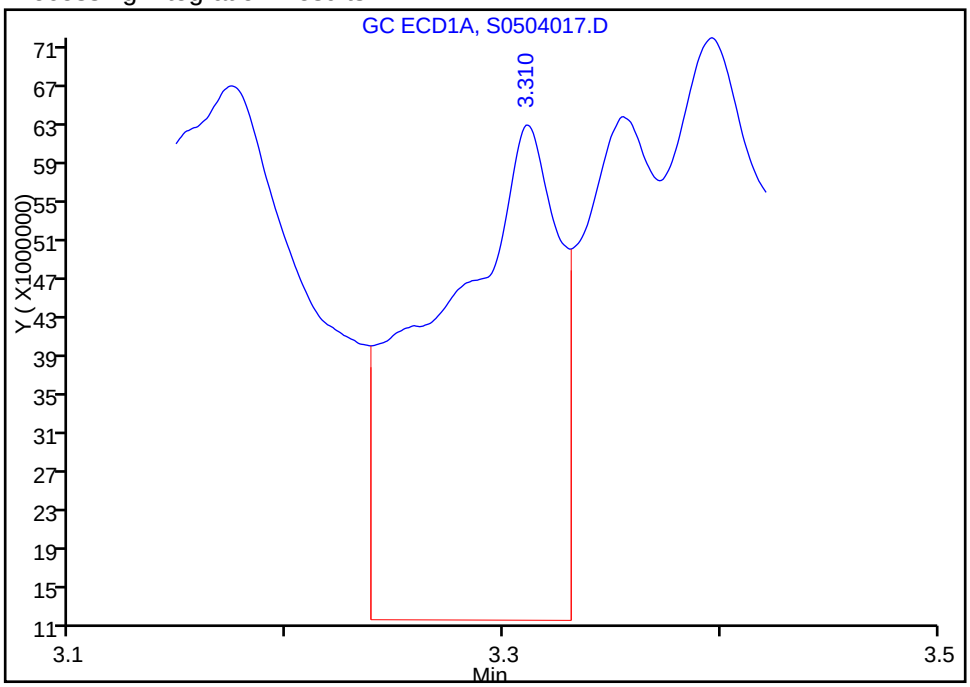
Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		
Column:		Detector	GC ECD1A		

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

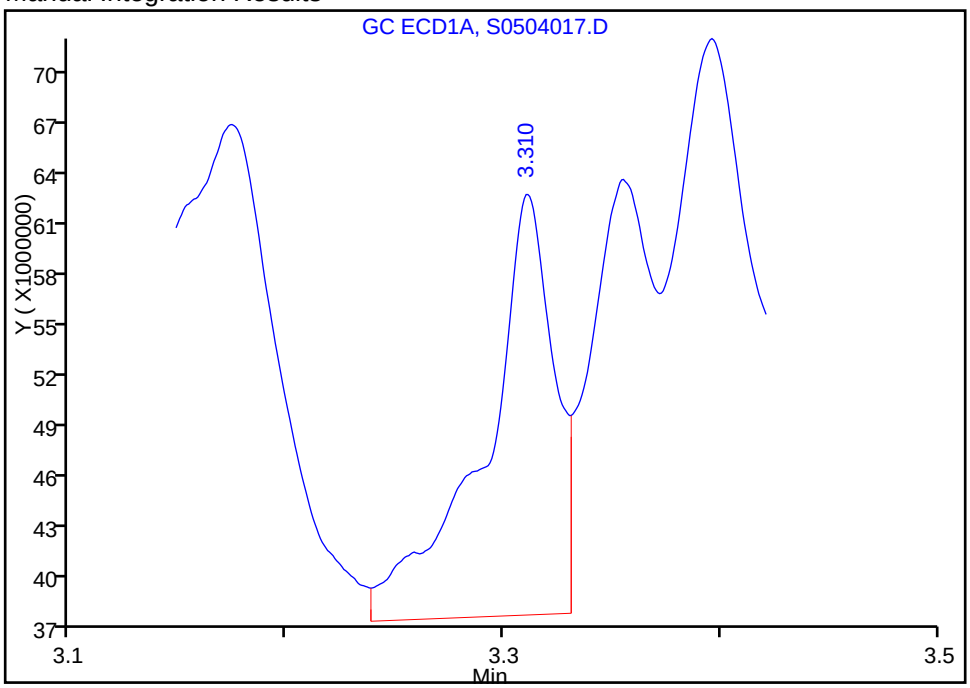
Processing Integration Results

RT: 3.31
Height: 50974886
Amount: 0.051816
Amount Units: ng



Manual Integration Results

RT: 3.31
Height: 24280190
Amount: 0.024681
Amount Units: ng



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

TestAmerica Pittsburgh

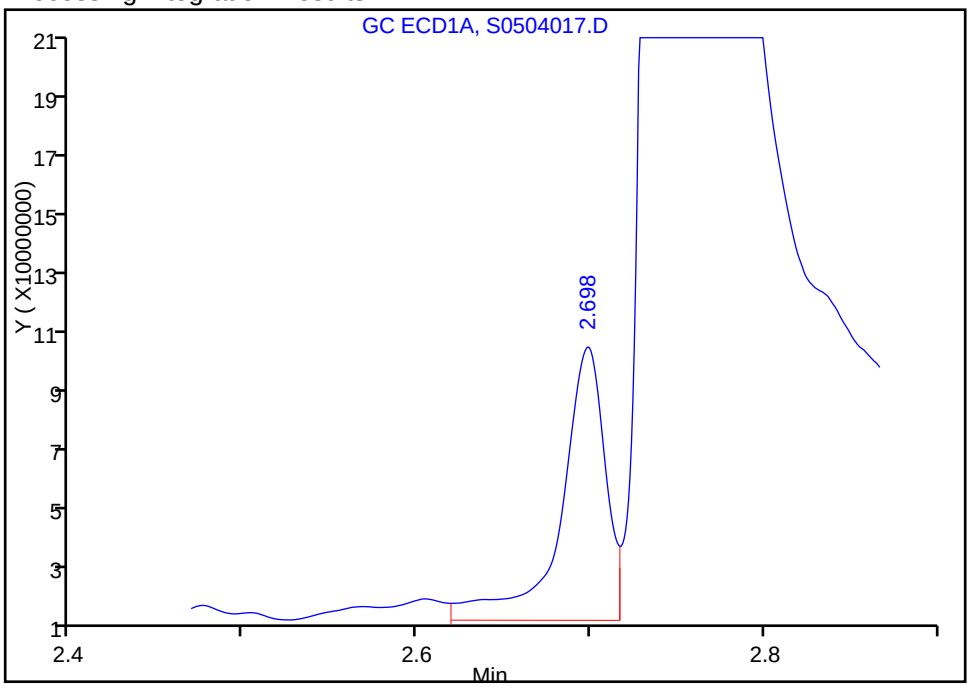
Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		
Column:		Detector	GC ECD1A		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

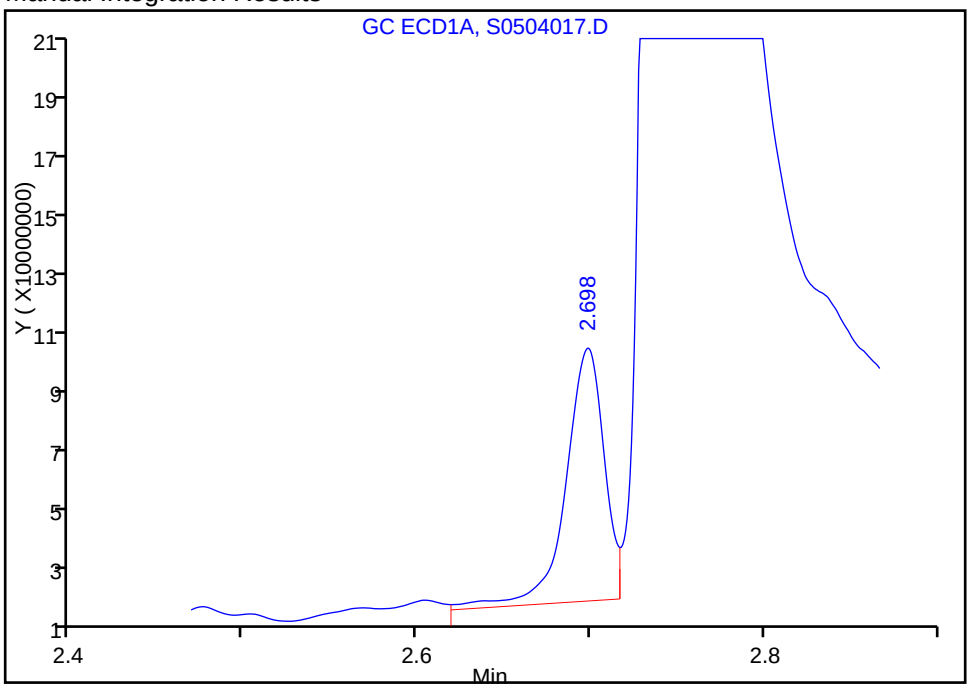
Processing Integration Results

RT: 2.70
Height: 88612929
Amount: 0.100000
Amount Units: ng



Manual Integration Results

RT: 2.70
Height: 81927562
Amount: 0.100000
Amount Units: ng



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-28R5_042916 Lab Sample ID: 180-54318-1

Matrix: Water Lab File ID: S0504017.D

Analysis Method: 8082A Date Collected: 04/29/2016 14:35

Extraction Method: 3510C Date Extracted: 05/03/2016 13:30

Sample wt/vol: 950(mL) Date Analyzed: 05/04/2016 10:11

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	92		43-138
877-09-8	Tetrachloro-m-xylene	167	*	34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D
Lims ID: 180-54318-A-1-A
Client ID: MW-28R5_042916
Sample Type: Client
Inject. Date: 04-May-2016 10:11:07 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-017
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 10:52:44 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

First Level Reviewer: oravecj Date: 04-May-2016 10:52:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						M
1	2.698	2.693	0.005	81927562H	0.1000	M
2	2.918	2.910	0.008	79651099H	0.1000	M
$ 2 Tetrachloro-m-xylene						M
1	3.310	3.307	0.003	24280190H	0.0247	M
2	3.776	3.768	0.008	29138139H	0.0335	M
					RPD = 30.19	
3 PCB-1221						MU
1		3.444			ND	
1		3.579				
1		3.618				
2		4.063				
2		4.225				
2		4.299				
4 PCB-1232						MU
1		3.447			ND	
1		3.622				
1		4.468				
1		4.622				
1		6.053				
2		4.066				
2		4.302				
2		4.807				
2		5.455				
2		5.657				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					MU
1		3.623			ND	
1		3.965				
1		4.471				
1		5.132				
1		5.764				
2		4.304				
2		4.809				
2		5.457				
2		5.661				
2		6.419				
6	PCB-1016					MU
1		3.623			ND	
1		4.447				
1		4.624				
1		4.700				
1		5.132				
2		4.810				
2		5.458				
2		5.662				
2		6.420				
2		6.635				
7	PCB-1248					MU
1		3.965			ND	
1		5.133				
1		5.723				
1		6.060				
1		6.698				
2		5.966				
2		6.421				
2		7.094				
2		7.183				
2		7.629				
8	PCB-1254					MU
1		5.654			ND	
1		6.046				
1		6.693				
1		7.182				
1		8.083				
2		7.166				
2		7.528				
2		8.475				
2		8.910				
2		9.853				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						M
1	7.018	7.013	0.005	643236H	0.0176	
1	7.522	7.527	-0.005	1334930H	0.0251	M
1	8.088	8.084	0.004	684604H	0.0156	
1	9.333	9.331	0.002	1229503H	0.0147	M
1	0.000	9.801	-9.801	0H	0	
		Average of Peak Amounts =			0.0182	
2	8.858	8.856	0.002	758370H	0.0232	
2	9.244	9.238	0.006	1127703H	0.0267	
2	9.863	9.856	0.007	1481990H	0.0371	
2	10.854	10.854	0.000	2734962H	0.0347	
2	11.378	11.387	-0.009	841112H	0.0196	
		Average of Peak Amounts =			0.0283	
					RPD = 43.22	
10 PCB-1262						U
1		7.523			ND	
1		8.309				
1		9.329				
1		9.798				
1		9.862				
2		9.233				
2		10.001				
2		10.852				
2		11.378				
2		11.962				
11 PCB-1268						
1		9.862			ND	
1		9.925				
1		10.229				
1		11.185				
2		11.375				
2		11.441				
2		11.795				
2		12.610				
* 46 PCB-205 (IS)						
1	10.849	10.853	-0.003	100407736H	0	
2	12.230	12.228	0.002	90214729H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.452	11.450	0.002	15761808H	0.0193	
2	12.947	12.943	0.004	12357571H	0.0183	
					RPD = 5.00	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

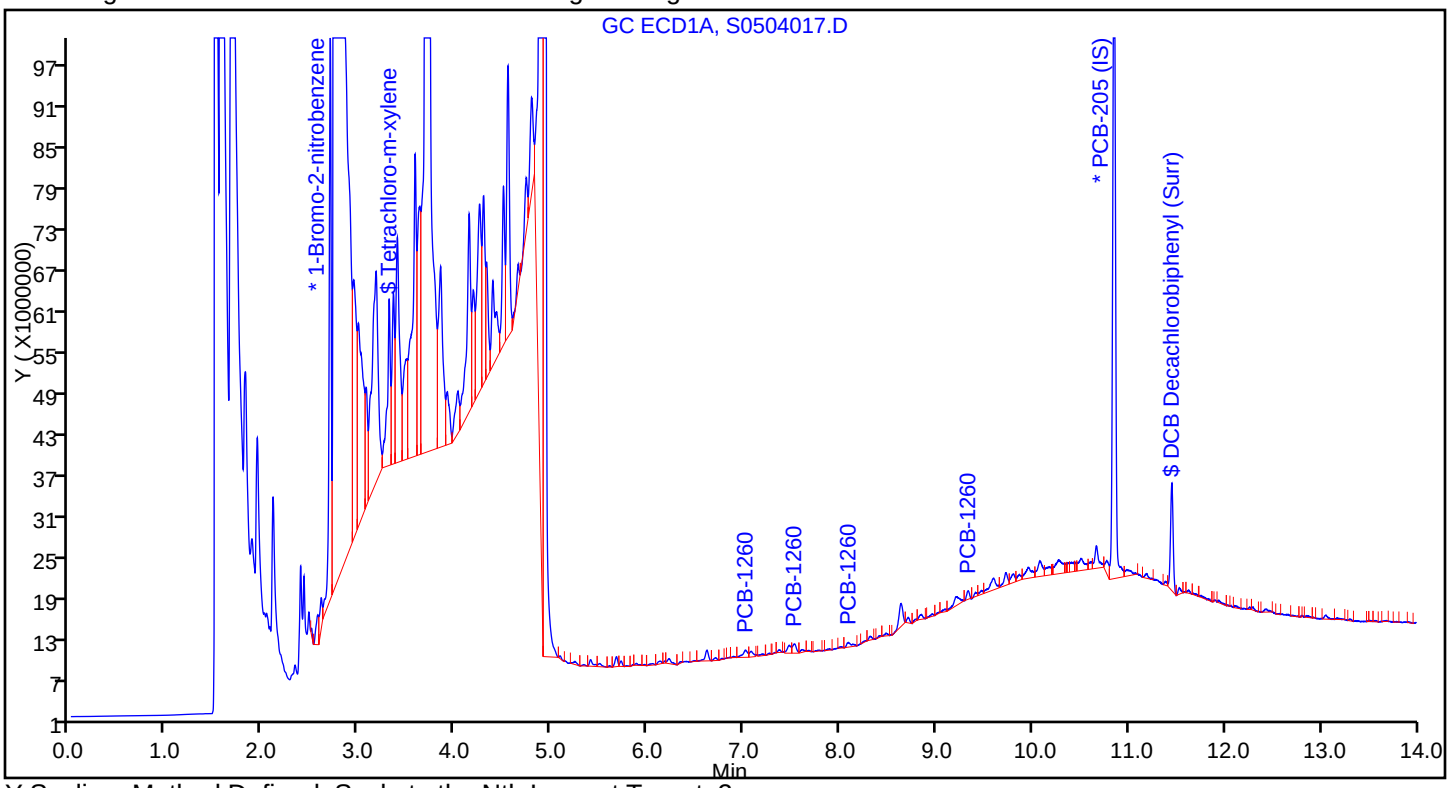
Report Date: 04-May-2016 10:52:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

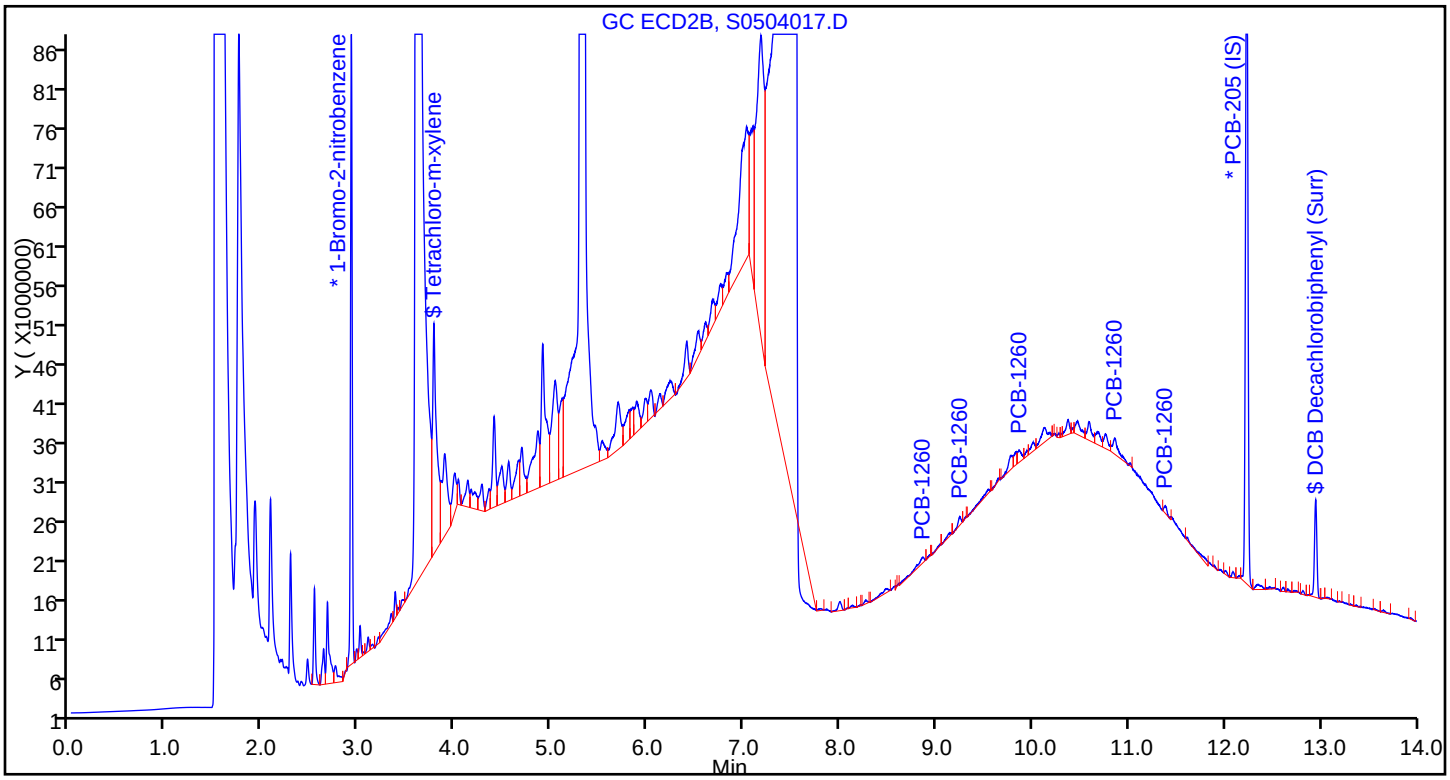
Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D

Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

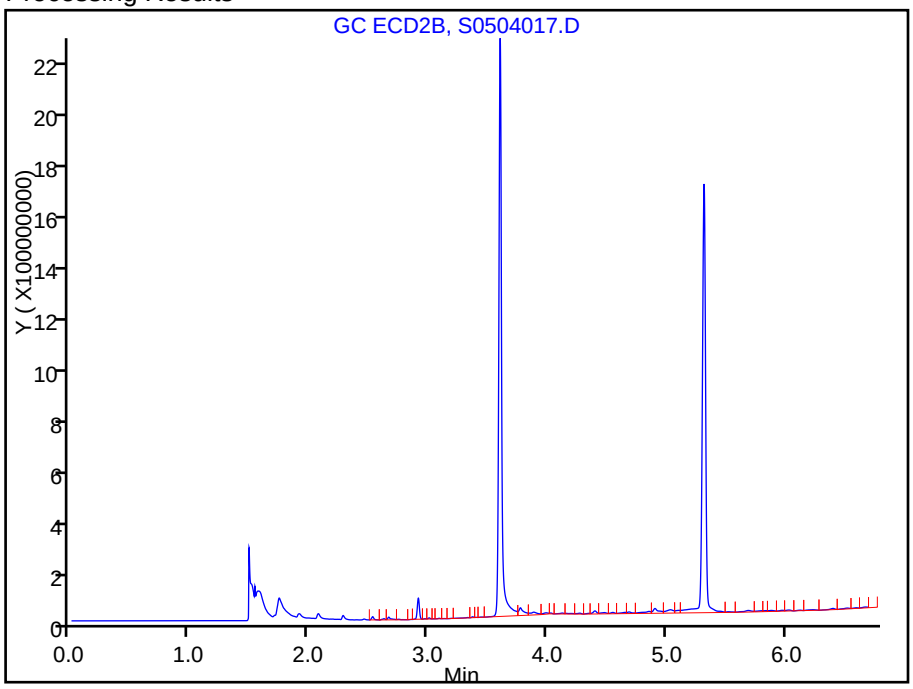
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.81	4.86	28017552	1.547659
5.46			
5.66	5.69	30173484	1.614798
6.42	6.41	36566704	2.210790
6.63	6.60	38627979	2.782118
		Average =	2.322733



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

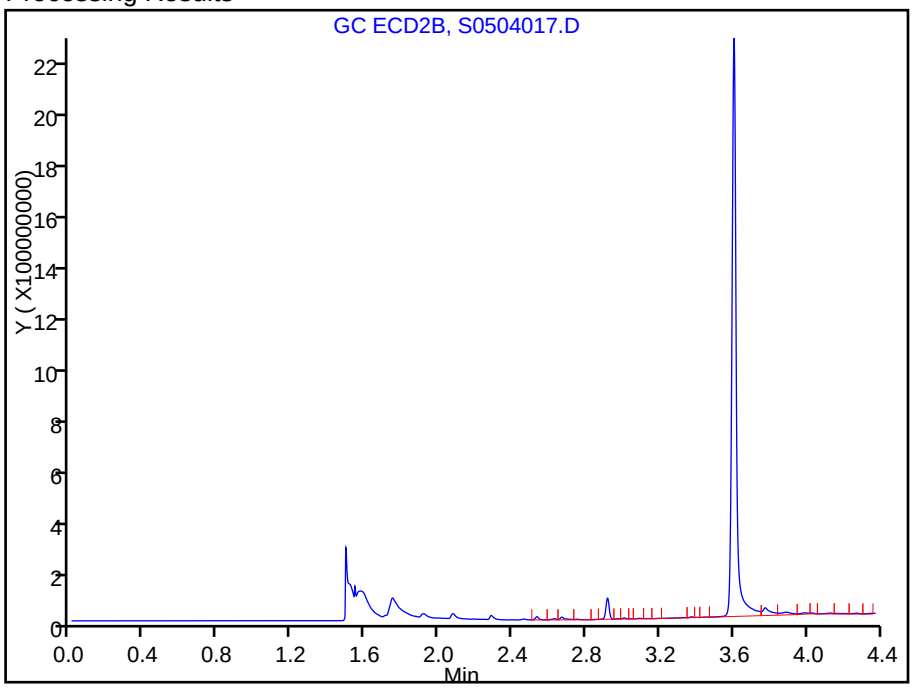
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.06	4.03	23390017	3.051874
4.23			
4.30	4.28	22328091	1.410780
		Average =	5.300944



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

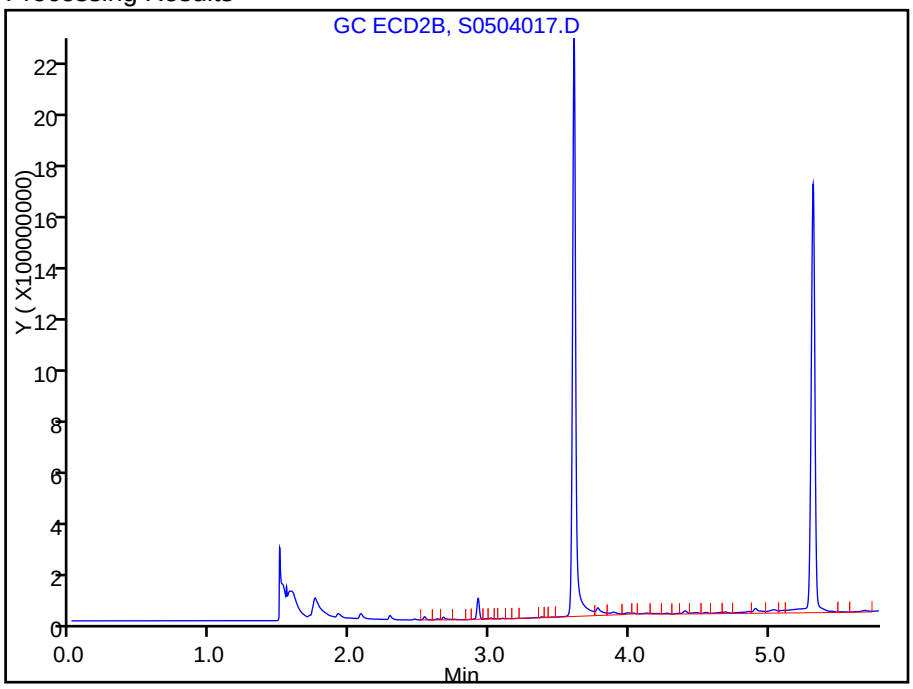
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.03	23390017	3.868782
4.30	4.28	22328091	1.444201
4.81			
5.45			
5.66	5.69	30173484	3.223048
		Average =	3.221669



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Marked Compound Undetected Audit Reason:

User Disabled Compound Report

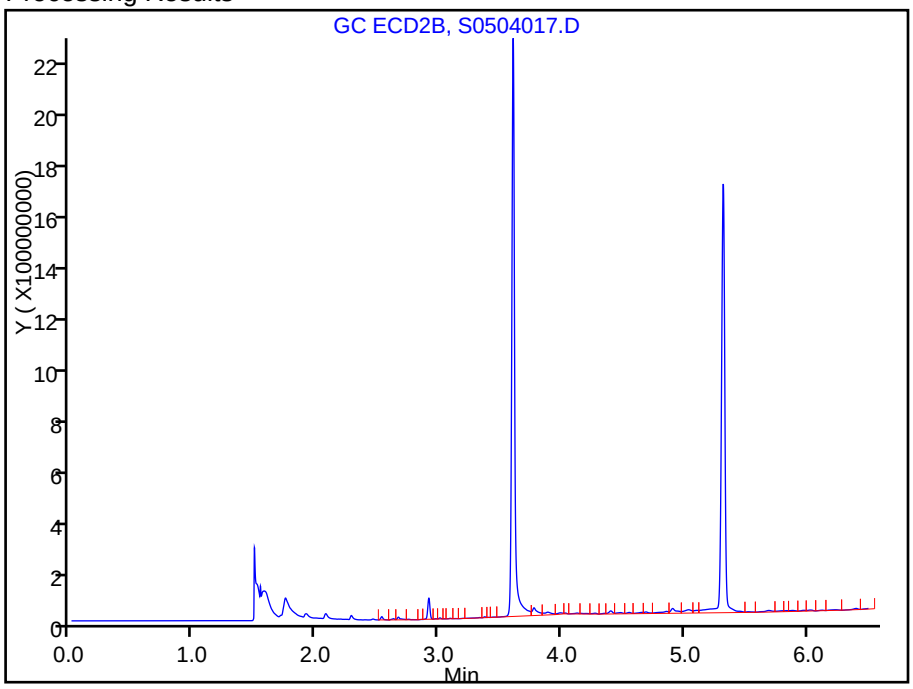
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.30	4.28	22328091	2.136272
4.81	4.86	28017552	1.933626
5.46			
5.66	5.69	30173484	1.999929
6.42	6.41	36566704	2.658902
		Average =	1.983522



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

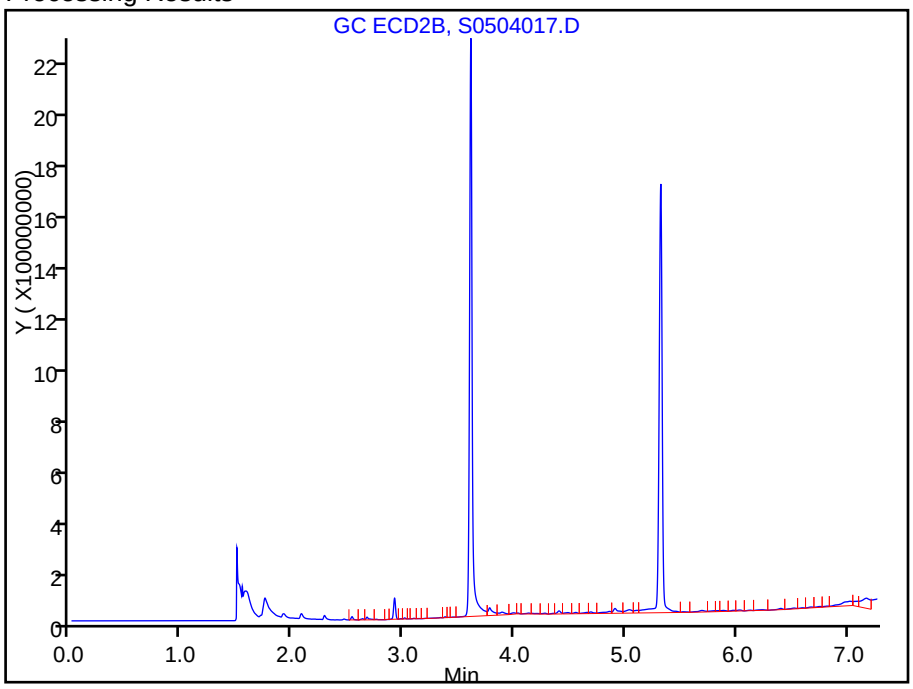
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
5.97	5.98	30110308	1.758745
6.42	6.41	36566704	1.704555
7.09	7.09	62475913	2.583916
7.18	7.18	73790239	2.953320
7.63			
		Average =	1.383661



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

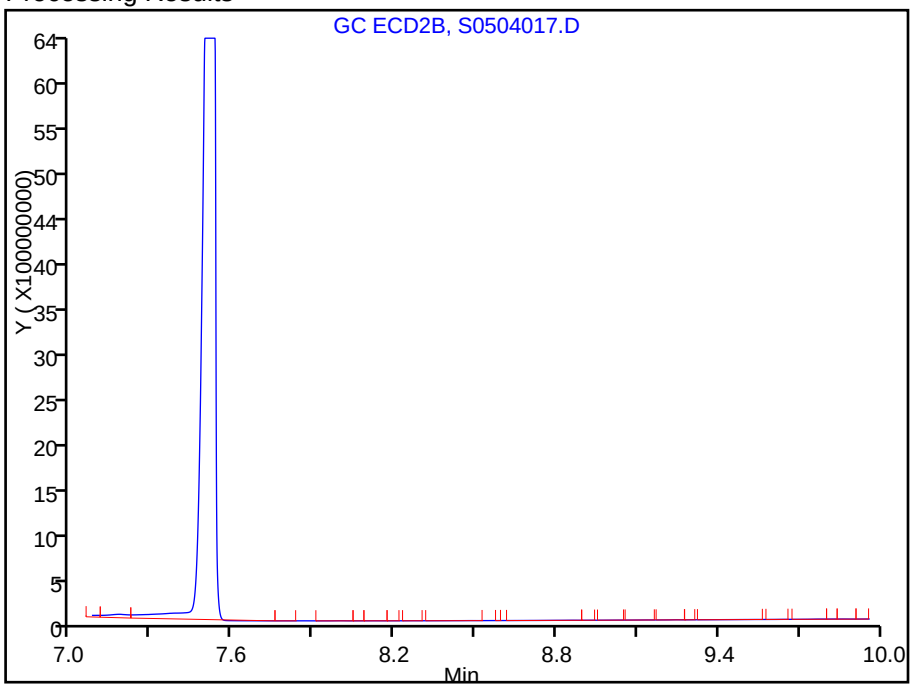
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
7.17	7.18	73790239	3.202225
7.53	7.53	6464809429	243.9342
8.48	8.48	542377	0.012969
8.91	8.94	121949	0.003814
9.85	9.86	1481990	0.039274
		Average =	24.728354



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Pittsburgh

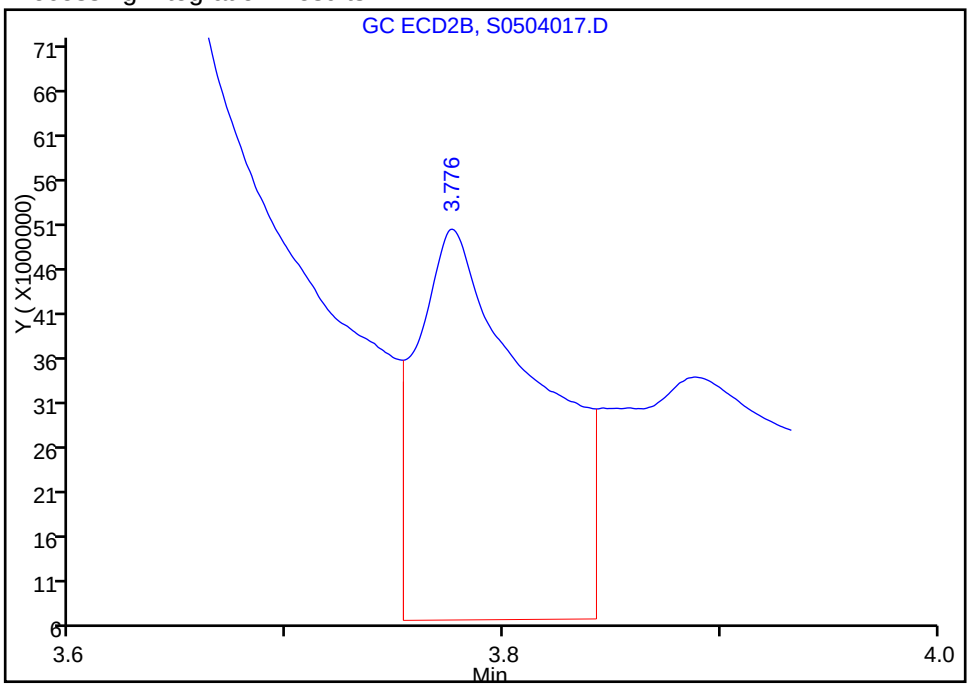
Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		
Column:		Detector	GC ECD2B		

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

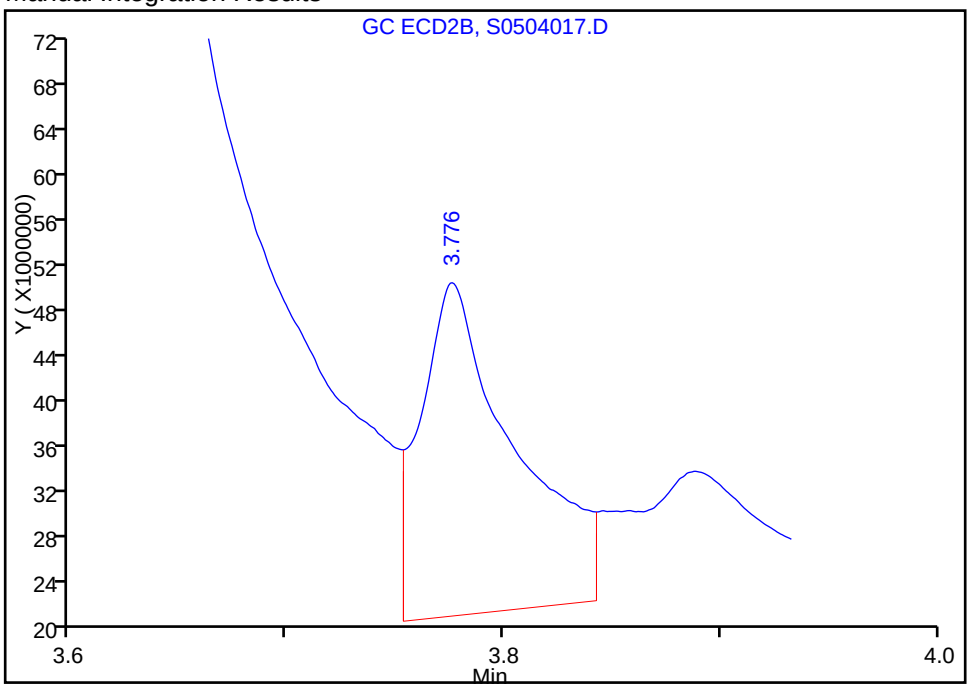
Processing Integration Results

RT: 3.78
Height: 43567644
Amount: 0.048787
Amount Units: ng



Manual Integration Results

RT: 3.78
Height: 29138139
Amount: 0.033456
Amount Units: ng



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

TestAmerica Pittsburgh

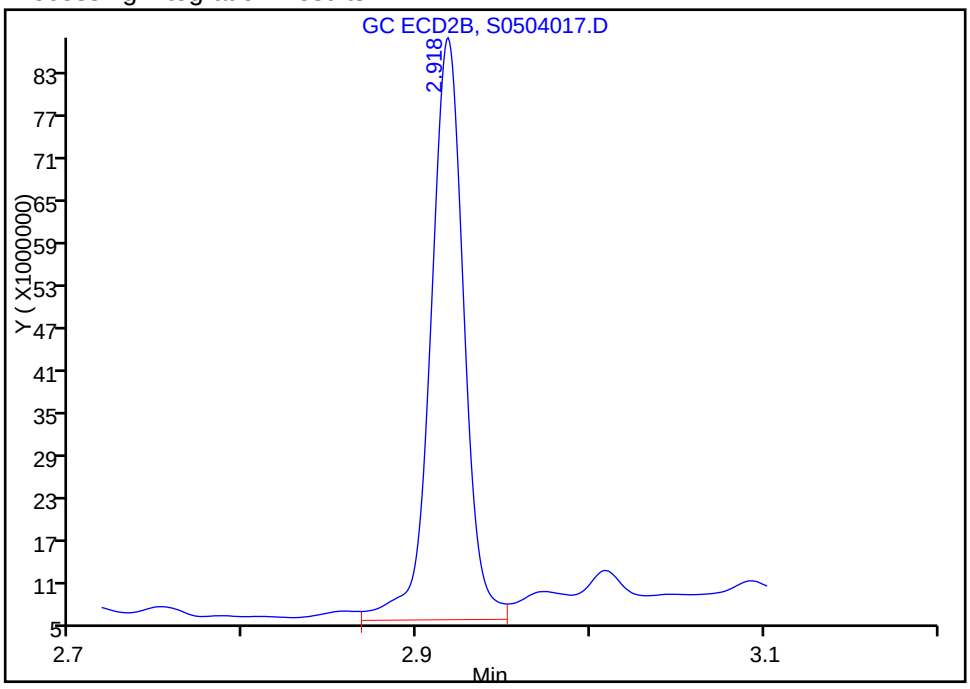
Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504017.D				
Injection Date:	04-May-2016 10:11:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-1-A	Lab Sample ID:	180-54318-1		
Client ID:	MW-28R5_042916				
Operator ID:	402331	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		
Column:		Detector	GC ECD2B		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

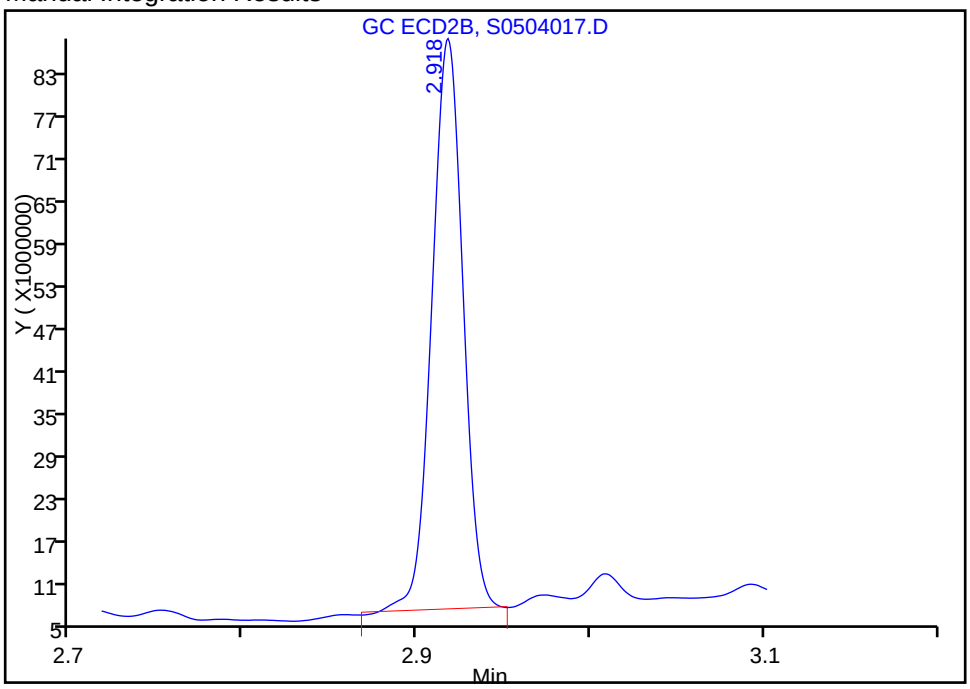
Processing Integration Results

RT: 2.92
Height: 81669326
Amount: 0.100000
Amount Units: ng



Manual Integration Results

RT: 2.92
Height: 79651099
Amount: 0.100000
Amount Units: ng



Reviewer: oravecj, 04-May-2016 10:40:44

Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-28R5A_042916 | Lab Sample ID: 180-54318-2

Matrix: Water | Lab File ID: S0504018.D

Analysis Method: 8082A | Date Collected: 04/29/2016 14:35

Extraction Method: 3510C | Date Extracted: 05/03/2016 13:30

Sample wt/vol: 970(mL) | Date Analyzed: 05/04/2016 10:29

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.0038	U	0.010	0.0038
11104-28-2	Arochlor 1221	0.0060	U	0.010	0.0060
11141-16-5	Arochlor 1232	0.0062	U	0.010	0.0062
53469-21-9	Arochlor 1242	0.0035	U	0.010	0.0035
12672-29-6	Arochlor 1248	0.0033	U	0.010	0.0033
11097-69-1	Arochlor 1254	0.0046	U	0.010	0.0046
11096-82-5	Arochlor 1260	0.011	p	0.010	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	85		43-138
877-09-8	Tetrachloro-m-xylene	76		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D
Lims ID: 180-54318-A-2-A
Client ID: MW-28R5A_042916
Sample Type: Client
Inject. Date: 04-May-2016 10:29:07 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-018
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 10:52:44 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

First Level Reviewer: oravecj Date: 04-May-2016 10:52:06

	Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
*	1	1-Bromo-2-nitrobenzene					M
	1	2.698	2.693	0.005	91995252H	0.1000	
	2	2.917	2.910	0.007	95814963H	0.1000	M
$	2	Tetrachloro-m-xylene					M
	1	3.312	3.307	0.005	16863906H	0.0153	
	2	3.774	3.768	0.006	20501746H	0.0196	M
						RPD = 24.70	
	3	PCB-1221					MU
	1		3.444			ND	
	1		3.579				
	1		3.618				
	2		4.063				
	2		4.225				
	2		4.299				
	4	PCB-1232					MU
	1		3.447			ND	
	1		3.622				
	1		4.468				
	1		4.622				
	1		6.053				
	2		4.066				
	2		4.302				
	2		4.807				
	2		5.455				
	2		5.657				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					MU
1		3.623			ND	
1		3.965				
1		4.471				
1		5.132				
1		5.764				
2		4.304				
2		4.809				
2		5.457				
2		5.661				
2		6.419				
6	PCB-1016					MU
1		3.623			ND	
1		4.447				
1		4.624				
1		4.700				
1		5.132				
2		4.810				
2		5.458				
2		5.662				
2		6.420				
2		6.635				
7	PCB-1248					MU
1		3.965			ND	
1		5.133				
1		5.723				
1		6.060				
1		6.698				
2		5.966				
2		6.421				
2		7.094				
2		7.183				
2		7.629				
8	PCB-1254					MU
1		5.654			ND	
1		6.046				
1		6.693				
1		7.182				
1		8.083				
2		7.166				
2		7.528				
2		8.475				
2		8.910				
2		9.853				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						M
1	7.020	7.013	0.007	377570H	0.009180	
1	0.000	7.527	-7.527	0H	0	
1	8.086	8.084	0.002	320216H	0.006484	
1	9.334	9.331	0.003	896170H	0.009554	
1	9.754	9.801	-0.047	905563H	0.0174	
		Average of Peak Amounts =			0.0107	
2	8.852	8.856	-0.004	381945H	0.009715	
2	9.243	9.238	0.005	1063601H	0.0209	
2	9.862	9.856	0.006	1386226H	0.0289	M
2	10.856	10.854	0.002	2107786H	0.0222	M
2	11.387	11.387	0.000	678552H	0.0132	M
		Average of Peak Amounts =			0.0190	
					RPD = 56.18	
10 PCB-1262						MU
1		7.523			ND	
1		8.309				
1		9.329				
1		9.798				
1		9.862				
2		9.233				
2		10.001				
2		10.852				
2		11.378				
2		11.962				
11 PCB-1268						MU
1		9.862			ND	
1		9.925				
1		10.229				
1		11.185				
2		11.375				
2		11.441				
2		11.795				
2		12.610				
* 46 PCB-205 (IS)						
1	10.852	10.853	-0.001	117535183H	0	
2	12.230	12.228	0.002	105400254H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.450	11.450	0.000	15678147H	0.0171	
2	12.947	12.943	0.004	12359900H	0.0152	
					RPD = 11.32	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

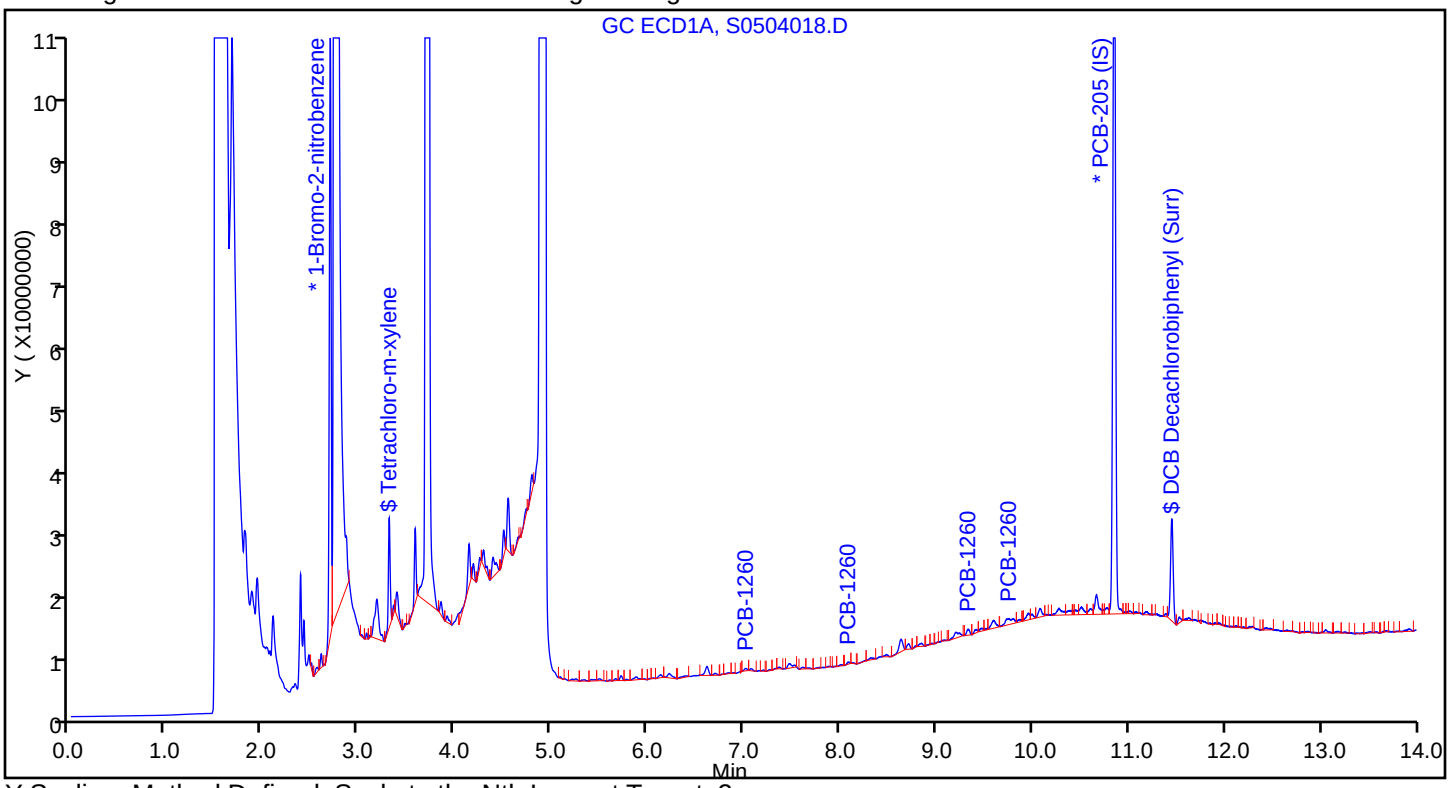
Report Date: 04-May-2016 10:54:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

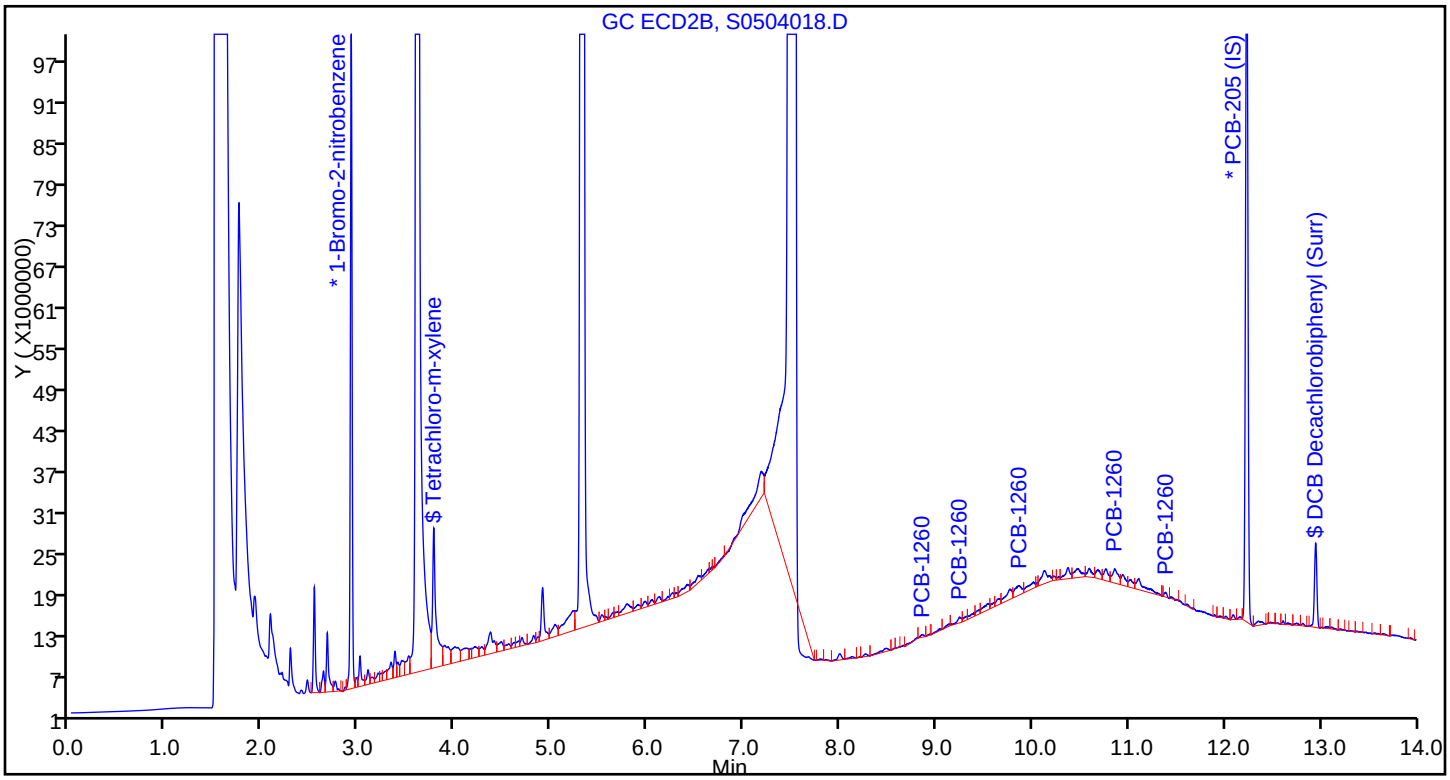
Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D

Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

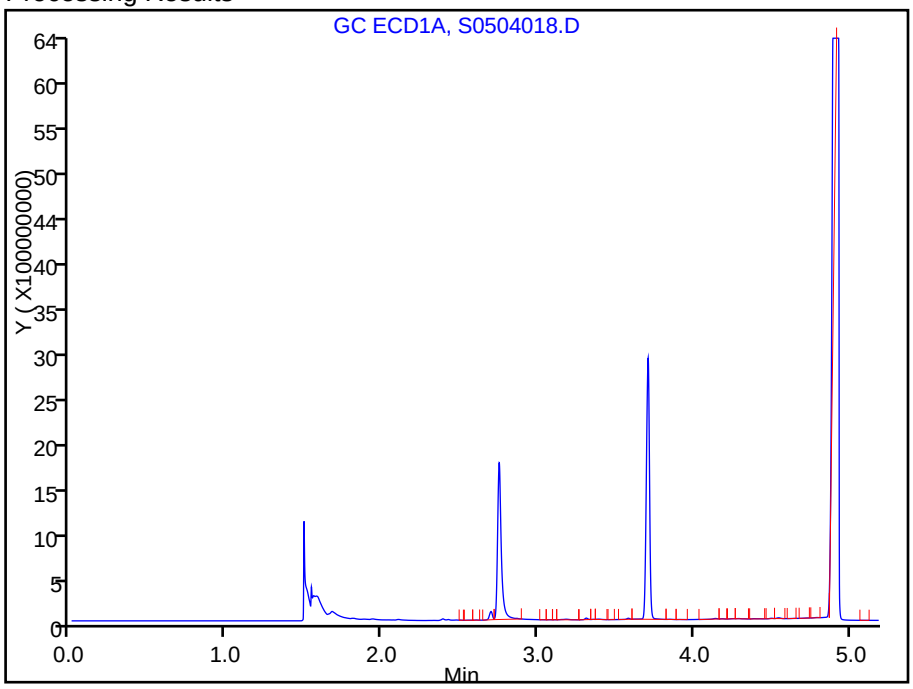
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D				
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.62	3.58	11412435	0.634875
4.45			
4.62	4.65	419502	0.015650
4.70	4.74	359319	0.018241
5.13	5.09	239636	0.010413
		Average =	0.314697



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

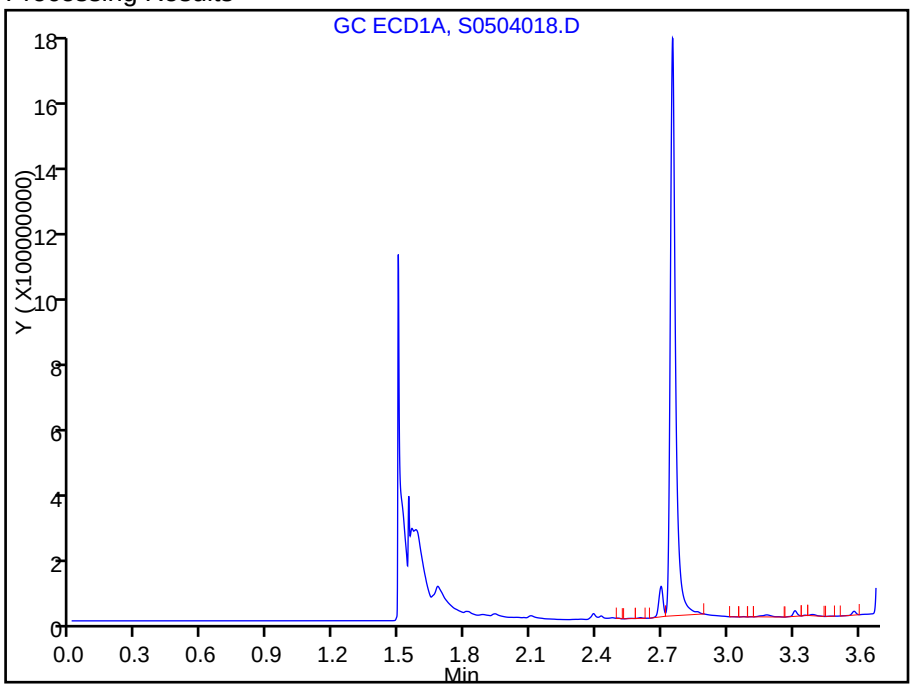
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D				
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.44	3.47	481856	0.047114
3.58	3.58	11412435	1.727120
3.62			
		Average =	0.649301



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

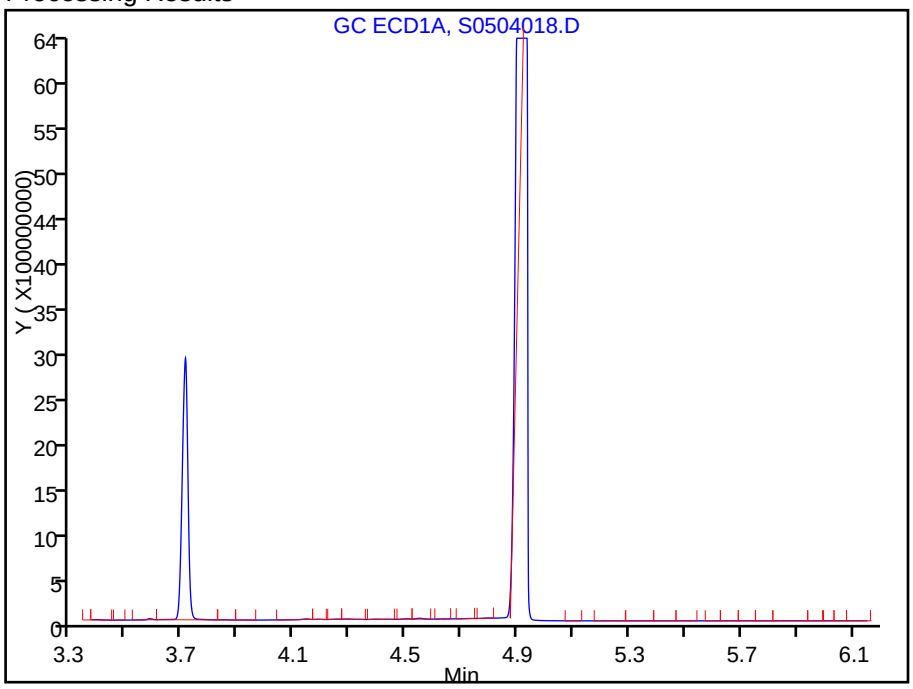
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D				
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.47	481856	0.059548
3.62	3.58	11412435	0.517649
4.47	4.50	3877884	0.169073
4.62	4.65	419502	0.030789
6.05	6.05	111830	0.009241
		Average =	0.308838



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

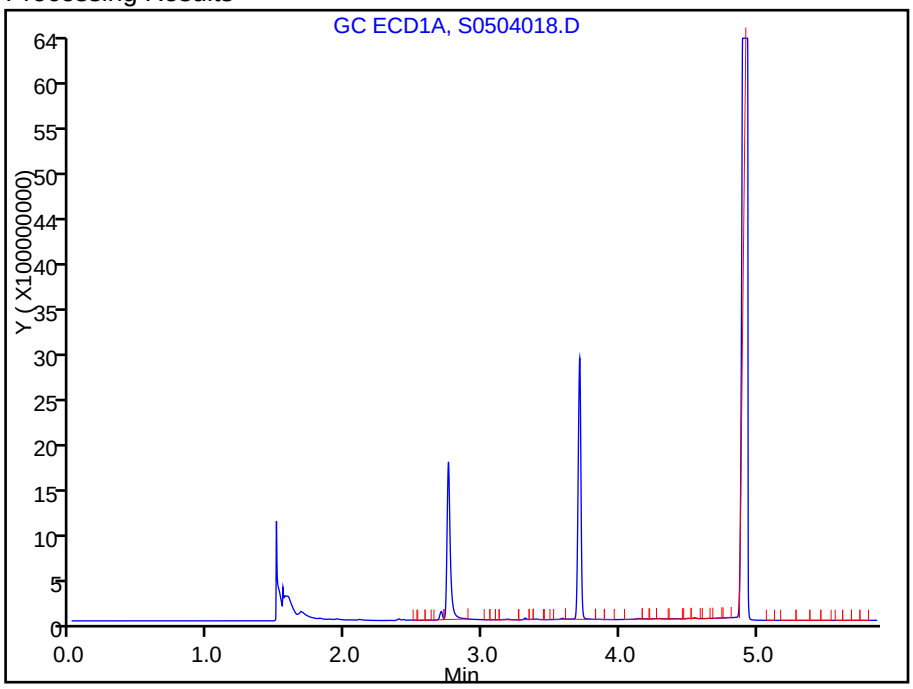
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D				
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.62	3.58	11412435	0.789726
3.96			
4.47	4.50	3877884	0.103751
5.13	5.09	239636	0.012600
5.76	5.78	191820	0.009639
		Average =	0.326580



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

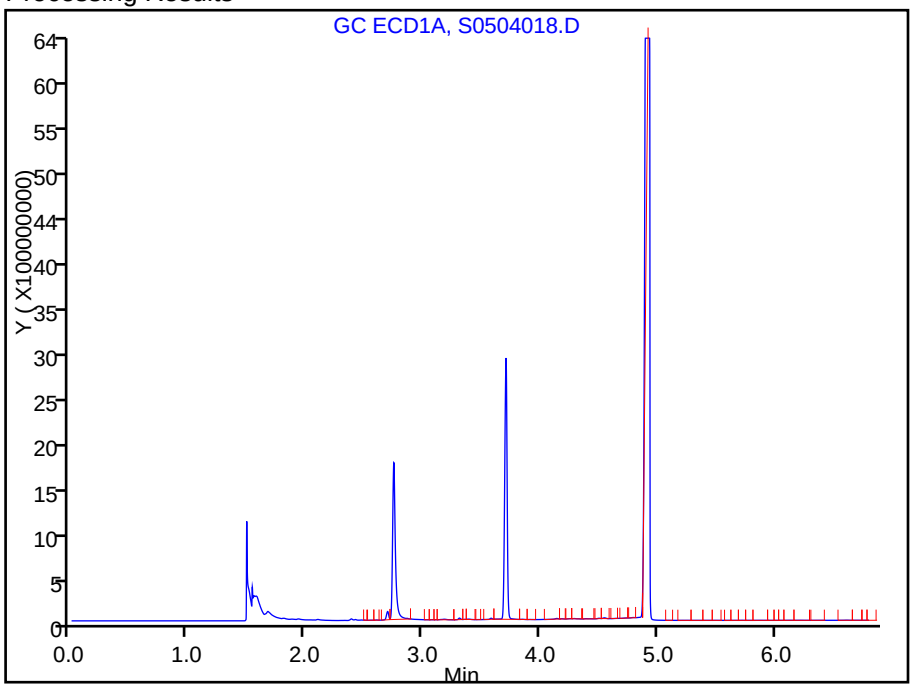
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D				
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.97			
5.13	5.09	239636	0.008117
5.72	5.72	735868	0.021352
6.06	6.05	111830	0.004842
6.70	6.71	298121	0.017457
		Average =	0.249748



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

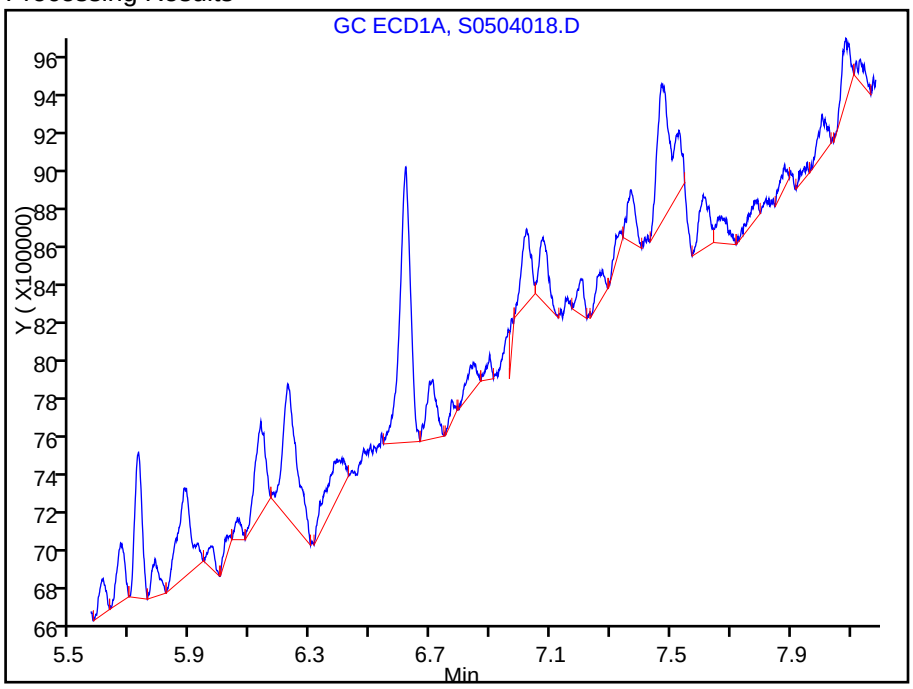
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D				
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
5.65	5.66	299662	0.010139
6.05	6.05	111830	0.002775
6.69	6.71	298121	0.005287
7.18	7.20	182058	0.004317
8.08	8.09	320216	0.007572
		Average =	20.244214



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-28R5A_042916 Lab Sample ID: 180-54318-2

Matrix: Water Lab File ID: S0504018.D

Analysis Method: 8082A Date Collected: 04/29/2016 14:35

Extraction Method: 3510C Date Extracted: 05/03/2016 13:30

Sample wt/vol: 970(mL) Date Analyzed: 05/04/2016 10:29

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	76		43-138
877-09-8	Tetrachloro-m-xylene	98		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D
Lims ID: 180-54318-A-2-A
Client ID: MW-28R5A_042916
Sample Type: Client
Inject. Date: 04-May-2016 10:29:07 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-018
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 10:52:44 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

First Level Reviewer: oravecj Date: 04-May-2016 10:52:06

	Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
*	1 1-Bromo-2-nitrobenzene						M
	1	2.698	2.693	0.005	91995252H	0.1000	
	2	2.917	2.910	0.007	95814963H	0.1000	M
$	2 Tetrachloro-m-xylene						M
	1	3.312	3.307	0.005	16863906H	0.0153	
	2	3.774	3.768	0.006	20501746H	0.0196	M
						RPD = 24.70	
	3 PCB-1221						MU
	1		3.444			ND	
	1		3.579				
	1		3.618				
	2		4.063				
	2		4.225				
	2		4.299				
	4 PCB-1232						MU
	1		3.447			ND	
	1		3.622				
	1		4.468				
	1		4.622				
	1		6.053				
	2		4.066				
	2		4.302				
	2		4.807				
	2		5.455				
	2		5.657				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					MU
1		3.623			ND	
1		3.965				
1		4.471				
1		5.132				
1		5.764				
2		4.304				
2		4.809				
2		5.457				
2		5.661				
2		6.419				
6	PCB-1016					MU
1		3.623			ND	
1		4.447				
1		4.624				
1		4.700				
1		5.132				
2		4.810				
2		5.458				
2		5.662				
2		6.420				
2		6.635				
7	PCB-1248					MU
1		3.965			ND	
1		5.133				
1		5.723				
1		6.060				
1		6.698				
2		5.966				
2		6.421				
2		7.094				
2		7.183				
2		7.629				
8	PCB-1254					MU
1		5.654			ND	
1		6.046				
1		6.693				
1		7.182				
1		8.083				
2		7.166				
2		7.528				
2		8.475				
2		8.910				
2		9.853				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						M
1	7.020	7.013	0.007	377570H	0.009180	
1	0.000	7.527	-7.527	0H	0	
1	8.086	8.084	0.002	320216H	0.006484	
1	9.334	9.331	0.003	896170H	0.009554	
1	9.754	9.801	-0.047	905563H	0.0174	
		Average of Peak Amounts =			0.0107	
2	8.852	8.856	-0.004	381945H	0.009715	
2	9.243	9.238	0.005	1063601H	0.0209	
2	9.862	9.856	0.006	1386226H	0.0289	M
2	10.856	10.854	0.002	2107786H	0.0222	M
2	11.387	11.387	0.000	678552H	0.0132	M
		Average of Peak Amounts =			0.0190	
					RPD = 56.18	
10 PCB-1262						MU
1		7.523			ND	
1		8.309				
1		9.329				
1		9.798				
1		9.862				
2		9.233				
2		10.001				
2		10.852				
2		11.378				
2		11.962				
11 PCB-1268						MU
1		9.862			ND	
1		9.925				
1		10.229				
1		11.185				
2		11.375				
2		11.441				
2		11.795				
2		12.610				
* 46 PCB-205 (IS)						
1	10.852	10.853	-0.001	117535183H	0	
2	12.230	12.228	0.002	105400254H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.450	11.450	0.000	15678147H	0.0171	
2	12.947	12.943	0.004	12359900H	0.0152	
					RPD = 11.32	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

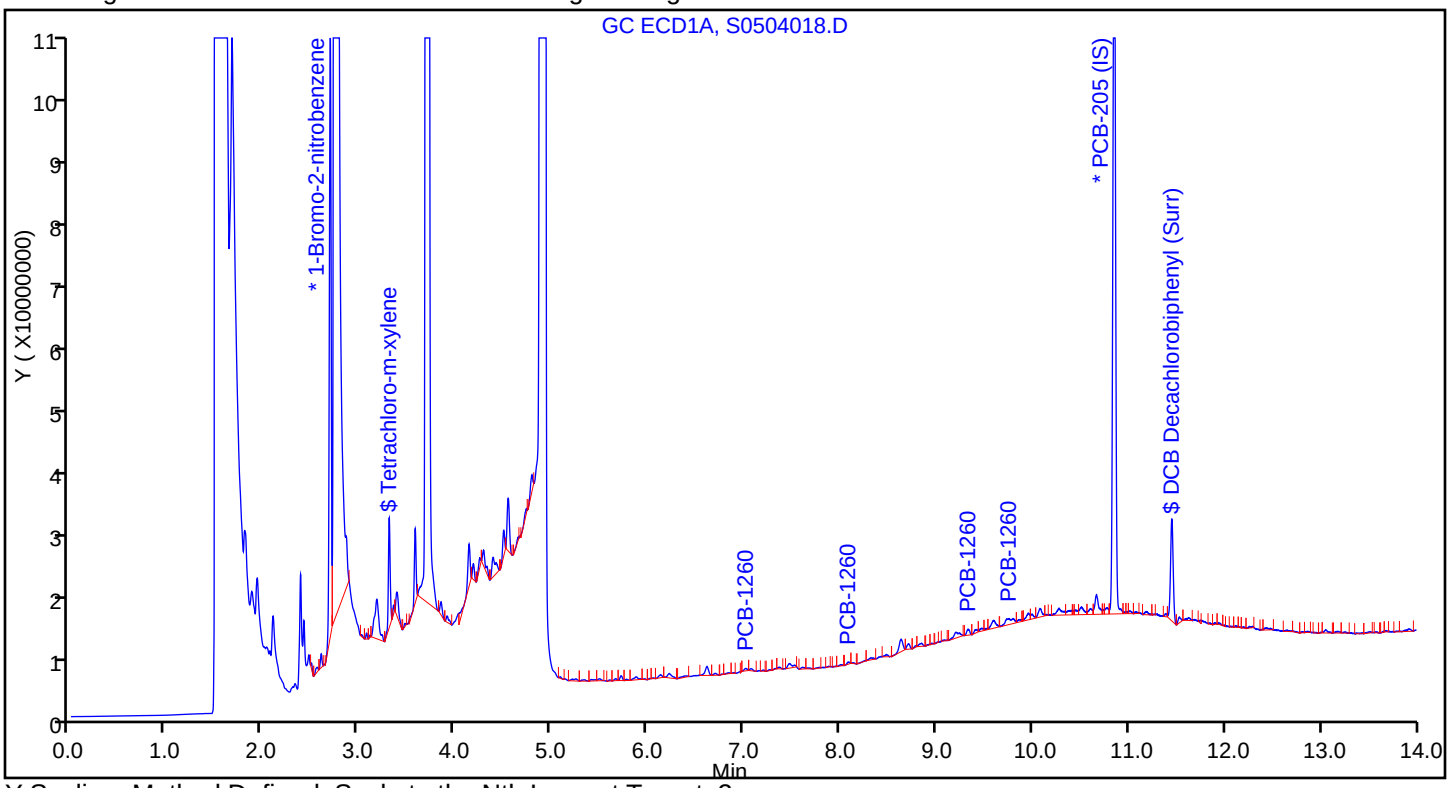
Report Date: 04-May-2016 10:54:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

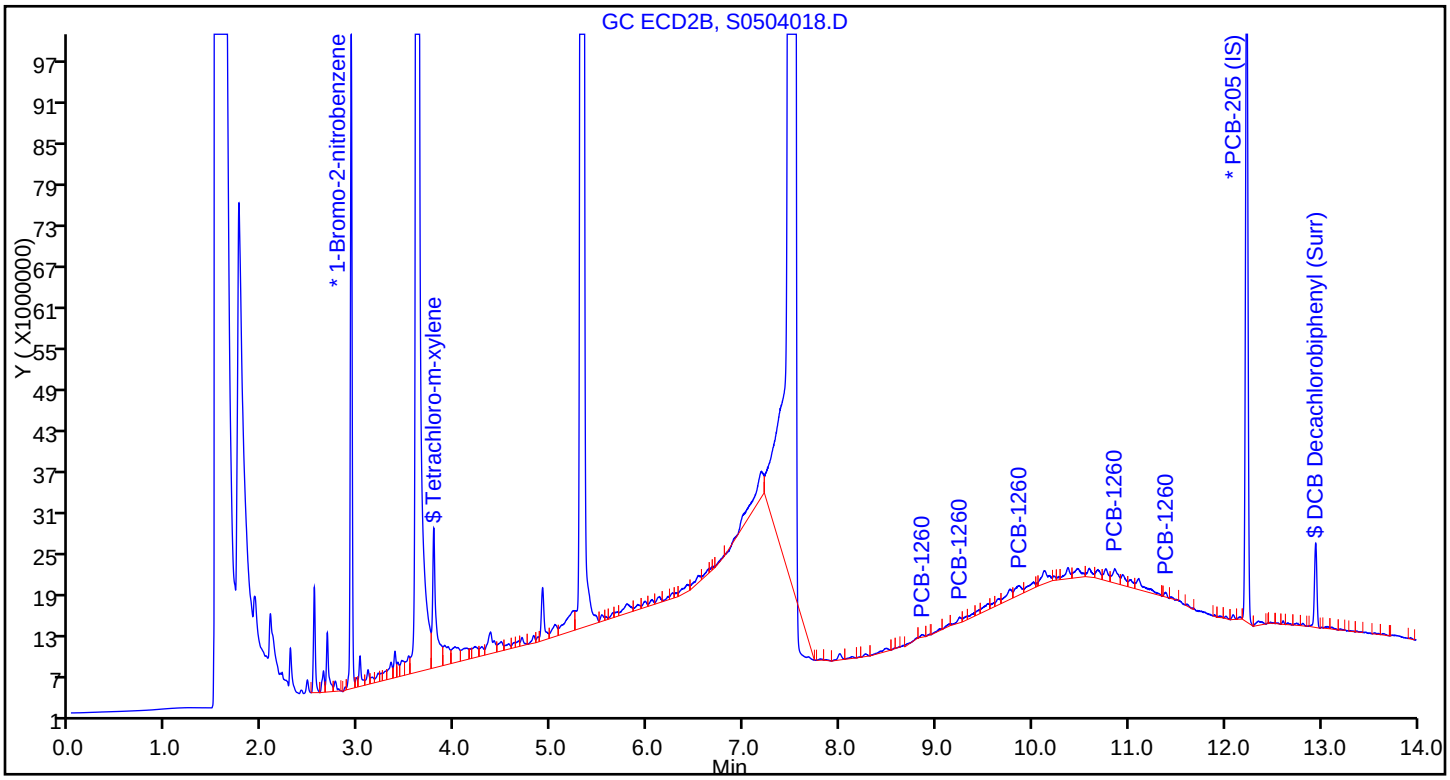
Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D

Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

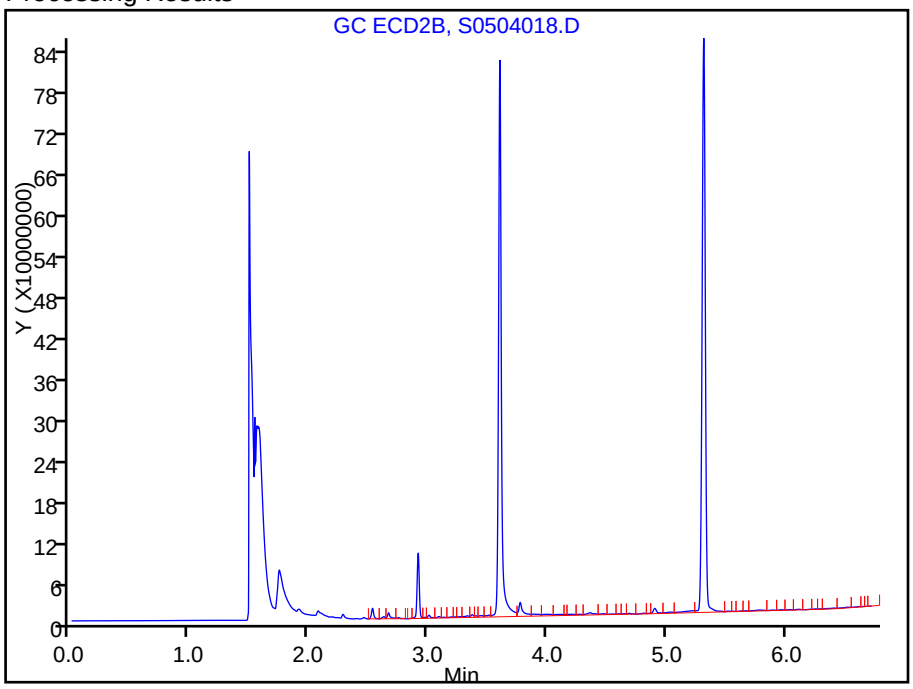
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D				
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.81	4.81	5172640	0.242782
5.46			
5.66	5.64	7255664	0.329936
6.42	6.41	10194553	0.523708
6.63	6.63	12124219	0.741971
		Average =	0.314697



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

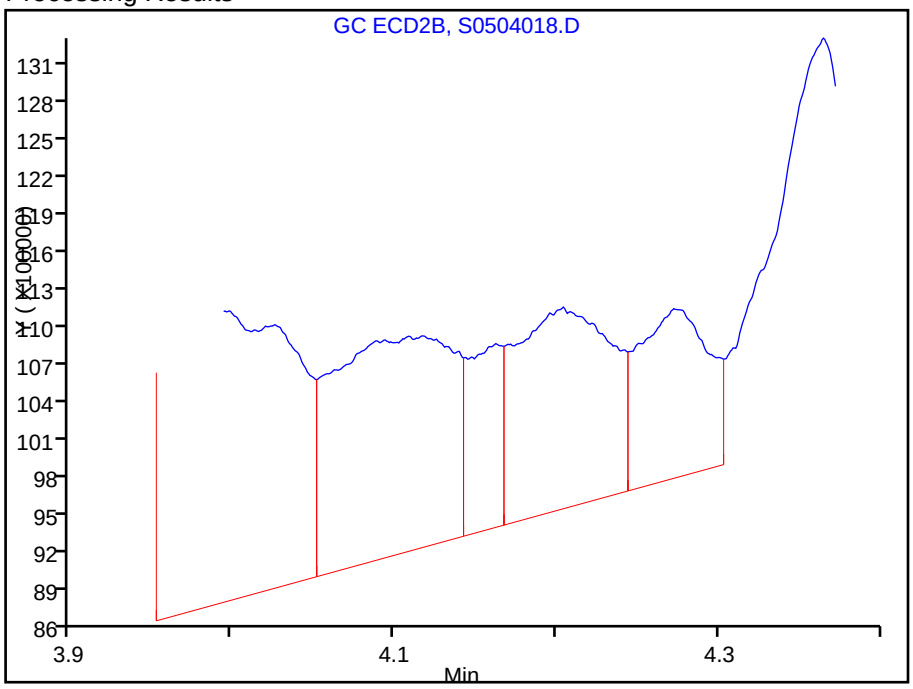
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D				
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.06	4.09	4392216	0.486944
4.23	4.20	4485784	0.750817
4.30	4.27	4368118	0.234510
		Average =	0.649301



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

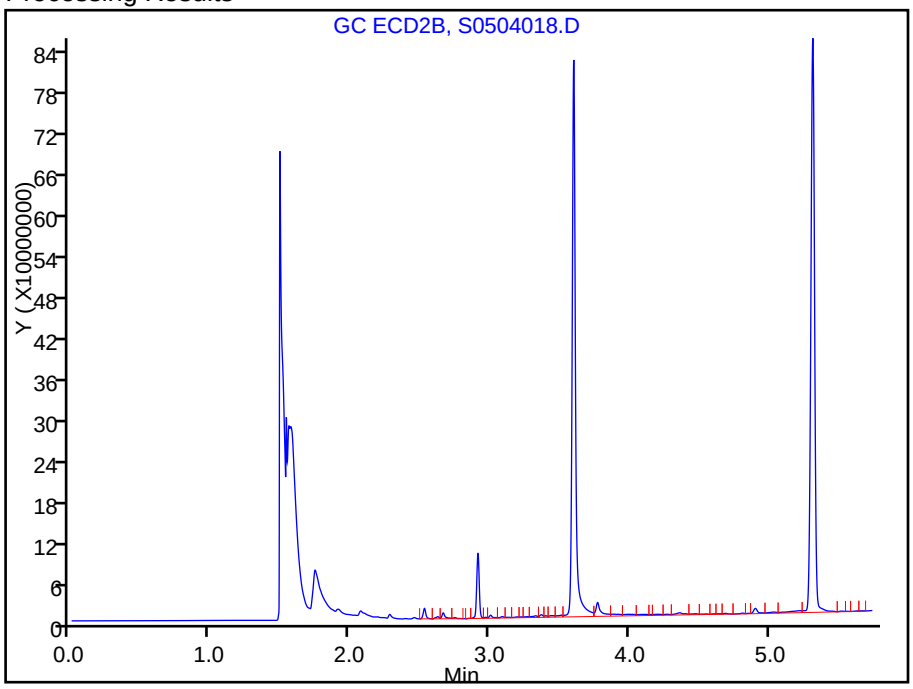
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D				
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.09	4392216	0.617287
4.30	4.27	4368118	0.240066
4.81	4.81	5172640	0.477356
5.45			
5.66	5.64	7255664	0.658534
		Average =	0.308838



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

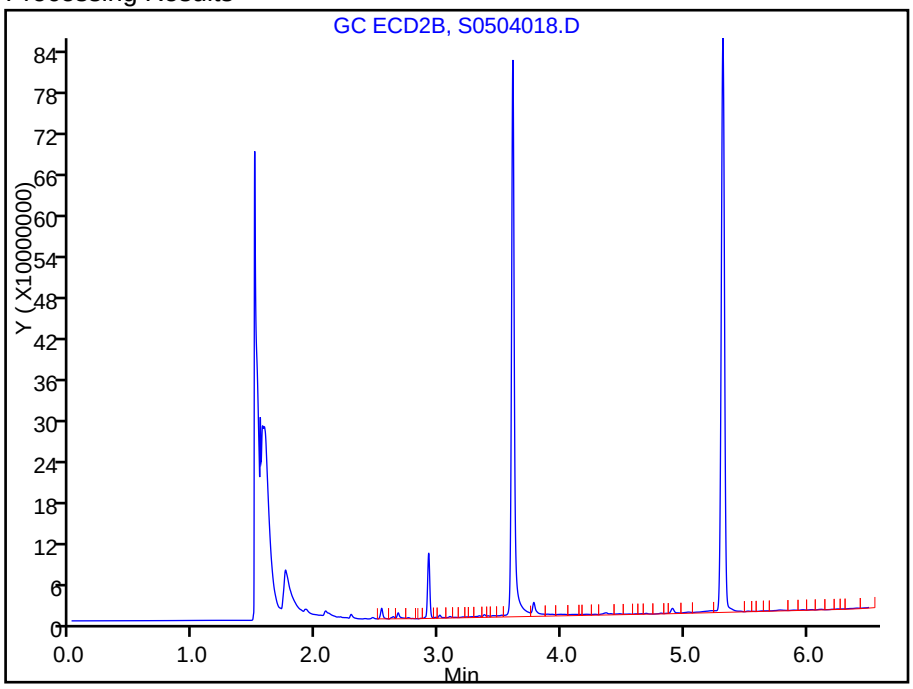
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D				
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.30	4.27	4368118	0.355107
4.81	4.81	5172640	0.303329
5.46			
5.66	5.64	7255664	0.408626
6.42	6.41	10194553	0.629860
		Average =	0.326580



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

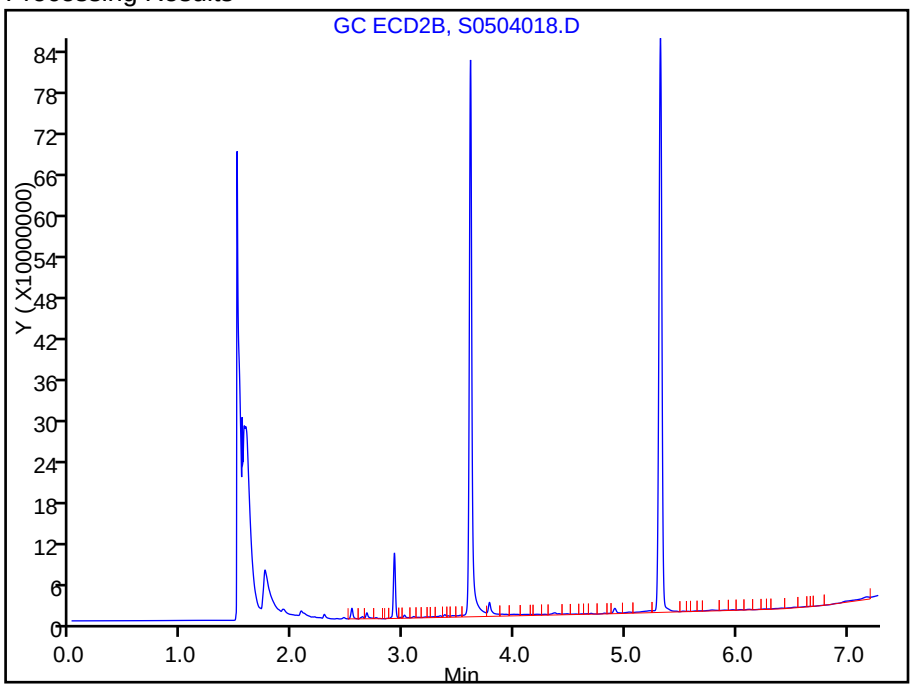
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D				
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
5.97	5.97	8421685	0.419288
6.42	6.41	10194553	0.405060
7.09			
7.18	7.18	25564631	0.872121
7.63			
		Average =	0.249748



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

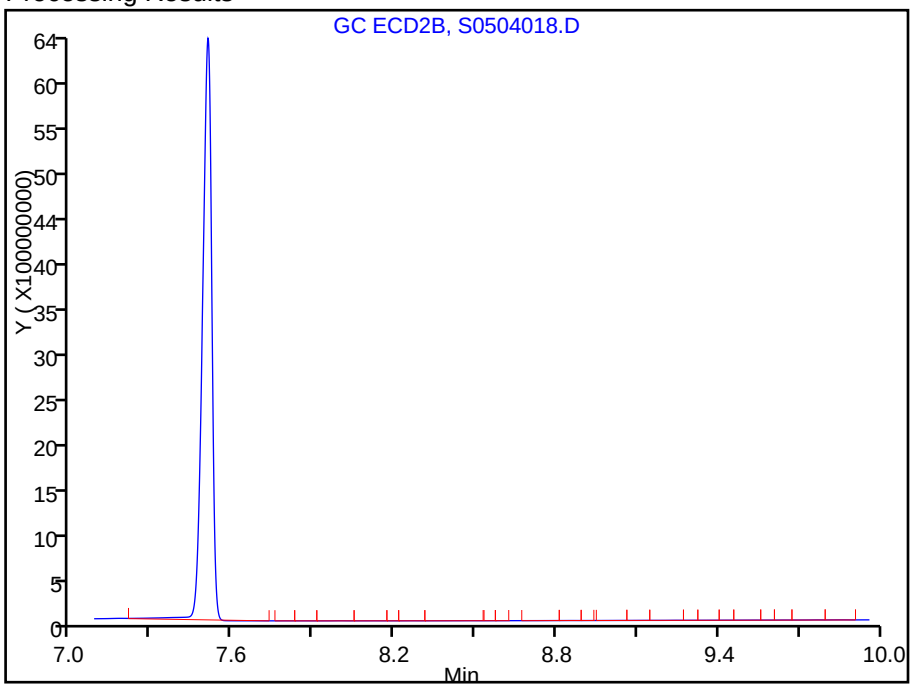
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D				
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
7.17	7.18	25564631	0.922255
7.53	7.51	6419846182	201.3724
8.48	8.48	434544	0.008637
8.91	8.93	142092	0.003694
9.85	9.86	4768115	0.105041
		Average =	20.244214



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

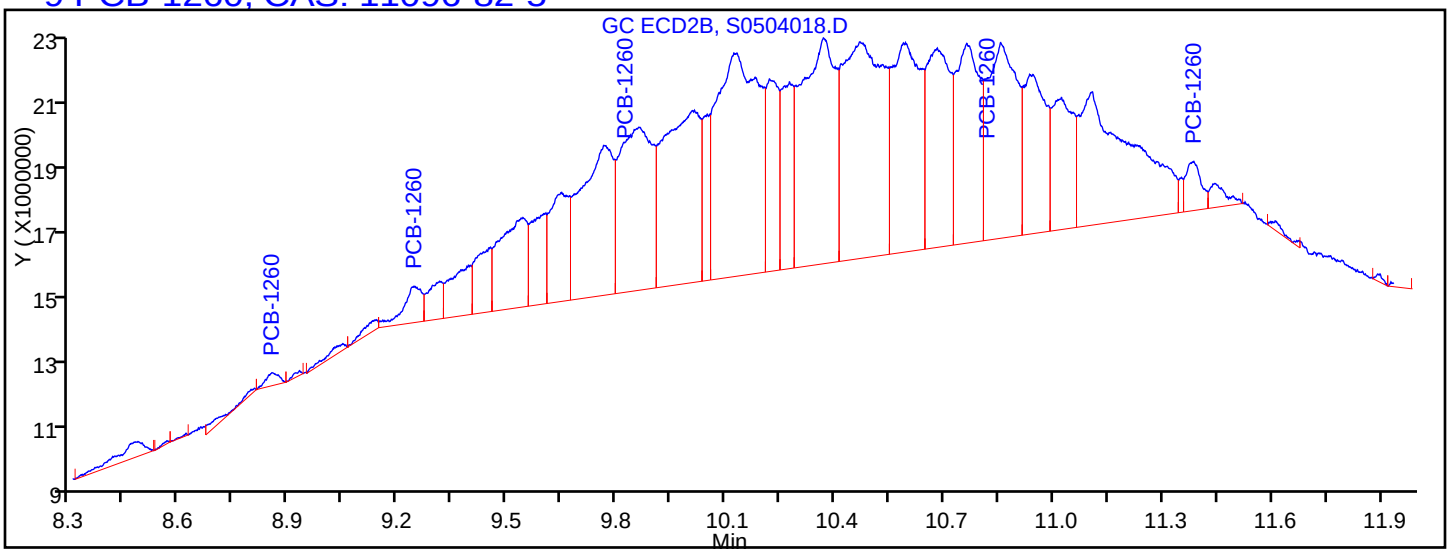
Report Date: 04-May-2016 10:54:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D

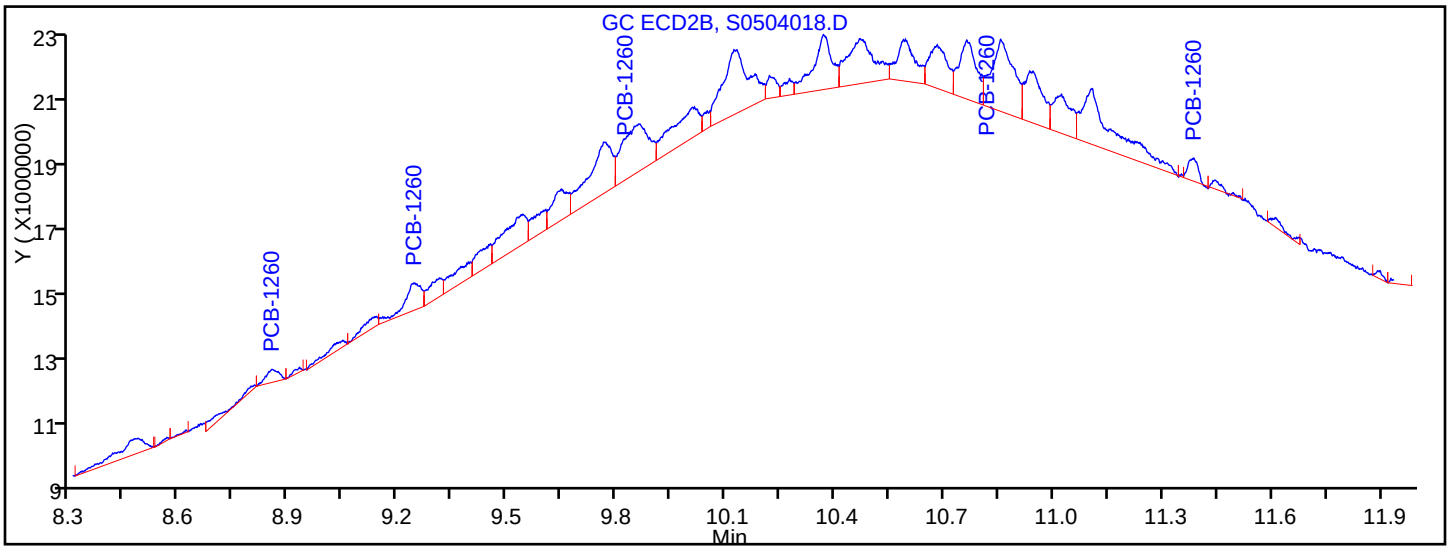
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		
Column:		Detector	GC ECD2B		

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 8.852	Response = 381945	
RT = 9.243	Response = 1063601	
RT = 9.862	Response = 4768115	M
RT = 10.856	Response = 5721817	M
RT = 11.387	Response = 1436951	M



Manual Integration Results

RT = 8.852	Response = 381945	
RT = 9.243	Response = 1063601	
RT = 9.862	Response = 1386226	M
RT = 10.856	Response = 2107786	M
RT = 11.387	Response = 678552	M

Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

TestAmerica Pittsburgh

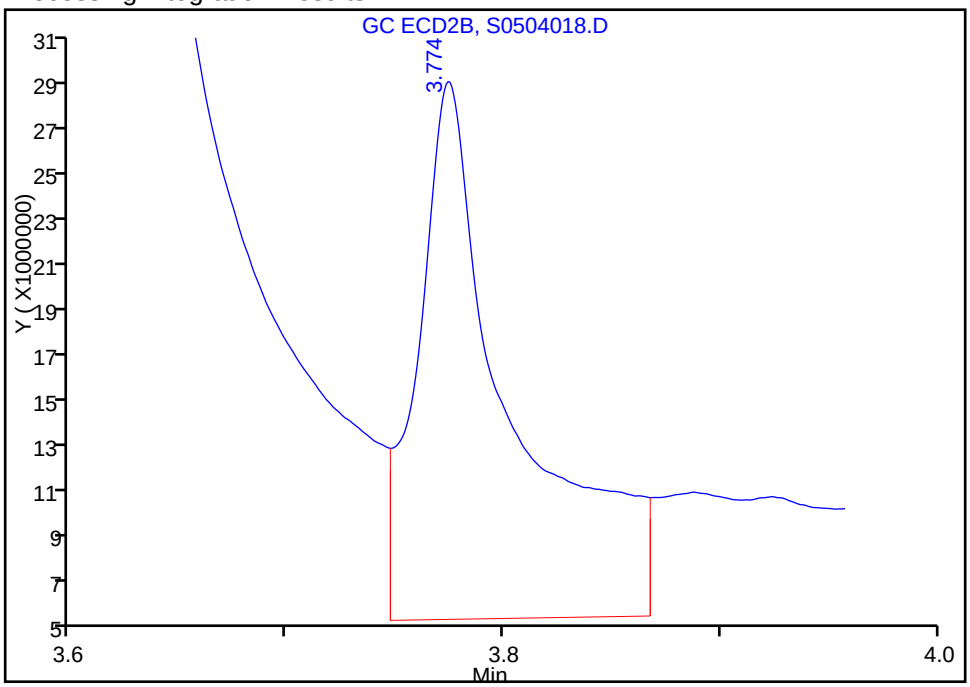
Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D		
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2
Client ID:	MW-28R5A_042916		
Operator ID:	402331	ALS Bottle#:	18 Worklist Smp#: 18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS
Column:		Detector	GC ECD2B

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

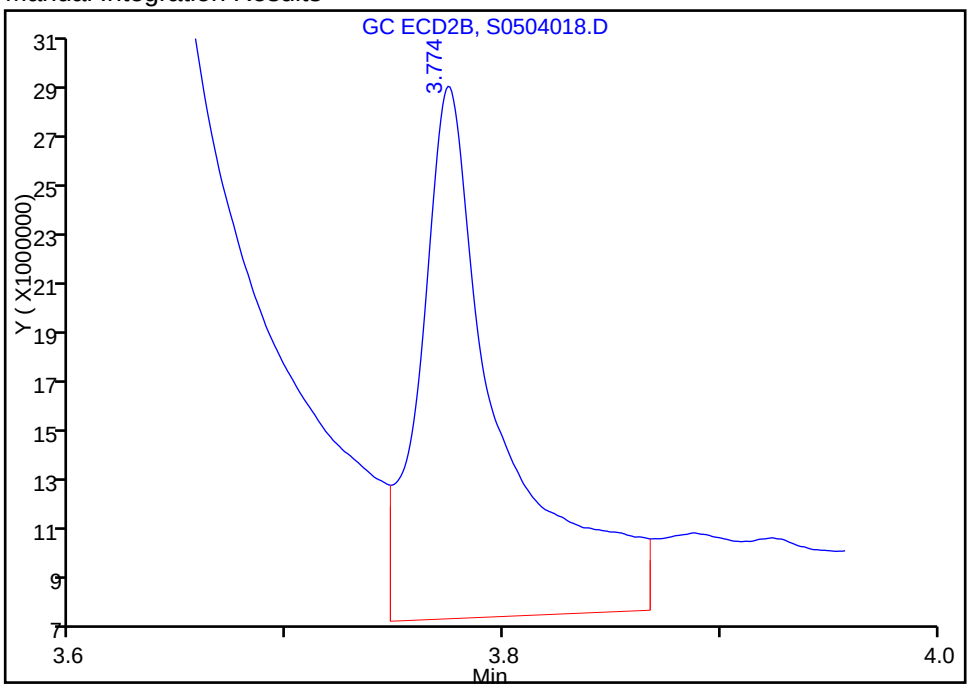
Processing Integration Results

RT: 3.77
Height: 22523802
Amount: 0.021431
Amount Units: ng



Manual Integration Results

RT: 3.77
Height: 20501746
Amount: 0.019568
Amount Units: ng



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

TestAmerica Pittsburgh

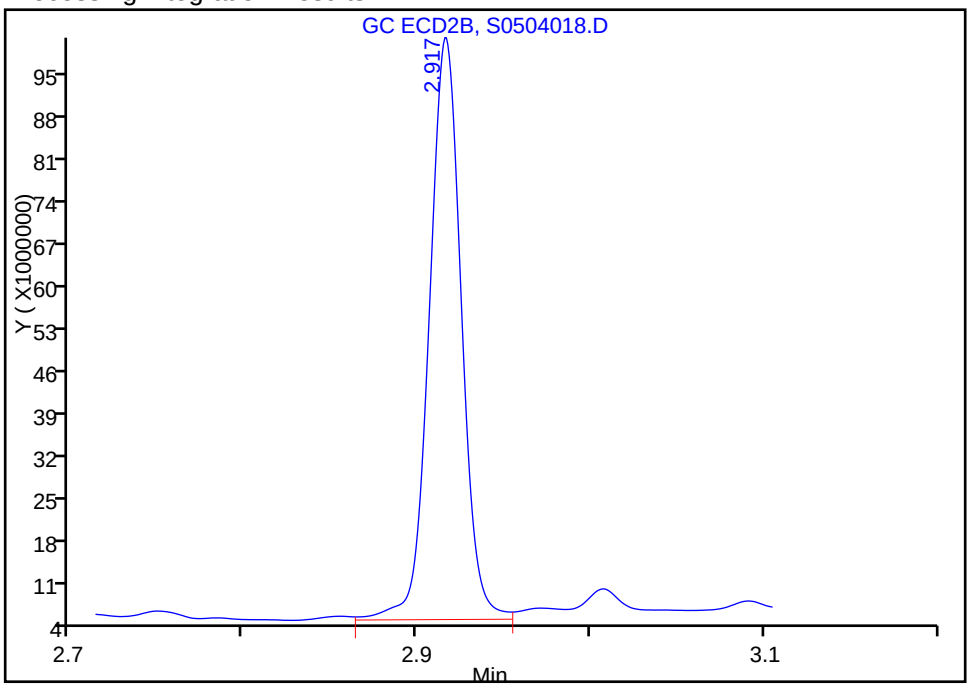
Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504018.D				
Injection Date:	04-May-2016 10:29:07	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-2-A	Lab Sample ID:	180-54318-2		
Client ID:	MW-28R5A_042916				
Operator ID:	402331	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		
Column:		Detector	GC ECD2B		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

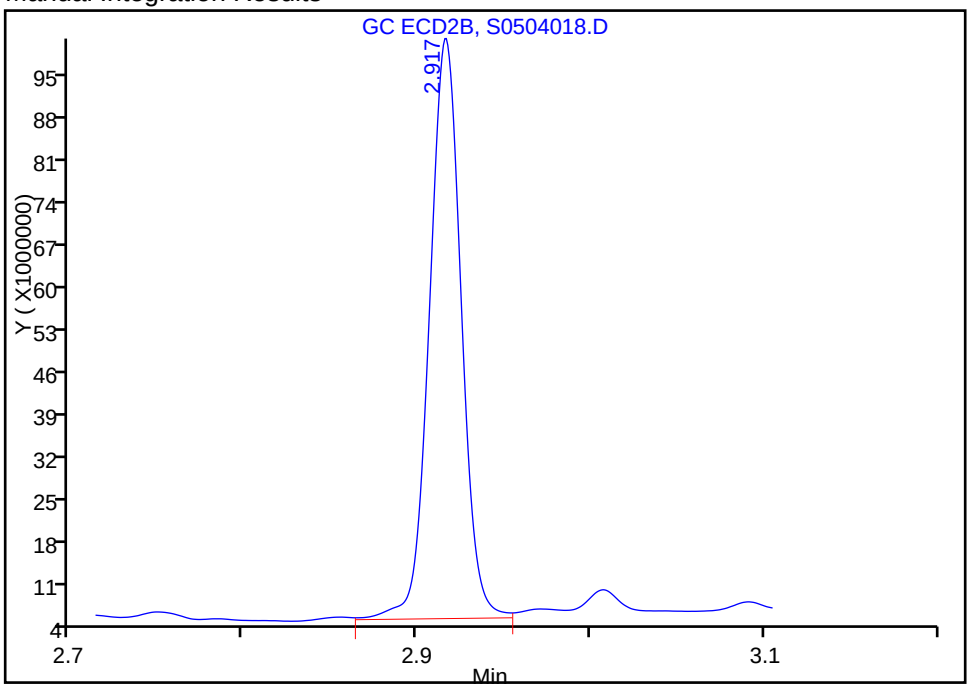
Processing Integration Results

RT: 2.92
Height: 96116849
Amount: 0.100000
Amount Units: ng



Manual Integration Results

RT: 2.92
Height: 95814963
Amount: 0.100000
Amount Units: ng



Reviewer: oravecj, 04-May-2016 10:52:06

Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-30R4_042916 | Lab Sample ID: 180-54318-3

Matrix: Water | Lab File ID: S0504025.D

Analysis Method: 8082A | Date Collected: 04/29/2016 13:30

Extraction Method: 3510C | Date Extracted: 05/03/2016 13:30

Sample wt/vol: 960(mL) | Date Analyzed: 05/04/2016 12:35

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.0038	U	0.010	0.0038
11104-28-2	Arochlor 1221	0.0061	U	0.010	0.0061
11141-16-5	Arochlor 1232	0.0063	U	0.010	0.0063
53469-21-9	Arochlor 1242	0.0035	U	0.010	0.0035
12672-29-6	Arochlor 1248	0.0033	U	0.010	0.0033
11097-69-1	Arochlor 1254	0.0046	U	0.010	0.0046

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	109		43-138
877-09-8	Tetrachloro-m-xylene	120		34-137

TestAmerica Pittsburgh

Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D
Lims ID: 180-54318-A-3-A
Client ID: MW-30R4_042916
Sample Type: Client
Inject. Date: 04-May-2016 12:35:34 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-025
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 05-May-2016 07:03:48 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK034

First Level Reviewer: eppinged Date: 05-May-2016 07:01:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.697	2.693	0.003	82127150H	0.1000	
2	2.913	2.910	0.003	80577805H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.314	3.307	0.007	23656598H	0.0240	
2	3.772	3.768	0.004	17261720H	0.0196	
				RPD = 20.18		
3 PCB-1221						U
1		3.444		ND		
1		3.579				
1		3.618				
2		4.063				
2		4.225				
2		4.299				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
4 PCB-1232						U
1		3.447			ND	
1		3.622				
1		4.468				
1		4.622				
1		6.053				
2		4.066				
2		4.302				
2		4.807				
2		5.455				
2		5.657				
5 PCB-1242						U
1		3.623			ND	
1		3.965				
1		4.471				
1		5.132				
1		5.764				
2		4.304				
2		4.809				
2		5.457				
2		5.661				
2		6.419				
6 PCB-1016						U
1		3.623			ND	
1		4.447				
1		4.624				
1		4.700				
1		5.132				
2		4.810				
2		5.458				
2		5.662				
2		6.420				
2		6.635				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
7 PCB-1248						U
1		3.965			ND	
1		5.133				
1		5.723				
1		6.060				
1		6.698				
2		5.966				
2		6.421				
2		7.094				
2		7.183				
2		7.629				
8 PCB-1254						U
1		5.654			ND	
1		6.046				
1		6.693				
1		7.182				
1		8.083				
2		7.166				
2		7.528				
2		8.475				
2		8.910				
2		9.853				
9 PCB-1260						
1	7.018	7.013	0.005	1260927H	0.0343	
1	7.531	7.527	0.004	1570884H	0.0294	
1	8.090	8.084	0.006	584204H	0.0133	
1	9.338	9.331	0.007	950824H	0.0114	
1	9.811	9.801	0.010	713340H	0.0154	
		Average of Peak Amounts =			0.0207	
2	8.861	8.856	0.005	999757H	0.0302	
2	9.245	9.238	0.007	1471097H	0.0344	
2	9.827	9.856	-0.029	405776H	0.0100	
2	10.862	10.854	0.008	899556H	0.0113	
2	11.387	11.387	0.000	819612H	0.0189	
		Average of Peak Amounts =			0.0210	
					RPD = 1.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
10 PCB-1262						U
1		7.523			ND	
1		8.309				
1		9.329				
1		9.798				
1		9.862				
2		9.233				
2		10.001				
2		10.852				
2		11.378				
2		11.962				
11 PCB-1268						U
1		9.862			ND	
1		9.925				
1		10.229				
1		11.185				
2		11.375				
2		11.441				
2		11.795				
2		12.610				
* 46 PCB-205 (IS)						
1	10.854	10.853	0.001	102683640H	0	
2	12.230	12.228	0.002	88230604H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.454	11.450	0.004	17854394H	0.0218	
2	12.947	12.943	0.004	13574681H	0.0199	
					RPD = 8.98	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

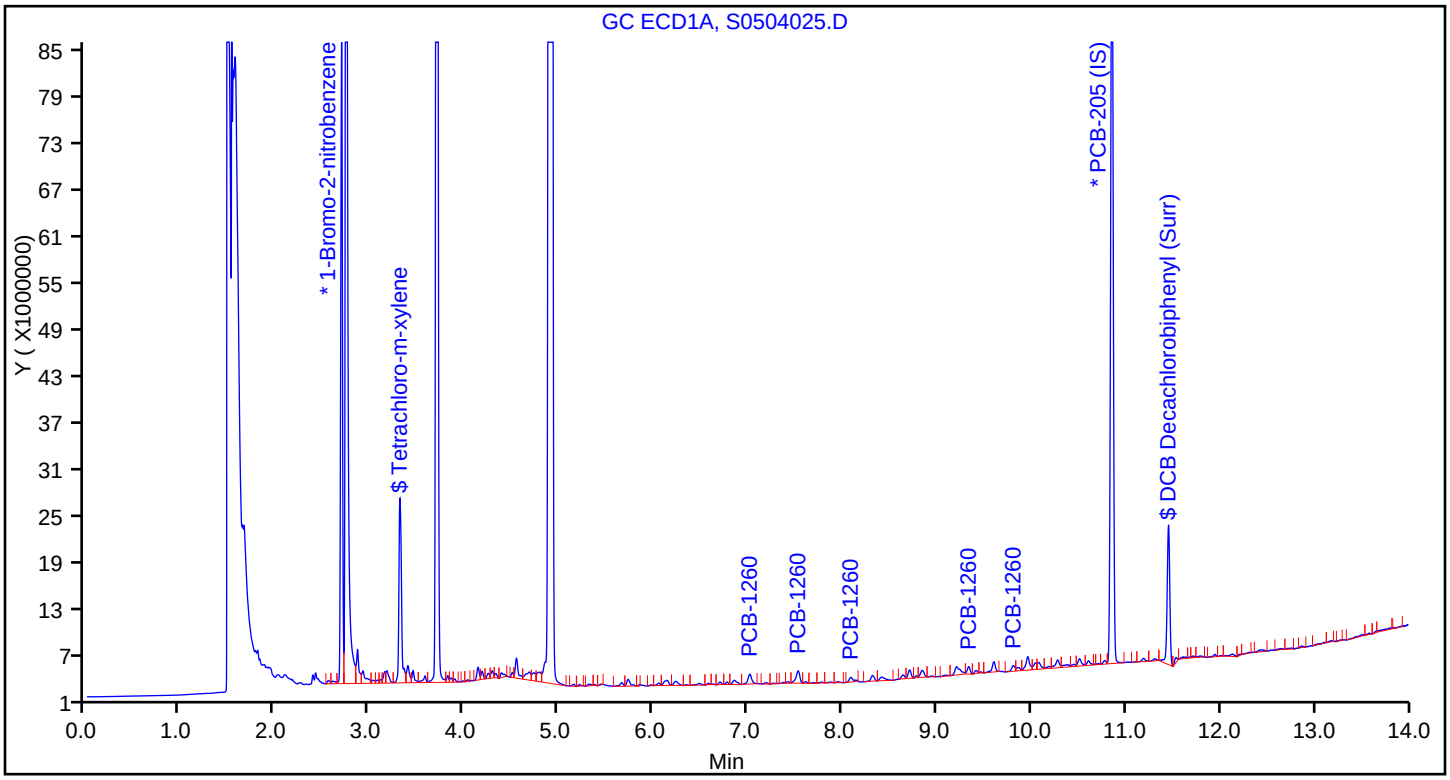
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 05-May-2016 07:03:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

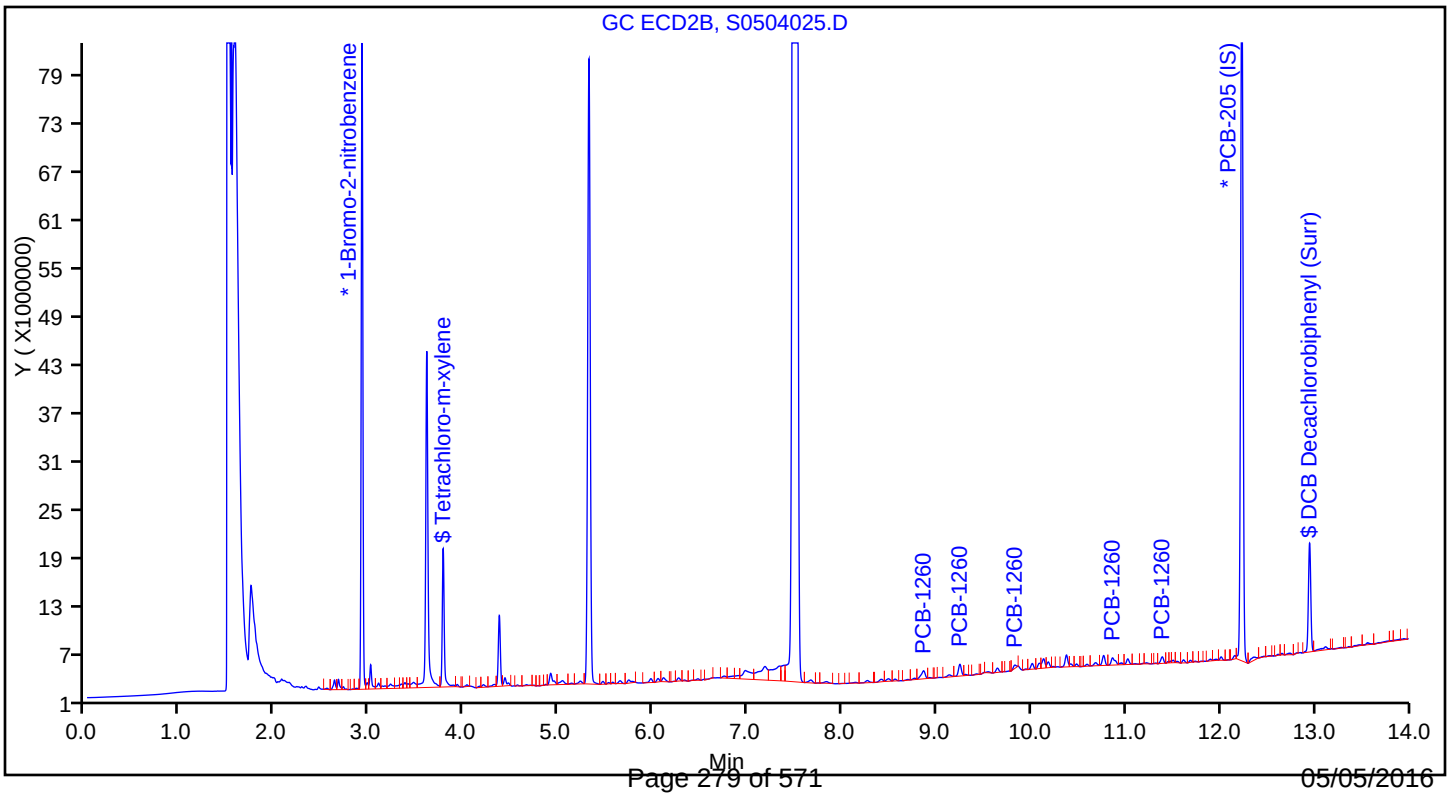
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

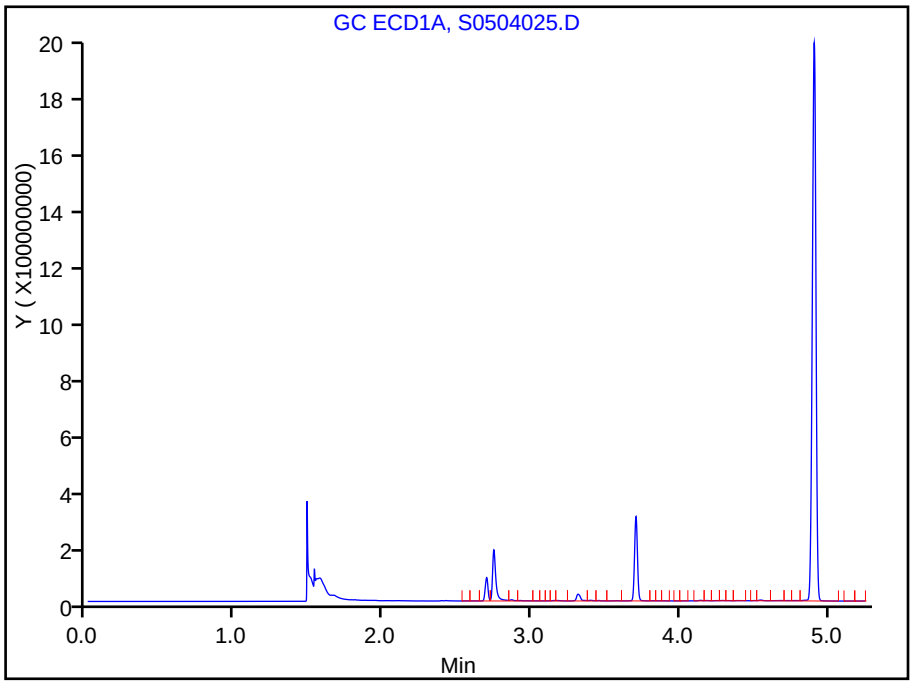
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.62	3.58	849627	0.052944
4.45			
4.62			
4.70	4.68	1043374	0.059331
5.13	5.15	256371	0.012479
		Average =	0.020010



Reviewer: eppinged, 05-May-2016 07:01:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

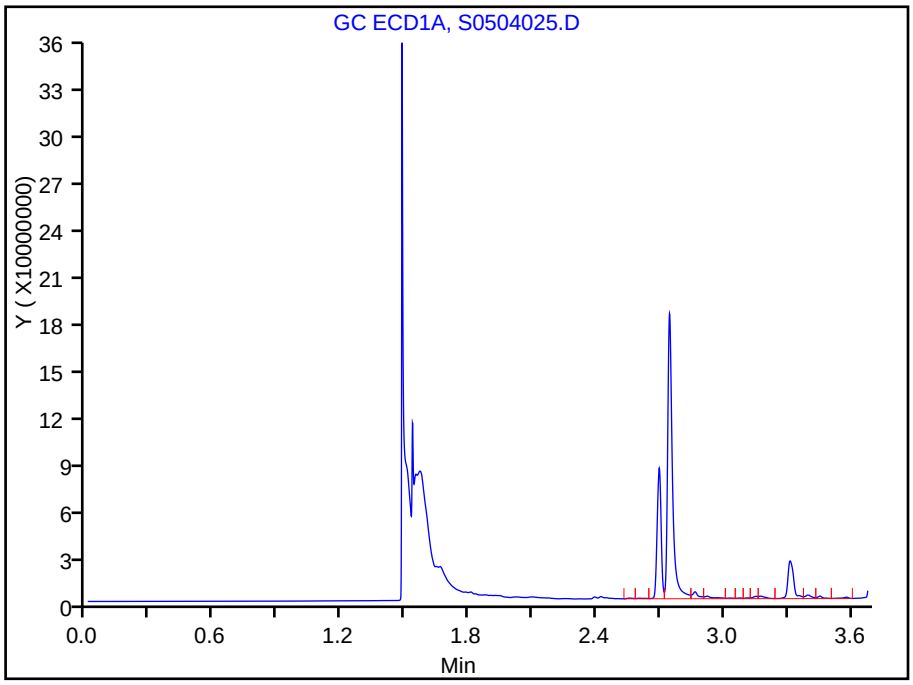
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.44	3.45	1571603	0.172129
3.58	3.58	849627	0.144029
3.62			
		Average =	0.084831



Reviewer: eppinged, 05-May-2016 07:01:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

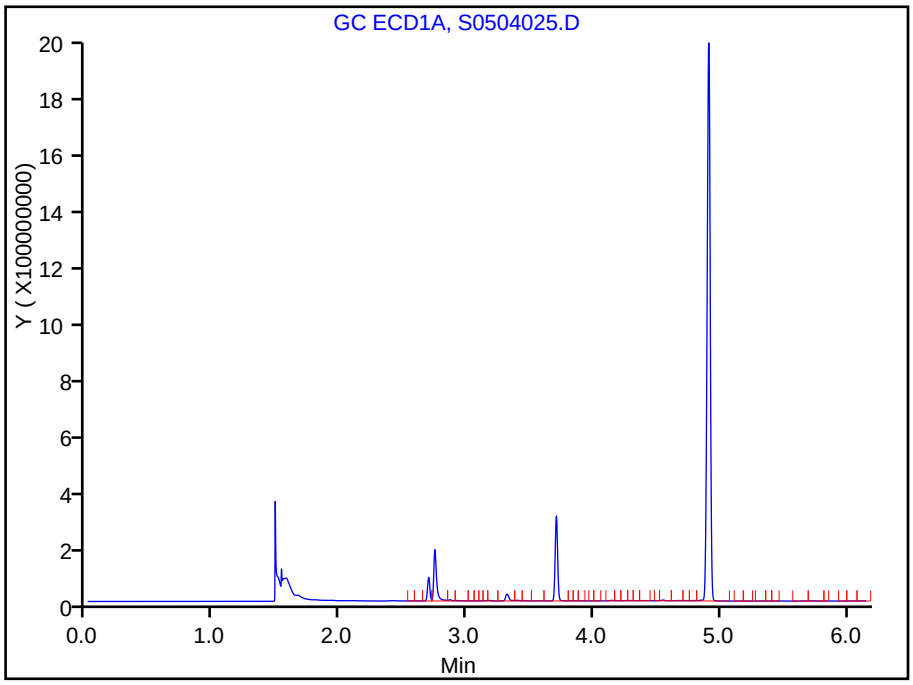
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.45	1571603	0.217558
3.62	3.58	849627	0.043168
4.47	4.51	640760	0.031294
4.62			
6.05	6.06	319252	0.029552
		Average =	0.048383



Reviewer: eppinged, 05-May-2016 07:01:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

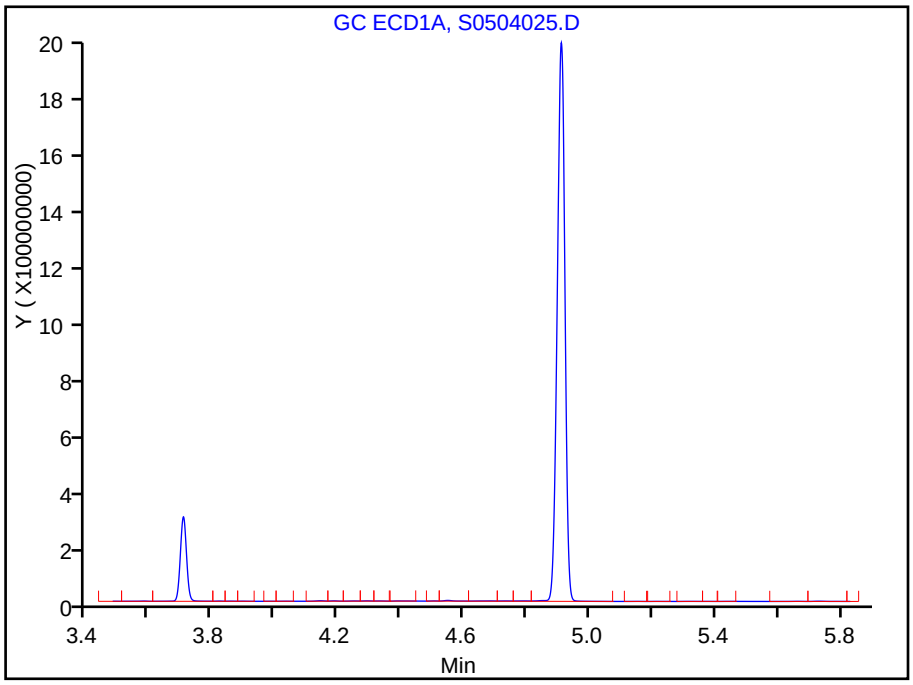
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.62	3.58	849627	0.065857
3.96	3.98	127194	0.006748
4.47	4.51	640760	0.019203
5.13	5.15	256371	0.015099
5.76	5.73	862840	0.048568
		Average =	0.022146



Reviewer: eppinged, 05-May-2016 07:01:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

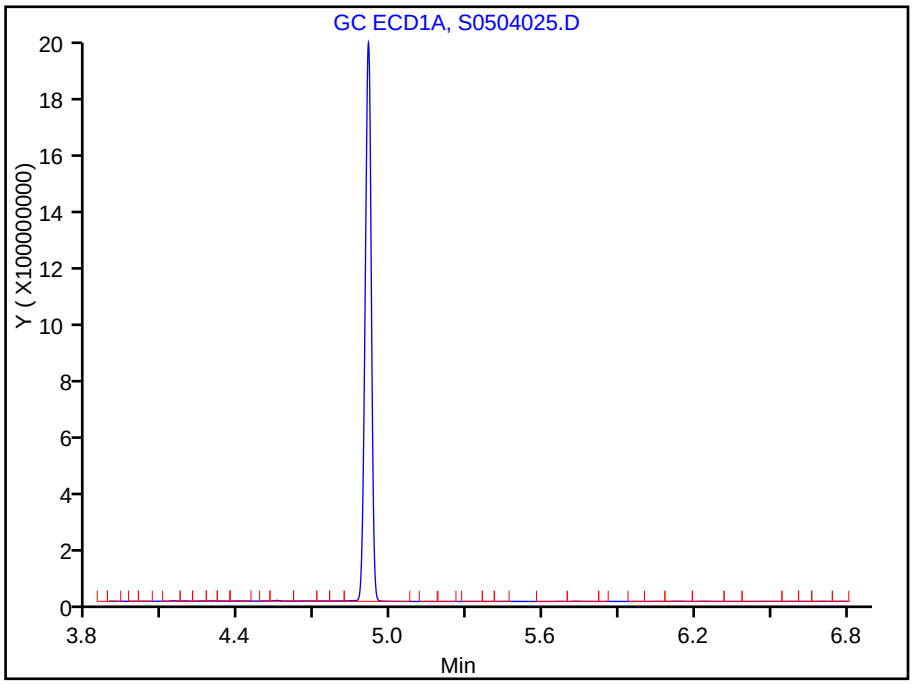
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.97	3.98	127194	0.011310
5.13	5.15	256371	0.009727
5.72	5.73	862840	0.028045
6.06	6.06	319252	0.015484
6.70	6.70	327205	0.021463
		Average =	0.022749



Reviewer: eppinged, 05-May-2016 07:01:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

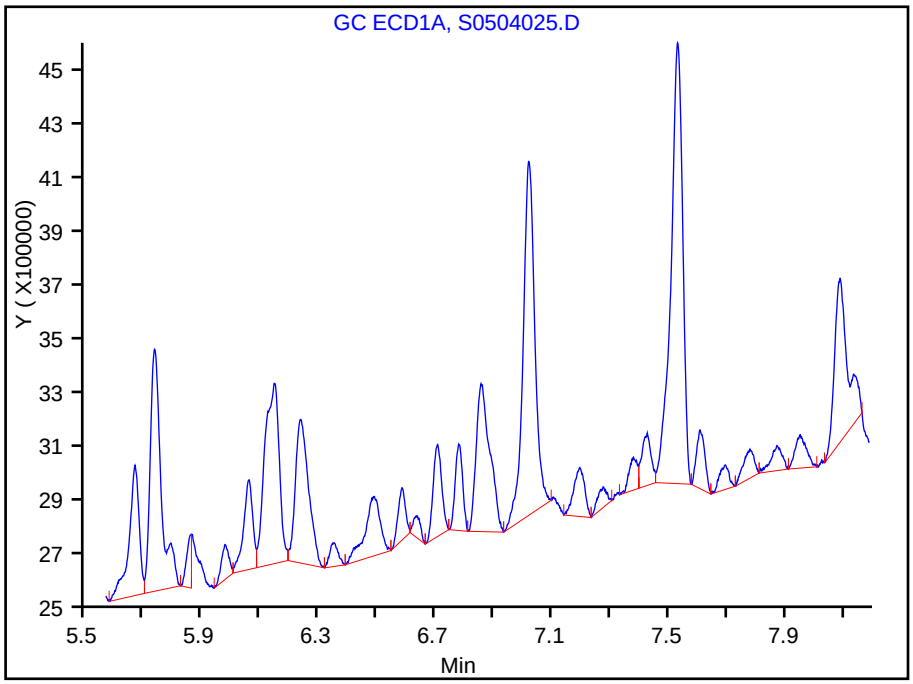
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
5.65	5.66	463988	0.017585
6.05	6.06	319252	0.008874
6.69	6.70	327205	0.006500
7.18	7.19	174591	0.004638
8.08	8.09	584204	0.015475
		Average =	2.413439



Reviewer: eppinged, 05-May-2016 07:01:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-30R4_042916 | Lab Sample ID: 180-54318-3

Matrix: Water | Lab File ID: S0504025.D

Analysis Method: 8082A | Date Collected: 04/29/2016 13:30

Extraction Method: 3510C | Date Extracted: 05/03/2016 13:30

Sample wt/vol: 960(mL) | Date Analyzed: 05/04/2016 12:35

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11096-82-5	Arochlor 1260	0.022		0.010	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	100		43-138
877-09-8	Tetrachloro-m-xylene	98		34-137

TestAmerica Pittsburgh

Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D
Lims ID: 180-54318-A-3-A
Client ID: MW-30R4_042916
Sample Type: Client
Inject. Date: 04-May-2016 12:35:34 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-025
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 05-May-2016 07:03:48 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK034

First Level Reviewer: eppinged Date: 05-May-2016 07:01:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.697	2.693	0.003	82127150H	0.1000	
2	2.913	2.910	0.003	80577805H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.314	3.307	0.007	23656598H	0.0240	
2	3.772	3.768	0.004	17261720H	0.0196	
					RPD = 20.18	
3 PCB-1221						U
1		3.444			ND	
1		3.579				
1		3.618				
2		4.063				
2		4.225				
2		4.299				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
4 PCB-1232						U
1		3.447			ND	
1		3.622				
1		4.468				
1		4.622				
1		6.053				
2		4.066				
2		4.302				
2		4.807				
2		5.455				
2		5.657				
5 PCB-1242						U
1		3.623			ND	
1		3.965				
1		4.471				
1		5.132				
1		5.764				
2		4.304				
2		4.809				
2		5.457				
2		5.661				
2		6.419				
6 PCB-1016						U
1		3.623			ND	
1		4.447				
1		4.624				
1		4.700				
1		5.132				
2		4.810				
2		5.458				
2		5.662				
2		6.420				
2		6.635				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
7 PCB-1248						U
1		3.965			ND	
1		5.133				
1		5.723				
1		6.060				
1		6.698				
2		5.966				
2		6.421				
2		7.094				
2		7.183				
2		7.629				
8 PCB-1254						U
1		5.654			ND	
1		6.046				
1		6.693				
1		7.182				
1		8.083				
2		7.166				
2		7.528				
2		8.475				
2		8.910				
2		9.853				
9 PCB-1260						
1	7.018	7.013	0.005	1260927H	0.0343	
1	7.531	7.527	0.004	1570884H	0.0294	
1	8.090	8.084	0.006	584204H	0.0133	
1	9.338	9.331	0.007	950824H	0.0114	
1	9.811	9.801	0.010	713340H	0.0154	
		Average of Peak Amounts =			0.0207	
2	8.861	8.856	0.005	999757H	0.0302	
2	9.245	9.238	0.007	1471097H	0.0344	
2	9.827	9.856	-0.029	405776H	0.0100	
2	10.862	10.854	0.008	899556H	0.0113	
2	11.387	11.387	0.000	819612H	0.0189	
		Average of Peak Amounts =			0.0210	
					RPD = 1.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
10 PCB-1262						U
1		7.523			ND	
1		8.309				
1		9.329				
1		9.798				
1		9.862				
2		9.233				
2		10.001				
2		10.852				
2		11.378				
2		11.962				
11 PCB-1268						U
1		9.862			ND	
1		9.925				
1		10.229				
1		11.185				
2		11.375				
2		11.441				
2		11.795				
2		12.610				
* 46 PCB-205 (IS)						
1	10.854	10.853	0.001	102683640H	0	
2	12.230	12.228	0.002	88230604H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.454	11.450	0.004	17854394H	0.0218	
2	12.947	12.943	0.004	13574681H	0.0199	
					RPD = 8.98	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

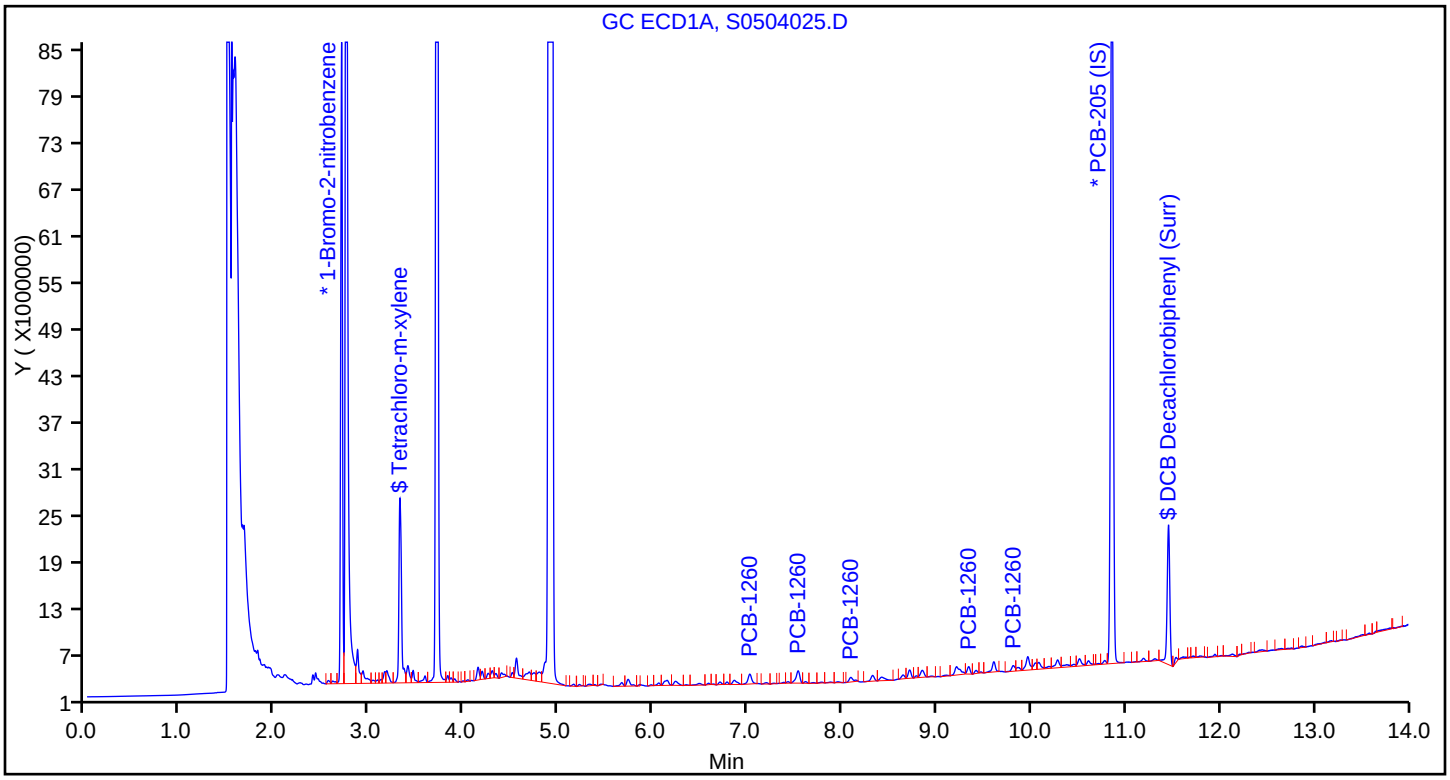
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 05-May-2016 07:04:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

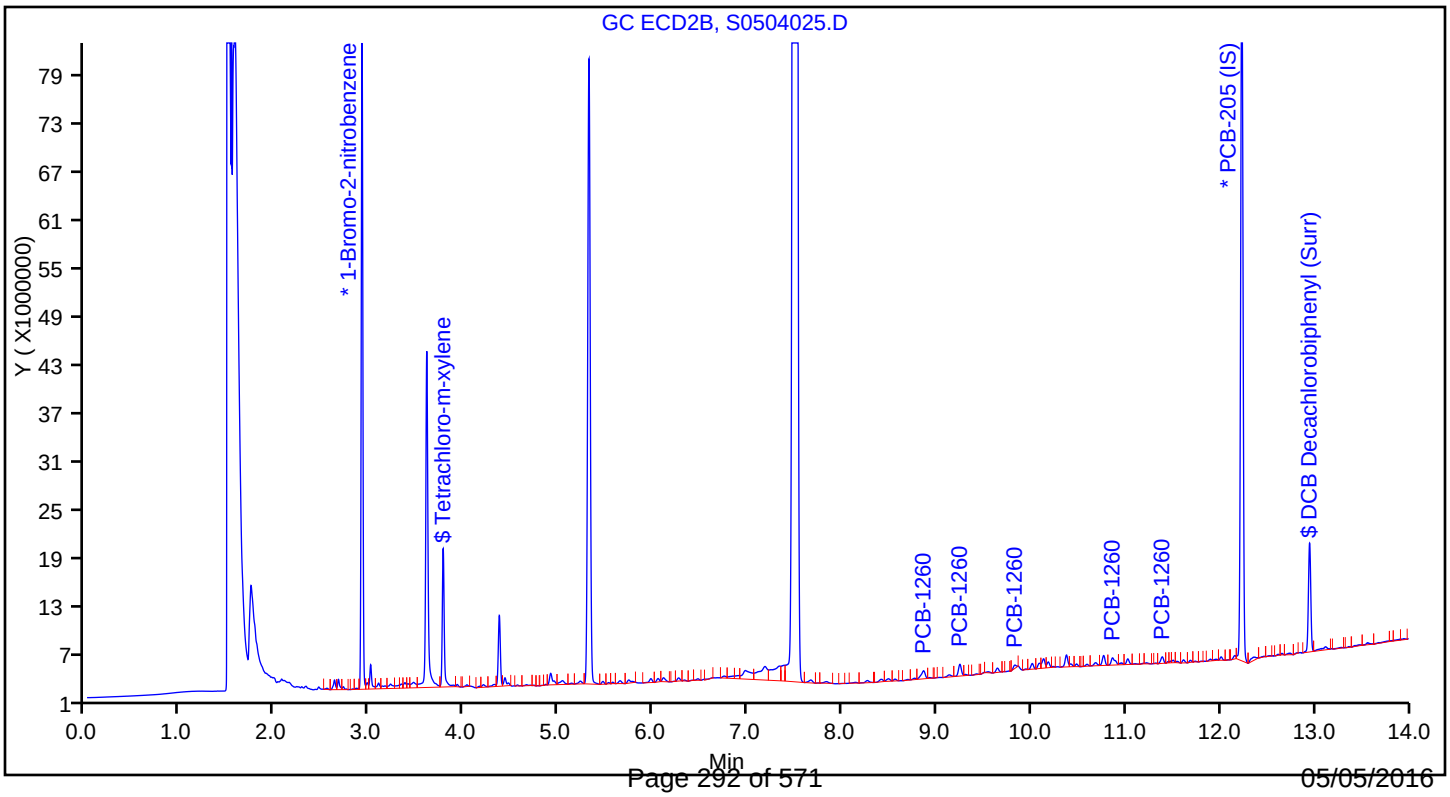
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

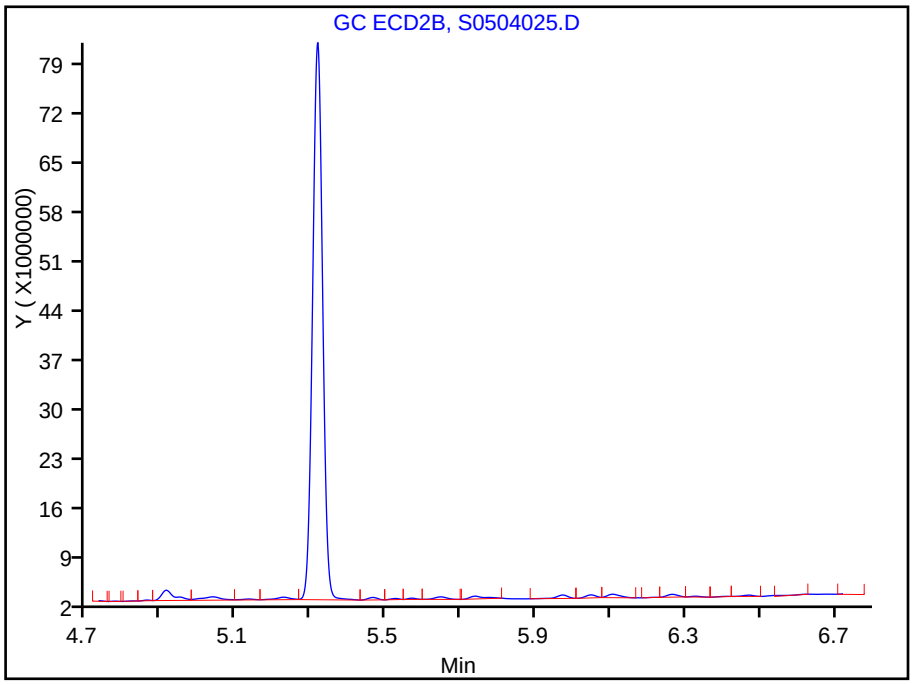
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.81	4.83	14016	0.000785
5.46	5.46	351026	0.010845
5.66	5.65	356632	0.019344
6.42	6.41	37121	0.002275
6.63	6.62	28419	0.002075
		Average =	0.020010



Reviewer: eppinged, 05-May-2016 07:01:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

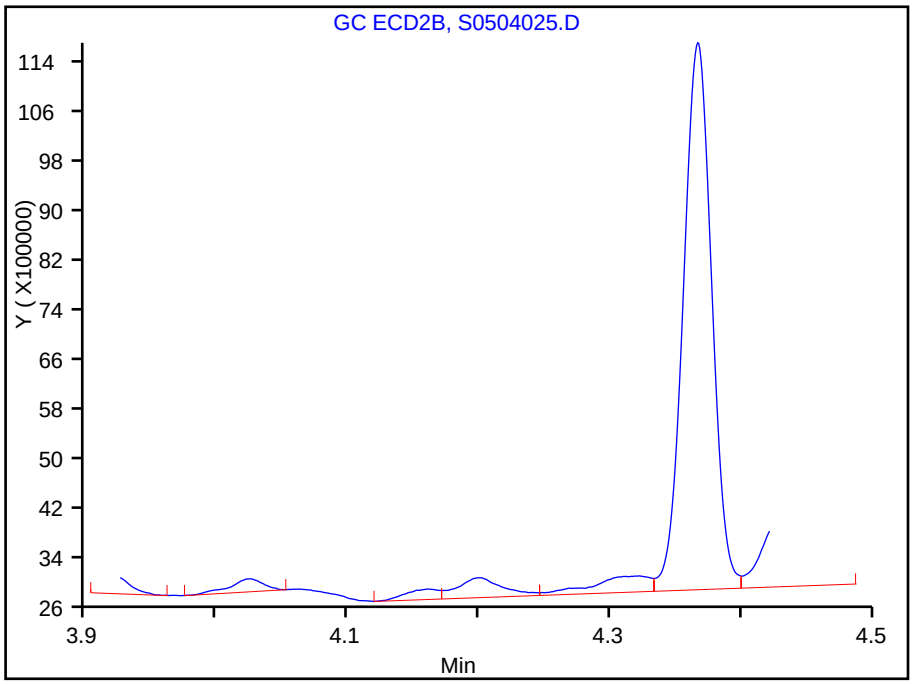
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.06	4.02	208959	0.027634
4.23	4.20	319930	0.063876
4.30	4.32	257449	0.016487
		Average =	0.084831



Reviewer: eppinged, 05-May-2016 07:01:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

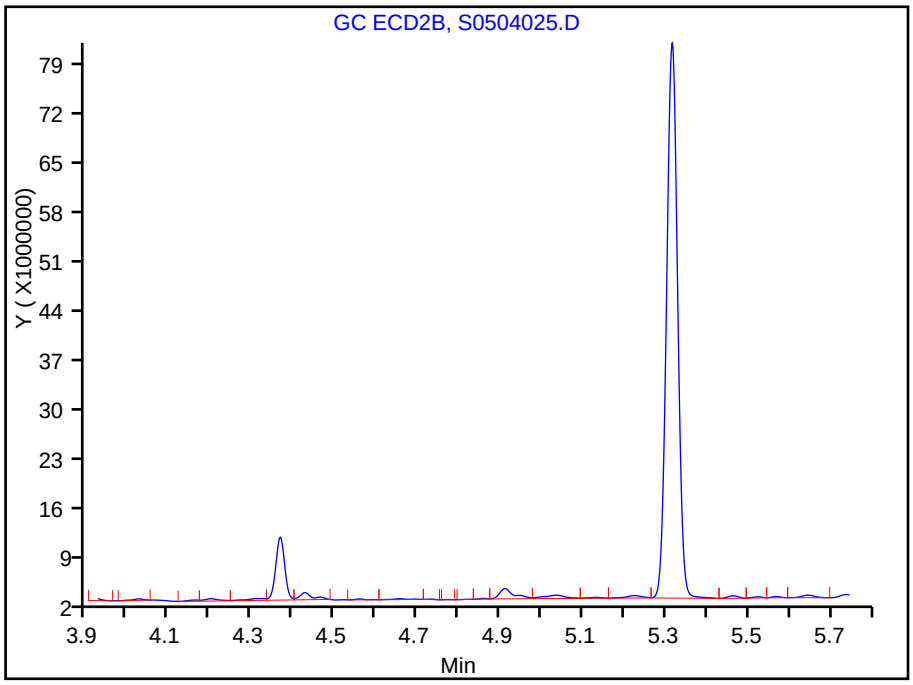
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.02	208959	0.035031
4.30	4.32	257449	0.016878
4.81	4.83	14016	0.001543
5.45	5.46	351026	0.021812
5.66	5.65	356632	0.038610
		Average =	0.048383



Reviewer: eppinged, 05-May-2016 07:01:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

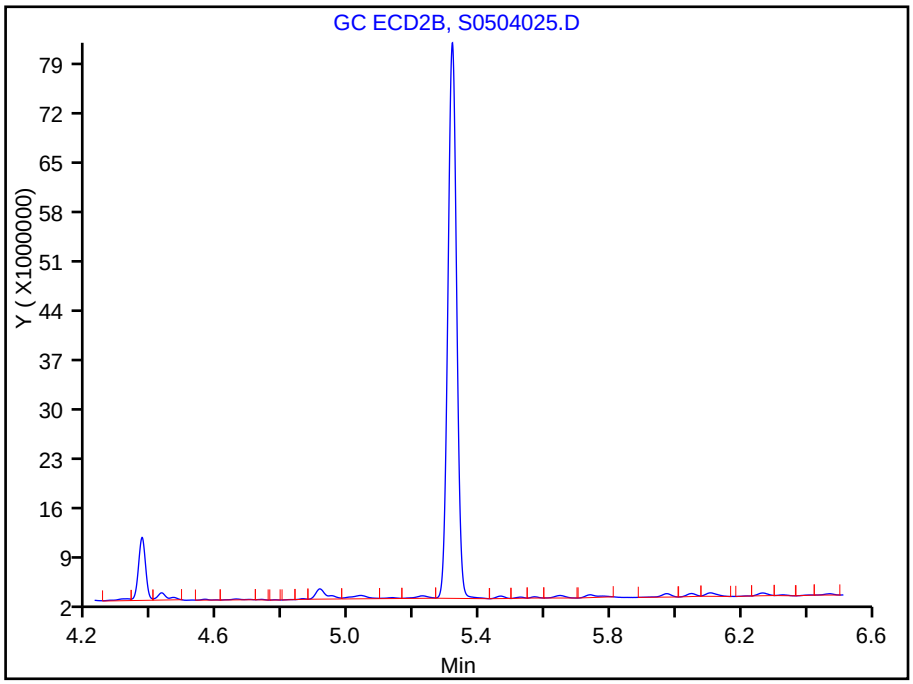
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.30	4.32	257449	0.024965
4.81	4.83	14016	0.000980
5.46	5.46	351026	0.013343
5.66	5.65	356632	0.023958
6.42	6.41	37121	0.002736
		Average =	0.022146



Reviewer: eppinged, 05-May-2016 07:01:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

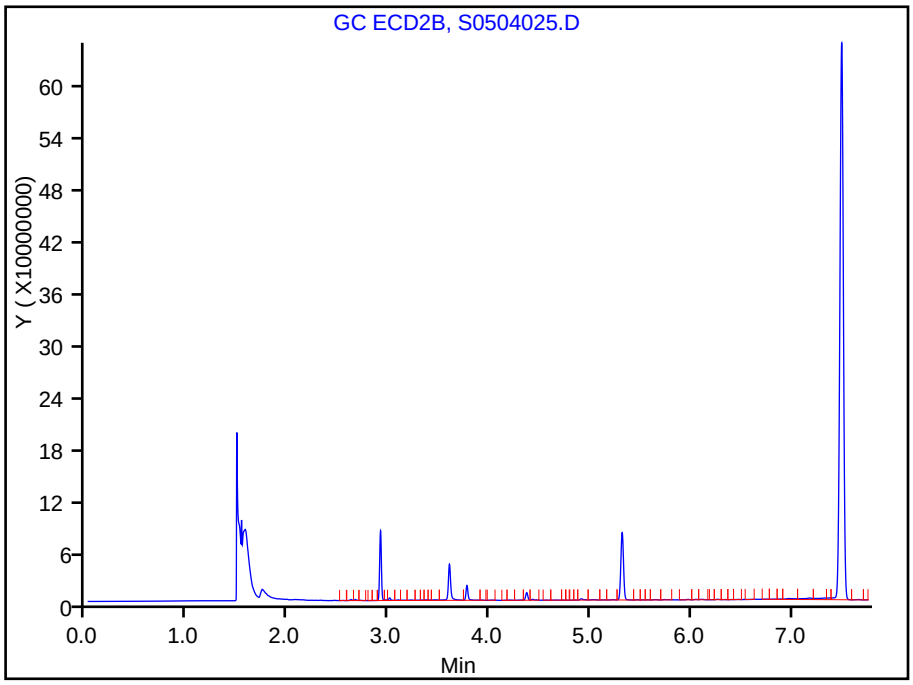
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
5.97	5.97	481911	0.028530
6.42	6.41	37121	0.001754
7.09			
7.18	7.18	1691821	0.068629
7.63	7.66	365399	0.019797
		Average =	0.022749



Reviewer: eppinged, 05-May-2016 07:01:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

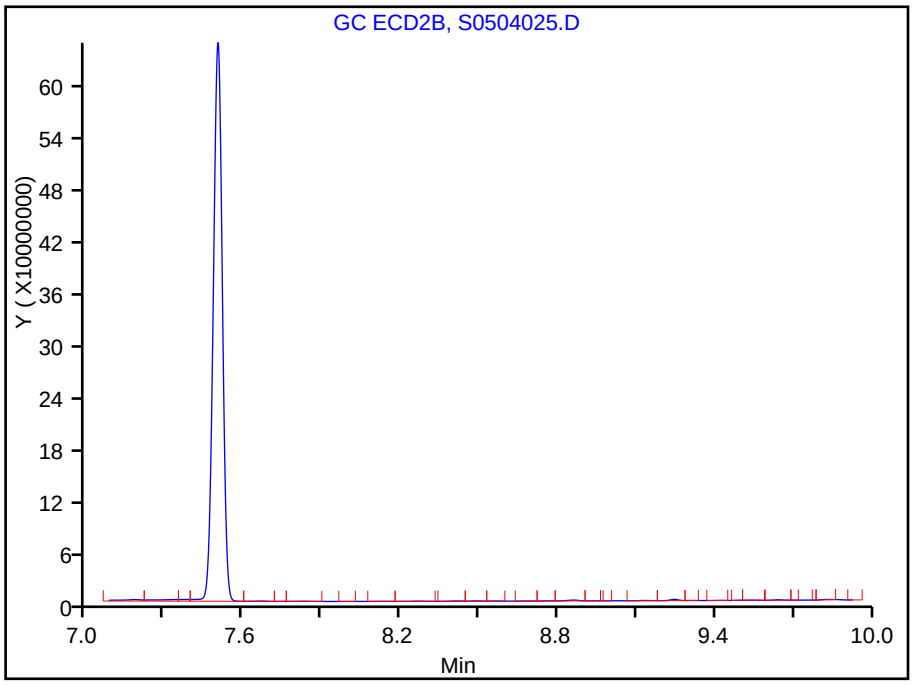
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504025.D				
Injection Date:	04-May-2016 12:35:34	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-3-A	Lab Sample ID:	180-54318-3		
Client ID:	MW-30R4_042916				
Operator ID:	402331	ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
7.17	7.18	1691821	0.072574
7.53	7.50	643126107	23.987744
8.48	8.49	316361	0.007477
8.91	8.92	93617	0.002894
9.85	9.83	405776	0.010630
		Average =	2.413439



Reviewer: eppinged, 05-May-2016 07:01:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-31R_042916 | Lab Sample ID: 180-54318-4

Matrix: Water | Lab File ID: S0504020.D

Analysis Method: 8082A | Date Collected: 04/29/2016 11:55

Extraction Method: 3510C | Date Extracted: 05/03/2016 13:30

Sample wt/vol: 990(mL) | Date Analyzed: 05/04/2016 11:04

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.0037	U	0.010	0.0037
11104-28-2	Arochlor 1221	0.0059	U	0.010	0.0059
11141-16-5	Arochlor 1232	0.0061	U	0.010	0.0061
53469-21-9	Arochlor 1242	0.0034	U	0.010	0.0034
12672-29-6	Arochlor 1248	0.0032	U	0.010	0.0032
11097-69-1	Arochlor 1254	0.0045	U	0.010	0.0045

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	96		43-138
877-09-8	Tetrachloro-m-xylene	90		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D
Lims ID: 180-54318-A-4-A
Client ID: MW-31R_042916
Sample Type: Client
Inject. Date: 04-May-2016 11:04:16 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-020
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 11:27:10 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

First Level Reviewer: oravecj Date: 04-May-2016 11:26:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.696	2.693	0.003	89706957H	0.1000	
2	2.915	2.910	0.005	87579960H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.309	3.307	0.002	19472486H	0.0181	
2	3.773	3.768	0.005	16683040H	0.0174	
					RPD = 3.70	
3 PCB-1221						U
1		3.444			ND	
1		3.579				
1		3.618				
2		4.063				
2		4.225				
2		4.299				
4 PCB-1232						U
1		3.447			ND	
1		3.622				
1		4.468				
1		4.622				
1		6.053				
2		4.066				
2		4.302				
2		4.807				
2		5.455				
2		5.657				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.623			ND	
1		3.965				
1		4.471				
1		5.132				
1		5.764				
2		4.304				
2		4.809				
2		5.457				
2		5.661				
2		6.419				
6	PCB-1016					U
1		3.623			ND	
1		4.447				
1		4.624				
1		4.700				
1		5.132				
2		4.810				
2		5.458				
2		5.662				
2		6.420				
2		6.635				
7	PCB-1248					U
1		3.965			ND	
1		5.133				
1		5.723				
1		6.060				
1		6.698				
2		5.966				
2		6.421				
2		7.094				
2		7.183				
2		7.629				
8	PCB-1254					U
1		5.654			ND	
1		6.046				
1		6.693				
1		7.182				
1		8.083				
2		7.166				
2		7.528				
2		8.475				
2		8.910				
2		9.853				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						
1	7.014	7.013	0.001	2414333H	0.0602	
1	7.528	7.527	0.001	3253893H	0.0558	
1	8.087	8.084	0.003	1789476H	0.0372	
1	9.334	9.331	0.003	2539524H	0.0278	
1	9.803	9.801	0.002	1603243H	0.0316	
		Average of Peak Amounts =			0.0425	
2	8.858	8.856	0.002	2141817H	0.0596	
2	9.245	9.238	0.007	2774985H	0.0598	
2	9.860	9.856	0.004	1781362H	0.0406	
2	10.859	10.854	0.005	2370357H	0.0274	
2	11.389	11.387	0.002	1860144H	0.0394	
		Average of Peak Amounts =			0.0454	
				RPD =	6.49	
10 PCB-1262						U
1		7.523		ND		
1		8.309				
1		9.329				
1		9.798				
1		9.862				
2		9.233				
2		10.001				
2		10.852				
2		11.378				
2		11.962				
11 PCB-1268						U
1		9.862		ND		
1		9.925				
1		10.229				
1		11.185				
2		11.375				
2		11.441				
2		11.795				
2		12.610				
* 46 PCB-205 (IS)						
1	10.853	10.853	0.000	109169760H	0	
2	12.230	12.228	0.002	97498984H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.452	11.450	0.002	17187371H	0.0192	
2	12.947	12.943	0.004	13384618H	0.0181	
				RPD =	6.09	
13 1260 Res 2						
1		0.000		ND		
2		0.000				
14 1260 Res 3						
1		0.000		ND		
2		0.000				
15 1260 Res 1						
1		0.000		ND		
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

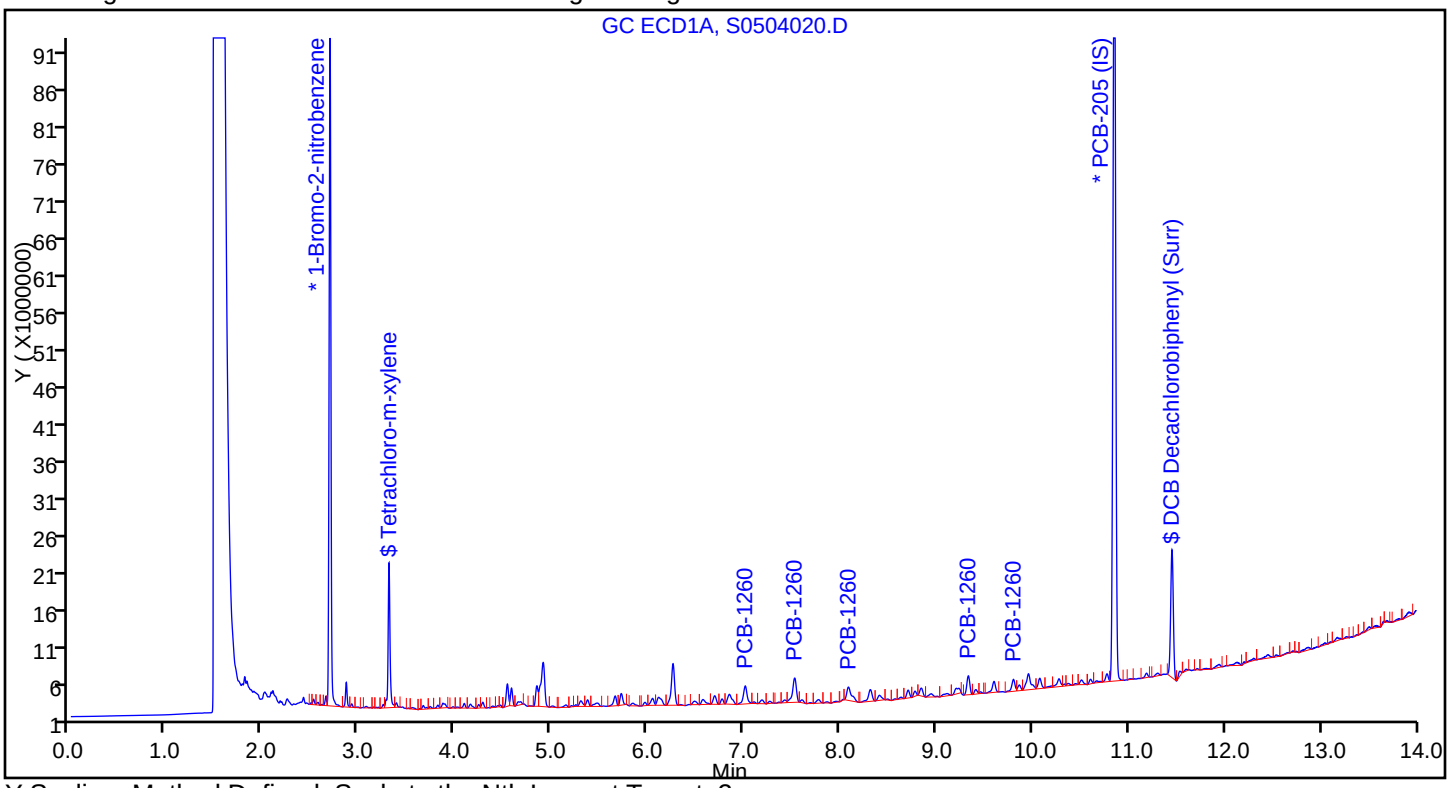
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 04-May-2016 11:27:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

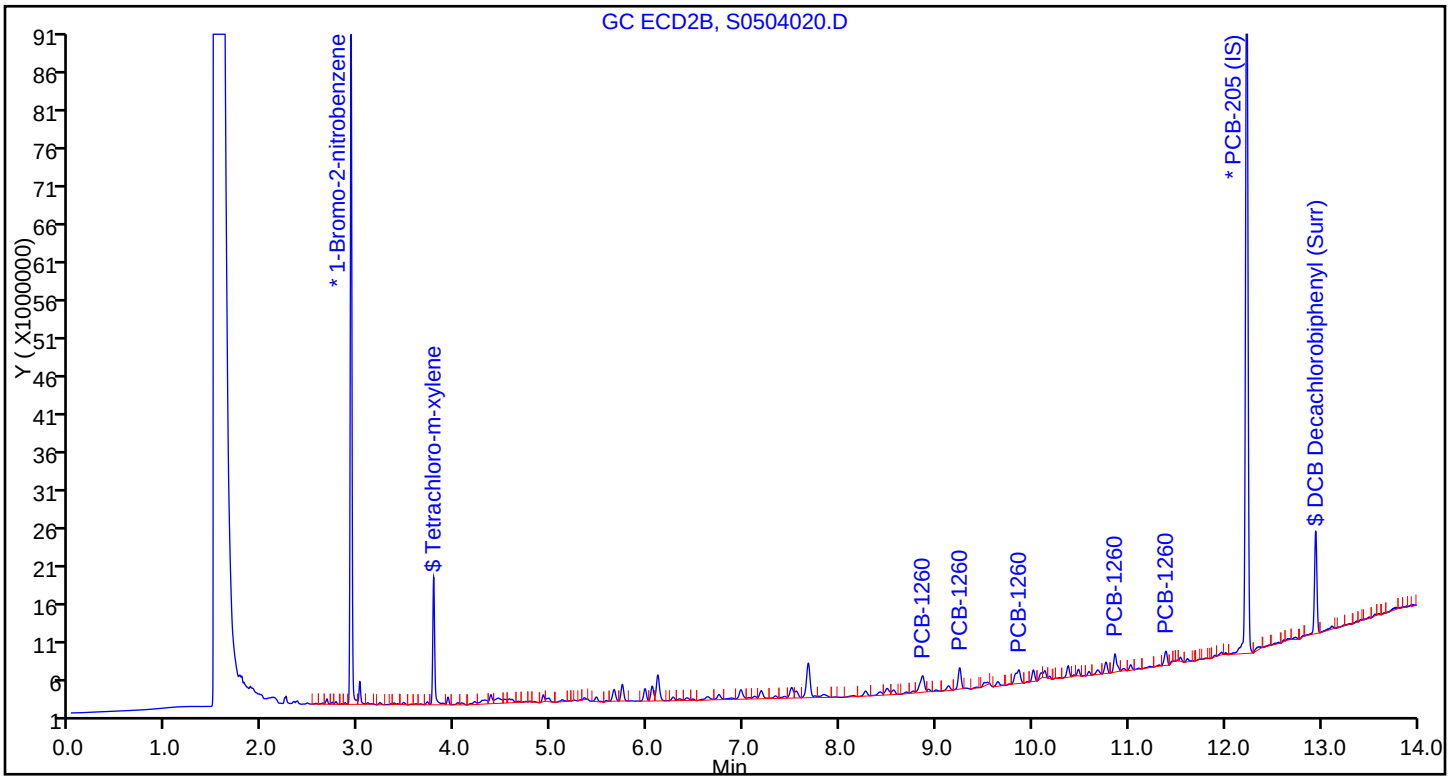
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

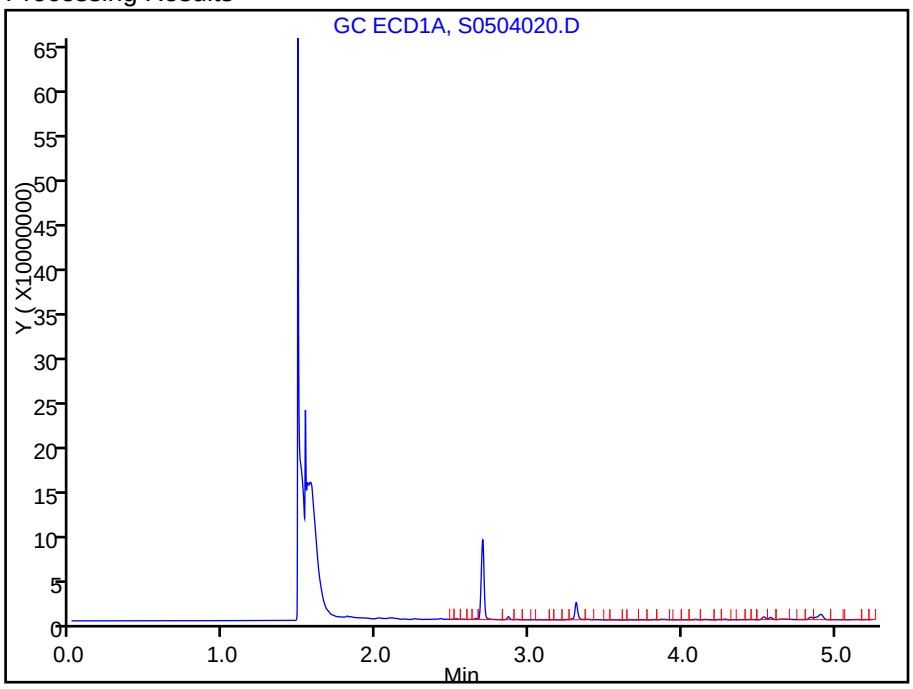
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.62	3.63	109604	0.006253
4.45	4.45	166807	0.004584
4.62	4.66	457203	0.017491
4.70			
5.13	5.15	315512	0.014060
		Average =	0.021071



Reviewer: oravecj, 04-May-2016 11:26:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

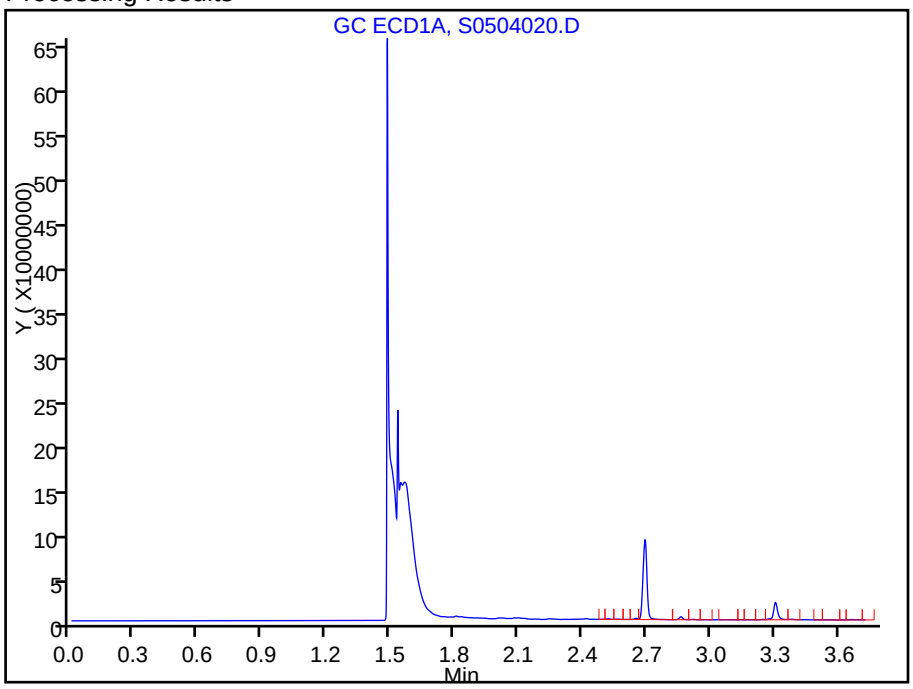
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.44			
3.58	3.56	199478	0.030958
3.62	3.63	109604	0.004880
		Average =	0.033261



Reviewer: oravecj, 04-May-2016 11:26:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

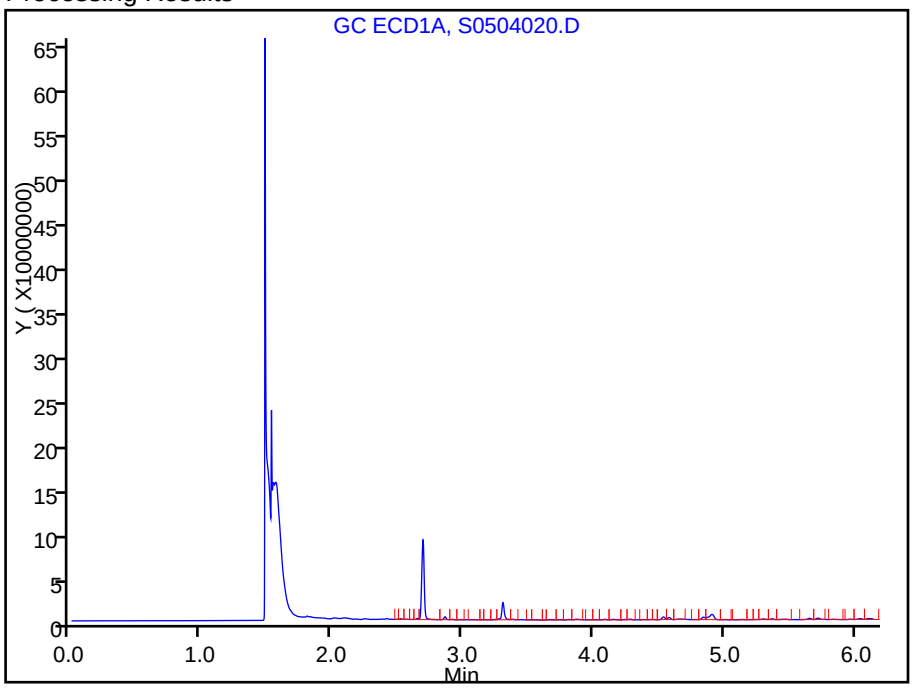
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45			
3.62	3.63	109604	0.005098
4.47	4.47	267534	0.011962
4.62	4.66	457203	0.034412
6.05	6.05	930587	0.078862
		Average =	0.044101



Reviewer: oravecj, 04-May-2016 11:26:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

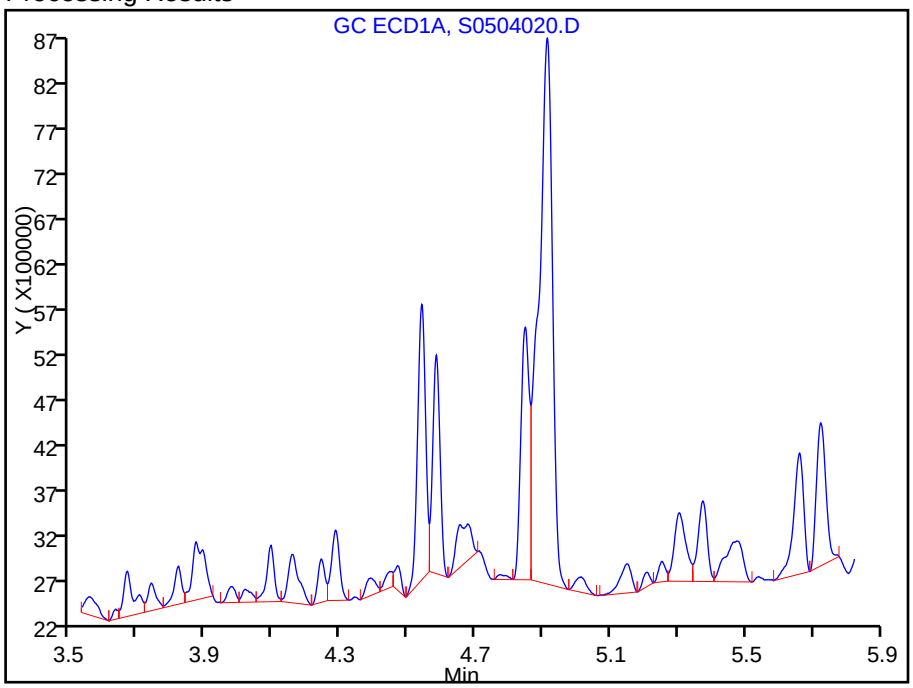
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.62	3.63	109604	0.007778
3.96	3.98	173920	0.008447
4.47	4.47	267534	0.007340
5.13	5.15	315512	0.017012
5.76	5.72	1553956	0.080078
		Average =	0.030993



Reviewer: oravecj, 04-May-2016 11:26:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

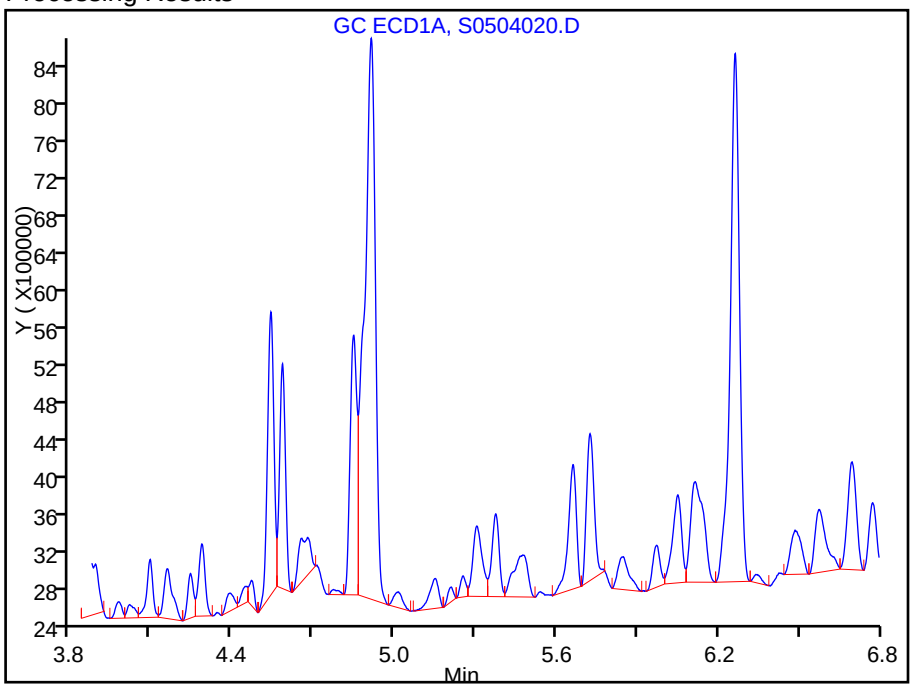
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.97	3.98	173920	0.014158
5.13	5.15	315512	0.010960
5.72	5.72	1553956	0.046240
6.06	6.05	930587	0.041320
6.70	6.70	1140194	0.068471
		Average =	0.056125



Reviewer: oravecj, 04-May-2016 11:26:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

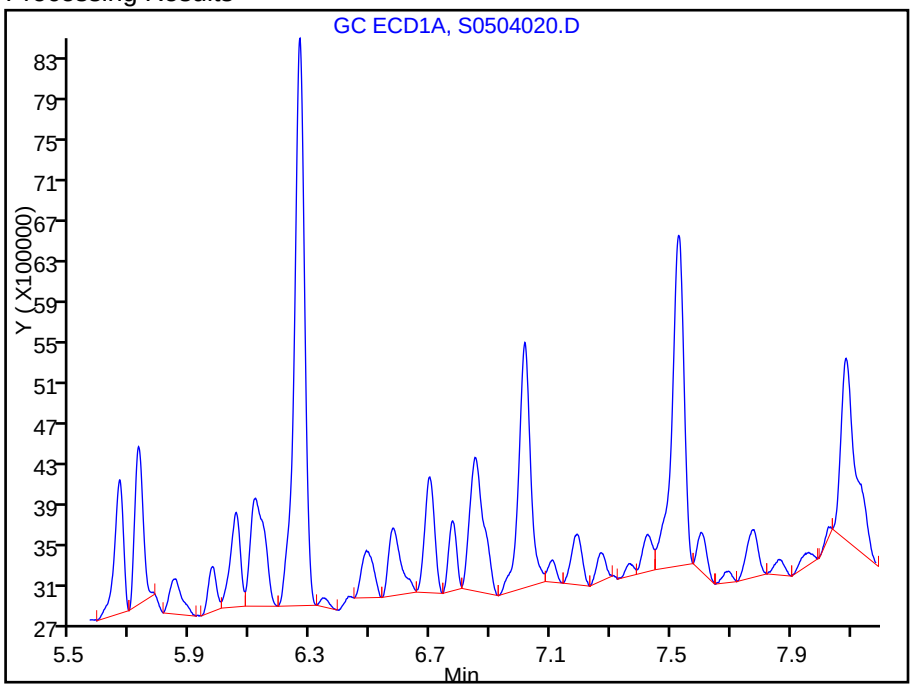
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
5.65	5.66	1316341	0.045673
6.05	6.05	930587	0.023681
6.69	6.70	1140194	0.020735
7.18	7.19	498035	0.012111
8.08	8.09	1789476	0.043396
		Average =	0.028870



Reviewer: oravecj, 04-May-2016 11:27:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-31R_042916 | Lab Sample ID: 180-54318-4

Matrix: Water | Lab File ID: S0504020.D

Analysis Method: 8082A | Date Collected: 04/29/2016 11:55

Extraction Method: 3510C | Date Extracted: 05/03/2016 13:30

Sample wt/vol: 990(mL) | Date Analyzed: 05/04/2016 11:04

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11096-82-5	Arochlor 1260	0.046		0.010	0.0029

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	90		43-138
877-09-8	Tetrachloro-m-xylene	87		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D
Lims ID: 180-54318-A-4-A
Client ID: MW-31R_042916
Sample Type: Client
Inject. Date: 04-May-2016 11:04:16 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-020
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 11:27:10 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

First Level Reviewer: oravecj Date: 04-May-2016 11:26:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.696	2.693	0.003	89706957H	0.1000	
2	2.915	2.910	0.005	87579960H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.309	3.307	0.002	19472486H	0.0181	
2	3.773	3.768	0.005	16683040H	0.0174	
					RPD = 3.70	
3 PCB-1221						U
1		3.444			ND	
1		3.579				
1		3.618				
2		4.063				
2		4.225				
2		4.299				
4 PCB-1232						U
1		3.447			ND	
1		3.622				
1		4.468				
1		4.622				
1		6.053				
2		4.066				
2		4.302				
2		4.807				
2		5.455				
2		5.657				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.623			ND	
1		3.965				
1		4.471				
1		5.132				
1		5.764				
2		4.304				
2		4.809				
2		5.457				
2		5.661				
2		6.419				
6	PCB-1016					U
1		3.623			ND	
1		4.447				
1		4.624				
1		4.700				
1		5.132				
2		4.810				
2		5.458				
2		5.662				
2		6.420				
2		6.635				
7	PCB-1248					U
1		3.965			ND	
1		5.133				
1		5.723				
1		6.060				
1		6.698				
2		5.966				
2		6.421				
2		7.094				
2		7.183				
2		7.629				
8	PCB-1254					U
1		5.654			ND	
1		6.046				
1		6.693				
1		7.182				
1		8.083				
2		7.166				
2		7.528				
2		8.475				
2		8.910				
2		9.853				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						
1	7.014	7.013	0.001	2414333H	0.0602	
1	7.528	7.527	0.001	3253893H	0.0558	
1	8.087	8.084	0.003	1789476H	0.0372	
1	9.334	9.331	0.003	2539524H	0.0278	
1	9.803	9.801	0.002	1603243H	0.0316	
		Average of Peak Amounts =			0.0425	
2	8.858	8.856	0.002	2141817H	0.0596	
2	9.245	9.238	0.007	2774985H	0.0598	
2	9.860	9.856	0.004	1781362H	0.0406	
2	10.859	10.854	0.005	2370357H	0.0274	
2	11.389	11.387	0.002	1860144H	0.0394	
		Average of Peak Amounts =			0.0454	
				RPD =	6.49	
10 PCB-1262						U
1		7.523		ND		
1		8.309				
1		9.329				
1		9.798				
1		9.862				
2		9.233				
2		10.001				
2		10.852				
2		11.378				
2		11.962				
11 PCB-1268						U
1		9.862		ND		
1		9.925				
1		10.229				
1		11.185				
2		11.375				
2		11.441				
2		11.795				
2		12.610				
* 46 PCB-205 (IS)						
1	10.853	10.853	0.000	109169760H	0	
2	12.230	12.228	0.002	97498984H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.452	11.450	0.002	17187371H	0.0192	
2	12.947	12.943	0.004	13384618H	0.0181	
				RPD =	6.09	
13 1260 Res 2						
1		0.000		ND		
2		0.000				
14 1260 Res 3						
1		0.000		ND		
2		0.000				
15 1260 Res 1						
1		0.000		ND		
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

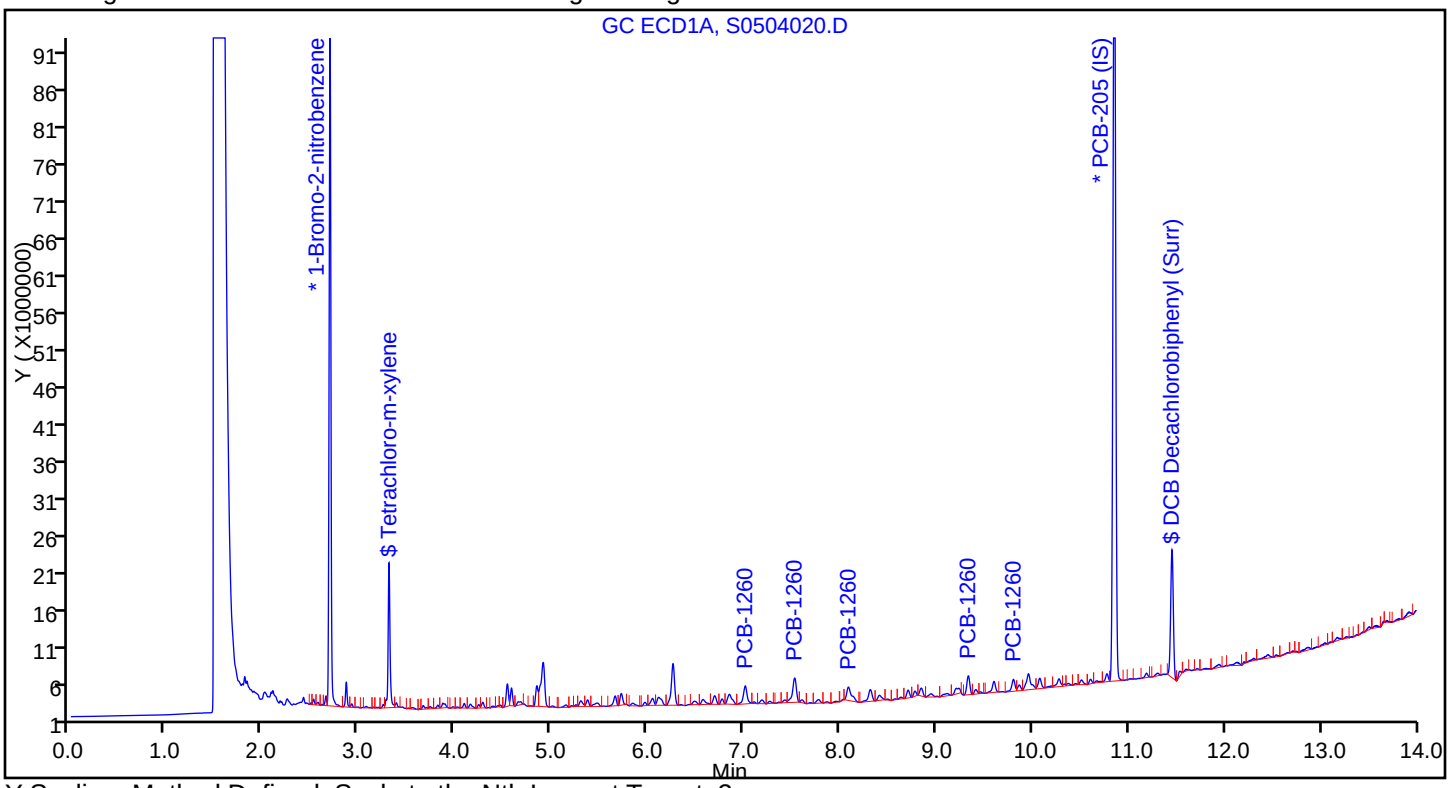
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 04-May-2016 11:27:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

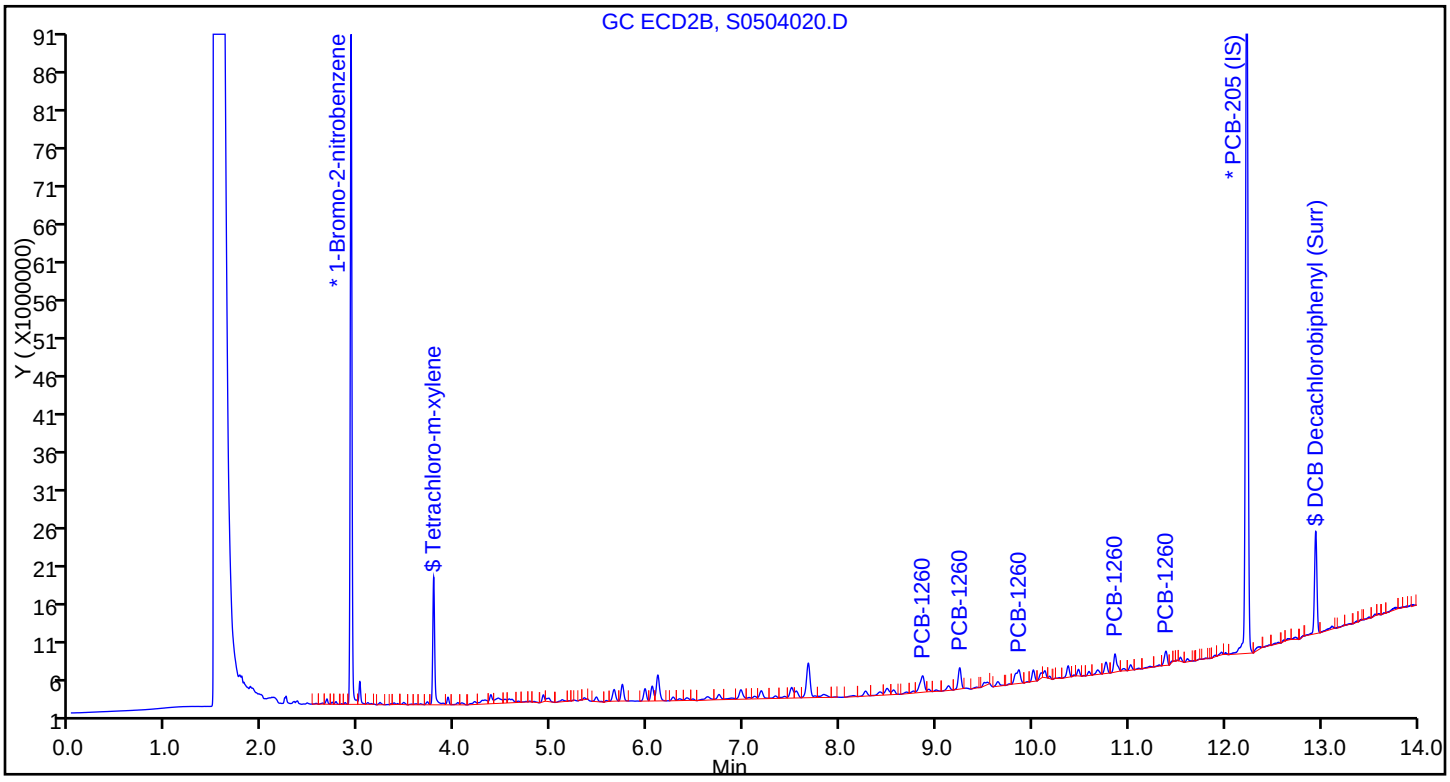
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

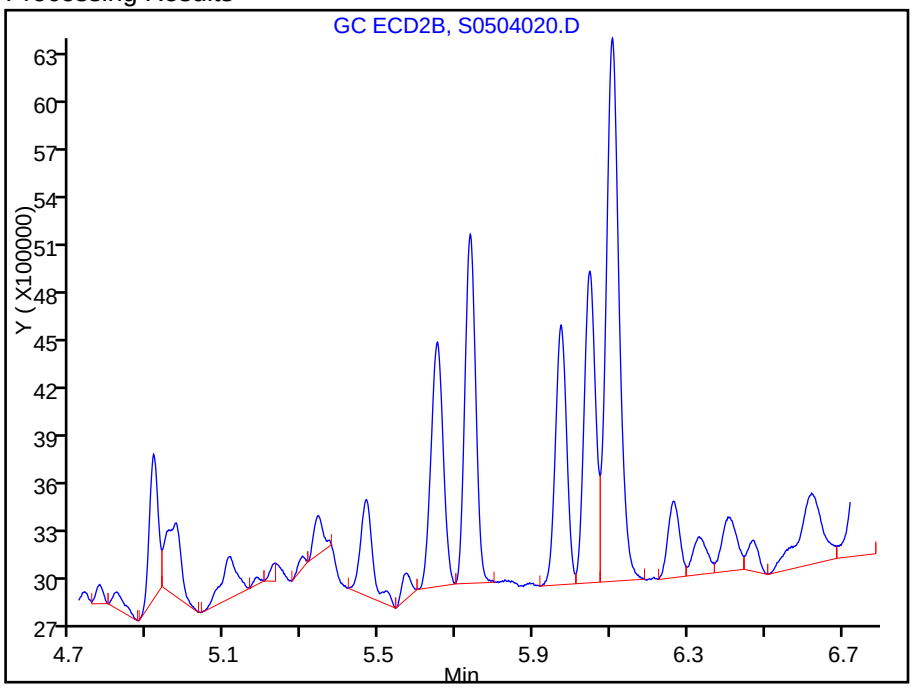
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.81	4.82	105340	0.005426
5.46	5.47	599898	0.017051
5.66	5.65	1523452	0.076028
6.42	6.41	337640	0.019036
6.63	6.62	442374	0.029711
		Average =	0.021071



Reviewer: oravecj, 04-May-2016 11:26:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

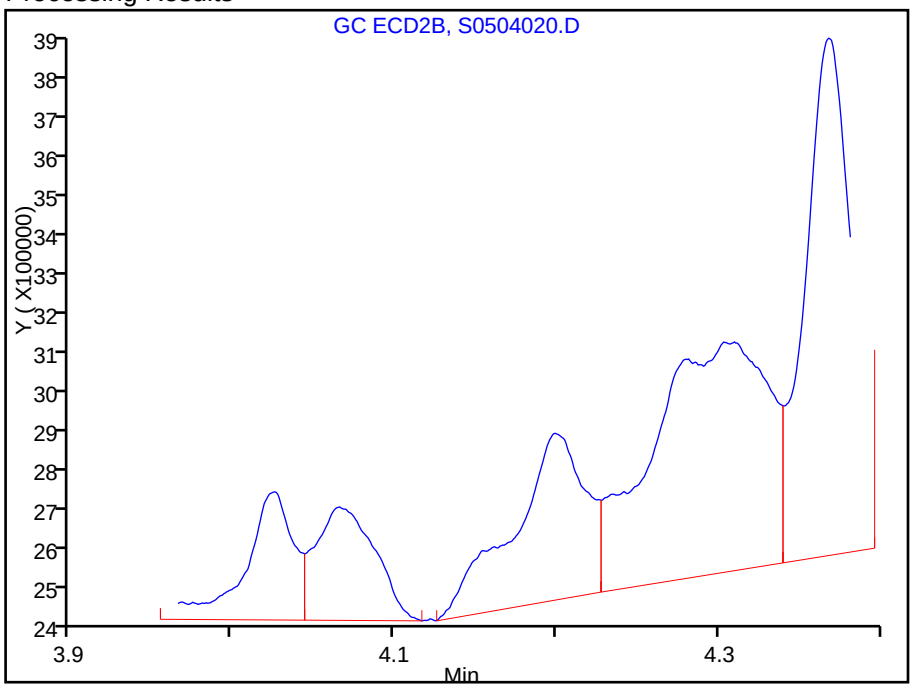
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.06	4.07	258046	0.031397
4.23	4.20	379471	0.069706
4.30	4.28	498324	0.029361
		Average =	0.033261



Reviewer: oravecj, 04-May-2016 11:26:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

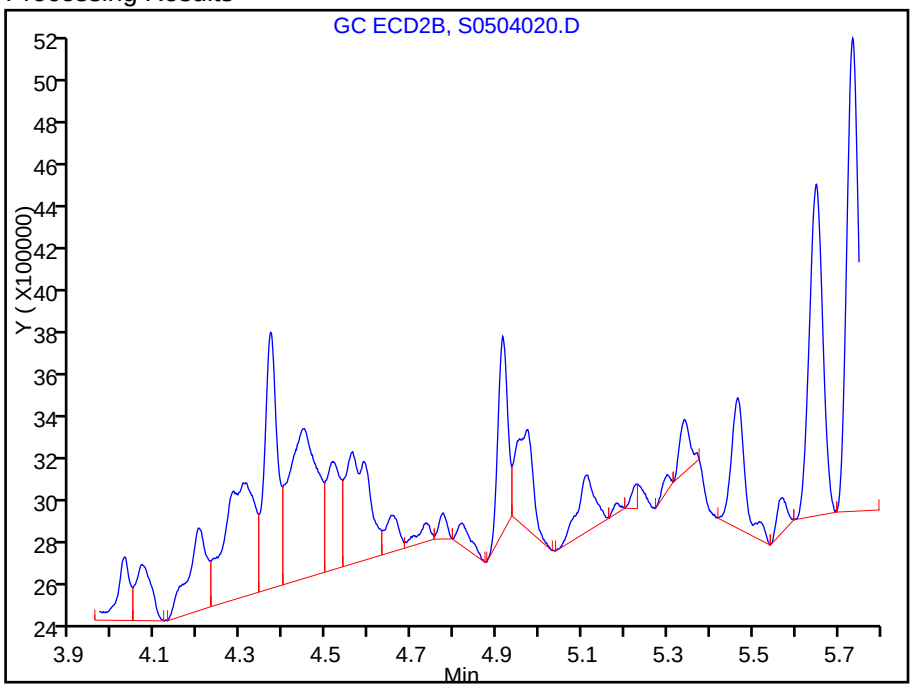
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.07	258046	0.039801
4.30	4.28	498324	0.030057
4.81	4.82	105340	0.010669
5.45	5.47	599898	0.034296
5.66	5.65	1523452	0.151748
		Average =	0.044101



Reviewer: oravecj, 04-May-2016 11:26:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

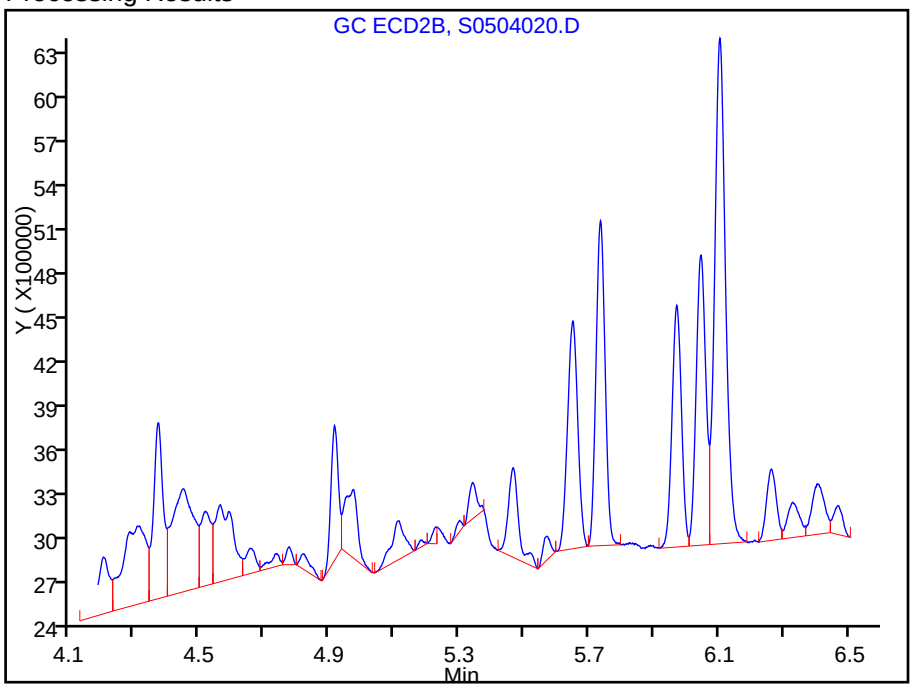
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.30	4.28	498324	0.044460
4.81	4.82	105340	0.006779
5.46	5.47	599898	0.020980
5.66	5.65	1523452	0.094161
6.42	6.41	337640	0.022894
		Average =	0.030993



Reviewer: oravecj, 04-May-2016 11:26:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

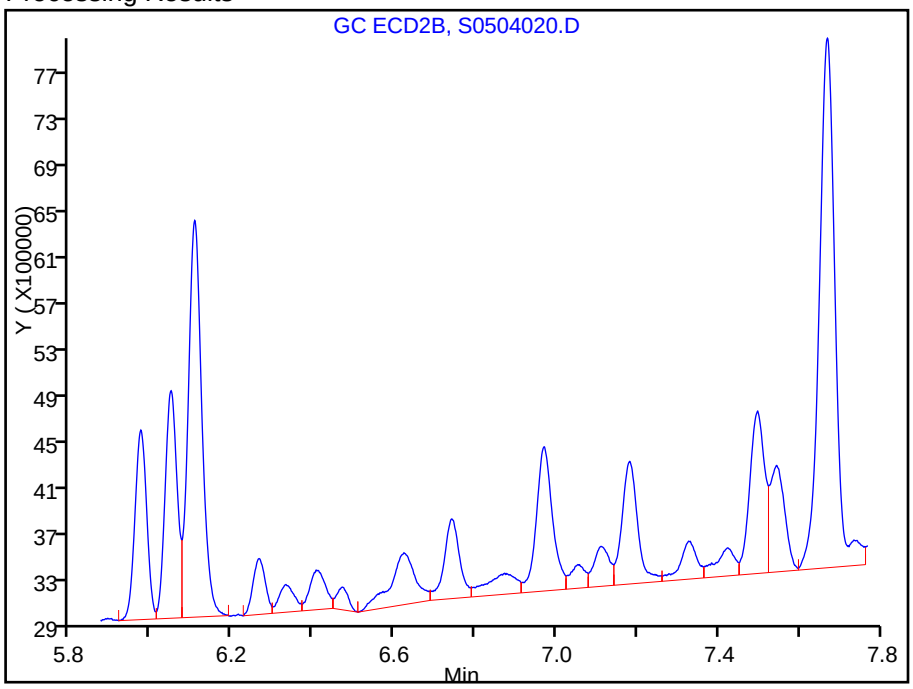
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
5.97	5.97	1617014	0.088076
6.42	6.41	337640	0.014677
7.09	7.11	340680	0.013139
7.18	7.18	1045673	0.039027
7.63	7.67	4517484	0.225186
		Average =	0.056125



Reviewer: oravecj, 04-May-2016 11:26:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

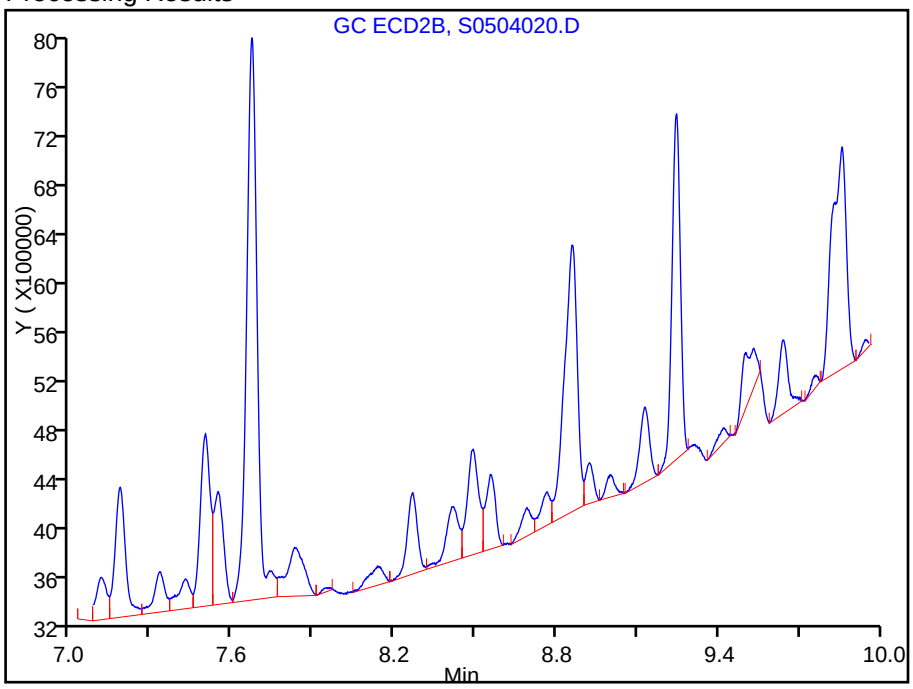
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504020.D				
Injection Date:	04-May-2016 11:04:16	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-4-A	Lab Sample ID:	180-54318-4		
Client ID:	MW-31R_042916				
Operator ID:	402331	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
7.17	7.18	1045673	0.041270
7.53	7.54	908358	0.031172
8.48	8.49	846535	0.018409
8.91	8.92	327481	0.009315
9.85	9.86	1781362	0.042933
		Average =	0.028870



Reviewer: oravecj, 04-May-2016 11:27:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-32R_042916 | Lab Sample ID: 180-54318-5

Matrix: Water | Lab File ID: S0504026.D

Analysis Method: 8082A | Date Collected: 04/29/2016 11:10

Extraction Method: 3510C | Date Extracted: 05/03/2016 13:30

Sample wt/vol: 960(mL) | Date Analyzed: 05/04/2016 12:54

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.038	U	0.10	0.038
11104-28-2	Arochlor 1221	0.061	U	0.10	0.061
11141-16-5	Arochlor 1232	0.063	U	0.10	0.063
53469-21-9	Arochlor 1242	0.035	U	0.10	0.035
12672-29-6	Arochlor 1248	0.033	U	0.10	0.033
11097-69-1	Arochlor 1254	5.3		0.10	0.046

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	115		43-138
877-09-8	Tetrachloro-m-xylene	92		34-137

TestAmerica Pittsburgh

Target Compound Quantitation Report

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Lims ID:	180-54318-A-5-A				
Client ID:	MW-32R_042916				
Sample Type:	Client				
Inject. Date:	04-May-2016 12:54:25	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Sample Info:	180-0011678-027				
Operator ID:	402331	Instrument ID:	CHGC10		
Method:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m				
Limit Group:	GCS 8082A ICAL with IS				
Last Update:	05-May-2016 07:03:48	Calib Date:	19-Apr-2016 11:55:32		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	XAWRK034				

First Level Reviewer: eppinged Date: 05-May-2016 07:03:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.698	2.693	0.005	140448948	H 0.1000	
2	2.914	2.910	0.005	134225938	H 0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.312	3.307	0.005	3114381	H 0.001847	
2	3.774	3.768	0.006	2636720	H 0.001797	
					RPD = 2.75	
3 PCB-1221						U
1		3.444			ND	
1		3.579				
1		3.618				
2		4.063				
2		4.225				
2		4.299				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
4 PCB-1232						U
1		3.447			ND	
1		3.622				
1		4.468				
1		4.622				
1		6.053				
2		4.066				
2		4.302				
2		4.807				
2		5.455				
2		5.657				
5 PCB-1242						U
1		3.623			ND	
1		3.965				
1		4.471				
1		5.132				
1		5.764				
2		4.304				
2		4.809				
2		5.457				
2		5.661				
2		6.419				
6 PCB-1016						U
1		3.623			ND	
1		4.447				
1		4.624				
1		4.700				
1		5.132				
2		4.810				
2		5.458				
2		5.662				
2		6.420				
2		6.635				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
7 PCB-1248						U
1		3.965			ND	
1		5.133				
1		5.723				
1		6.060				
1		6.698				
2		5.966				
2		6.421				
2		7.094				
2		7.183				
2		7.629				
8 PCB-1254						
1	5.664	5.654	0.010	25665568H	0.5688	
1	6.058	6.046	0.012	38269346H	0.6220	
1	6.706	6.693	0.013	26262356H	0.3051	
1	7.194	7.182	0.012	18302349H	0.2843	
1	8.088	8.083	0.005	48105728H	0.7451	
		Average of Peak Amounts =			0.5051	
2	7.180	7.166	0.014	19113135H	0.4922	
2	0.000	7.528	-7.528	0H	0	
2	8.490	8.475	0.015	21512789H	0.3052	
2	8.922	8.910	0.012	11751893H	0.2181	
2	9.828	9.853	-0.025	56098811H	0.8822	
		Average of Peak Amounts =			0.4744	
					RPD = 6.25	
9 PCB-1260						
1	0.000	7.013	-7.013	0H	0	
1	0.000	7.527	-7.527	0H	0	
1	8.088	8.084	0.004	48105728H	0.6380	
1	9.339	9.331	0.008	92718329H	0.6474	
1	9.806	9.801	0.005	45873679H	0.5777	
		Average of Peak Amounts =			0.6211	
2	0.000	8.856	-8.856	0H	0	
2	0.000	9.238	-9.238	0H	0	
2	9.828	9.856	-0.028	56098811H	0.8339	
2	10.860	10.854	0.006	86546011H	0.6520	
2	11.388	11.387	0.001	46360690H	0.6415	
		Average of Peak Amounts =			0.7091	
					RPD = 13.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
10 PCB-1262						U
1		7.523			ND	
1		8.309				
1		9.329				
1		9.798				
1		9.862				
2		9.233				
2		10.001				
2		10.852				
2		11.378				
2		11.962				
11 PCB-1268						U
1		9.862			ND	
1		9.925				
1		10.229				
1		11.185				
2		11.375				
2		11.441				
2		11.795				
2		12.610				
* 46 PCB-205 (IS)						
1	10.854	10.853	0.002	155925145H	0	
2	12.231	12.228	0.003	133736957H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.454	11.450	0.004	3222868H	0.002299	
2	12.949	12.943	0.006	2390033H	0.002104	
					RPD = 8.84	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

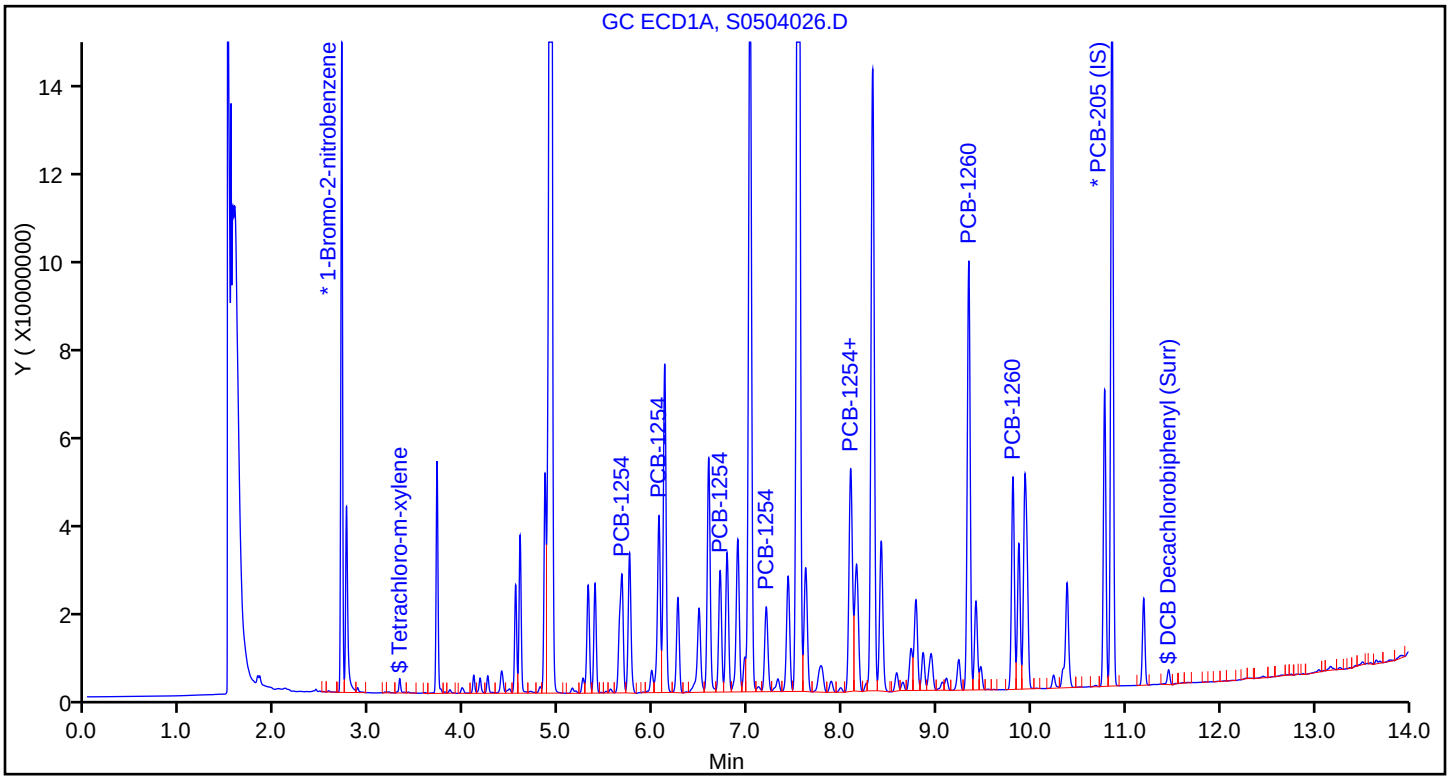
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 05-May-2016 07:04:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

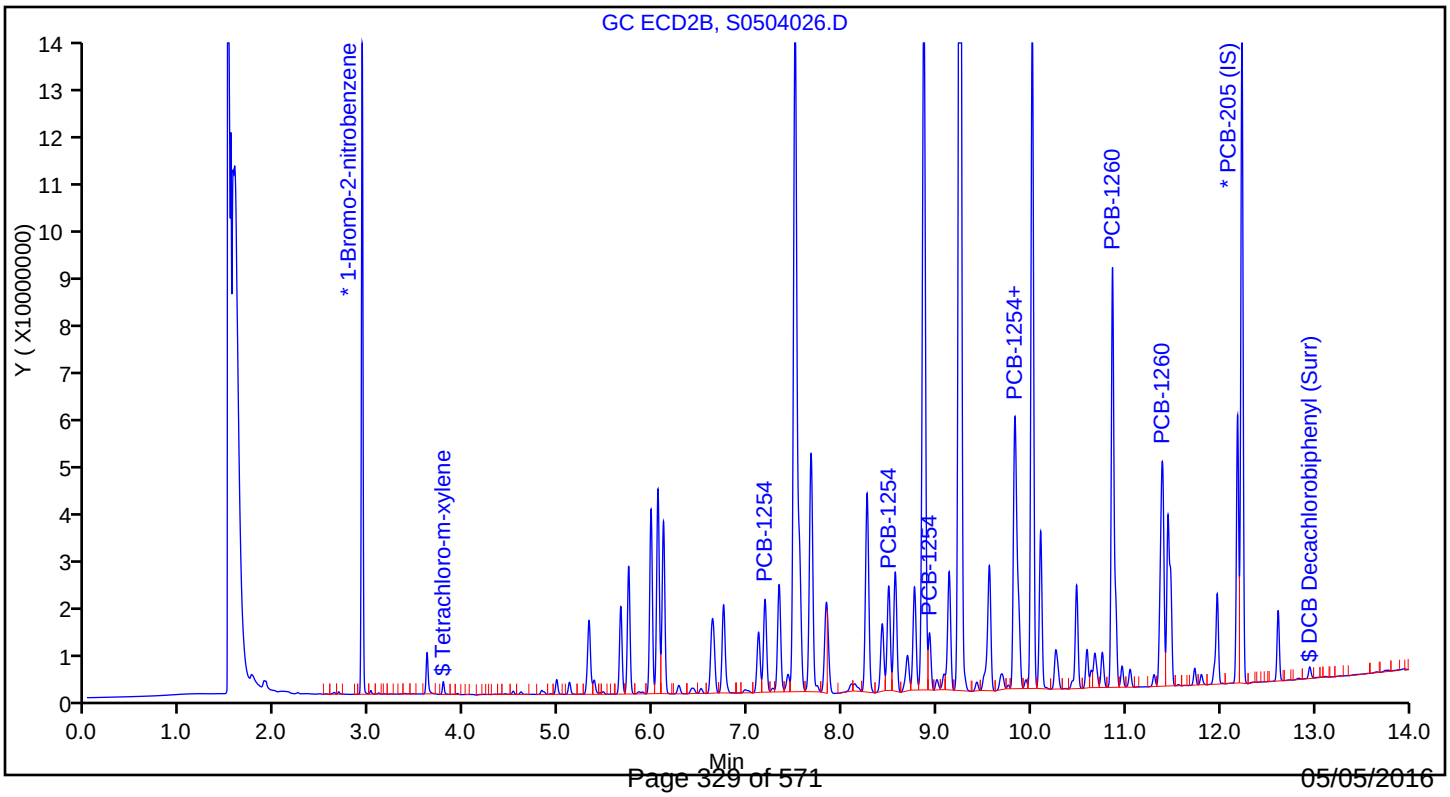
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Injection Date:	04-May-2016 12:54:25	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-5-A	Lab Sample ID:	180-54318-5		
Client ID:	MW-32R_042916				
Operator ID:	402331	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

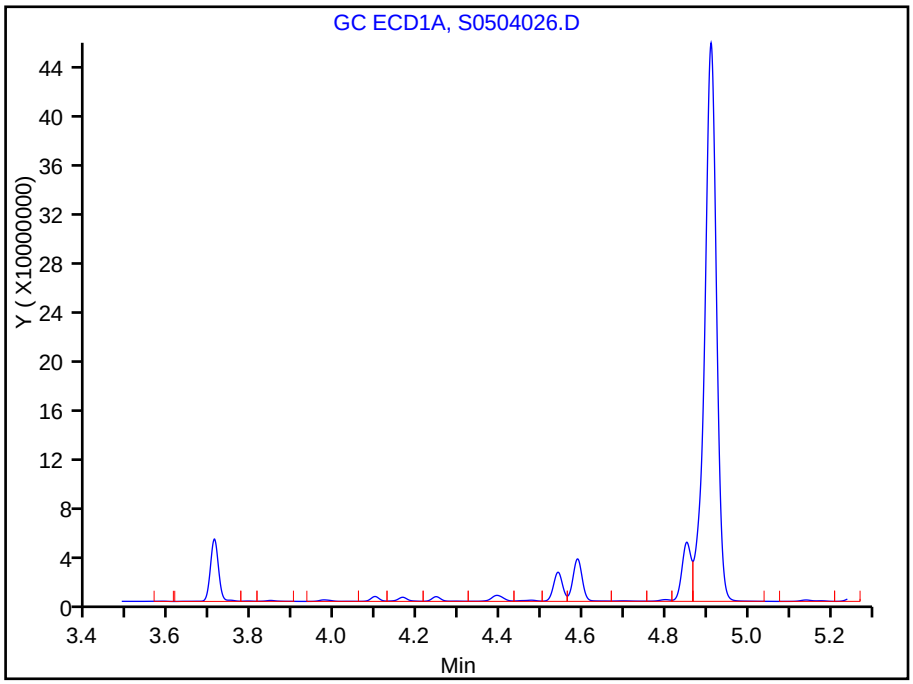
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Injection Date:	04-May-2016 12:54:25	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-5-A	Lab Sample ID:	180-54318-5		
Client ID:	MW-32R_042916				
Operator ID:	402331	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.62	3.58	192894	0.007029
4.45	4.48	942539	0.016544
4.62	4.59	34124380	0.833847
4.70	4.70	391725	0.013025
5.13	5.14	1124174	0.031998
		Average =	0.224323



Reviewer: eppinged, 05-May-2016 07:03:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

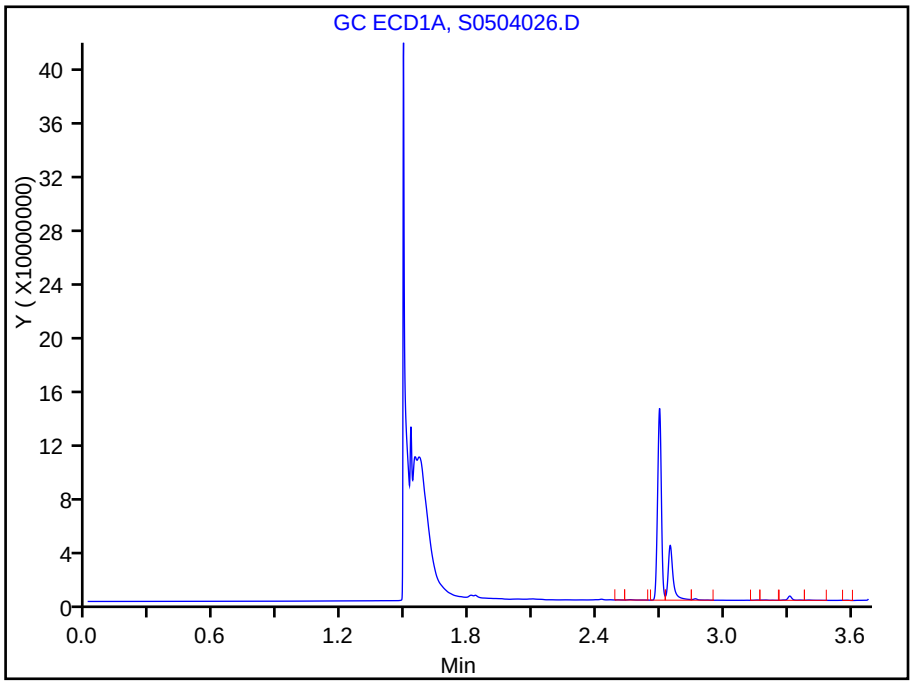
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Injection Date:	04-May-2016 12:54:25	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-5-A	Lab Sample ID:	180-54318-5		
Client ID:	MW-32R_042916				
Operator ID:	402331	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.44	3.40	213026	0.013643
3.58	3.58	192894	0.019121
3.62			
		Average =	0.008015



Reviewer: eppinged, 05-May-2016 07:03:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

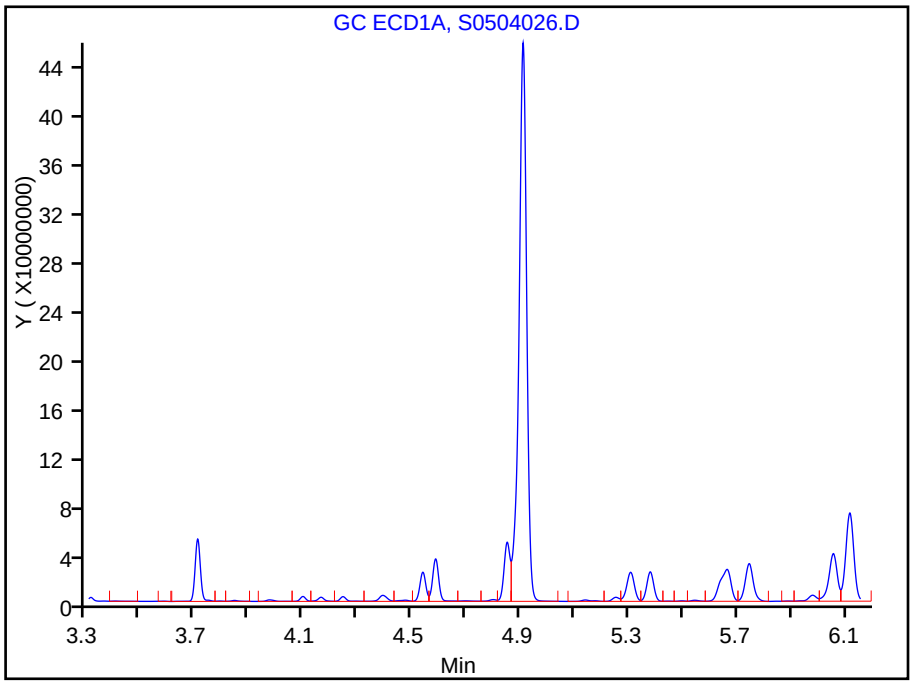
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Injection Date:	04-May-2016 12:54:25	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-5-A	Lab Sample ID:	180-54318-5		
Client ID:	MW-32R_042916				
Operator ID:	402331	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.40	213026	0.017244
3.62	3.58	192894	0.005731
4.47	4.48	942539	0.026917
4.62	4.59	34124380	1.640506
6.05	6.06	38269346	2.071421
		Average =	0.501475



Reviewer: eppinged, 05-May-2016 07:03:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

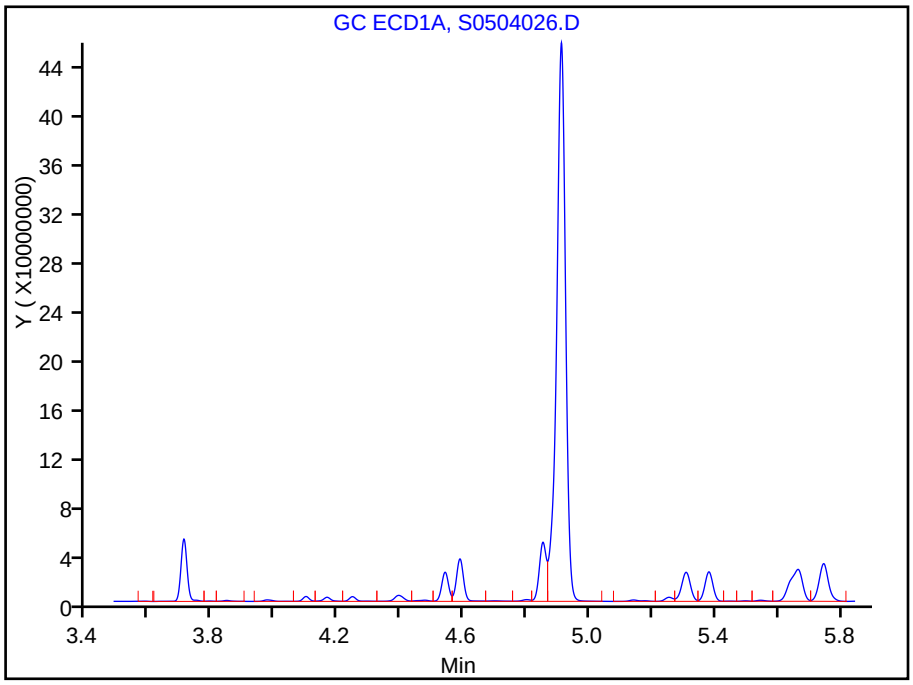
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Injection Date:	04-May-2016 12:54:25	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-5-A	Lab Sample ID:	180-54318-5		
Client ID:	MW-32R_042916				
Operator ID:	402331	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.62	3.58	192894	0.008743
3.96	3.97	1207054	0.037444
4.47	4.48	942539	0.016517
5.13	5.14	1124174	0.038715
5.76	5.75	30297351	0.997215
		Average =	0.192766



Reviewer: eppinged, 05-May-2016 07:03:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

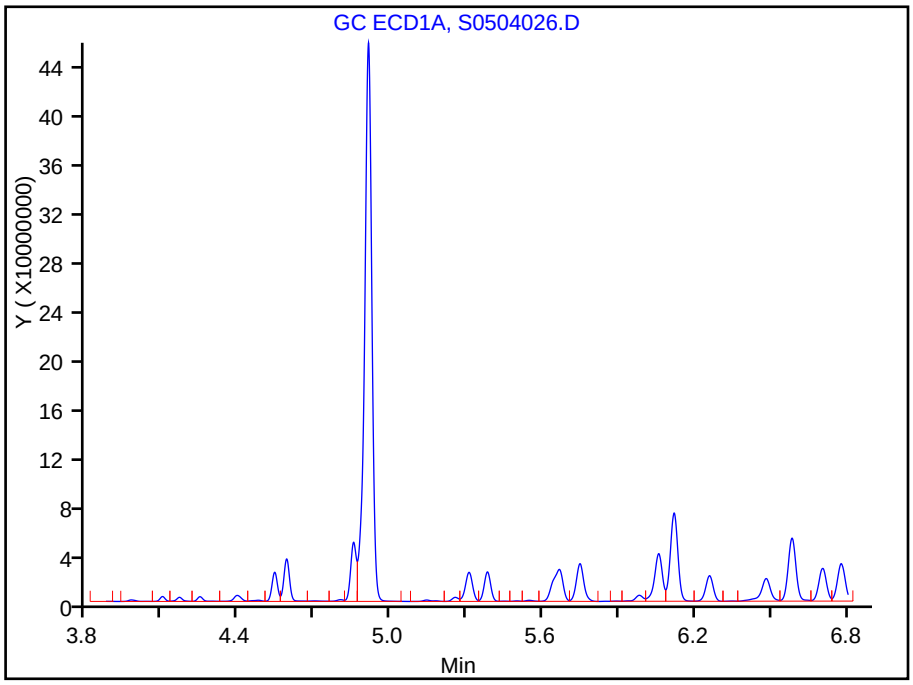
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Injection Date:	04-May-2016 12:54:25	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-5-A	Lab Sample ID:	180-54318-5		
Client ID:	MW-32R_042916				
Operator ID:	402331	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.97	3.97	1207054	0.062761
5.13	5.14	1124174	0.024942
5.72	5.75	30297351	0.575827
6.06	6.06	38269346	1.085334
6.70	6.71	26262356	1.007318
		Average =	0.651453



Reviewer: eppinged, 05-May-2016 07:03:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-32R_042916 | Lab Sample ID: 180-54318-5

Matrix: Water | Lab File ID: S0504026.D

Analysis Method: 8082A | Date Collected: 04/29/2016 11:10

Extraction Method: 3510C | Date Extracted: 05/03/2016 13:30

Sample wt/vol: 960(mL) | Date Analyzed: 05/04/2016 12:54

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11096-82-5	Arochlor 1260	7.4		0.10	0.030

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	105		43-138
877-09-8	Tetrachloro-m-xylene	90		34-137

TestAmerica Pittsburgh

Target Compound Quantitation Report

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Lims ID:	180-54318-A-5-A				
Client ID:	MW-32R_042916				
Sample Type:	Client				
Inject. Date:	04-May-2016 12:54:25	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Sample Info:	180-0011678-027				
Operator ID:	402331	Instrument ID:	CHGC10		
Method:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m				
Limit Group:	GCS 8082A ICAL with IS				
Last Update:	05-May-2016 07:03:48	Calib Date:	19-Apr-2016 11:55:32		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	XAWRK034				

First Level Reviewer: eppinged Date: 05-May-2016 07:03:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.698	2.693	0.005	140448948	H 0.1000	
2	2.914	2.910	0.005	134225938	H 0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.312	3.307	0.005	3114381	H 0.001847	
2	3.774	3.768	0.006	2636720	H 0.001797	
					RPD = 2.75	
3 PCB-1221						U
1		3.444			ND	
1		3.579				
1		3.618				
2		4.063				
2		4.225				
2		4.299				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
4 PCB-1232						U
1		3.447			ND	
1		3.622				
1		4.468				
1		4.622				
1		6.053				
2		4.066				
2		4.302				
2		4.807				
2		5.455				
2		5.657				
5 PCB-1242						U
1		3.623			ND	
1		3.965				
1		4.471				
1		5.132				
1		5.764				
2		4.304				
2		4.809				
2		5.457				
2		5.661				
2		6.419				
6 PCB-1016						U
1		3.623			ND	
1		4.447				
1		4.624				
1		4.700				
1		5.132				
2		4.810				
2		5.458				
2		5.662				
2		6.420				
2		6.635				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
7 PCB-1248						U
1		3.965			ND	
1		5.133				
1		5.723				
1		6.060				
1		6.698				
2		5.966				
2		6.421				
2		7.094				
2		7.183				
2		7.629				
8 PCB-1254						
1	5.664	5.654	0.010	25665568H	0.5688	
1	6.058	6.046	0.012	38269346H	0.6220	
1	6.706	6.693	0.013	26262356H	0.3051	
1	7.194	7.182	0.012	18302349H	0.2843	
1	8.088	8.083	0.005	48105728H	0.7451	
		Average of Peak Amounts =			0.5051	
2	7.180	7.166	0.014	19113135H	0.4922	
2	0.000	7.528	-7.528	0H	0	
2	8.490	8.475	0.015	21512789H	0.3052	
2	8.922	8.910	0.012	11751893H	0.2181	
2	9.828	9.853	-0.025	56098811H	0.8822	
		Average of Peak Amounts =			0.4744	
					RPD = 6.25	
9 PCB-1260						
1	0.000	7.013	-7.013	0H	0	
1	0.000	7.527	-7.527	0H	0	
1	8.088	8.084	0.004	48105728H	0.6380	
1	9.339	9.331	0.008	92718329H	0.6474	
1	9.806	9.801	0.005	45873679H	0.5777	
		Average of Peak Amounts =			0.6211	
2	0.000	8.856	-8.856	0H	0	
2	0.000	9.238	-9.238	0H	0	
2	9.828	9.856	-0.028	56098811H	0.8339	
2	10.860	10.854	0.006	86546011H	0.6520	
2	11.388	11.387	0.001	46360690H	0.6415	
		Average of Peak Amounts =			0.7091	
					RPD = 13.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
10 PCB-1262						U
1		7.523			ND	
1		8.309				
1		9.329				
1		9.798				
1		9.862				
2		9.233				
2		10.001				
2		10.852				
2		11.378				
2		11.962				
11 PCB-1268						U
1		9.862			ND	
1		9.925				
1		10.229				
1		11.185				
2		11.375				
2		11.441				
2		11.795				
2		12.610				
* 46 PCB-205 (IS)						
1	10.854	10.853	0.002	155925145H	0	
2	12.231	12.228	0.003	133736957H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.454	11.450	0.004	3222868H	0.002299	
2	12.949	12.943	0.006	2390033H	0.002104	
					RPD = 8.84	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

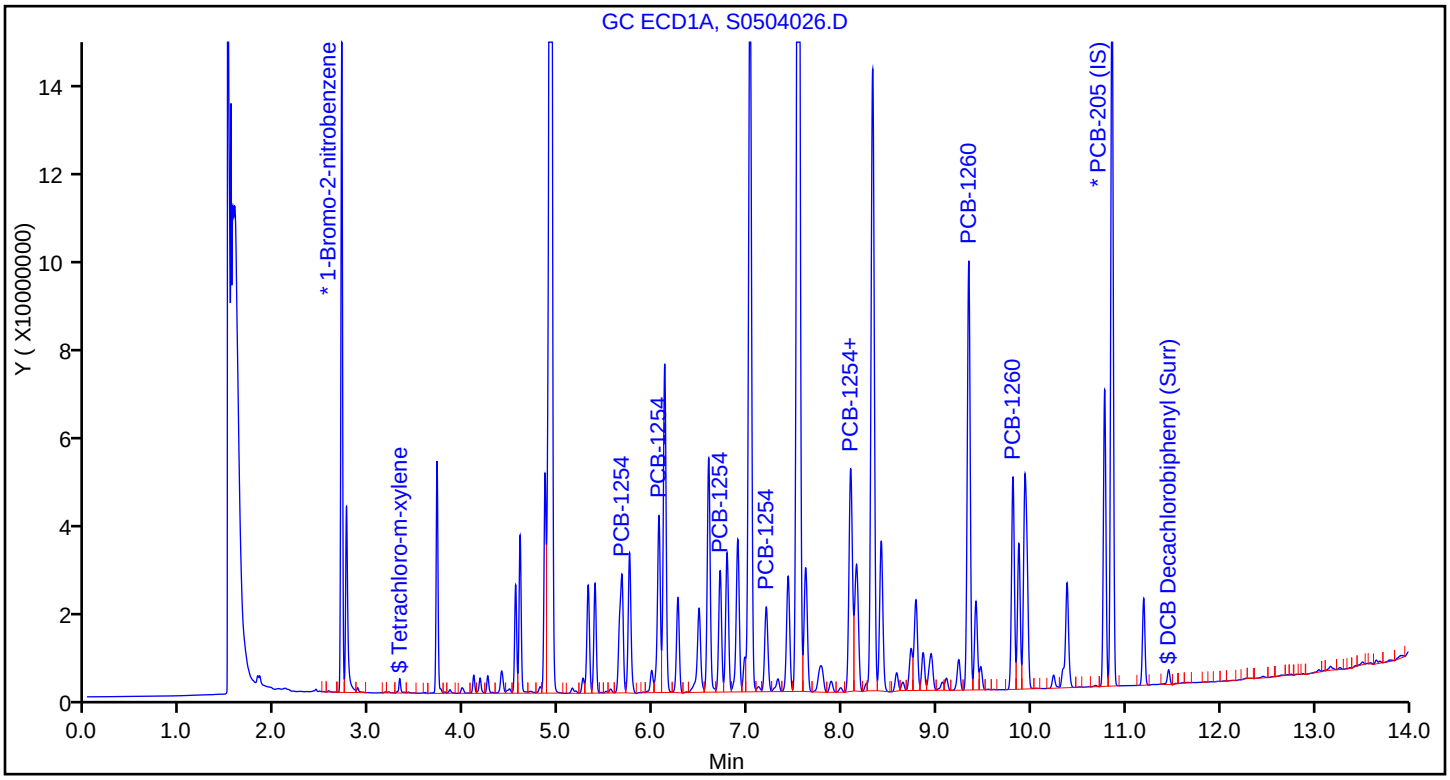
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 05-May-2016 07:04:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

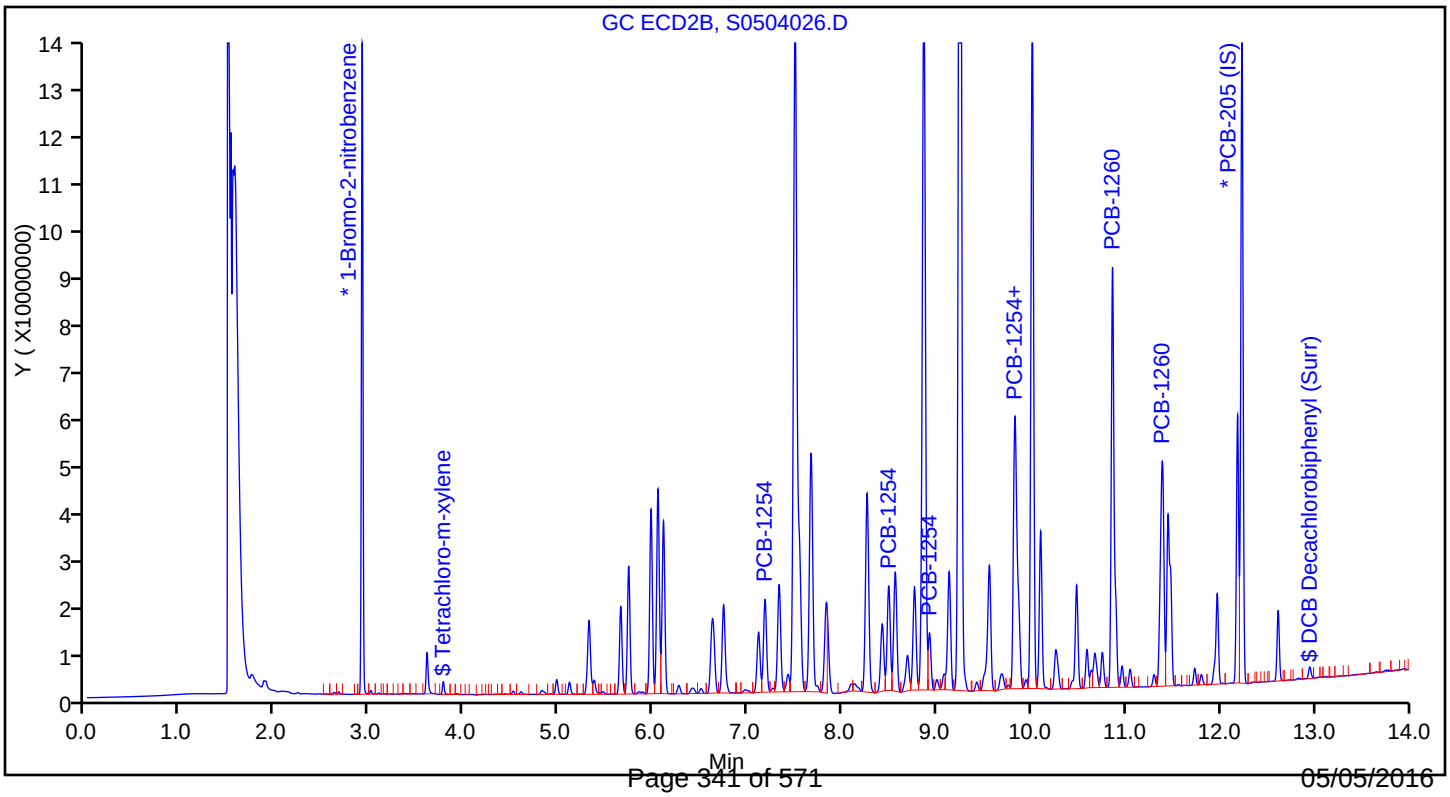
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Injection Date:	04-May-2016 12:54:25	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-5-A	Lab Sample ID:	180-54318-5		
Client ID:	MW-32R_042916				
Operator ID:	402331	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

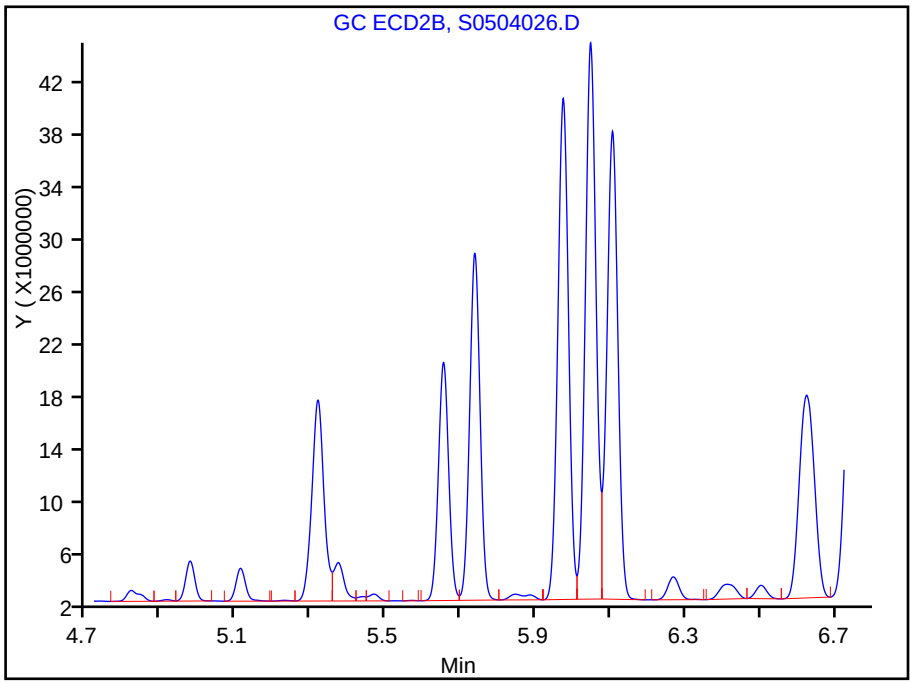
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Injection Date:	04-May-2016 12:54:25	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-5-A	Lab Sample ID:	180-54318-5		
Client ID:	MW-32R_042916				
Operator ID:	402331	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.81	4.82	825737	0.027753
5.46	5.47	513993	0.009533
5.66	5.65	18056974	0.587977
6.42	6.41	1122670	0.041299
6.63	6.63	15385423	0.674226
		Average =	0.224323



Reviewer: eppinged, 05-May-2016 07:03:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

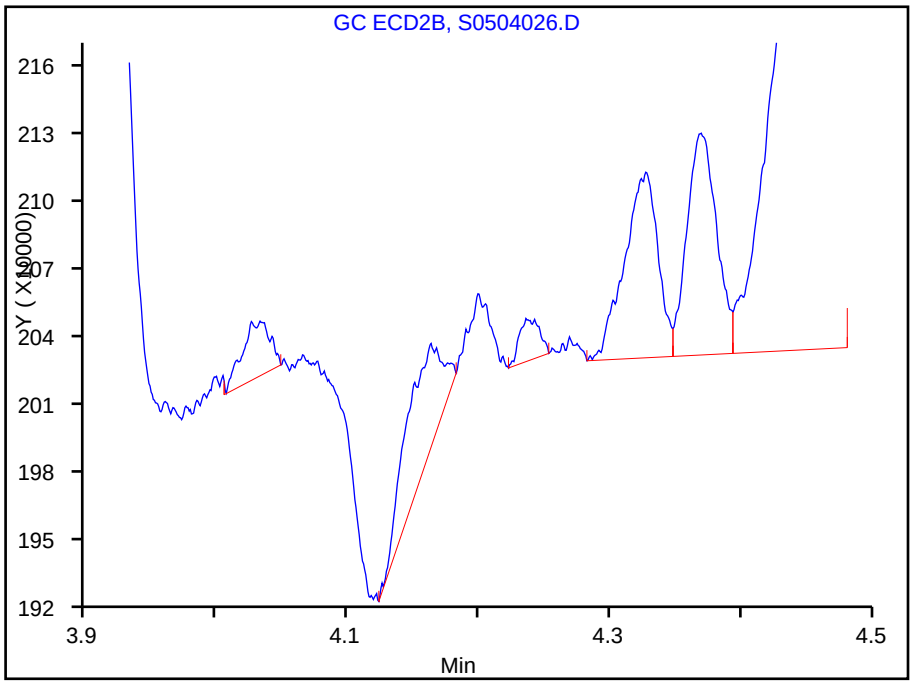
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Injection Date:	04-May-2016 12:54:25	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-5-A	Lab Sample ID:	180-54318-5		
Client ID:	MW-32R_042916				
Operator ID:	402331	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.06	4.03	24015	0.001907
4.23	4.24	18947	0.002271
4.30	4.33	81509	0.003134
		Average =	0.008015



Reviewer: eppinged, 05-May-2016 07:03:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

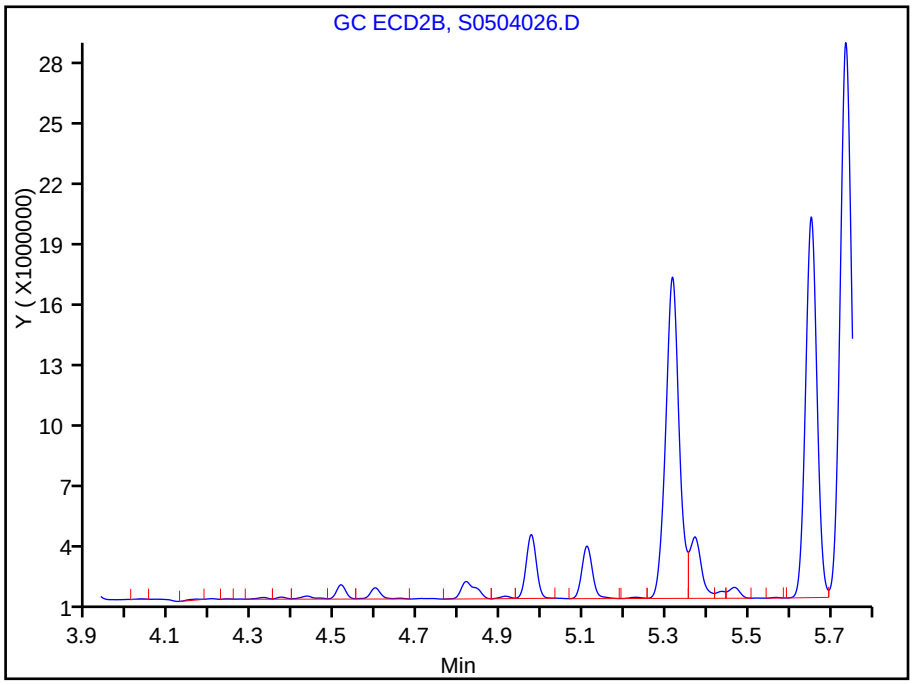
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Injection Date:	04-May-2016 12:54:25	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-5-A	Lab Sample ID:	180-54318-5		
Client ID:	MW-32R_042916				
Operator ID:	402331	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.03	24015	0.002417
4.30	4.33	81509	0.003208
4.81	4.82	825737	0.054568
5.45	5.47	513993	0.019173
5.66	5.65	18056974	1.173569
		Average =	0.501475



Reviewer: eppinged, 05-May-2016 07:03:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

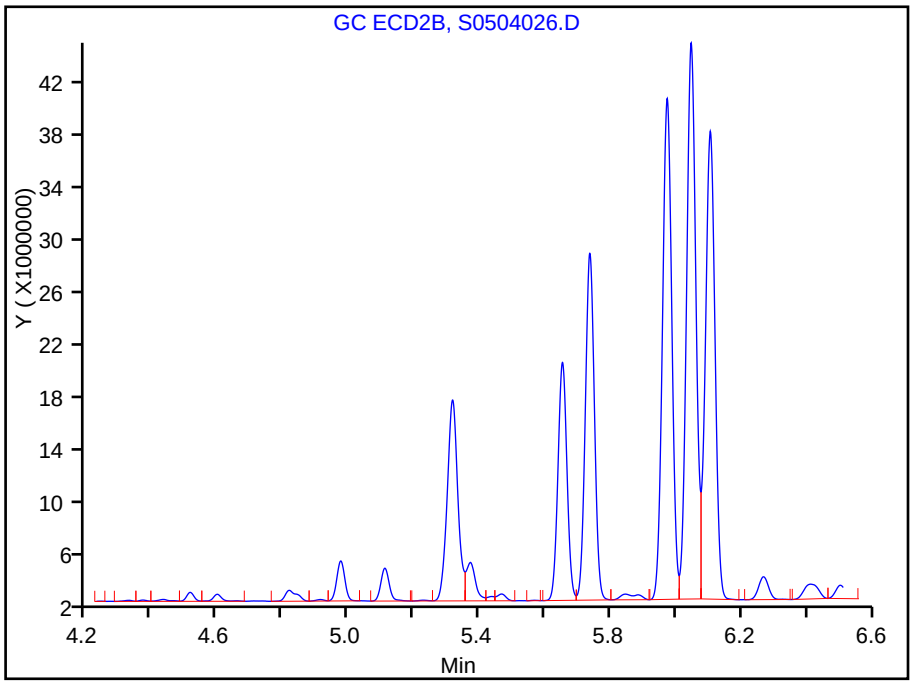
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Injection Date:	04-May-2016 12:54:25	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-5-A	Lab Sample ID:	180-54318-5		
Client ID:	MW-32R_042916				
Operator ID:	402331	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.30	4.33	81509	0.004745
4.81	4.82	825737	0.034674
5.46	5.47	513993	0.011729
5.66	5.65	18056974	0.728210
6.42	6.41	1122670	0.049670
		Average =	0.192766



Reviewer: eppinged, 05-May-2016 07:03:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

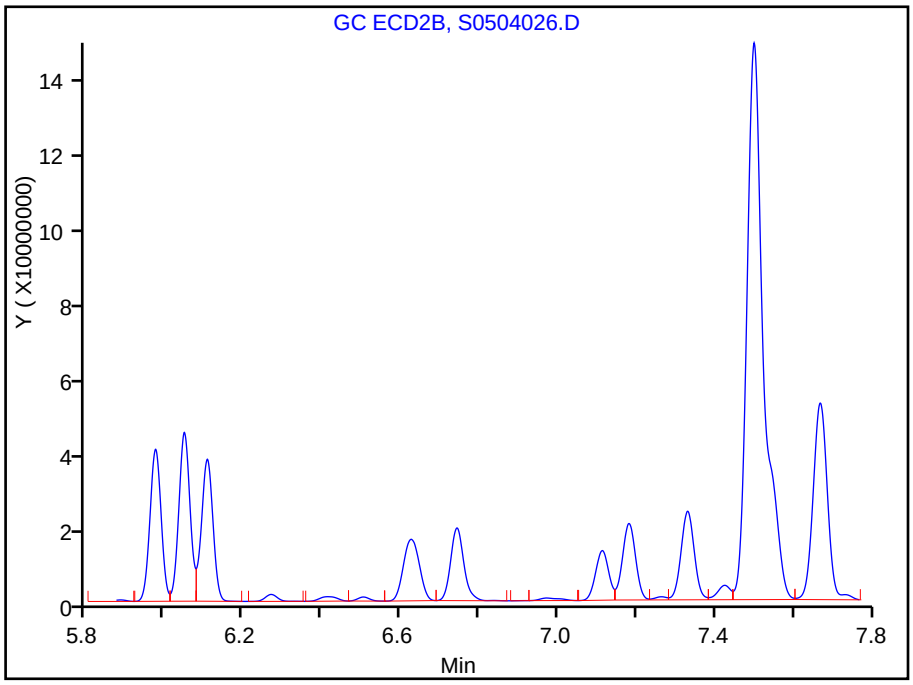
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504026.D				
Injection Date:	04-May-2016 12:54:25	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-5-A	Lab Sample ID:	180-54318-5		
Client ID:	MW-32R_042916				
Operator ID:	402331	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
5.97	5.97	38009014	1.350818
6.42	6.41	1122670	0.031842
7.09	7.11	12405566	0.312180
7.18	7.18	19113135	0.465443
7.63	7.67	49134146	1.598071
		Average =	0.651453



Reviewer: eppinged, 05-May-2016 07:03:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-34R2_042916 | Lab Sample ID: 180-54318-6

Matrix: Water | Lab File ID: S0504022.D

Analysis Method: 8082A | Date Collected: 04/29/2016 10:10

Extraction Method: 3510C | Date Extracted: 05/03/2016 13:30

Sample wt/vol: 960(mL) | Date Analyzed: 05/04/2016 11:40

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.0038	U	0.010	0.0038
11104-28-2	Arochlor 1221	0.0061	U	0.010	0.0061
11141-16-5	Arochlor 1232	0.0063	U	0.010	0.0063
53469-21-9	Arochlor 1242	0.0035	U	0.010	0.0035
12672-29-6	Arochlor 1248	0.0033	U	0.010	0.0033
11097-69-1	Arochlor 1254	0.0046	U	0.010	0.0046

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	101		43-138
877-09-8	Tetrachloro-m-xylene	124		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D
Lims ID: 180-54318-A-6-A
Client ID: MW-34R2_042916
Sample Type: Client
Inject. Date: 04-May-2016 11:40:36 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-022
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 12:00:13 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

First Level Reviewer: oravecj Date: 04-May-2016 12:00:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.693	2.693	0.000	88060867H	0.1000	
2	2.913	2.910	0.004	92044334H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.315	3.307	0.008	26120216H	0.0247	
2	3.773	3.768	0.005	16684764H	0.0166	
					RPD = 39.36	
3 PCB-1221						U
1		3.444			ND	
1		3.579				
1		3.618				
2		4.063				
2		4.225				
2		4.299				
4 PCB-1232						U
1		3.447			ND	
1		3.622				
1		4.468				
1		4.622				
1		6.053				
2		4.066				
2		4.302				
2		4.807				
2		5.455				
2		5.657				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.623			ND	
1		3.965				
1		4.471				
1		5.132				
1		5.764				
2		4.304				
2		4.809				
2		5.457				
2		5.661				
2		6.419				
6	PCB-1016					U
1		3.623			ND	
1		4.447				
1		4.624				
1		4.700				
1		5.132				
2		4.810				
2		5.458				
2		5.662				
2		6.420				
2		6.635				
7	PCB-1248					U
1		3.965			ND	
1		5.133				
1		5.723				
1		6.060				
1		6.698				
2		5.966				
2		6.421				
2		7.094				
2		7.183				
2		7.629				
8	PCB-1254					U
1		5.654			ND	
1		6.046				
1		6.693				
1		7.182				
1		8.083				
2		7.166				
2		7.528				
2		8.475				
2		8.910				
2		9.853				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						
1	7.008	7.013	-0.005	1228457H	0.0312	
1	7.528	7.527	0.001	1363947H	0.0238	
1	8.083	8.084	-0.001	694004H	0.0147	
1	9.330	9.331	-0.001	1182336H	0.0132	
1	9.802	9.801	0.001	594644H	0.0119	
		Average of Peak Amounts =			0.0190	
2	8.850	8.856	-0.006	1025360H	0.0271	
2	0.000	9.238	-9.238	0H	0	
2	9.851	9.856	-0.005	1127580H	0.0244	
2	10.858	10.854	0.004	1244707H	0.0137	
2	11.388	11.387	0.001	1002398H	0.0202	
		Average of Peak Amounts =			0.0214	
					RPD = 11.95	
10 PCB-1262						U
1		7.523			ND	
1		8.309				
1		9.329				
1		9.798				
1		9.862				
2		9.233				
2		10.001				
2		10.852				
2		11.378				
2		11.962				
11 PCB-1268						U
1		9.862			ND	
1		9.925				
1		10.229				
1		11.185				
2		11.375				
2		11.441				
2		11.795				
2		12.610				
* 46 PCB-205 (IS)						
1	10.851	10.853	-0.002	110300799H	0	
2	12.229	12.228	0.002	99581967H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.450	11.450	0.000	17708928H	0.0201	
2	12.947	12.943	0.004	13812762H	0.0177	
					RPD = 12.74	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

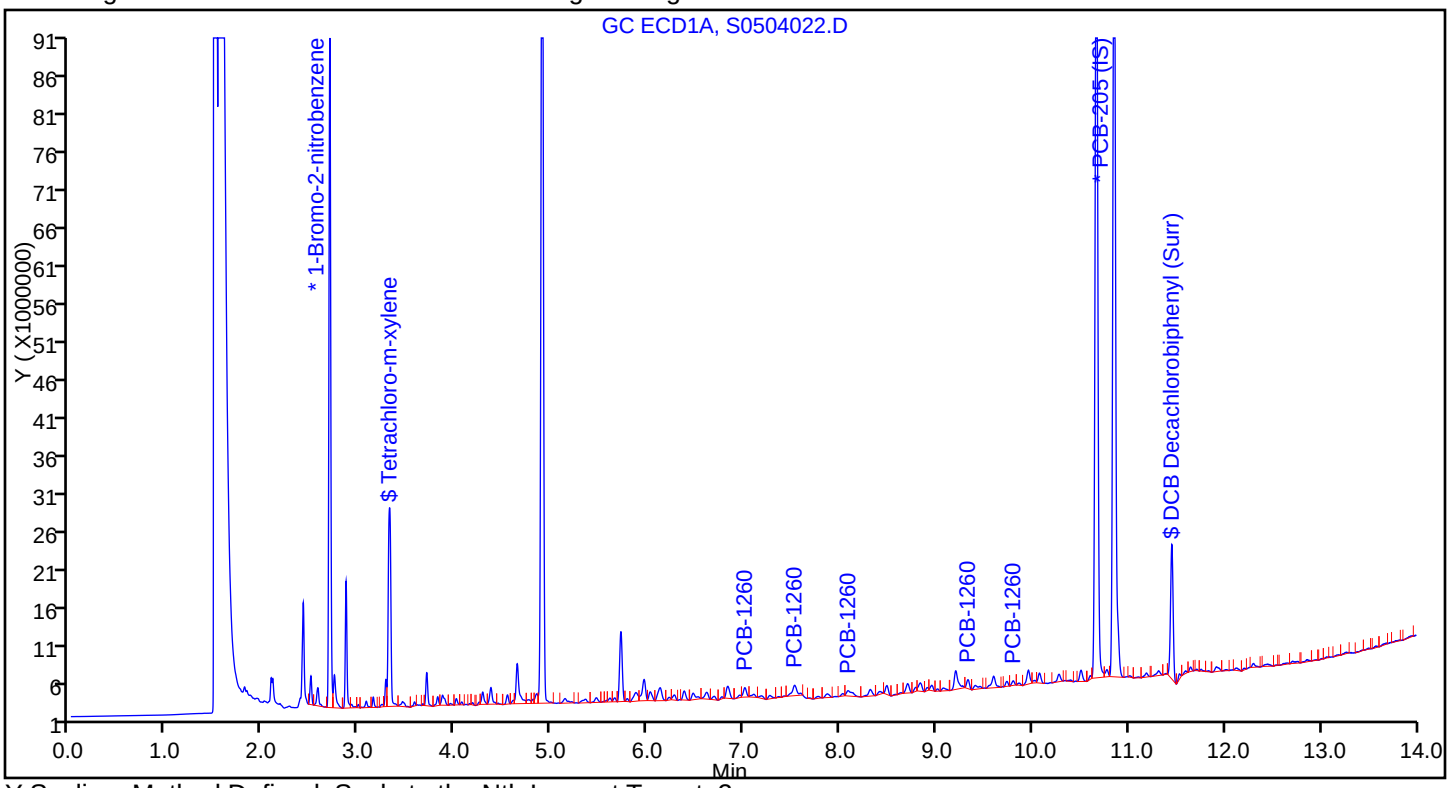
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 04-May-2016 12:00:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

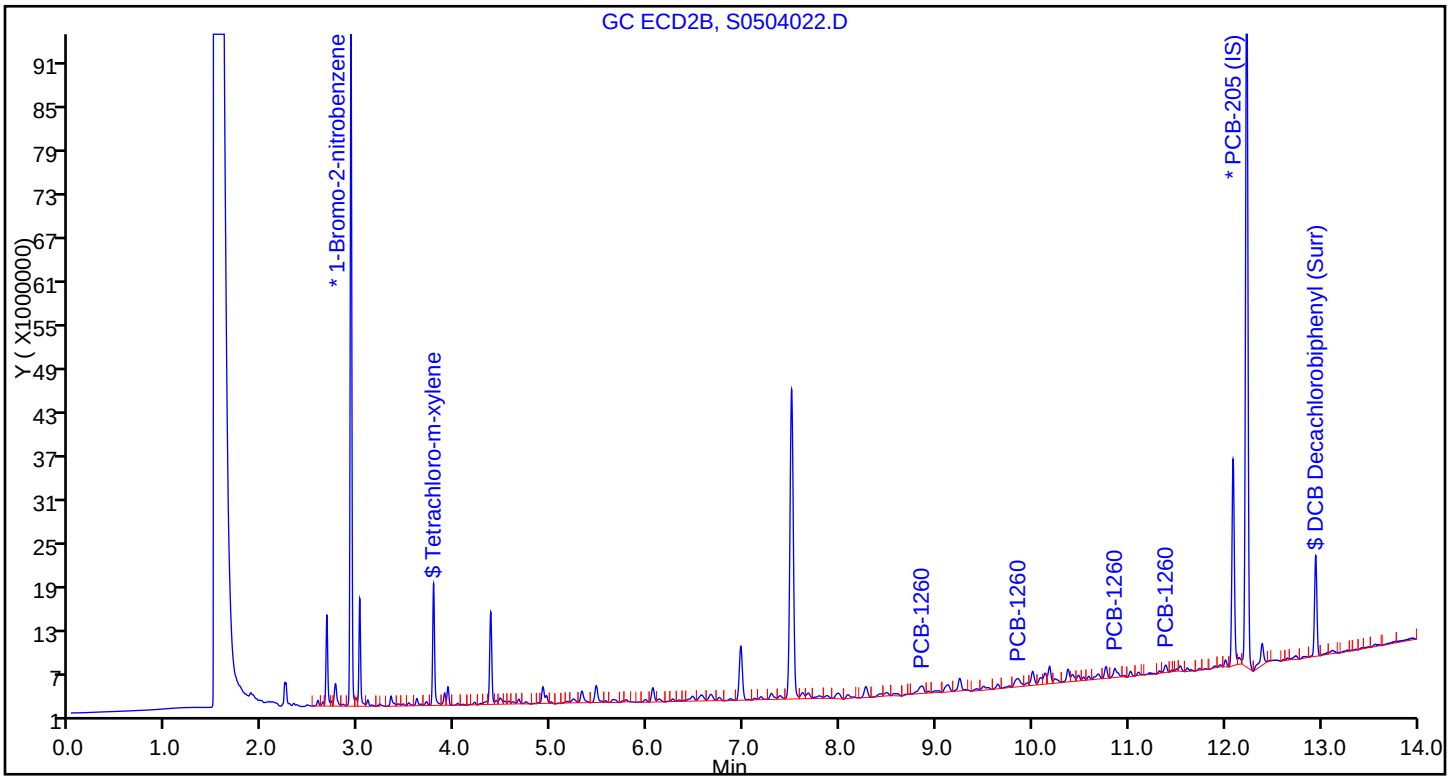
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

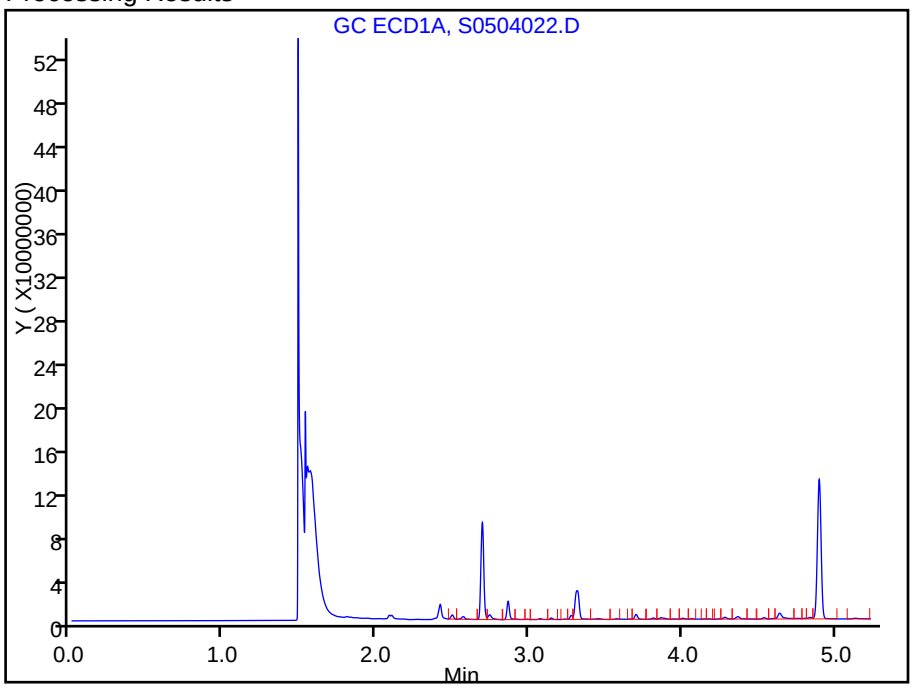
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.62	3.66	236176	0.013725
4.45	4.44	137389	0.003846
4.62	4.64	5265486	0.205209
4.70			
5.13	5.14	599669	0.027223
		Average =	0.044340



Reviewer: oravecj, 04-May-2016 12:00:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

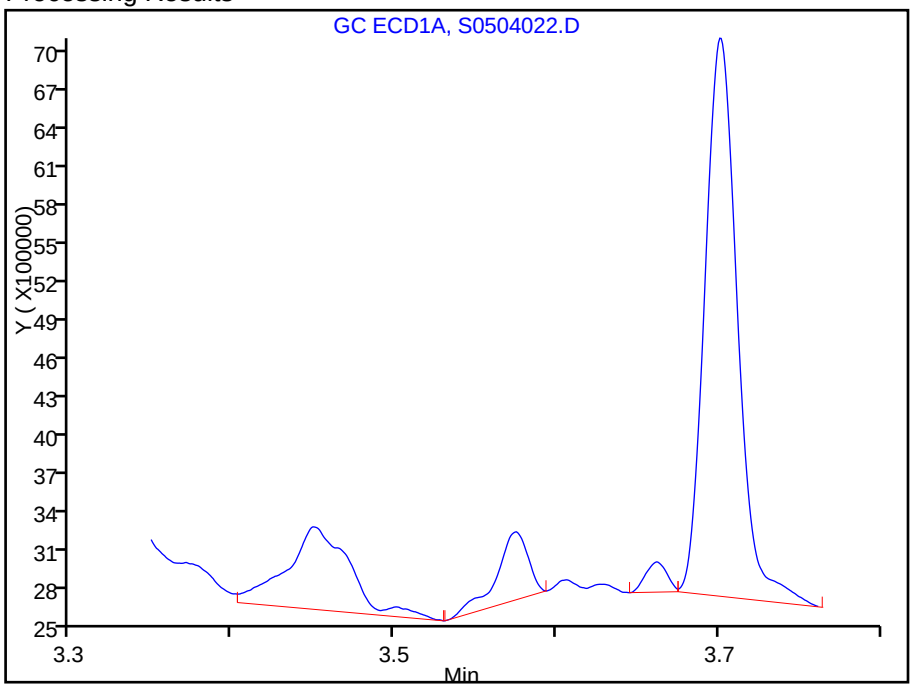
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.44	3.45	643646	0.065745
3.58	3.58	530592	0.083886
3.62	3.66	236176	0.010712
		Average =	0.043709



Reviewer: oravecj, 04-May-2016 12:00:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

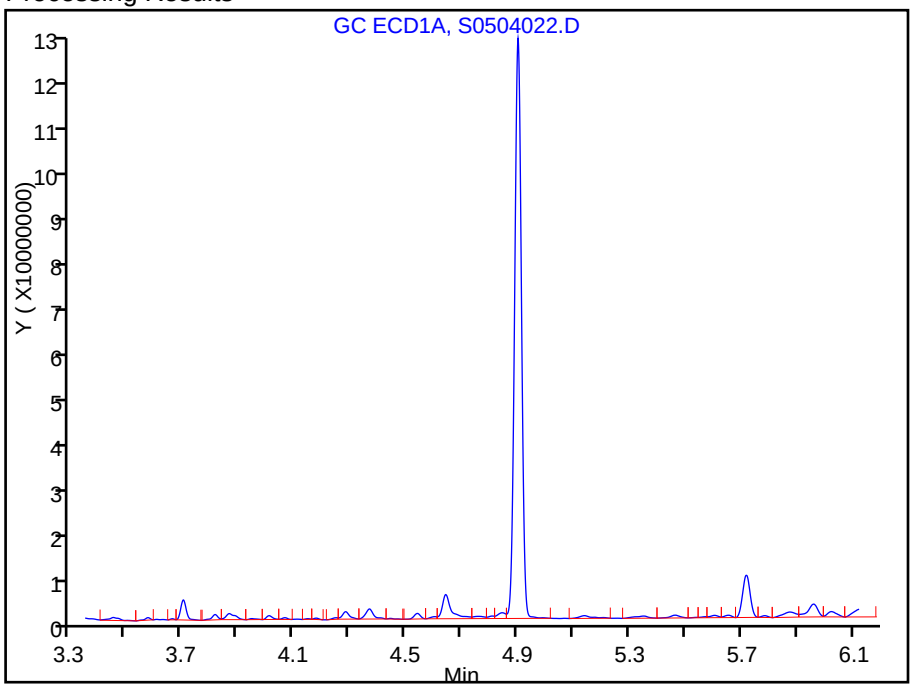
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.45	643646	0.083096
3.62	3.66	236176	0.011191
4.47	4.44	137389	0.006258
4.62	4.60	462396	0.035454
6.05	6.03	1154923	0.099702
		Average =	0.044999



Reviewer: oravecj, 04-May-2016 12:00:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

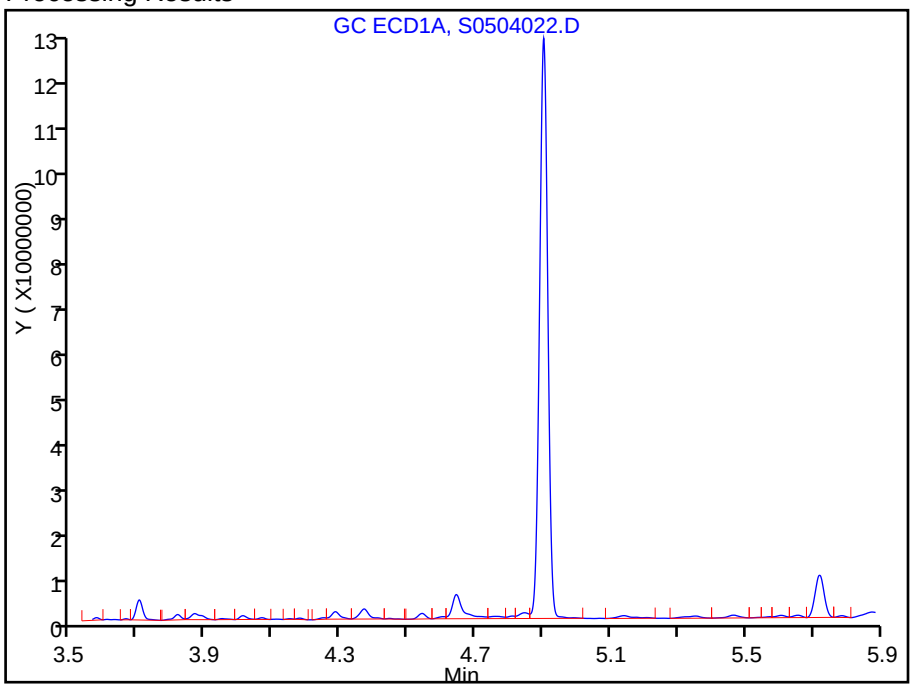
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.62	3.66	236176	0.017073
3.96	3.95	219479	0.010859
4.47	4.44	137389	0.003840
5.13	5.14	599669	0.032938
5.76	5.79	387085	0.020320
		Average =	0.023550



Reviewer: oravecj, 04-May-2016 12:00:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

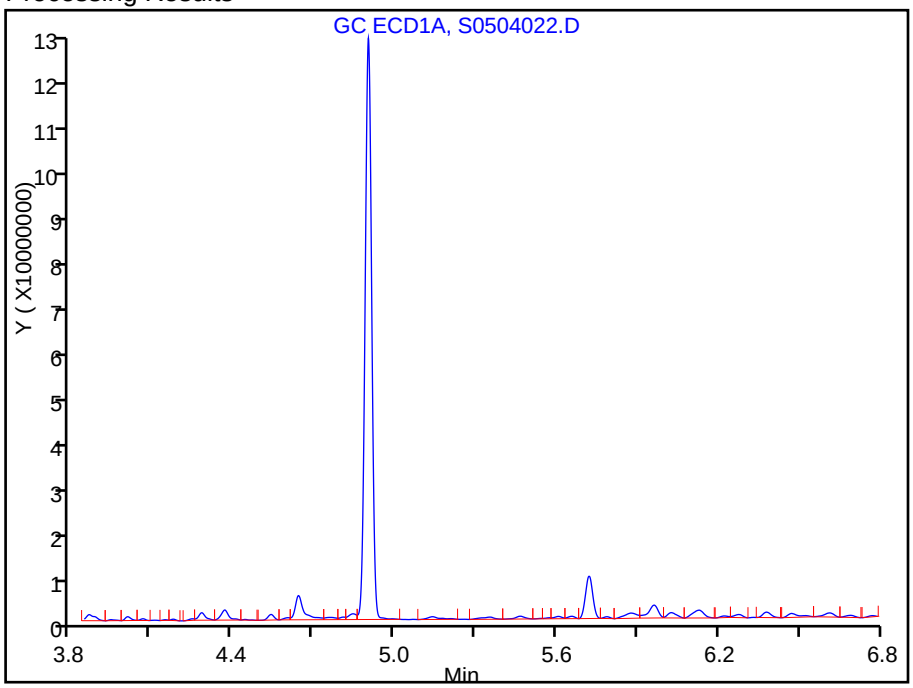
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.97	3.95	219479	0.018201
5.13	5.14	599669	0.021220
5.72	5.72	9190166	0.278578
6.06	6.03	1154923	0.052240
6.70	6.69	458881	0.028072
		Average =	0.048371



Reviewer: oravecj, 04-May-2016 12:00:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

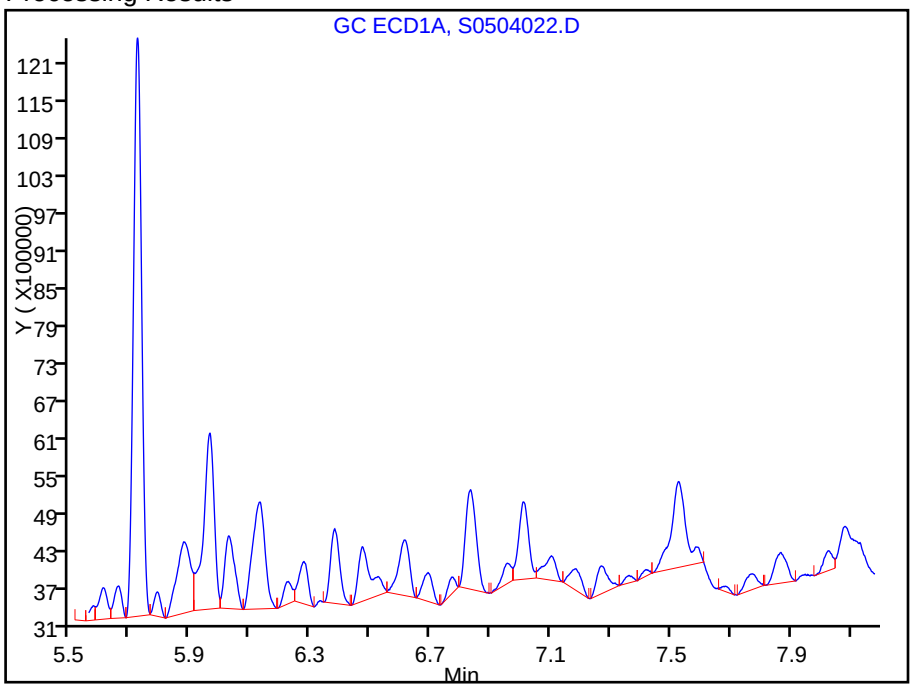
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
5.65	5.66	509798	0.018019
6.05	6.03	1154923	0.029939
6.69	6.69	458881	0.008501
7.18	7.18	342624	0.008488
8.08	8.08	694004	0.017145
		Average =	0.152398



Reviewer: oravecj, 04-May-2016 12:00:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: MW-34R2_042916 | Lab Sample ID: 180-54318-6

Matrix: Water | Lab File ID: S0504022.D

Analysis Method: 8082A | Date Collected: 04/29/2016 10:10

Extraction Method: 3510C | Date Extracted: 05/03/2016 13:30

Sample wt/vol: 960(mL) | Date Analyzed: 05/04/2016 11:40

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11096-82-5	Arochlor 1260	0.022		0.010	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	89		43-138
877-09-8	Tetrachloro-m-xylene	83		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D
Lims ID: 180-54318-A-6-A
Client ID: MW-34R2_042916
Sample Type: Client
Inject. Date: 04-May-2016 11:40:36 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-022
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 12:00:13 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

First Level Reviewer: oravecj Date: 04-May-2016 12:00:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene						
1	2.693	2.693	0.000	88060867H	0.1000	
2	2.913	2.910	0.004	92044334H	0.1000	
$ 2 Tetrachloro-m-xylene						
1	3.315	3.307	0.008	26120216H	0.0247	
2	3.773	3.768	0.005	16684764H	0.0166	
					RPD = 39.36	
3 PCB-1221						U
1		3.444			ND	
1		3.579				
1		3.618				
2		4.063				
2		4.225				
2		4.299				
4 PCB-1232						U
1		3.447			ND	
1		3.622				
1		4.468				
1		4.622				
1		6.053				
2		4.066				
2		4.302				
2		4.807				
2		5.455				
2		5.657				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
5	PCB-1242					U
1		3.623			ND	
1		3.965				
1		4.471				
1		5.132				
1		5.764				
2		4.304				
2		4.809				
2		5.457				
2		5.661				
2		6.419				
6	PCB-1016					U
1		3.623			ND	
1		4.447				
1		4.624				
1		4.700				
1		5.132				
2		4.810				
2		5.458				
2		5.662				
2		6.420				
2		6.635				
7	PCB-1248					U
1		3.965			ND	
1		5.133				
1		5.723				
1		6.060				
1		6.698				
2		5.966				
2		6.421				
2		7.094				
2		7.183				
2		7.629				
8	PCB-1254					U
1		5.654			ND	
1		6.046				
1		6.693				
1		7.182				
1		8.083				
2		7.166				
2		7.528				
2		8.475				
2		8.910				
2		9.853				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng	Flags
9 PCB-1260						
1	7.008	7.013	-0.005	1228457H	0.0312	
1	7.528	7.527	0.001	1363947H	0.0238	
1	8.083	8.084	-0.001	694004H	0.0147	
1	9.330	9.331	-0.001	1182336H	0.0132	
1	9.802	9.801	0.001	594644H	0.0119	
		Average of Peak Amounts =			0.0190	
2	8.850	8.856	-0.006	1025360H	0.0271	
2	0.000	9.238	-9.238	0H	0	
2	9.851	9.856	-0.005	1127580H	0.0244	
2	10.858	10.854	0.004	1244707H	0.0137	
2	11.388	11.387	0.001	1002398H	0.0202	
		Average of Peak Amounts =			0.0214	
					RPD = 11.95	
10 PCB-1262						U
1		7.523			ND	
1		8.309				
1		9.329				
1		9.798				
1		9.862				
2		9.233				
2		10.001				
2		10.852				
2		11.378				
2		11.962				
11 PCB-1268						U
1		9.862			ND	
1		9.925				
1		10.229				
1		11.185				
2		11.375				
2		11.441				
2		11.795				
2		12.610				
* 46 PCB-205 (IS)						
1	10.851	10.853	-0.002	110300799H	0	
2	12.229	12.228	0.002	99581967H	0	
$ 12 DCB Decachlorobiphenyl (Surr)						
1	11.450	11.450	0.000	17708928H	0.0201	
2	12.947	12.943	0.004	13812762H	0.0177	
					RPD = 12.74	
13 1260 Res 2						
1		0.000			ND	
2		0.000				
14 1260 Res 3						
1		0.000			ND	
2		0.000				
15 1260 Res 1						
1		0.000			ND	
2		0.000				

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

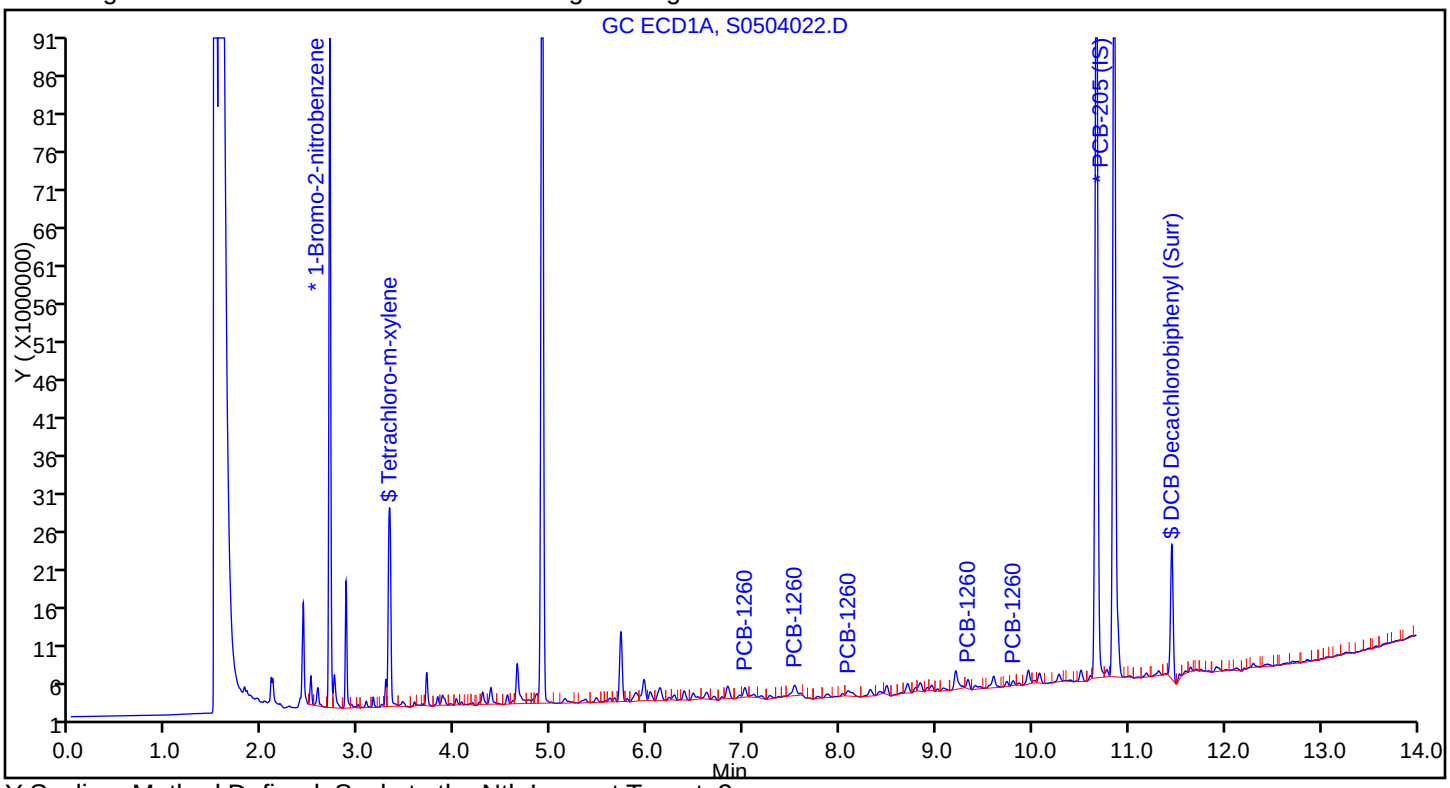
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 04-May-2016 12:01:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

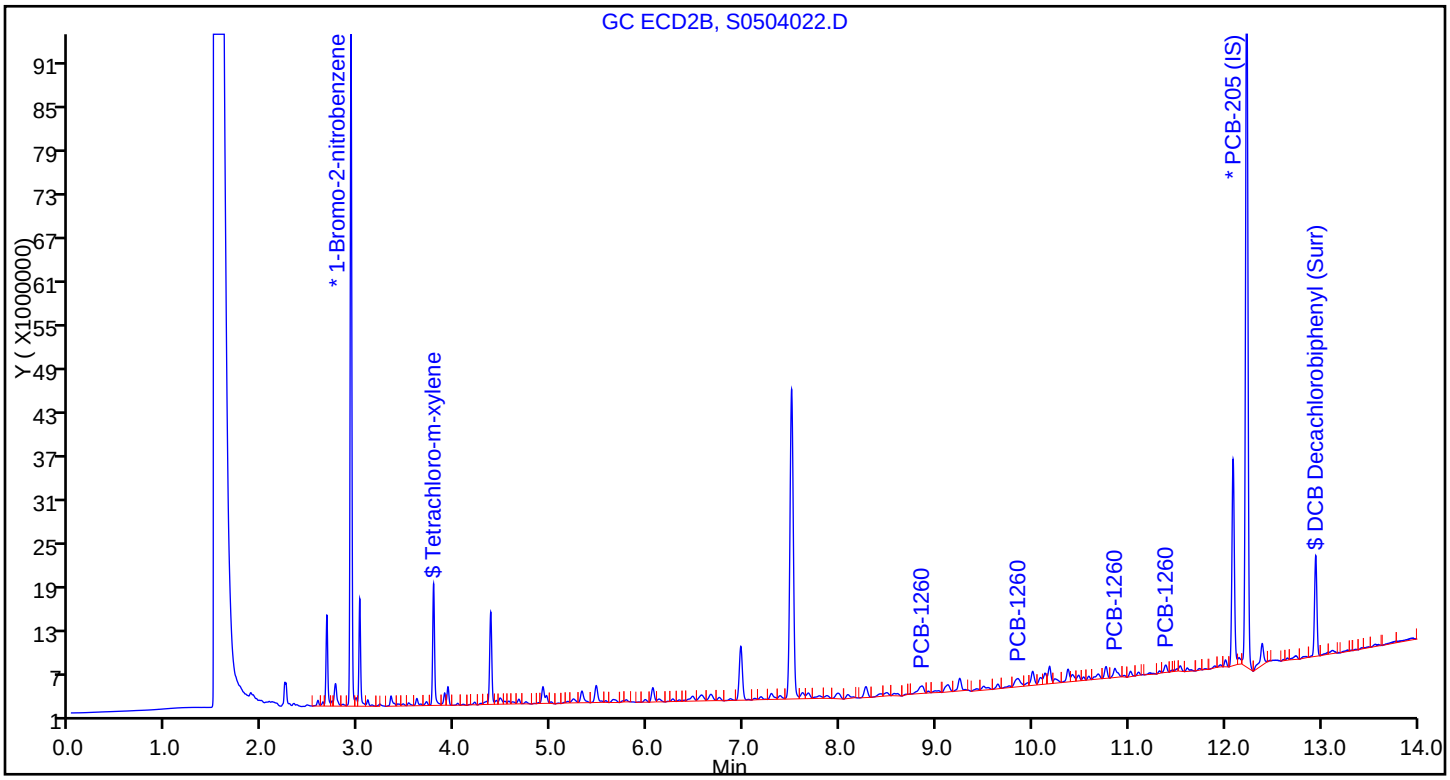
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

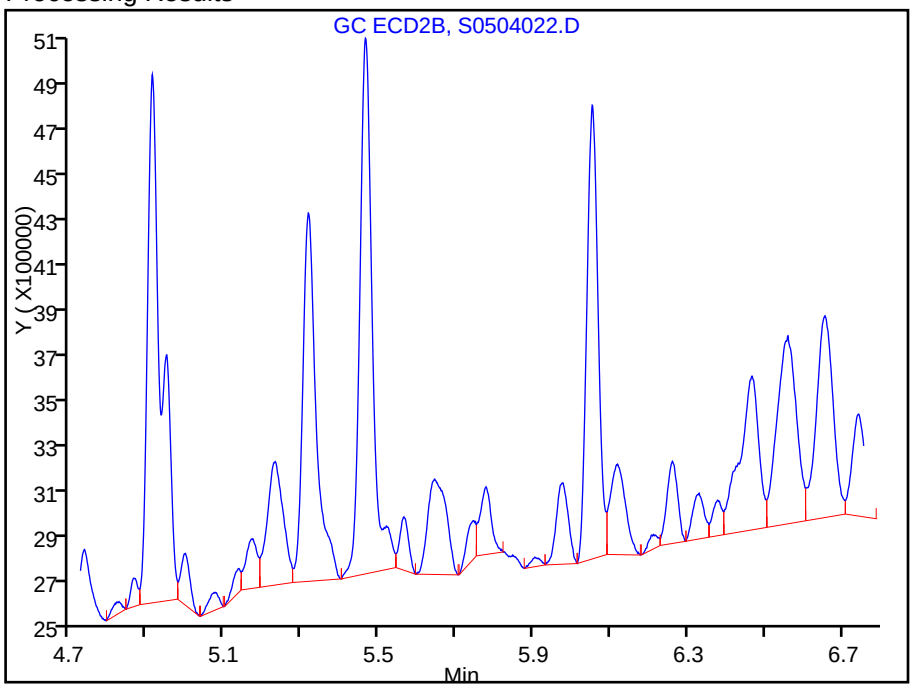
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

6 PCB-1016, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.81	4.82	50604	0.002480
5.46	5.46	2322876	0.062823
5.66	5.64	413686	0.019644
6.42	6.38	154139	0.008269
6.63	6.66	873777	0.055839
		Average =	0.044340



Reviewer: oravecj, 04-May-2016 12:00:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

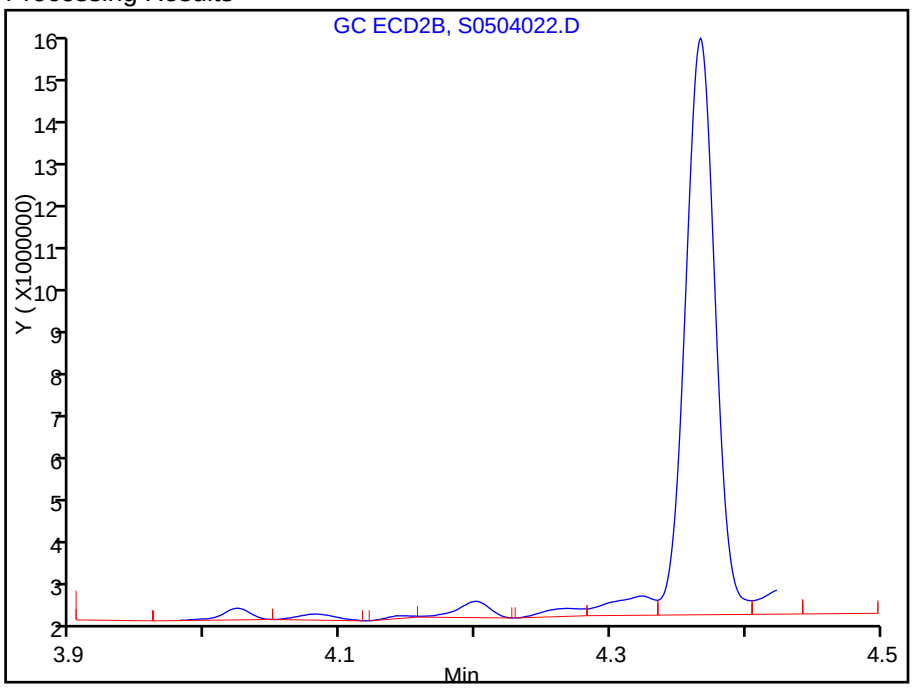
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.06	4.08	133910	0.015503
4.23	4.20	359113	0.062767
4.30	4.32	421689	0.023641
		Average =	0.043709



Reviewer: oravecj, 04-May-2016 12:00:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

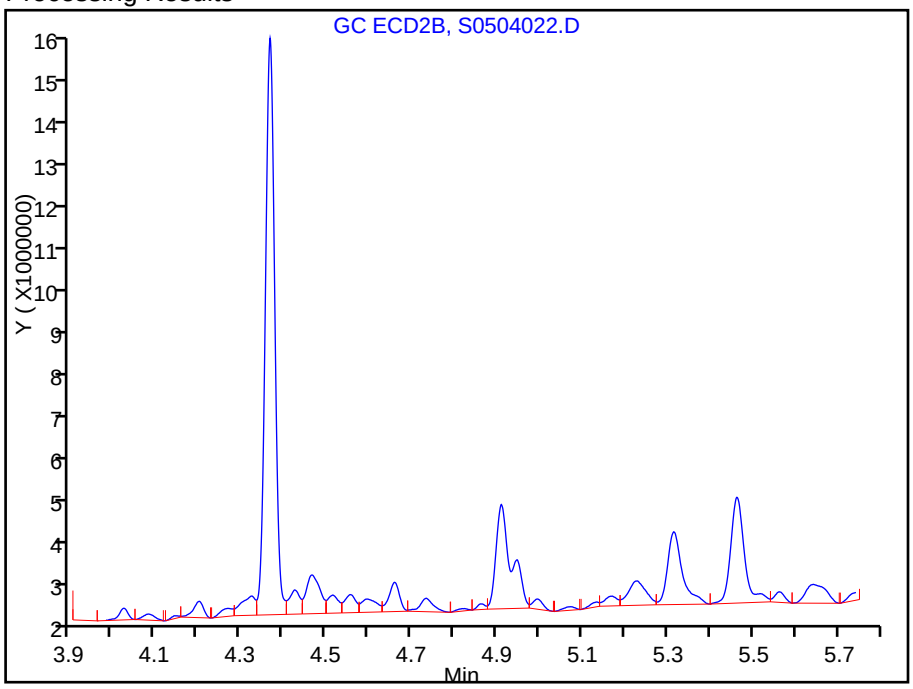
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.08	133910	0.019653
4.30	4.32	421689	0.024201
4.81	4.82	50604	0.004877
5.45	5.46	2322876	0.126355
5.66	5.64	413686	0.039208
		Average =	0.044999



Reviewer: oravecj, 04-May-2016 12:00:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

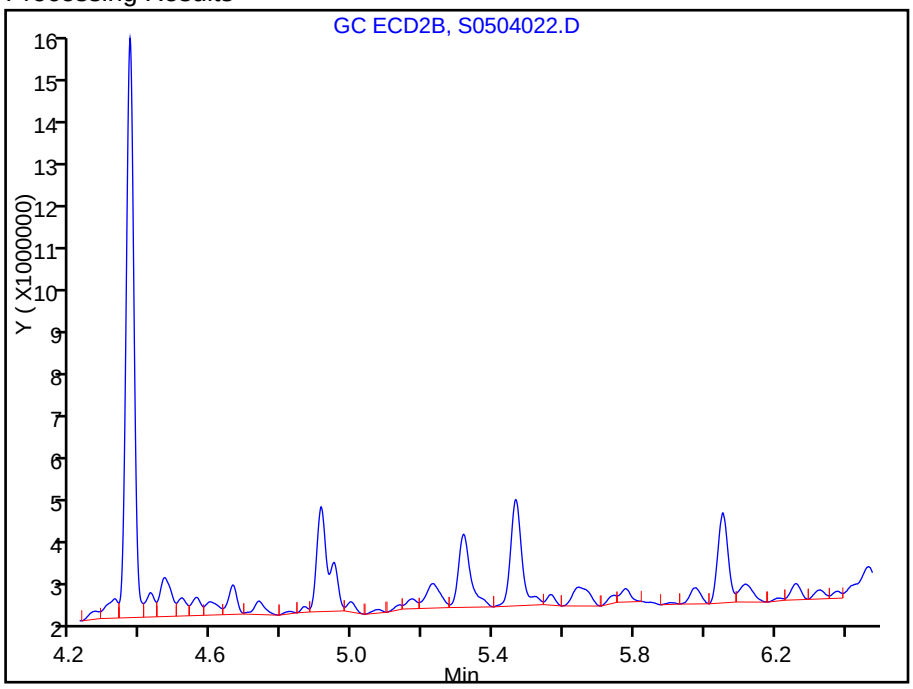
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.30	4.32	421689	0.035798
4.81	4.82	50604	0.003099
5.46	5.46	2322876	0.077296
5.66	5.64	413686	0.024329
6.42	6.38	154139	0.009945
		Average =	0.023550



Reviewer: oravecj, 04-May-2016 12:00:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

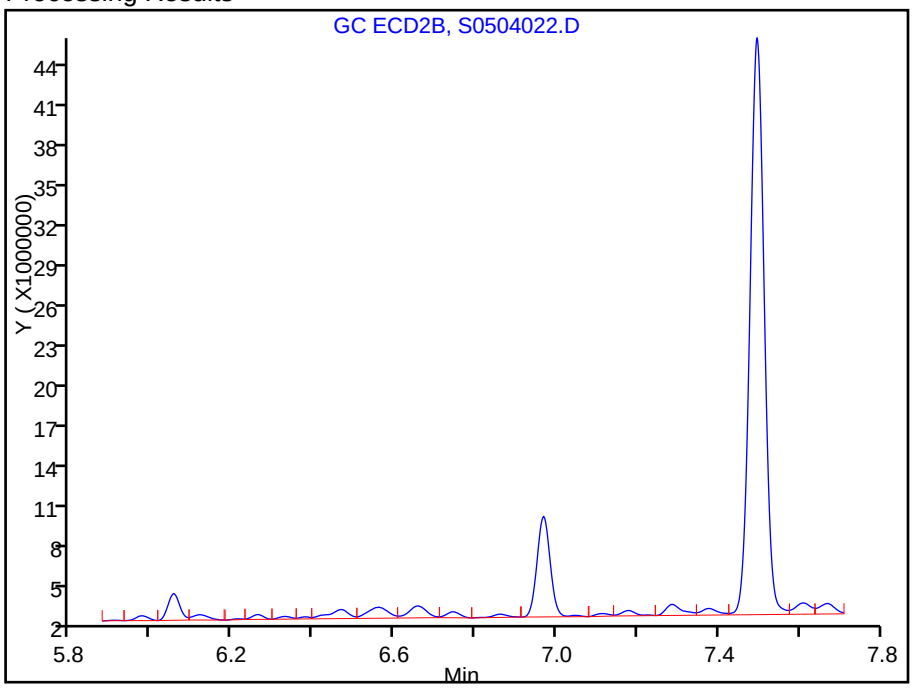
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
5.97	5.98	352362	0.018262
6.42	6.38	154139	0.006375
7.09	7.12	199966	0.007338
7.18	7.18	391837	0.013915
7.63	7.61	832964	0.039507
		Average =	0.048371



Reviewer: oravecj, 04-May-2016 12:00:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

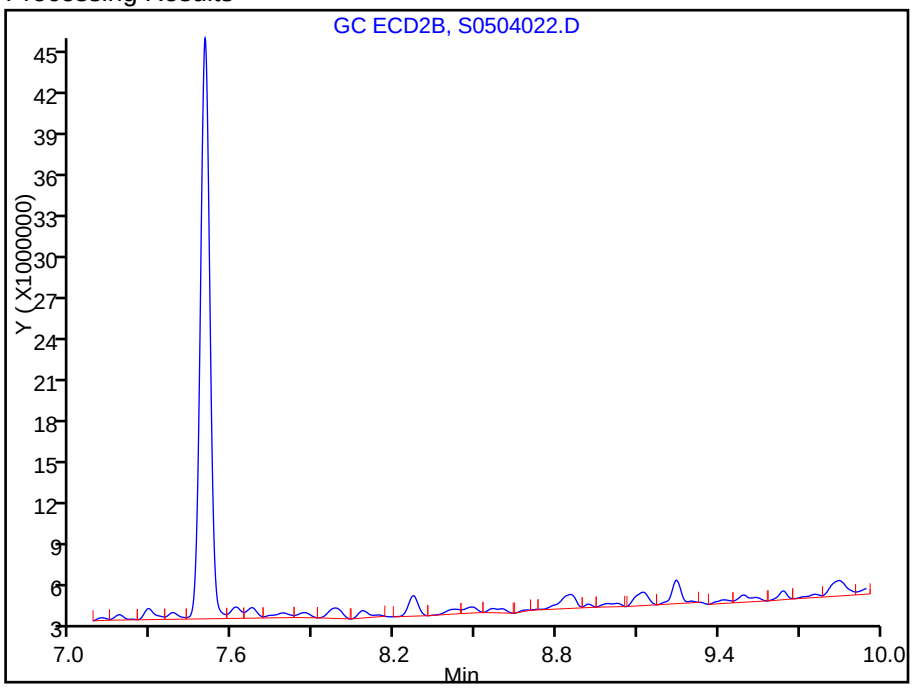
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504022.D				
Injection Date:	04-May-2016 11:40:36	Instrument ID:	CHGC10		
Lims ID:	180-54318-A-6-A	Lab Sample ID:	180-54318-6		
Client ID:	MW-34R2_042916				
Operator ID:	402331	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
7.17	7.18	391837	0.014715
7.53	7.50	42429125	1.385402
8.48	8.48	443358	0.009174
8.91	8.92	248880	0.006736
9.85	9.85	1127580	0.025858
		Average =	0.152398



Reviewer: oravecj, 04-May-2016 12:00:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 08:46 Calibration End Date: 04/19/2016 08:46 Calibration ID: 30280

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/1	S0418005.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0111					Ave		0.0111						20.0			
PCB-1221 Peak 2	0.0072					Ave		0.0072						20.0			
PCB-1221 Peak 3	0.0250					Ave		0.0250						20.0			
PCB-1254 Peak 1	0.0321					Ave		0.0321						20.0			
PCB-1254 Peak 2	0.0438					Ave		0.0438						20.0			
PCB-1254 Peak 3	0.0613					Ave		0.0613						20.0			
PCB-1254 Peak 4	0.0458					Ave		0.0458						20.0			
PCB-1254 Peak 5	0.0460					Ave		0.0460						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 08:46 Calibration End Date: 04/19/2016 08:46 Calibration ID: 30280

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/1	S0418005.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	4467843					0.500				
PCB-1221 Peak 2	BNB	Ave	2886595					0.500				
PCB-1221 Peak 3	BNB	Ave	10061381					0.500				
PCB-1254 Peak 1	BNB	Ave	12911421					0.500				
PCB-1254 Peak 2	BNB	Ave	17604577					0.500				
PCB-1254 Peak 3	BNB	Ave	24634256					0.500				
PCB-1254 Peak 4	BNB	Ave	18422272					0.500				
PCB-1254 Peak 5	BNB	Ave	18473403					0.500				

Curve Type Legend:
Ave = Average ISTD by Height

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418005.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Apr-2016 08:46:53 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-001
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub1

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:18 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 19-Apr-2016 12:50:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.688	2.691	-0.003	80375840H	0.1000	0.1000	
2	2.905	2.908	-0.003	78168040H	0.1000	0.1000	
3 PCB-1221							
1	3.445	3.445	0.000	4467843H	0.5000	0.5000	
1	3.580	3.580	0.000	2886595H	0.5000	0.5000	
1	3.619	3.619	0.000	10061381H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.064	4.064	0.000	3667788H	0.5000	0.5000	
2	4.227	4.227	0.000	2429428H	0.5000	0.5000	
2	4.301	4.301	0.000	7574127H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
8 PCB-1254							
1	5.656	5.656	0.000	12911421H	0.5000	0.5000	
1	6.046	6.046	0.000	17604577H	0.5000	0.5000	
1	6.693	6.693	0.000	24634256H	0.5000	0.5000	
1	7.181	7.181	0.000	18422272H	0.5000	0.5000	
1	8.081	8.081	0.000	18473403H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	7.168	7.168	0.000	11307185H	0.5000	0.5000	
2	7.529	7.529	0.000	13004406H	0.5000	0.5000	
2	8.477	8.477	0.000	20521944H	0.5000	0.5000	
2	8.910	8.910	0.000	15689475H	0.5000	0.5000	
2	9.853	9.853	0.000	18516233H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

GCAR2154CALL4_00012	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:08:19 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418005.D

Injection Date: 19-Apr-2016 08:46:53 Instrument ID: CHGC10

Lims ID: IC

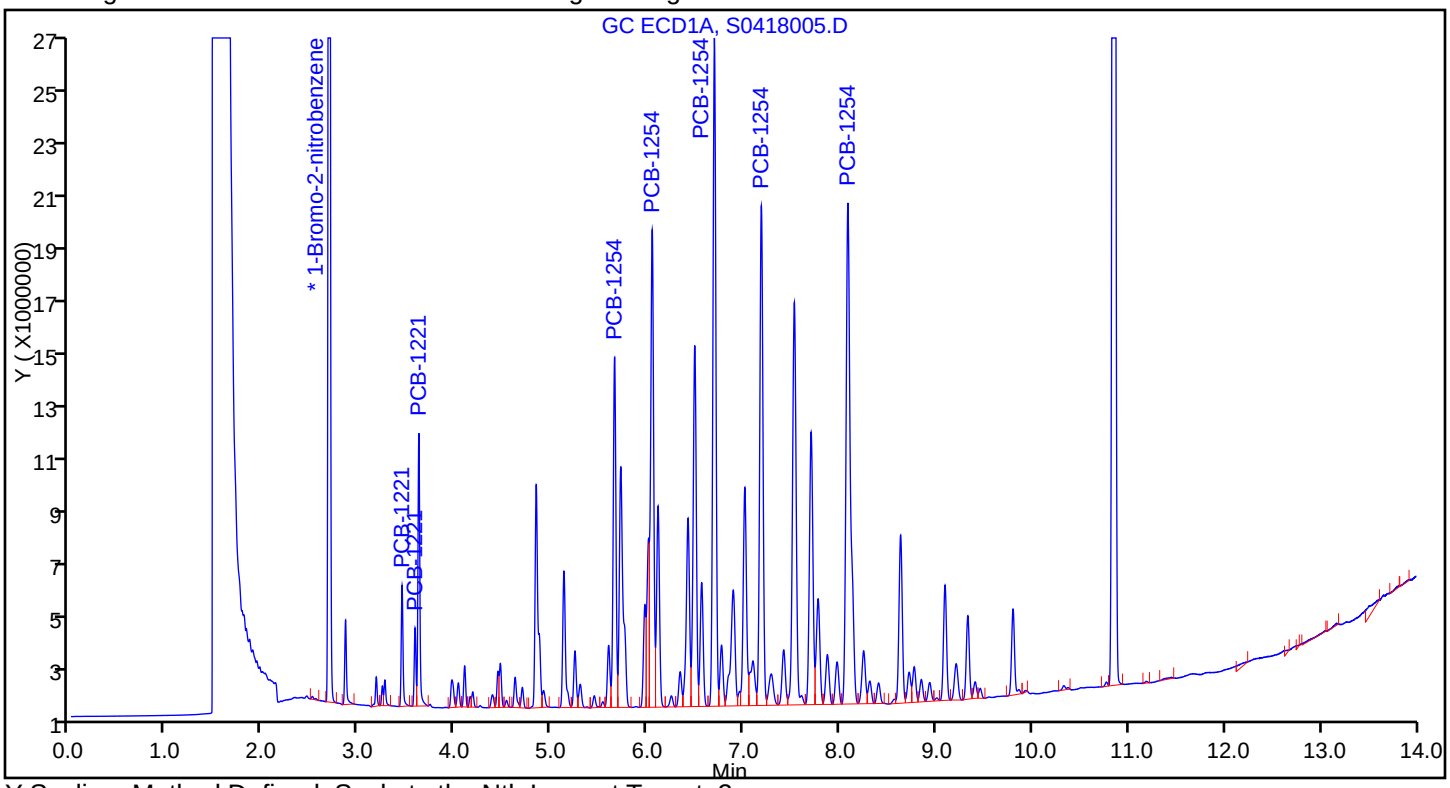
Client ID:

Operator ID: 402331 ALS Bottle#: 1 Worklist Smp#: 1

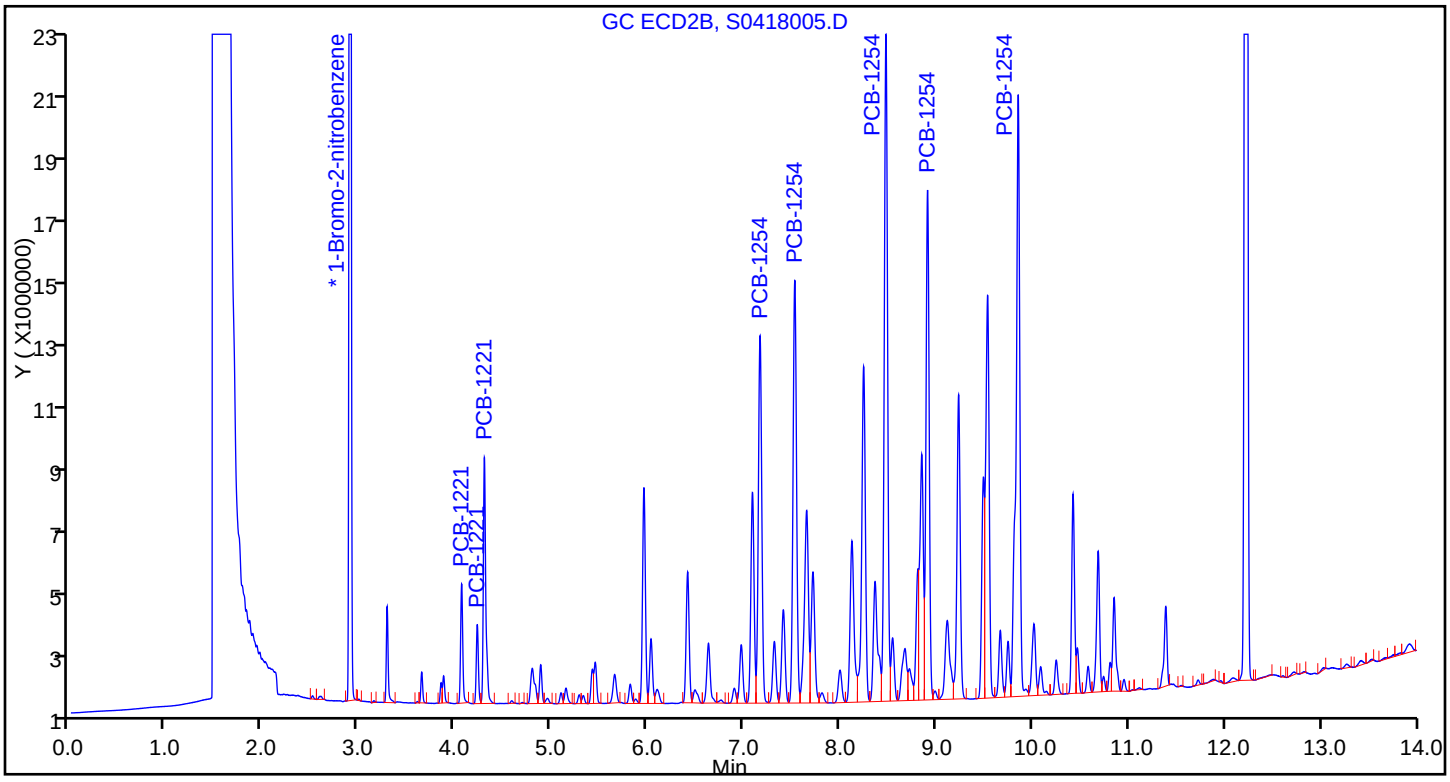
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 08:46 Calibration End Date: 04/19/2016 08:46 Calibration ID: 30281

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/1	S0418005.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0094					Ave		0.0094						20.0			
PCB-1221 Peak 2	0.0062					Ave		0.0062						20.0			
PCB-1221 Peak 3	0.0194					Ave		0.0194						20.0			
PCB-1254 Peak 1	0.0289					Ave		0.0289						20.0			
PCB-1254 Peak 2	0.0333					Ave		0.0333						20.0			
PCB-1254 Peak 3	0.0525					Ave		0.0525						20.0			
PCB-1254 Peak 4	0.0401					Ave		0.0401						20.0			
PCB-1254 Peak 5	0.0474					Ave		0.0474						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 08:46 Calibration End Date: 04/19/2016 08:46 Calibration ID: 30281

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/1	S0418005.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	3667788					0.500				
PCB-1221 Peak 2	BNB	Ave	2429428					0.500				
PCB-1221 Peak 3	BNB	Ave	7574127					0.500				
PCB-1254 Peak 1	BNB	Ave	11307185					0.500				
PCB-1254 Peak 2	BNB	Ave	13004406					0.500				
PCB-1254 Peak 3	BNB	Ave	20521944					0.500				
PCB-1254 Peak 4	BNB	Ave	15689475					0.500				
PCB-1254 Peak 5	BNB	Ave	18516233					0.500				

Curve Type Legend:
Ave = Average ISTD by Height

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418005.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Apr-2016 08:46:53 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-001
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub1

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:18 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 19-Apr-2016 12:50:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.688	2.691	-0.003	80375840H	0.1000	0.1000	
2	2.905	2.908	-0.003	78168040H	0.1000	0.1000	
3 PCB-1221							
1	3.445	3.445	0.000	4467843H	0.5000	0.5000	
1	3.580	3.580	0.000	2886595H	0.5000	0.5000	
1	3.619	3.619	0.000	10061381H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.064	4.064	0.000	3667788H	0.5000	0.5000	
2	4.227	4.227	0.000	2429428H	0.5000	0.5000	
2	4.301	4.301	0.000	7574127H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
8 PCB-1254							
1	5.656	5.656	0.000	12911421H	0.5000	0.5000	
1	6.046	6.046	0.000	17604577H	0.5000	0.5000	
1	6.693	6.693	0.000	24634256H	0.5000	0.5000	
1	7.181	7.181	0.000	18422272H	0.5000	0.5000	
1	8.081	8.081	0.000	18473403H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	7.168	7.168	0.000	11307185H	0.5000	0.5000	
2	7.529	7.529	0.000	13004406H	0.5000	0.5000	
2	8.477	8.477	0.000	20521944H	0.5000	0.5000	
2	8.910	8.910	0.000	15689475H	0.5000	0.5000	
2	9.853	9.853	0.000	18516233H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

GCAR2154CALL4_00012	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:08:19 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418005.D

Injection Date: 19-Apr-2016 08:46:53 Instrument ID: CHGC10

Lims ID: IC

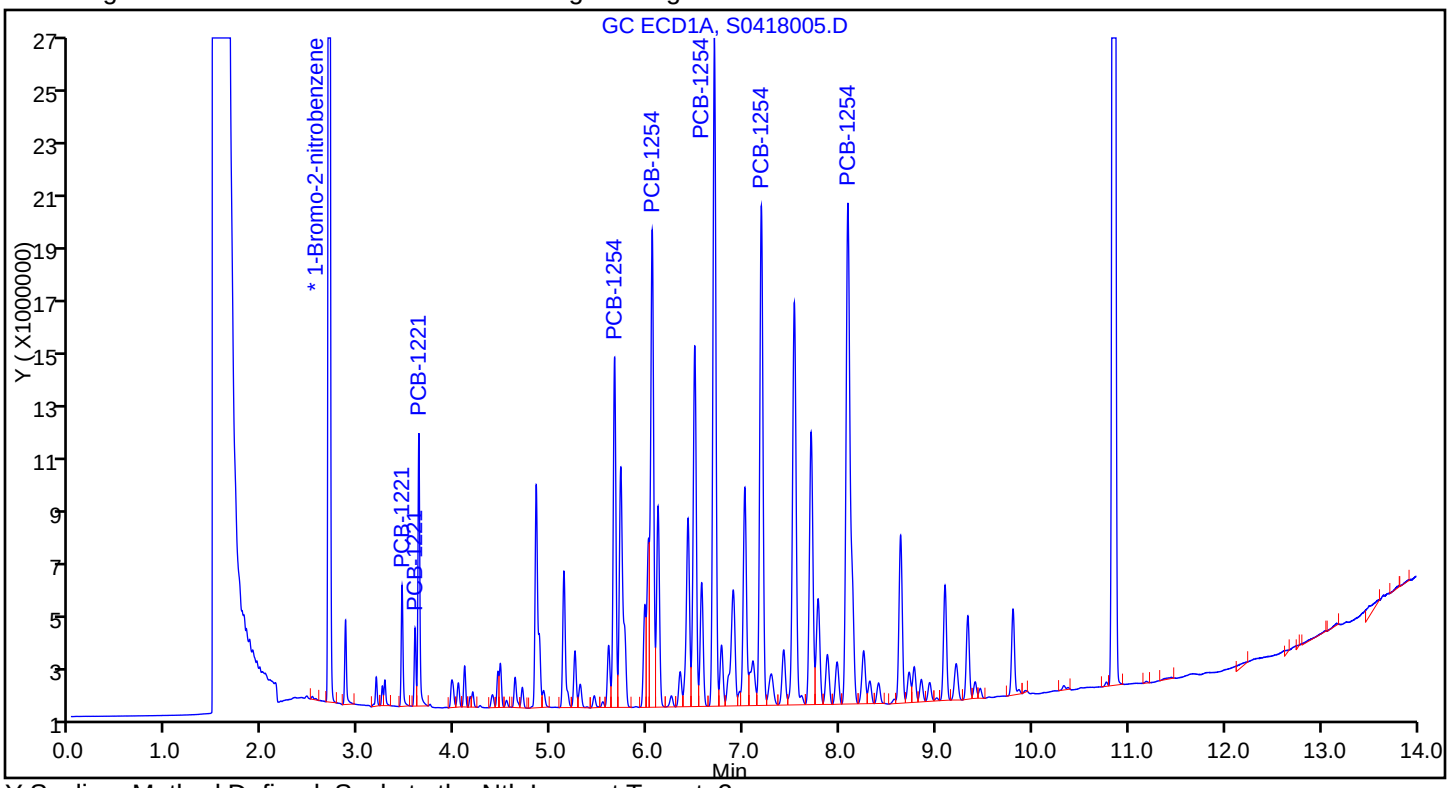
Client ID:

Operator ID: 402331 ALS Bottle#: 1 Worklist Smp#: 1

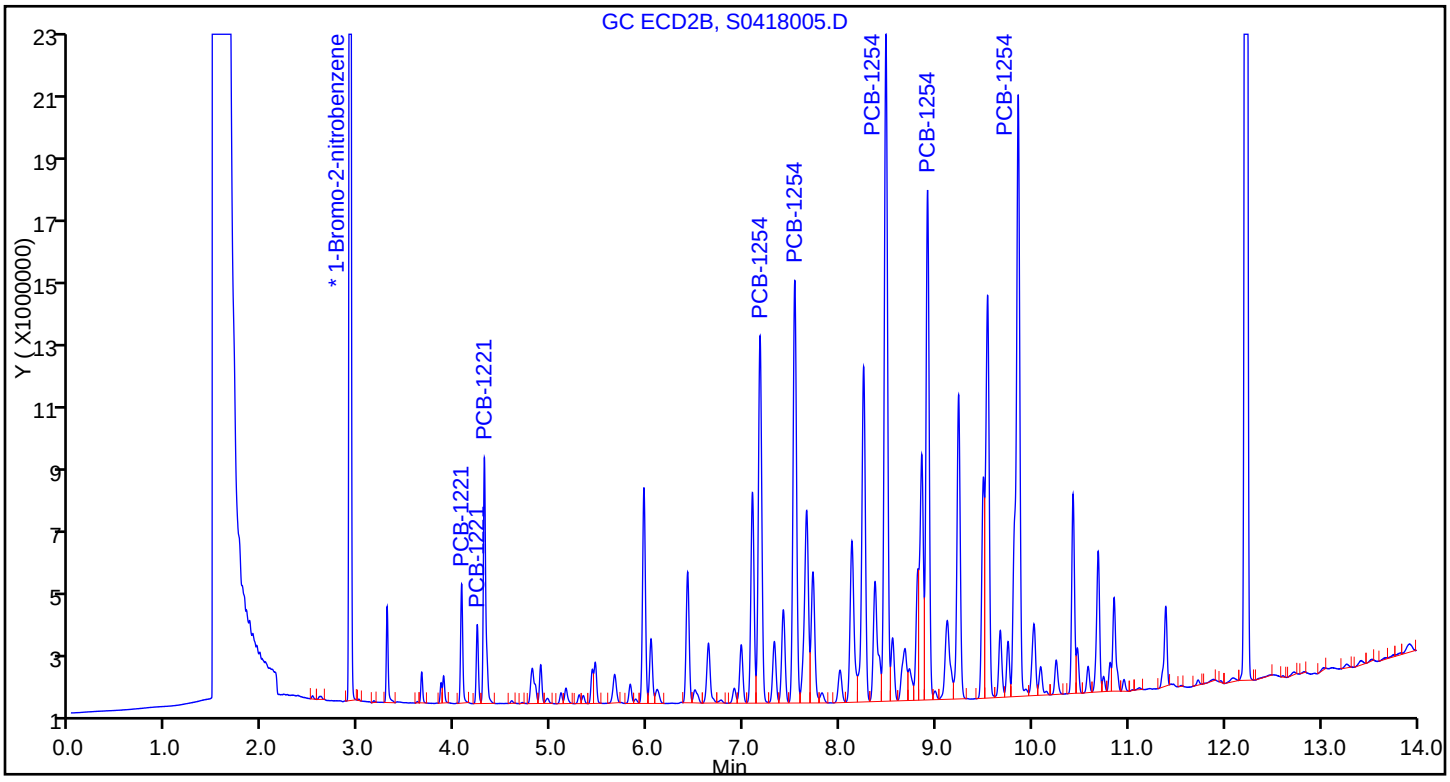
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 09:05 Calibration End Date: 04/19/2016 09:05 Calibration ID: 30286

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/2	S0418006.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0088					Ave		0.0088						20.0			
PCB-1232 Peak 2	0.0240					Ave		0.0240						20.0			
PCB-1232 Peak 3	0.0249					Ave		0.0249						20.0			
PCB-1232 Peak 4	0.0148					Ave		0.0148						20.0			
PCB-1232 Peak 5	0.0132					Ave		0.0132						20.0			
PCB-1262 Peak 1	0.0482					Ave		0.0482						20.0			
PCB-1262 Peak 2	0.0606					Ave		0.0606						20.0			
PCB-1262 Peak 3	0.1311					Ave		0.1311						20.0			
PCB-1262 Peak 4	0.0479					Ave		0.0479						20.0			
PCB-1262 Peak 5	0.0544					Ave		0.0544						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 09:05 Calibration End Date: 04/19/2016 09:05 Calibration ID: 30286

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/2	S0418006.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	3628802					0.500				
PCB-1232 Peak 2	BNB	Ave	9886865					0.500				
PCB-1232 Peak 3	BNB	Ave	10285745					0.500				
PCB-1232 Peak 4	BNB	Ave	6110120					0.500				
PCB-1232 Peak 5	BNB	Ave	5426821					0.500				
PCB-1262 Peak 1	BNB	Ave	19894345					0.500				
PCB-1262 Peak 2	BNB	Ave	24982951					0.500				
PCB-1262 Peak 3	BNB	Ave	54093260					0.500				
PCB-1262 Peak 4	BNB	Ave	19766421					0.500				
PCB-1262 Peak 5	BNB	Ave	22423354					0.500				

Curve Type Legend:

Ave = Average ISTD by Height

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418006.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Apr-2016 09:05:45 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-002
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub8

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:15 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 19-Apr-2016 12:51:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.688	2.691	-0.003	82510914H	0.1000	0.1000	
2	2.906	2.908	-0.002	80558330H	0.1000	0.1000	
4 PCB-1232							
1	3.445	3.445	0.000	3628802H	0.5000	0.5000	
1	3.619	3.619	0.000	9886865H	0.5000	0.5000	
1	4.467	4.467	0.000	10285745H	0.5000	0.5000	
1	4.621	4.621	0.000	6110120H	0.5000	0.5000	
1	6.051	6.051	0.000	5426821H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.065	4.065	0.000	2981795H	0.5000	0.5000	
2	4.301	4.301	0.000	7625098H	0.5000	0.5000	
2	4.805	4.805	0.000	4540988H	0.5000	0.5000	
2	5.455	5.455	0.000	8044802H	0.5000	0.5000	
2	5.656	5.656	0.000	4617216H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1262							
1	7.521	7.521	0.000	19894345H	0.5000	0.5000	
1	8.310	8.310	0.000	24982951H	0.5000	0.5000	
1	9.328	9.328	0.000	54093260H	0.5000	0.5000	
1	9.799	9.799	0.000	19766421H	0.5000	0.5000	
1	9.861	9.861	0.000	22423354H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	9.233	9.233	0.000	16780683H	0.5000	0.5000	
2	10.000	10.000	0.000	25435416H	0.5000	0.5000	
2	10.851	10.851	0.000	49462203H	0.5000	0.5000	
2	11.377	11.377	0.000	27825113H	0.5000	0.5000	
2	11.961	11.961	0.000	7113258H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

GCAR3262CALL4_00005	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:08:16 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418006.D

Injection Date: 19-Apr-2016 09:05:45 Instrument ID: CHGC10

Lims ID: IC

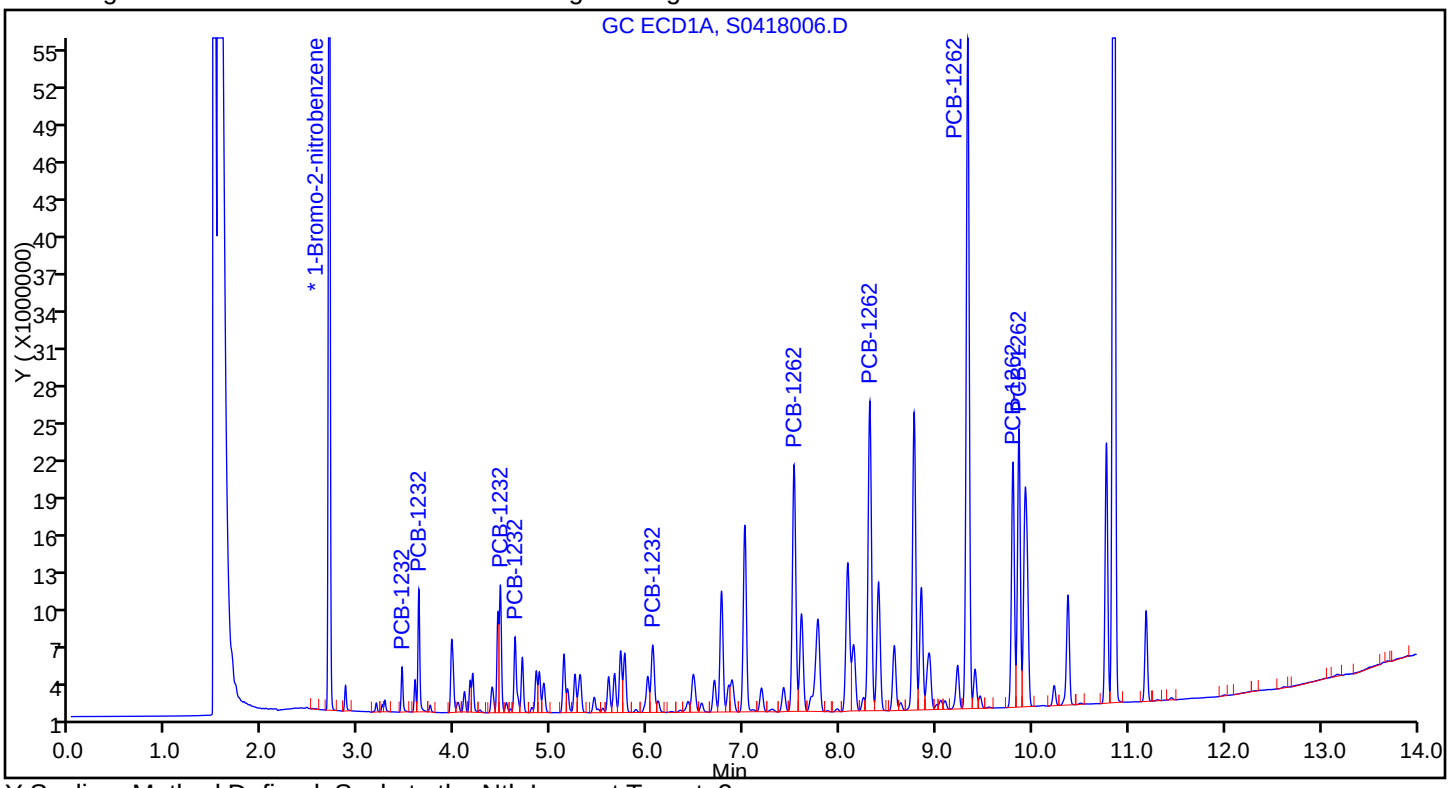
Client ID:

Operator ID: 402331 ALS Bottle#: 2 Worklist Smp#: 2

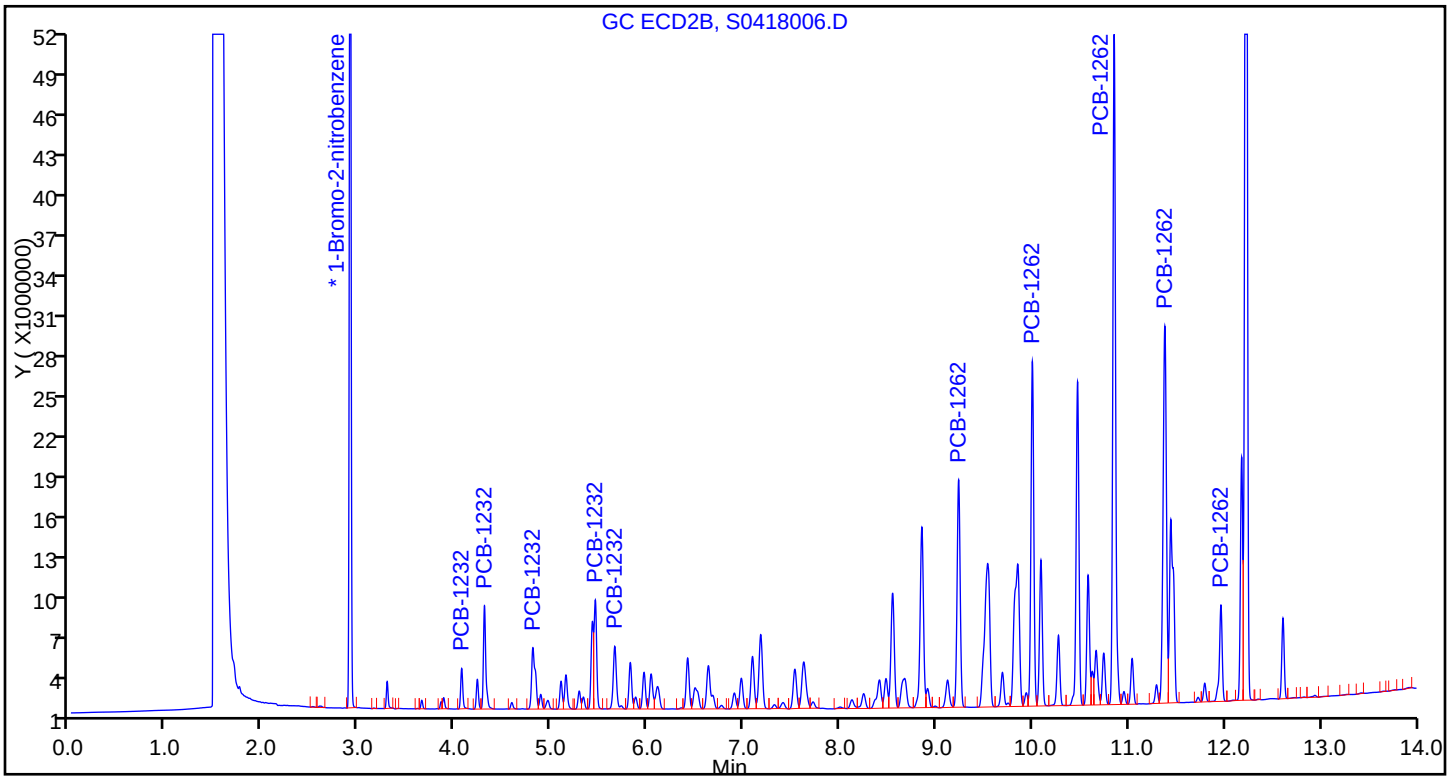
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 09:05 Calibration End Date: 04/19/2016 09:05 Calibration ID: 30287

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/2	S0418006.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0074					Ave		0.0074						20.0			
PCB-1232 Peak 2	0.0189					Ave		0.0189						20.0			
PCB-1232 Peak 3	0.0113					Ave		0.0113						20.0			
PCB-1232 Peak 4	0.0200					Ave		0.0200						20.0			
PCB-1232 Peak 5	0.0115					Ave		0.0115						20.0			
PCB-1262 Peak 1	0.0417					Ave		0.0417						20.0			
PCB-1262 Peak 2	0.0631					Ave		0.0631						20.0			
PCB-1262 Peak 3	0.1228					Ave		0.1228						20.0			
PCB-1262 Peak 4	0.0691					Ave		0.0691						20.0			
PCB-1262 Peak 5	0.0177					Ave		0.0177						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 09:05 Calibration End Date: 04/19/2016 09:05 Calibration ID: 30287

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/2	S0418006.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	2981795					0.500				
PCB-1232 Peak 2	BNB	Ave	7625098					0.500				
PCB-1232 Peak 3	BNB	Ave	4540988					0.500				
PCB-1232 Peak 4	BNB	Ave	8044802					0.500				
PCB-1232 Peak 5	BNB	Ave	4617216					0.500				
PCB-1262 Peak 1	BNB	Ave	16780683					0.500				
PCB-1262 Peak 2	BNB	Ave	25435416					0.500				
PCB-1262 Peak 3	BNB	Ave	49462203					0.500				
PCB-1262 Peak 4	BNB	Ave	27825113					0.500				
PCB-1262 Peak 5	BNB	Ave	7113258					0.500				

Curve Type Legend:
Ave = Average ISTD by Height

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418006.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Apr-2016 09:05:45 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-002
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub8

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:15 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 19-Apr-2016 12:51:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.688	2.691	-0.003	82510914H	0.1000	0.1000	
2	2.906	2.908	-0.002	80558330H	0.1000	0.1000	
4 PCB-1232							
1	3.445	3.445	0.000	3628802H	0.5000	0.5000	
1	3.619	3.619	0.000	9886865H	0.5000	0.5000	
1	4.467	4.467	0.000	10285745H	0.5000	0.5000	
1	4.621	4.621	0.000	6110120H	0.5000	0.5000	
1	6.051	6.051	0.000	5426821H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.065	4.065	0.000	2981795H	0.5000	0.5000	
2	4.301	4.301	0.000	7625098H	0.5000	0.5000	
2	4.805	4.805	0.000	4540988H	0.5000	0.5000	
2	5.455	5.455	0.000	8044802H	0.5000	0.5000	
2	5.656	5.656	0.000	4617216H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
10 PCB-1262							
1	7.521	7.521	0.000	19894345H	0.5000	0.5000	
1	8.310	8.310	0.000	24982951H	0.5000	0.5000	
1	9.328	9.328	0.000	54093260H	0.5000	0.5000	
1	9.799	9.799	0.000	19766421H	0.5000	0.5000	
1	9.861	9.861	0.000	22423354H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	9.233	9.233	0.000	16780683H	0.5000	0.5000	
2	10.000	10.000	0.000	25435416H	0.5000	0.5000	
2	10.851	10.851	0.000	49462203H	0.5000	0.5000	
2	11.377	11.377	0.000	27825113H	0.5000	0.5000	
2	11.961	11.961	0.000	7113258H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

GCAR3262CALL4_00005	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:08:16 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418006.D

Injection Date: 19-Apr-2016 09:05:45 Instrument ID: CHGC10

Lims ID: IC

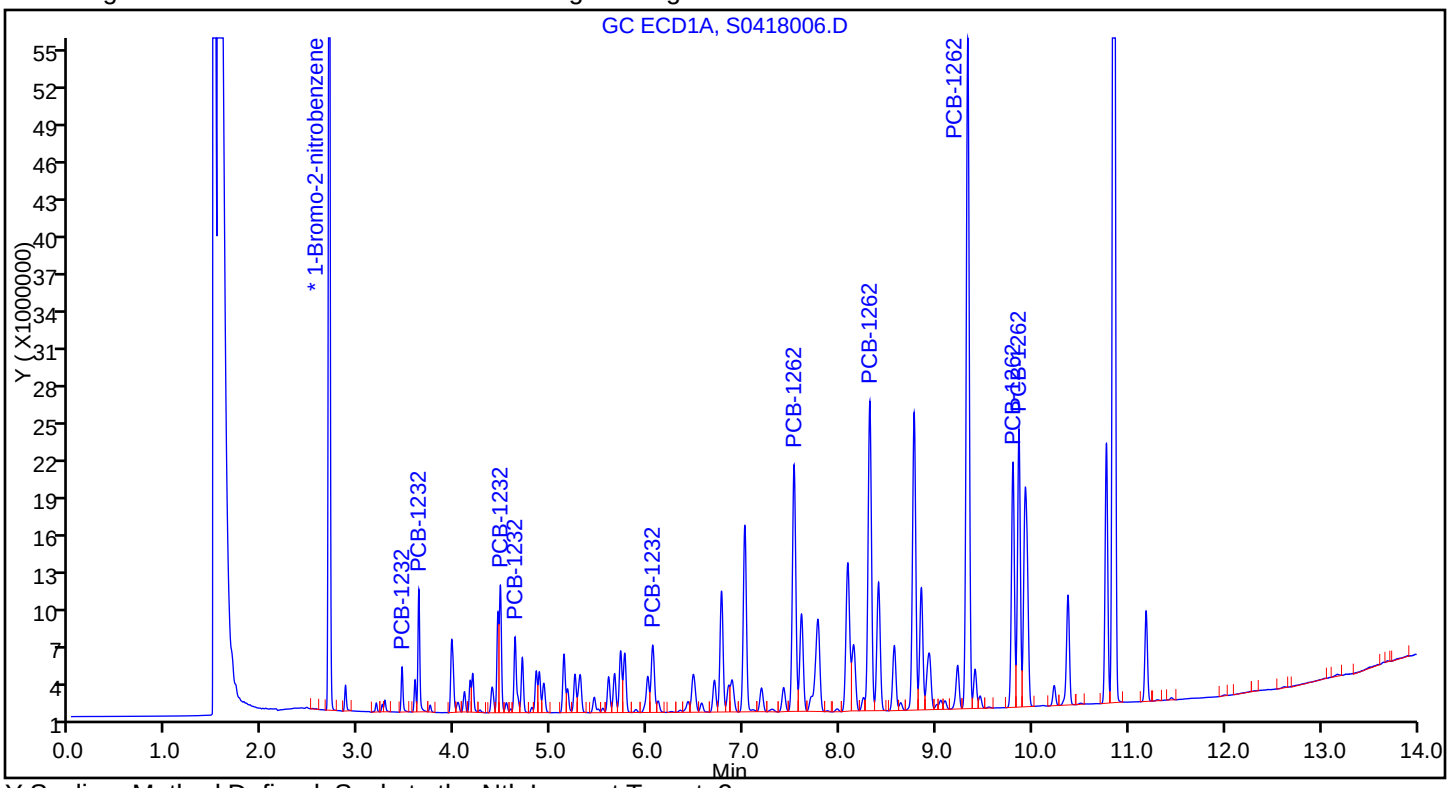
Client ID:

Operator ID: 402331 ALS Bottle#: 2 Worklist Smp#: 2

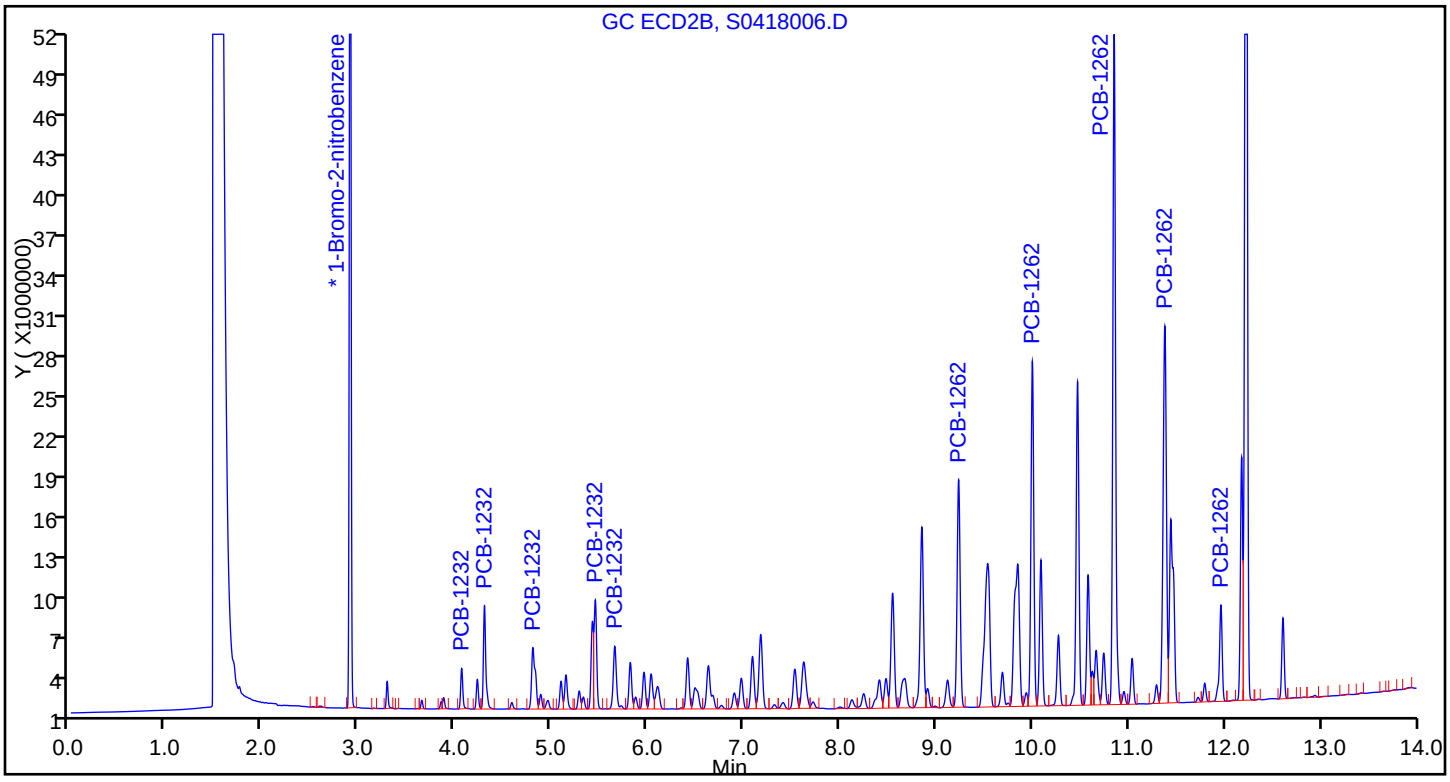
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 09:24 Calibration End Date: 04/19/2016 09:24 Calibration ID: 30292

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/3	S0418007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0157					Ave		0.0157						20.0			
PCB-1242 Peak 2	0.0230					Ave		0.0230						20.0			
PCB-1242 Peak 3	0.0406					Ave		0.0406						20.0			
PCB-1242 Peak 4	0.0207					Ave		0.0207						20.0			
PCB-1242 Peak 5	0.0216					Ave		0.0216						20.0			
PCB-1268 Peak 1	0.1469					Ave		0.1469						20.0			
PCB-1268 Peak 2	0.1286					Ave		0.1286						20.0			
PCB-1268 Peak 3	0.1226					Ave		0.1226						20.0			
PCB-1268 Peak 4	0.3886					Ave		0.3886						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 09:24 Calibration End Date: 04/19/2016 09:24 Calibration ID: 30292

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/3	S0418007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	6445880					0.500				
PCB-1242 Peak 2	BNB	Ave	9418185					0.500				
PCB-1242 Peak 3	BNB	Ave	16671798					0.500				
PCB-1242 Peak 4	BNB	Ave	8483568					0.500				
PCB-1242 Peak 5	BNB	Ave	8876527					0.500				
PCB-1268 Peak 1	BNB	Ave	60259956					0.500				
PCB-1268 Peak 2	BNB	Ave	52786673					0.500				
PCB-1268 Peak 3	BNB	Ave	50321858					0.500				
PCB-1268 Peak 4	BNB	Ave	159459866					0.500				

Curve Type Legend:
Ave = Average ISTD by Height

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418007.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Apr-2016 09:24:37 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-003
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub9

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:13 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 19-Apr-2016 12:51:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.689	2.691	-0.002	82068381H	0.1000	0.1000	
2	2.906	2.908	-0.002	80216516H	0.1000	0.1000	
5 PCB-1242							
1	3.620	3.620	0.000	6445880H	0.5000	0.5000	
1	3.962	3.962	0.000	9418185H	0.5000	0.5000	
1	4.467	4.467	0.000	16671798H	0.5000	0.5000	
1	5.130	5.130	0.000	8483568H	0.5000	0.5000	
1	5.762	5.762	0.000	8876527H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.302	4.302	0.000	5132983H	0.5000	0.5000	
2	4.807	4.807	0.000	7115943H	0.5000	0.5000	
2	5.456	5.456	0.000	13094975H	0.5000	0.5000	
2	5.657	5.657	0.000	7409444H	0.5000	0.5000	
2	6.417	6.417	0.000	6753958H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
11 PCB-1268							
1	9.861	9.861	0.000	60259956H	0.5000	0.5000	
1	9.923	9.923	0.000	52786673H	0.5000	0.5000	
1	10.228	10.228	0.000	50321858H	0.5000	0.5000	
1	11.185	11.185	0.000	159459866H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	11.373	11.373	0.000	54317331H	0.5000	0.5000	
2	11.439	11.439	0.000	45435167H	0.5000	0.5000	
2	11.792	11.792	0.000	42624036H	0.5000	0.5000	
2	12.607	12.607	0.000	138045097H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

GCAR4268CALL4_00005	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:08:13 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418007.D

Injection Date: 19-Apr-2016 09:24:37 Instrument ID: CHGC10

Lims ID: IC

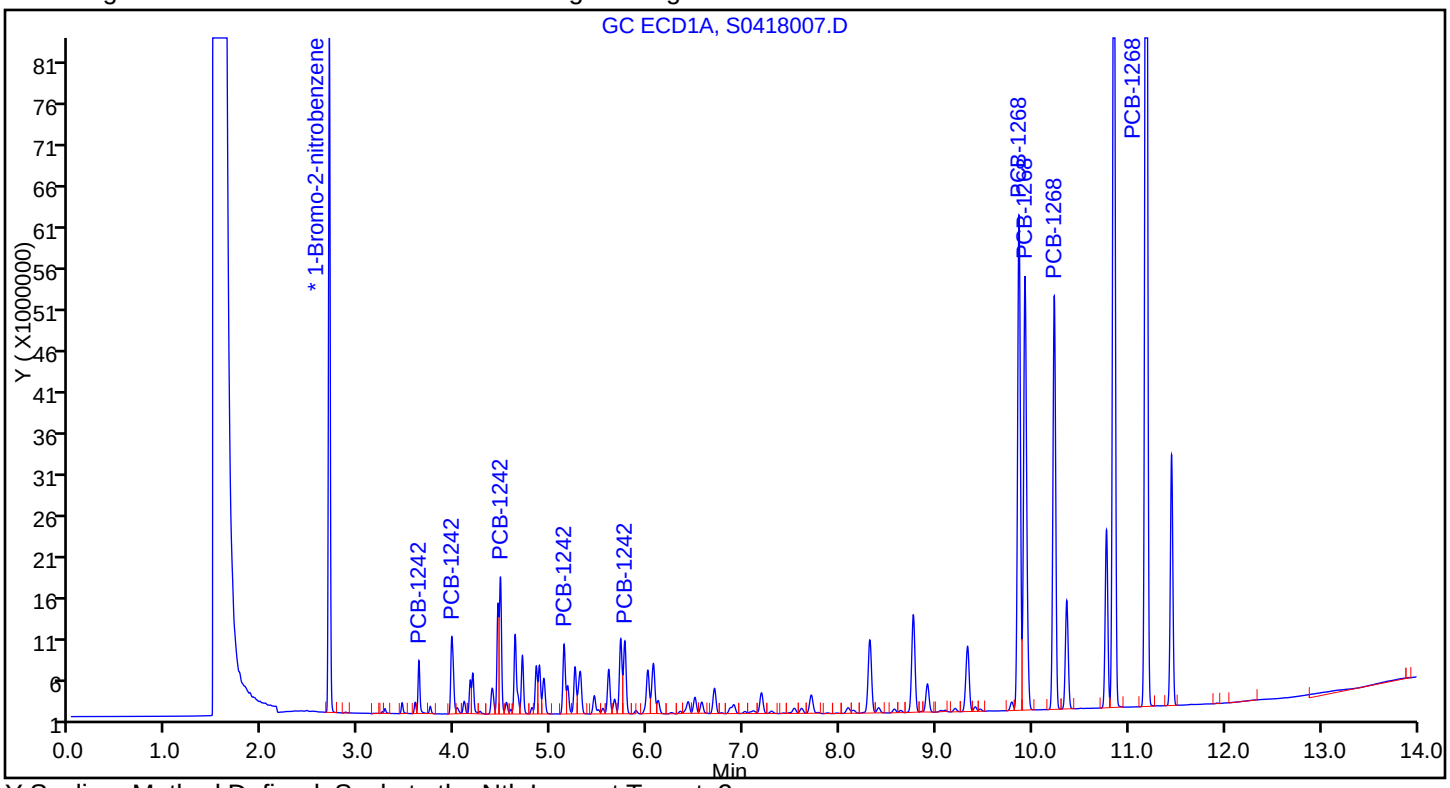
Client ID:

Operator ID: 402331 ALS Bottle#: 3 Worklist Smp#: 3

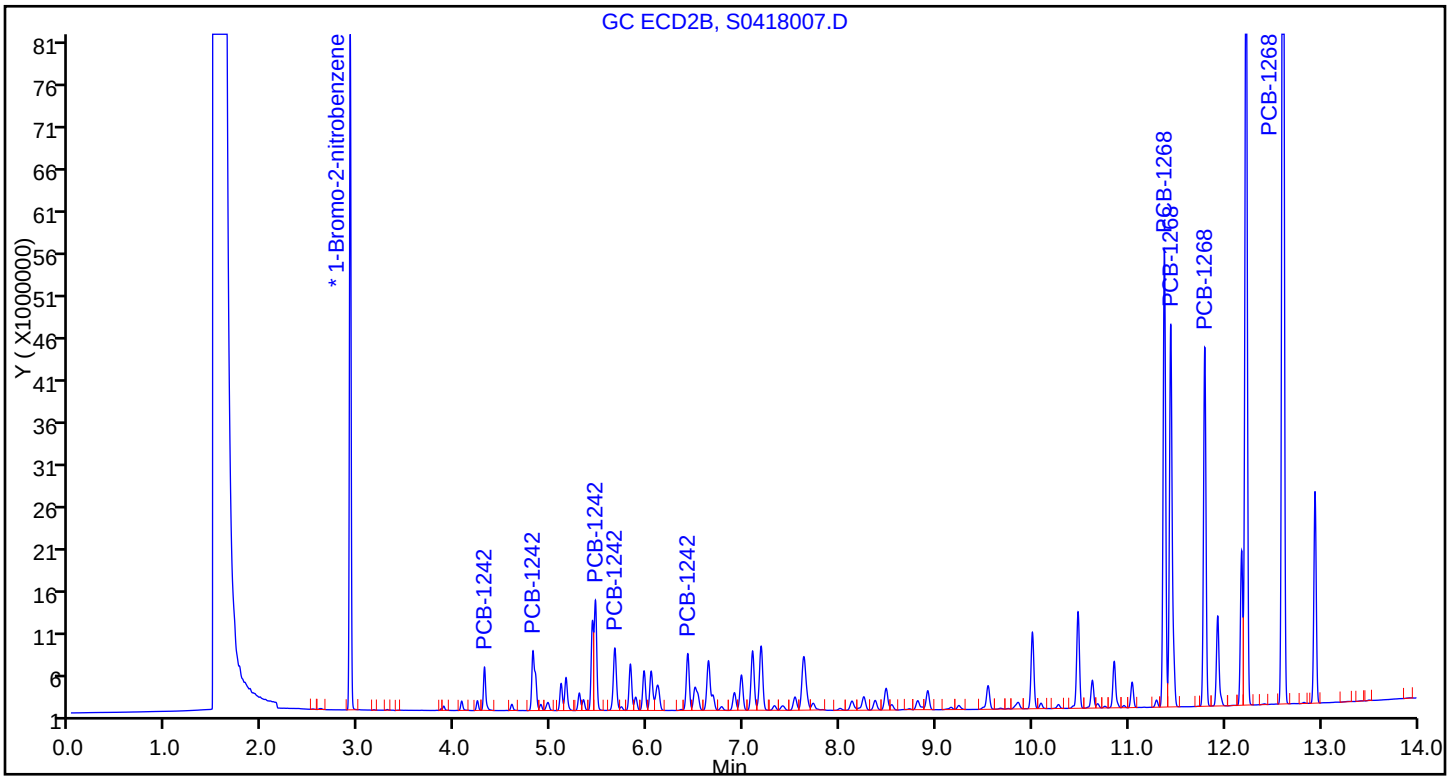
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 09:24 Calibration End Date: 04/19/2016 09:24 Calibration ID: 30293

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/3	S0418007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0128					Ave		0.0128						20.0			
PCB-1242 Peak 2	0.0177					Ave		0.0177						20.0			
PCB-1242 Peak 3	0.0326					Ave		0.0326						20.0			
PCB-1242 Peak 4	0.0185					Ave		0.0185						20.0			
PCB-1242 Peak 5	0.0168					Ave		0.0168						20.0			
PCB-1268 Peak 1	0.1354					Ave		0.1354						20.0			
PCB-1268 Peak 2	0.1133					Ave		0.1133						20.0			
PCB-1268 Peak 3	0.1063					Ave		0.1063						20.0			
PCB-1268 Peak 4	0.3442					Ave		0.3442						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 09:24 Calibration End Date: 04/19/2016 09:24 Calibration ID: 30293

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/3	S0418007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	5132983					0.500				
PCB-1242 Peak 2	BNB	Ave	7115943					0.500				
PCB-1242 Peak 3	BNB	Ave	13094975					0.500				
PCB-1242 Peak 4	BNB	Ave	7409444					0.500				
PCB-1242 Peak 5	BNB	Ave	6753958					0.500				
PCB-1268 Peak 1	BNB	Ave	54317331					0.500				
PCB-1268 Peak 2	BNB	Ave	45435167					0.500				
PCB-1268 Peak 3	BNB	Ave	42624036					0.500				
PCB-1268 Peak 4	BNB	Ave	138045097					0.500				

Curve Type Legend:
Ave = Average ISTD by Height

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418007.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Apr-2016 09:24:37 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-003
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub9

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:13 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 19-Apr-2016 12:51:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.689	2.691	-0.002	82068381H	0.1000	0.1000	
2	2.906	2.908	-0.002	80216516H	0.1000	0.1000	
5 PCB-1242							
1	3.620	3.620	0.000	6445880H	0.5000	0.5000	
1	3.962	3.962	0.000	9418185H	0.5000	0.5000	
1	4.467	4.467	0.000	16671798H	0.5000	0.5000	
1	5.130	5.130	0.000	8483568H	0.5000	0.5000	
1	5.762	5.762	0.000	8876527H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.302	4.302	0.000	5132983H	0.5000	0.5000	
2	4.807	4.807	0.000	7115943H	0.5000	0.5000	
2	5.456	5.456	0.000	13094975H	0.5000	0.5000	
2	5.657	5.657	0.000	7409444H	0.5000	0.5000	
2	6.417	6.417	0.000	6753958H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
11 PCB-1268							
1	9.861	9.861	0.000	60259956H	0.5000	0.5000	
1	9.923	9.923	0.000	52786673H	0.5000	0.5000	
1	10.228	10.228	0.000	50321858H	0.5000	0.5000	
1	11.185	11.185	0.000	159459866H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	11.373	11.373	0.000	54317331H	0.5000	0.5000	
2	11.439	11.439	0.000	45435167H	0.5000	0.5000	
2	11.792	11.792	0.000	42624036H	0.5000	0.5000	
2	12.607	12.607	0.000	138045097H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

GCAR4268CALL4_00005	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:08:13 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418007.D

Injection Date: 19-Apr-2016 09:24:37 Instrument ID: CHGC10

Lims ID: IC

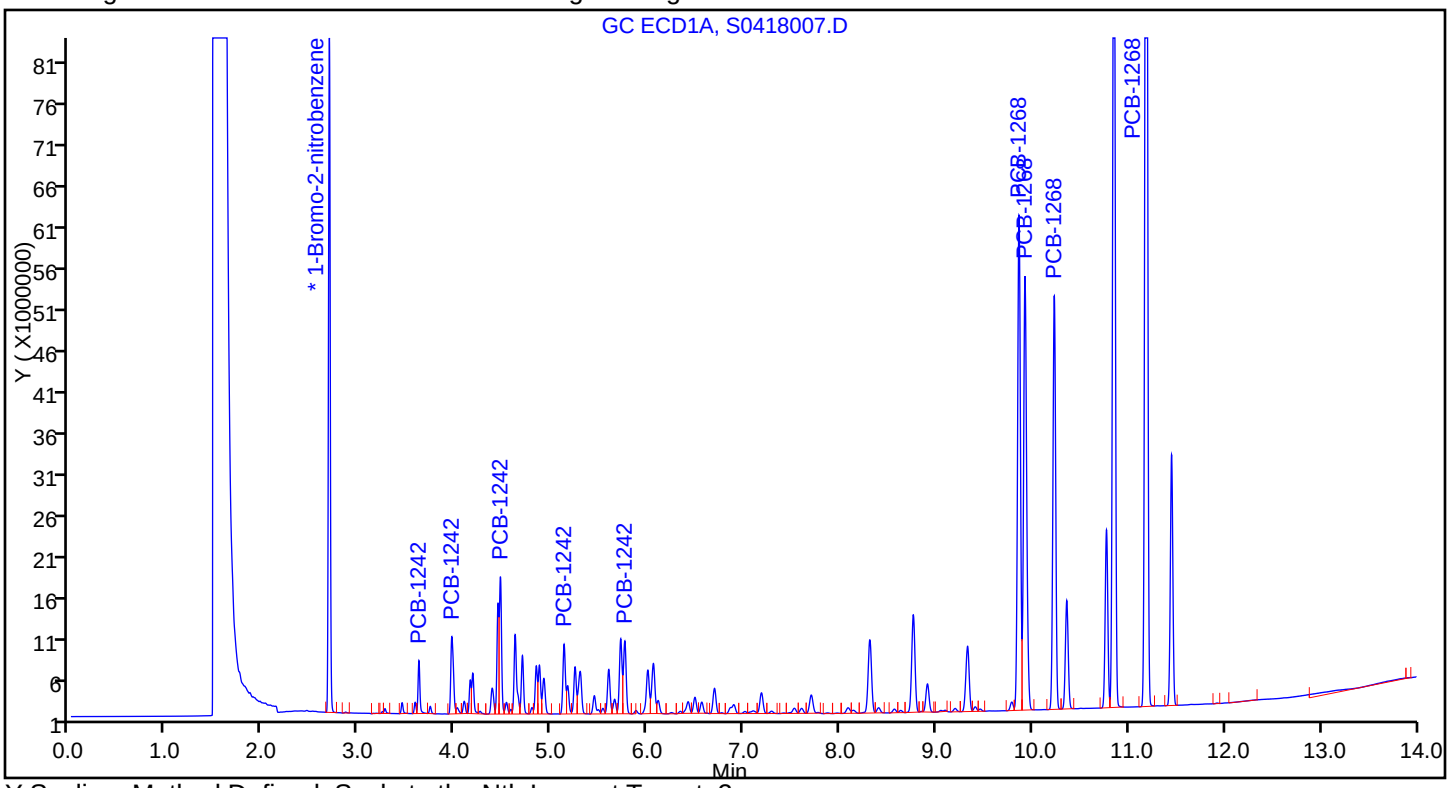
Client ID:

Operator ID: 402331 ALS Bottle#: 3 Worklist Smp#: 3

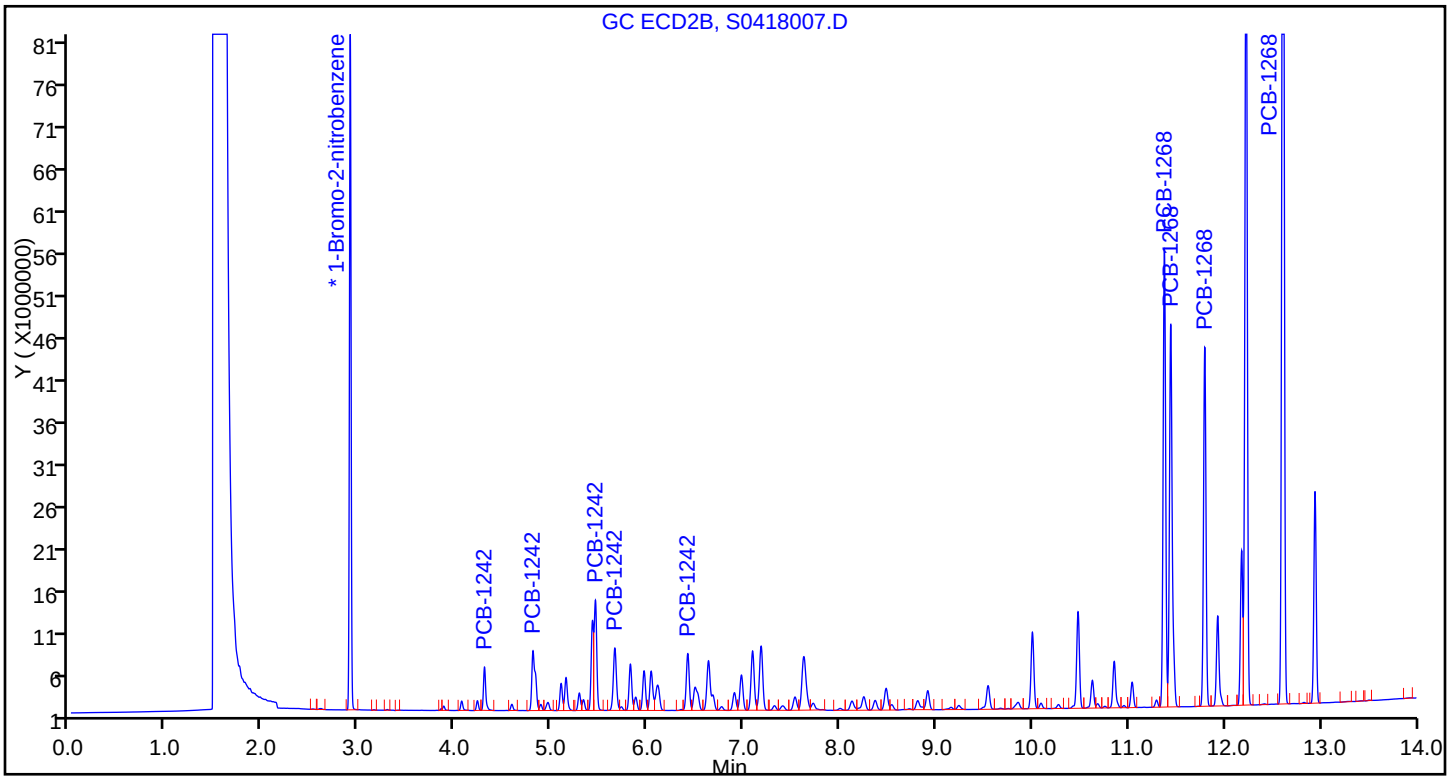
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 09:43 Calibration End Date: 04/19/2016 09:43 Calibration ID: 30298

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/4	S0418008.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0137					Ave		0.0137						20.0			
PCB-1248 Peak 2	0.0321					Ave		0.0321						20.0			
PCB-1248 Peak 3	0.0375					Ave		0.0375						20.0			
PCB-1248 Peak 4	0.0251					Ave		0.0251						20.0			
PCB-1248 Peak 5	0.0186					Ave		0.0186						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 09:43 Calibration End Date: 04/19/2016 09:43 Calibration ID: 30298

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/4	S0418008.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	5850324					0.500				
PCB-1248 Peak 2	BNB	Ave	13710490					0.500				
PCB-1248 Peak 3	BNB	Ave	16004997					0.500				
PCB-1248 Peak 4	BNB	Ave	10725819					0.500				
PCB-1248 Peak 5	BNB	Ave	7930667					0.500				

Curve Type Legend:
Ave = Average ISTD by Height

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418008.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Apr-2016 09:43:28 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-004
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub4

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:10 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 19-Apr-2016 12:52:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.689	2.691	-0.002	85445903H	0.1000	0.1000	
2	2.906	2.908	-0.002	82897633H	0.1000	0.1000	
7 PCB-1248							
1	3.962	3.962	0.000	5850324H	0.5000	0.5000	
1	5.130	5.130	0.000	13710490H	0.5000	0.5000	
1	5.720	5.720	0.000	16004997H	0.5000	0.5000	
1	6.057	6.057	0.000	10725819H	0.5000	0.5000	
1	6.694	6.694	0.000	7930667H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	5.962	5.962	0.000	8688915H	0.5000	0.5000	
2	6.416	6.416	0.000	10887492H	0.5000	0.5000	
2	7.090	7.090	0.000	12271212H	0.5000	0.5000	
2	7.178	7.178	0.000	12680651H	0.5000	0.5000	
2	7.623	7.623	0.000	9494300H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

GCAR1248CALL4_00013 Amount Added: 1.00 Units: mL
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Apr-2016 06:08:10 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418008.D

Injection Date: 19-Apr-2016 09:43:28 Instrument ID: CHGC10

Lims ID: IC

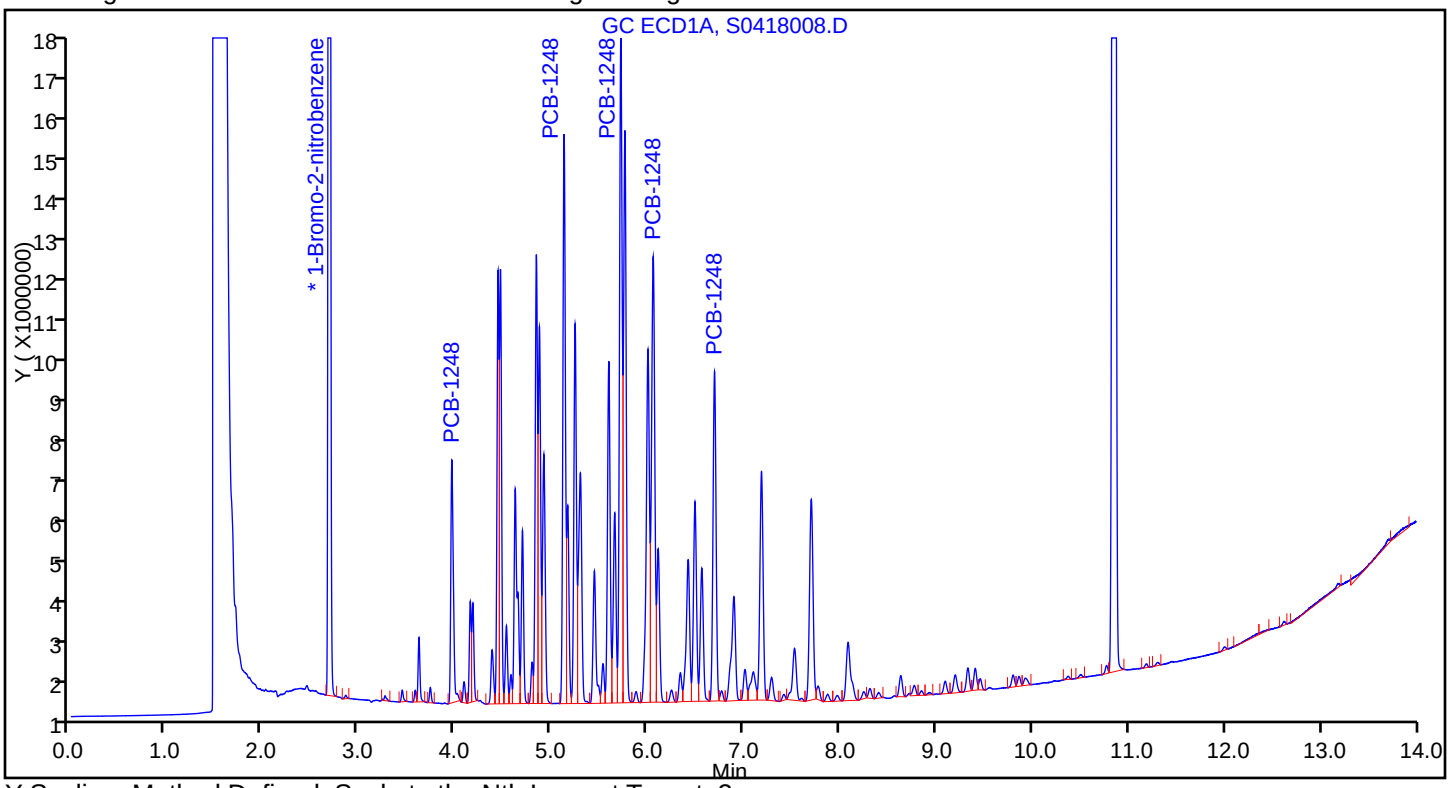
Client ID:

Operator ID: 402331 ALS Bottle#: 4 Worklist Smp#: 4

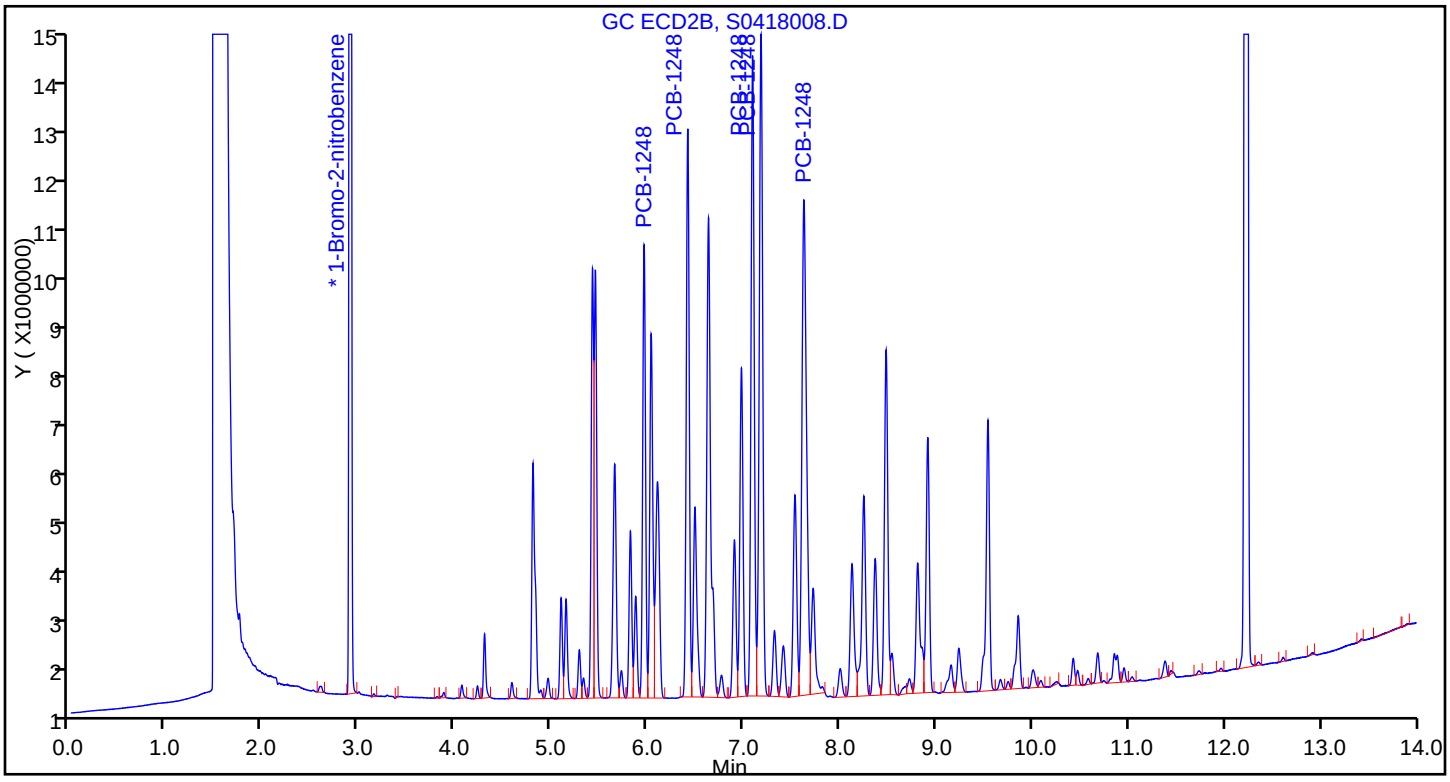
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 09:43 Calibration End Date: 04/19/2016 09:43 Calibration ID: 30299

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/4	S0418008.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0210					Ave		0.0210						20.0			
PCB-1248 Peak 2	0.0263					Ave		0.0263						20.0			
PCB-1248 Peak 3	0.0296					Ave		0.0296						20.0			
PCB-1248 Peak 4	0.0306					Ave		0.0306						20.0			
PCB-1248 Peak 5	0.0229					Ave		0.0229						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 09:43 Calibration End Date: 04/19/2016 09:43 Calibration ID: 30299

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/4	S0418008.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	8688915					0.500				
PCB-1248 Peak 2	BNB	Ave	10887492					0.500				
PCB-1248 Peak 3	BNB	Ave	12271212					0.500				
PCB-1248 Peak 4	BNB	Ave	12680651					0.500				
PCB-1248 Peak 5	BNB	Ave	9494300					0.500				

Curve Type Legend:
Ave = Average ISTD by Height

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418008.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Apr-2016 09:43:28 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-004
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub4

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:10 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 19-Apr-2016 12:52:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.689	2.691	-0.002	85445903H	0.1000	0.1000	
2	2.906	2.908	-0.002	82897633H	0.1000	0.1000	
7 PCB-1248							
1	3.962	3.962	0.000	5850324H	0.5000	0.5000	
1	5.130	5.130	0.000	13710490H	0.5000	0.5000	
1	5.720	5.720	0.000	16004997H	0.5000	0.5000	
1	6.057	6.057	0.000	10725819H	0.5000	0.5000	
1	6.694	6.694	0.000	7930667H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	5.962	5.962	0.000	8688915H	0.5000	0.5000	
2	6.416	6.416	0.000	10887492H	0.5000	0.5000	
2	7.090	7.090	0.000	12271212H	0.5000	0.5000	
2	7.178	7.178	0.000	12680651H	0.5000	0.5000	
2	7.623	7.623	0.000	9494300H	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

GCAR1248CALL4_00013 Amount Added: 1.00 Units: mL
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Apr-2016 06:08:10 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418008.D

Injection Date: 19-Apr-2016 09:43:28 Instrument ID: CHGC10

Lims ID: IC

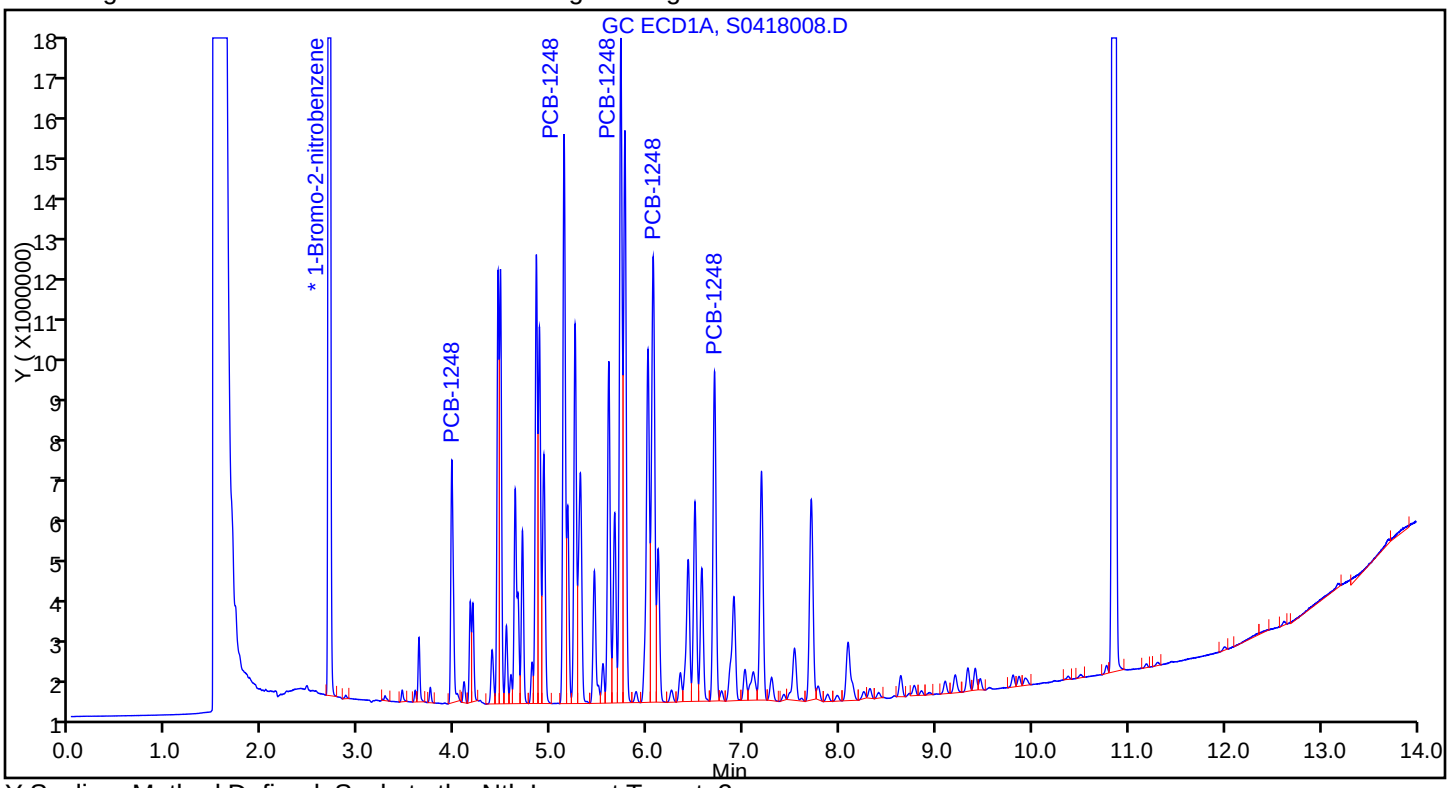
Client ID:

Operator ID: 402331 ALS Bottle#: 4 Worklist Smp#: 4

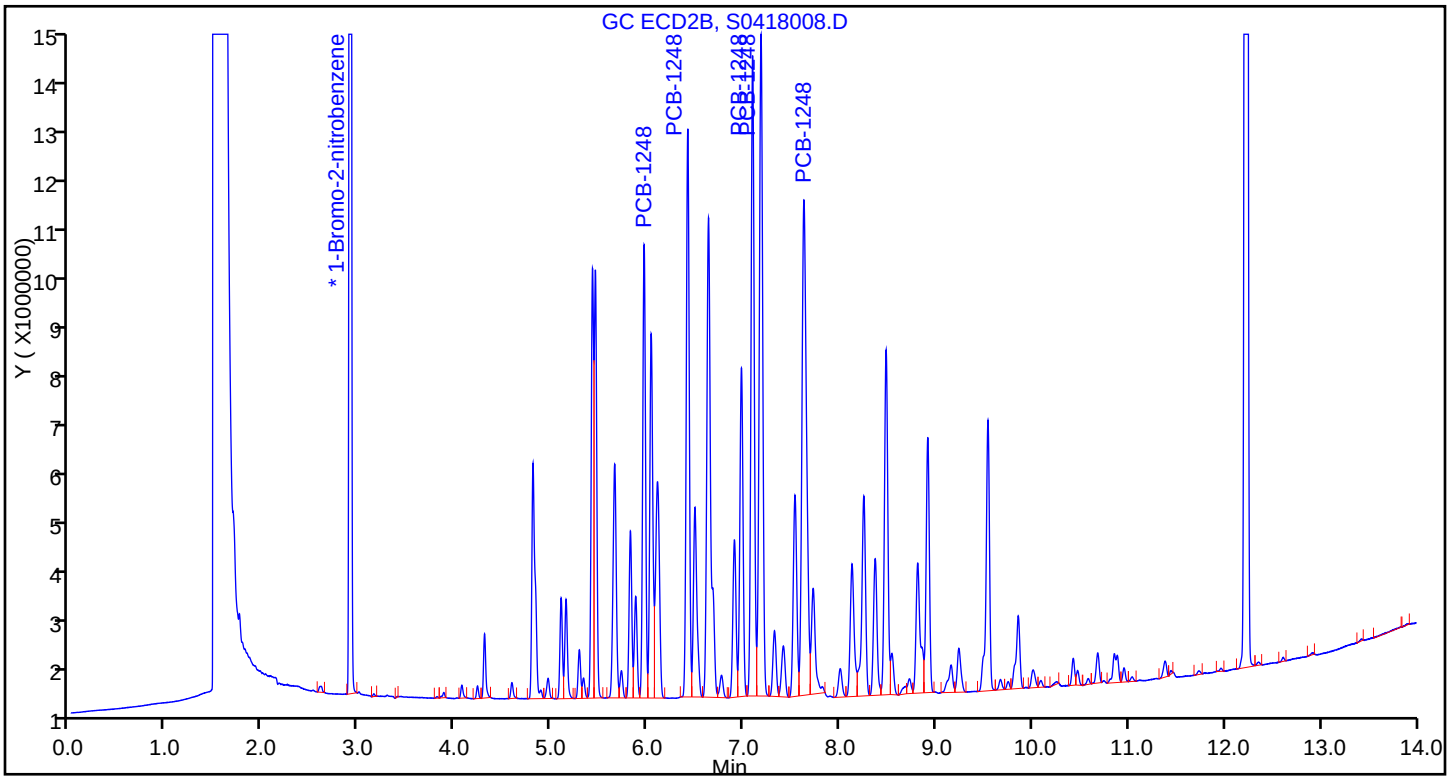
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 10:02 Calibration End Date: 04/19/2016 11:55 Calibration ID: 30274

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/5	S0418009.D
Level 2	IC 180-173857/6	S0418010.D
Level 3	IC 180-173857/7	S0418011.D
Level 4	ICIS 180-173857/8	S0418012.D
Level 5	IC 180-173857/9	S0418013.D
Level 6	IC 180-173857/10	S0418014.D
Level 7	IC 180-173857/11	S0418015.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0260 0.0165	0.0226 0.0175	0.0192	0.0181	0.0169	Ave		0.0195				18.0		20.0			
PCB-1016 Peak 2	0.0535 0.0354	0.0451 0.0368	0.0390	0.0382	0.0360	Ave		0.0406				16.1		20.0			
PCB-1016 Peak 3	0.0383 0.0252	0.0329 0.0261	0.0283	0.0275	0.0257	Ave		0.0291				16.5		20.0			
PCB-1016 Peak 4	0.0278 0.0189	0.0238 0.0195	0.0207	0.0202	0.0190	Ave		0.0214				15.3		20.0			
PCB-1016 Peak 5	0.0338 0.0216	0.0282 0.0219	0.0243	0.0235	0.0218	Ave		0.0250				18.0		20.0			
PCB-1260 Peak 1	0.0589 0.0396	0.0498 0.0380	0.0435	0.0434	0.0397	Ave		0.0447				16.5		20.0			
PCB-1260 Peak 2	0.0850 0.0578	0.0712 0.0550	0.0638	0.0644	0.0582	Ave		0.0650				15.9		20.0			
PCB-1260 Peak 3	0.0596 0.0500	0.0602 0.0471	0.0541	0.0546	0.0501	Ave		0.0537				9.3		20.0			
PCB-1260 Peak 4	0.1220 0.0938	0.1082 0.0885	0.1019	0.1041	0.0953	Ave		0.1020				10.9		20.0			
PCB-1260 Peak 5	0.0686 0.0521	0.0612 0.0494	0.0558	0.0567	0.0520	Ave		0.0565				11.7		20.0			
Tetrachloro-m-xylene	1.4447 1.0769	1.2712 1.1640	1.1594	1.1636	1.1256	Ave		1.2008				10.2		20.0			
DCB Decachlorobiphenyl (Surr)	1.1365 0.9354	1.0806 0.9094	0.9715	1.0176	0.9358	Ave		0.9981				8.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 10:02 Calibration End Date: 04/19/2016 11:55 Calibration ID: 30274

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/5	S0418009.D
Level 2	IC 180-173857/6	S0418010.D
Level 3	IC 180-173857/7	S0418011.D
Level 4	ICIS 180-173857/8	S0418012.D
Level 5	IC 180-173857/9	S0418013.D
Level 6	IC 180-173857/10	S0418014.D
Level 7	IC 180-173857/11	S0418015.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	219224 28743742	956717 61765611	3262227	7456208	14800383	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 2	BNB	Ave	450824 61684006	1905308 130047734	6613325	15755321	31619005	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 3	BNB	Ave	322776 44032761	1389845 92086799	4798053	11338152	22558531	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 4	BNB	Ave	234034 32874501	1007050 68965515	3512644	8339831	16676975	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 5	BNB	Ave	284965 37604574	1190680 77392964	4126842	9680825	19181564	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 1	BNB	Ave	496575 69135261	2102944 134420624	7380514	17909525	34828217	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 2	BNB	Ave	716433 100729726	3007829 194250047	10810227	26553844	51097169	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 3	BNB	Ave	502676 87113152	2544342 166559613	9164858	22544499	44023783	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 4	BNB	Ave	1028454 163571835	4572366 312672221	17271583	42941247	83697400	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 5	BNB	Ave	578273 90794063	2587988 174541658	9450553	23397460	45650756	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
Tetrachloro-m-xylene	BNB	Ave	608865 93902739	2685825 205679262	9824850	24002235	49435040	0.000500 0.100	0.00250 0.200	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl (Surr)	BNB	Ave	478970 81563291	2283101 160693157	8233058	20988870	41099504	0.000500 0.100	0.00250 0.200	0.0100	0.0250	0.0500

Curve Type Legend:
Ave = Average ISTD by Height

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418009.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Apr-2016 10:02:19 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-005
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:07 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 20-Apr-2016 06:05:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.691	2.691	0.000	84289349H	0.1000	0.1000	
2	2.908	2.908	0.000	82372458H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.304	3.304	0.000	608865H	0.000500	0.000602	
2	3.767	3.766	0.001	530846H	0.000500	0.000589	
						RPD = 2.05	
6 PCB-1016							
1	3.622	3.621	0.001	219224H	0.0100	0.0133	
1	4.445	4.444	0.001	450824H	0.0100	0.0132	
1	4.623	4.623	0.000	322776H	0.0100	0.0131	
1	4.698	4.698	0.000	234034H	0.0100	0.0130	
1	5.132	5.132	0.000	284965H	0.0100	0.0135	
		Average of Peak Amounts =				0.0132	
2	4.810	4.808	0.002	248853H	0.0100	0.0136	
2	5.457	5.457	0.000	423625H	0.0100	0.0128	
2	5.660	5.658	0.002	249830H	0.0100	0.0133	
2	6.418	6.418	0.000	220672H	0.0100	0.0132	
2	6.634	6.633	0.001	163725H	0.0100	0.0117	
		Average of Peak Amounts =				0.0129	
						RPD = 2.32	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.013	7.012	0.001	496575H	0.0100	0.0132	
1	7.527	7.525	0.002	716433H	0.0100	0.0131	
1	8.084	8.084	0.000	502676H	0.0100	0.0111	
1	9.332	9.330	0.002	1028454H	0.0100	0.0120	
1	9.800	9.799	0.001	578273H	0.0100	0.0121	
		Average of Peak Amounts =				0.0123	
2	8.855	8.853	0.002	448572H	0.0100	0.0133	
2	9.236	9.234	0.002	578117H	0.0100	0.0132	
2	9.855	9.853	0.002	517875H	0.0100	0.0125	
2	10.854	10.852	0.002	972462H	0.0100	0.0119	
2	11.386	11.385	0.001	511916H	0.0100	0.0115	
		Average of Peak Amounts =				0.0125	
						RPD = 1.74	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.450	11.449	0.001	478970H	0.000500	0.000569	
2	12.942	12.941	0.001	396618H	0.000500	0.000569	
						RPD = 0.05	

Reagents:

GCAR1660CALL1_00017	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:08:07 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418009.D

Injection Date: 19-Apr-2016 10:02:19 Instrument ID: CHGC10

Lims ID: IC

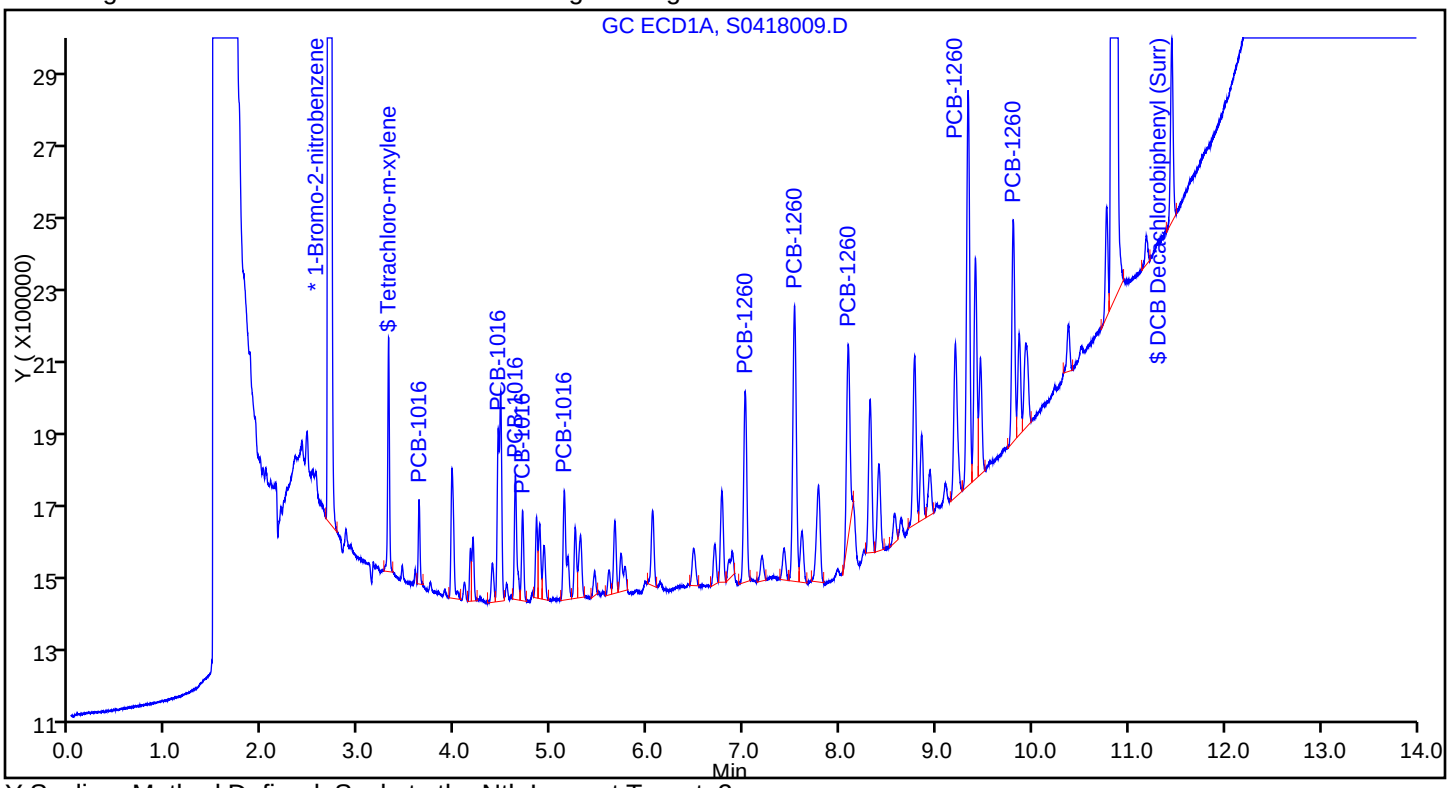
Client ID:

Operator ID: 402331 ALS Bottle#: 5 Worklist Smp#: 5

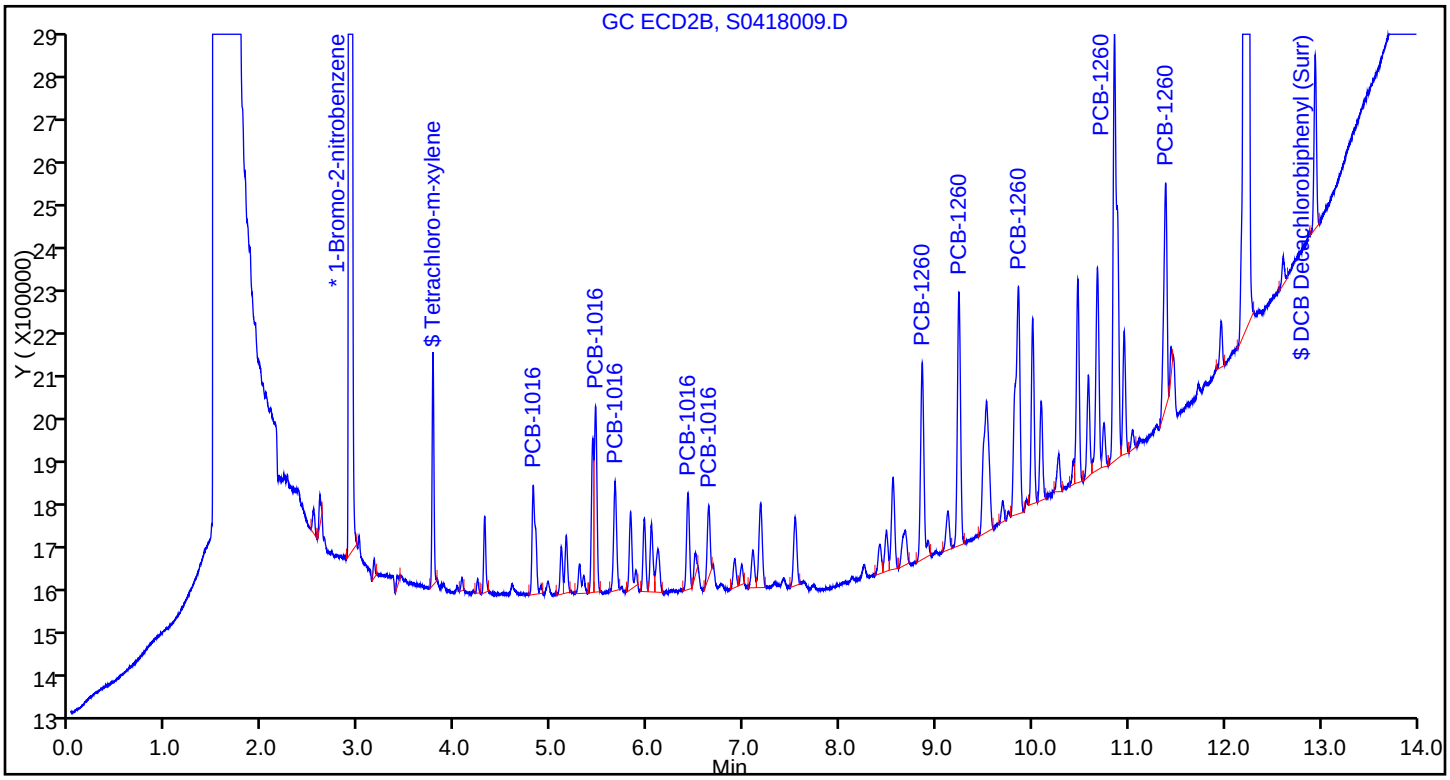
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418010.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Apr-2016 10:21:10 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-006
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:05 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 20-Apr-2016 06:05:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.690	2.691	-0.001	84514045H	0.1000	0.1000	
2	2.906	2.908	-0.001	82664164H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.303	3.304	-0.001	2685825H	0.002500	0.002647	
2	3.765	3.766	-0.001	2415022H	0.002500	0.002672	
						RPD = 0.95	
6 PCB-1016							
1	3.620	3.621	-0.001	956717H	0.0500	0.0579	
1	4.444	4.444	0.000	1905308H	0.0500	0.0556	
1	4.621	4.623	-0.002	1389845H	0.0500	0.0564	
1	4.697	4.698	-0.001	1007050H	0.0500	0.0556	
1	5.130	5.132	-0.002	1190680H	0.0500	0.0563	
		Average of Peak Amounts =				0.0564	
2	4.806	4.808	-0.002	1062256H	0.0500	0.0580	
2	5.455	5.457	-0.002	1804282H	0.0500	0.0543	
2	5.658	5.658	0.000	1070539H	0.0500	0.0566	
2	6.417	6.418	-0.001	944467H	0.0500	0.0564	
2	6.631	6.633	-0.002	822133H	0.0500	0.0585	
		Average of Peak Amounts =				0.0568	
						RPD = 0.67	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.010	7.012	-0.002	2102944H	0.0500	0.0557	
1	7.524	7.525	-0.001	3007829H	0.0500	0.0547	
1	8.081	8.084	-0.003	2544342H	0.0500	0.0561	
1	9.330	9.330	0.000	4572366H	0.0500	0.0531	
1	9.800	9.799	0.001	2587988H	0.0500	0.0542	
		Average of Peak Amounts =				0.0547	
2	8.852	8.853	-0.001	1833883H	0.0500	0.0541	
2	9.235	9.234	0.001	2395140H	0.0500	0.0547	
2	9.852	9.853	-0.001	2256620H	0.0500	0.0545	
2	10.851	10.852	-0.001	4278961H	0.0500	0.0523	
2	11.384	11.385	-0.001	2418919H	0.0500	0.0543	
		Average of Peak Amounts =				0.0540	
						RPD = 1.40	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.447	11.449	-0.002	2283101H	0.002500	0.002707	
2	12.940	12.941	-0.001	1877784H	0.002500	0.002685	
						RPD = 0.82	

Reagents:

GCAR1660CALL2_00012	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:08:05 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418010.D

Injection Date: 19-Apr-2016 10:21:10 Instrument ID: CHGC10

Lims ID: IC

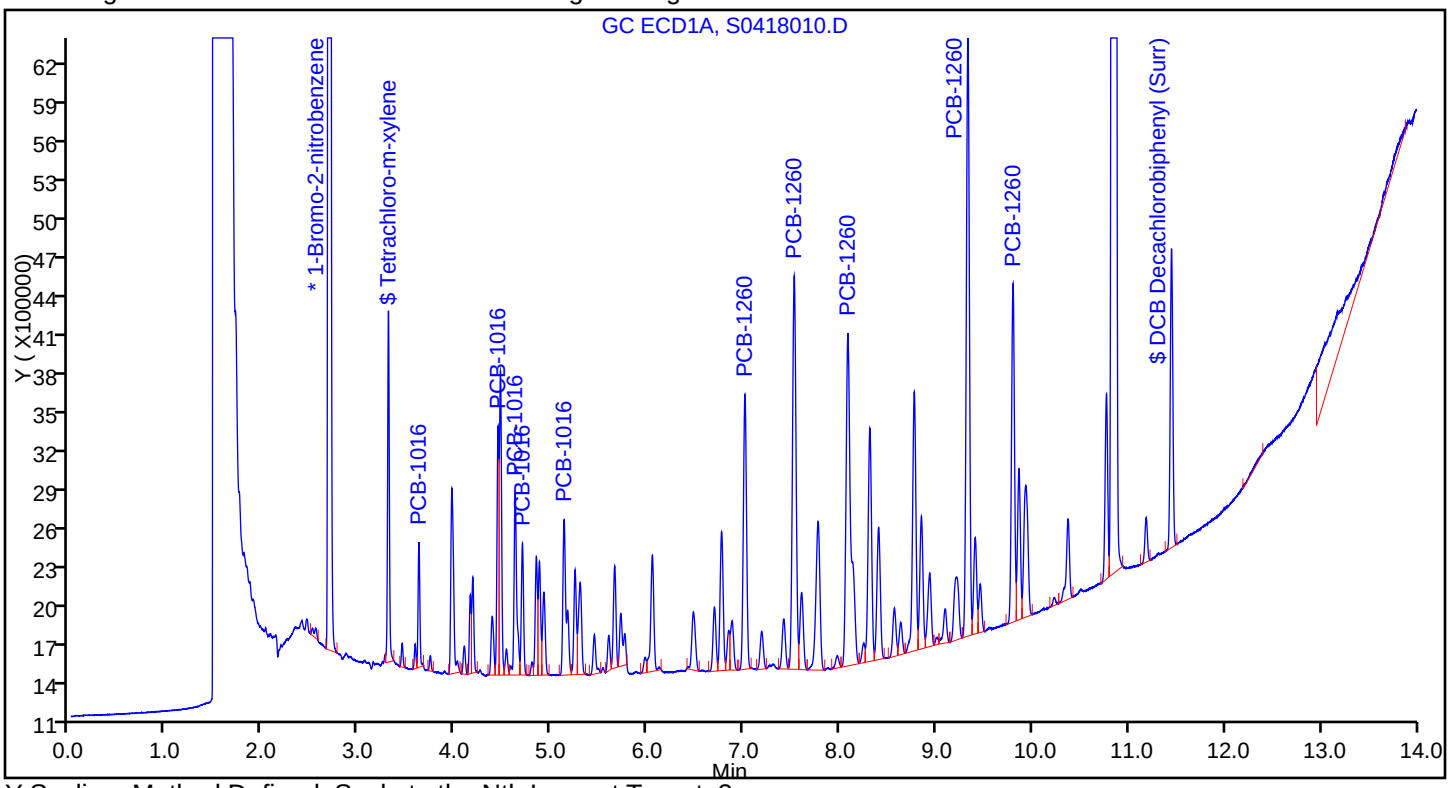
Client ID:

Operator ID: 402331 ALS Bottle#: 6 Worklist Smp#: 6

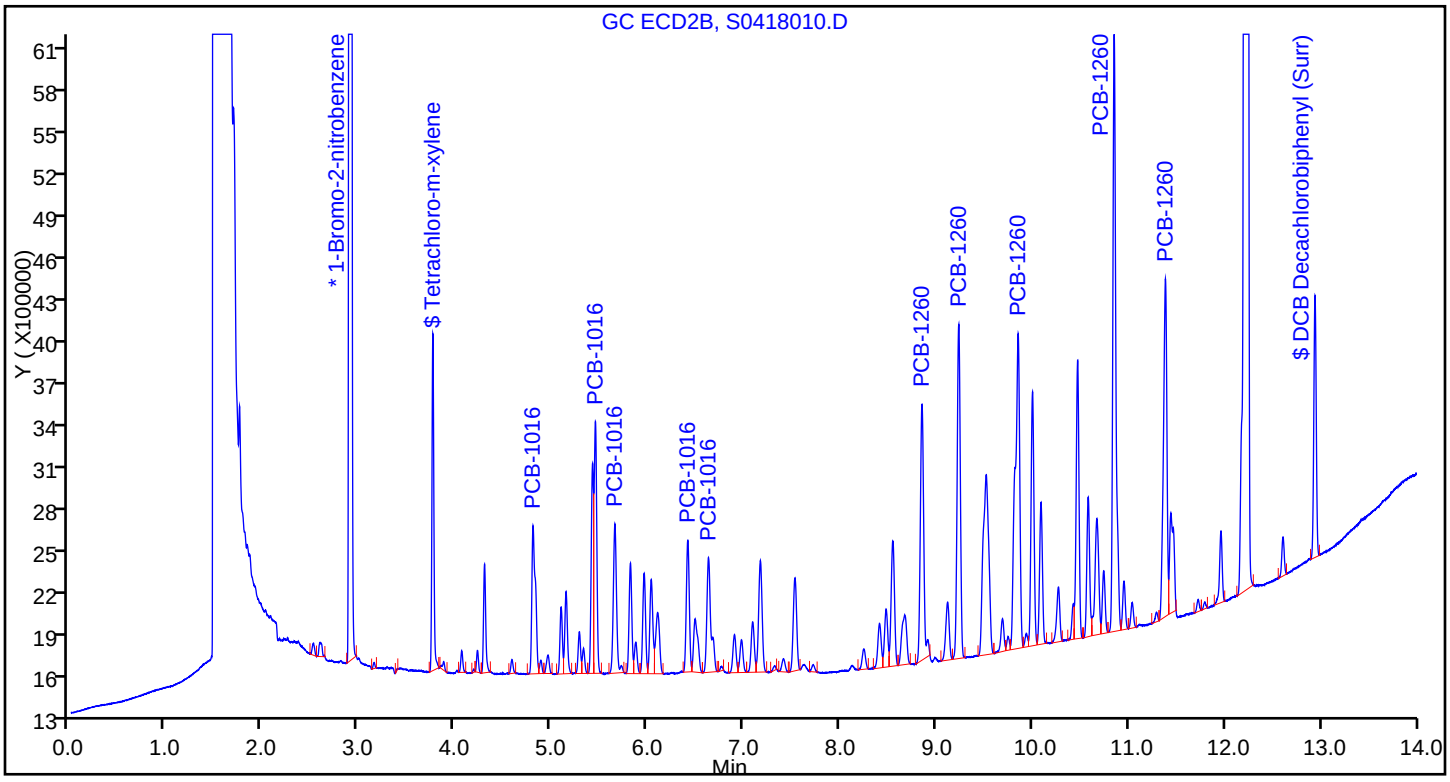
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418011.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Apr-2016 10:40:02 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-007
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:02 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 20-Apr-2016 06:06:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.690	2.691	-0.001	84743788H	0.1000	0.1000	
2	2.906	2.908	-0.001	83044091H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.303	3.304	-0.001	9824850H	0.0100	0.009655	
2	3.765	3.766	-0.001	8603335H	0.0100	0.009475	
						RPD = 1.89	
6 PCB-1016							
1	3.620	3.621	-0.001	3262227H	0.2000	0.1970	
1	4.444	4.444	0.000	6613325H	0.2000	0.1924	
1	4.621	4.623	-0.002	4798053H	0.2000	0.1943	
1	4.697	4.698	-0.001	3512644H	0.2000	0.1936	
1	5.130	5.132	-0.002	4126842H	0.2000	0.1947	
		Average of Peak Amounts =				0.1944	
2	4.807	4.808	-0.001	3585363H	0.2000	0.1948	
2	5.456	5.457	-0.001	6348518H	0.2000	0.1903	
2	5.658	5.658	0.000	3663308H	0.2000	0.1928	
2	6.416	6.418	-0.002	3278251H	0.2000	0.1949	
2	6.632	6.633	-0.001	2828086H	0.2000	0.2003	
		Average of Peak Amounts =				0.1946	
						RPD = 0.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.010	7.012	-0.002	7380514H	0.2000	0.1948	
1	7.524	7.525	-0.001	10810227H	0.2000	0.1962	
1	8.081	8.084	-0.003	9164858H	0.2000	0.2015	
1	9.330	9.330	0.000	17271583H	0.2000	0.1999	
1	9.800	9.799	0.001	9450553H	0.2000	0.1973	
		Average of Peak Amounts =				0.1979	
2	8.853	8.853	0.000	6632292H	0.2000	0.1946	
2	9.235	9.234	0.001	8485743H	0.2000	0.1927	
2	9.853	9.853	0.000	8100545H	0.2000	0.1946	
2	10.851	10.852	-0.001	15616885H	0.2000	0.1902	
2	11.384	11.385	-0.001	8647734H	0.2000	0.1934	
		Average of Peak Amounts =				0.1931	
						RPD = 2.45	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.449	11.449	0.000	8233058H	0.0100	0.009734	
2	12.940	12.941	-0.001	6801511H	0.0100	0.009679	
						RPD = 0.56	

Reagents:

GCAR1660CALL3_00011 Amount Added: 1.00 Units: mL

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Apr-2016 06:08:02 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418011.D

Injection Date: 19-Apr-2016 10:40:02 Instrument ID: CHGC10

Lims ID: IC

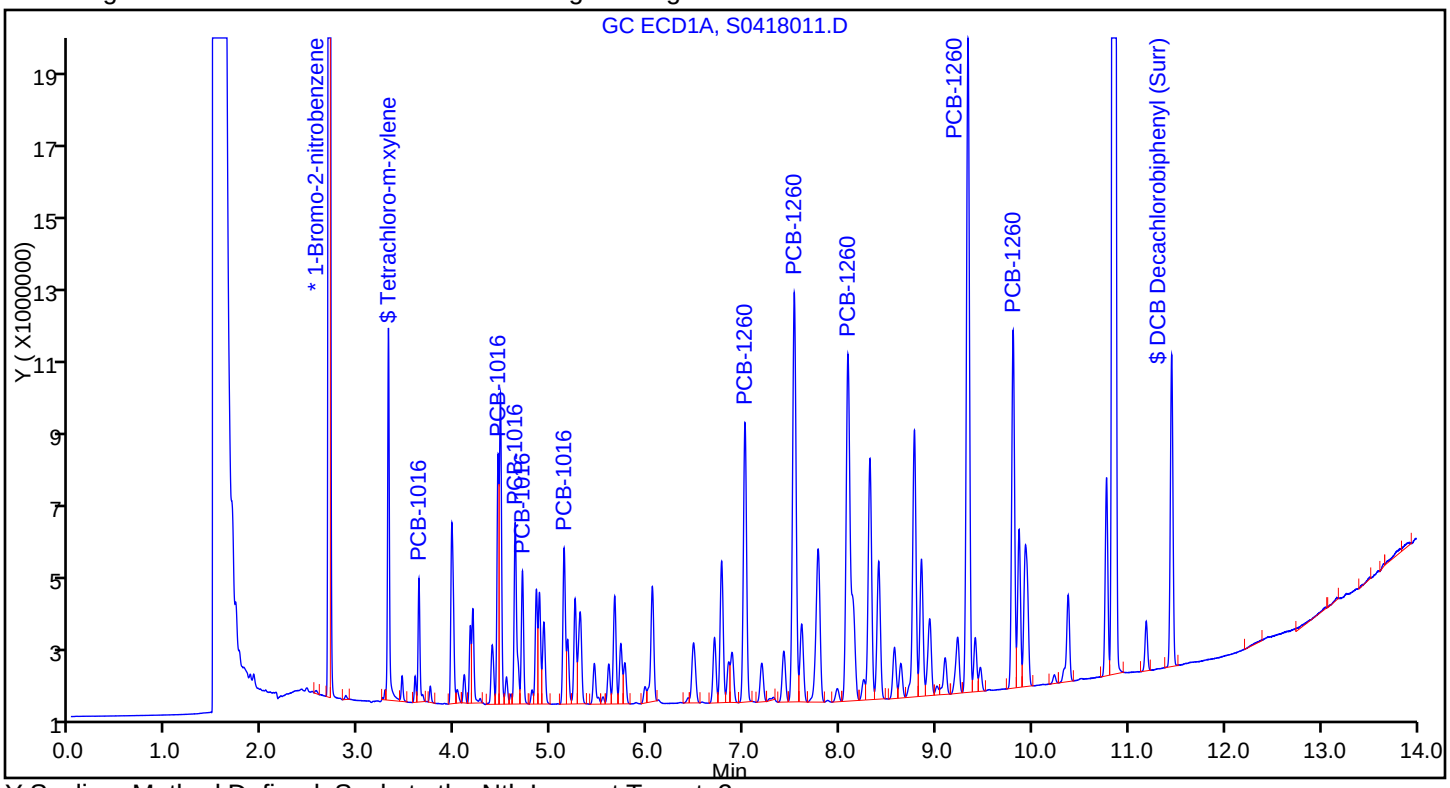
Client ID:

Operator ID: 402331 ALS Bottle#: 7 Worklist Smp#: 7

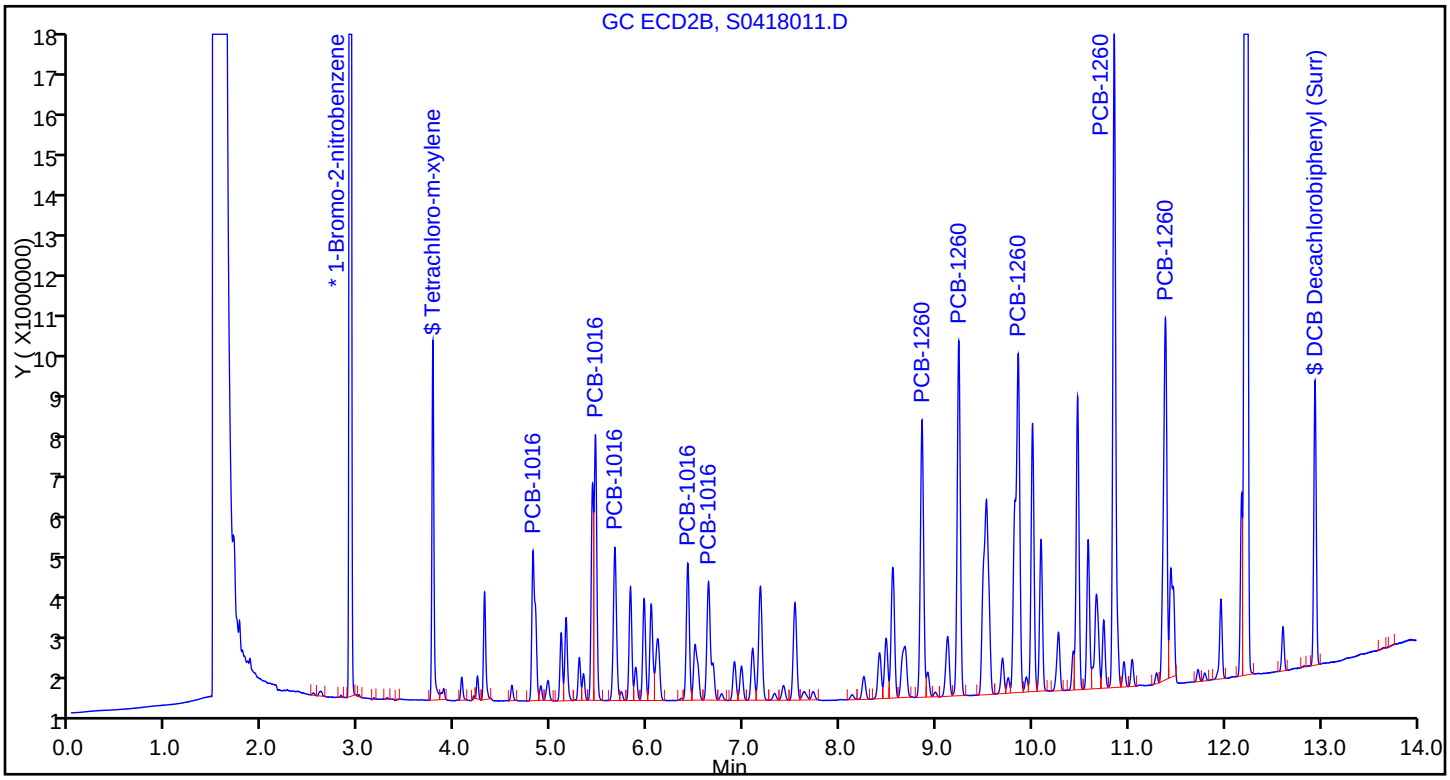
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418012.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 19-Apr-2016 10:58:54 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-008
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:07:59 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 19-Apr-2016 12:50:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.691	2.691	0.000	82507417H	0.1000	0.1000	
2	2.908	2.908	0.000	79758370H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.304	3.304	0.000	24002235H	0.0250	0.0242	
2	3.766	3.766	0.000	20992710H	0.0250	0.0241	
						RPD = 0.65	
6 PCB-1016							
1	3.621	3.621	0.000	7456208H	0.5000	0.4625	
1	4.444	4.444	0.000	15755321H	0.5000	0.4707	
1	4.623	4.623	0.000	11338152H	0.5000	0.4716	
1	4.698	4.698	0.000	8339831H	0.5000	0.4721	
1	5.132	5.132	0.000	9680825H	0.5000	0.4691	
		Average of Peak Amounts =				0.4692	
2	4.808	4.808	0.000	8205170H	0.5000	0.4641	
2	5.457	5.457	0.000	15298967H	0.5000	0.4775	
2	5.658	5.658	0.000	8594883H	0.5000	0.4710	
2	6.418	6.418	0.000	7580406H	0.5000	0.4693	
2	6.633	6.633	0.000	6417728H	0.5000	0.4733	
		Average of Peak Amounts =				0.4710	
						RPD = 0.39	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.012	7.012	0.000	17909525H	0.5000	0.4855	
1	7.525	7.525	0.000	26553844H	0.5000	0.4949	
1	8.084	8.084	0.000	22544499H	0.5000	0.5090	
1	9.330	9.330	0.000	42941247H	0.5000	0.5104	
1	9.799	9.799	0.000	23397460H	0.5000	0.5016	
		Average of Peak Amounts =				0.5003	
2	8.853	8.853	0.000	15970563H	0.5000	0.4880	
2	9.234	9.234	0.000	20563838H	0.5000	0.4863	
2	9.853	9.853	0.000	19702459H	0.5000	0.4929	
2	10.852	10.852	0.000	39667834H	0.5000	0.5029	
2	11.385	11.385	0.000	22105519H	0.5000	0.5148	
		Average of Peak Amounts =				0.4970	
						RPD = 0.66	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.449	11.449	0.000	20988870H	0.0250	0.0255	
2	12.941	12.941	0.000	16982480H	0.0250	0.0252	
						RPD = 1.28	

Reagents:

GCAR1660CALL4_00011	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:08:00 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418012.D

Injection Date: 19-Apr-2016 10:58:54 Instrument ID: CHGC10

Lims ID: ICIS

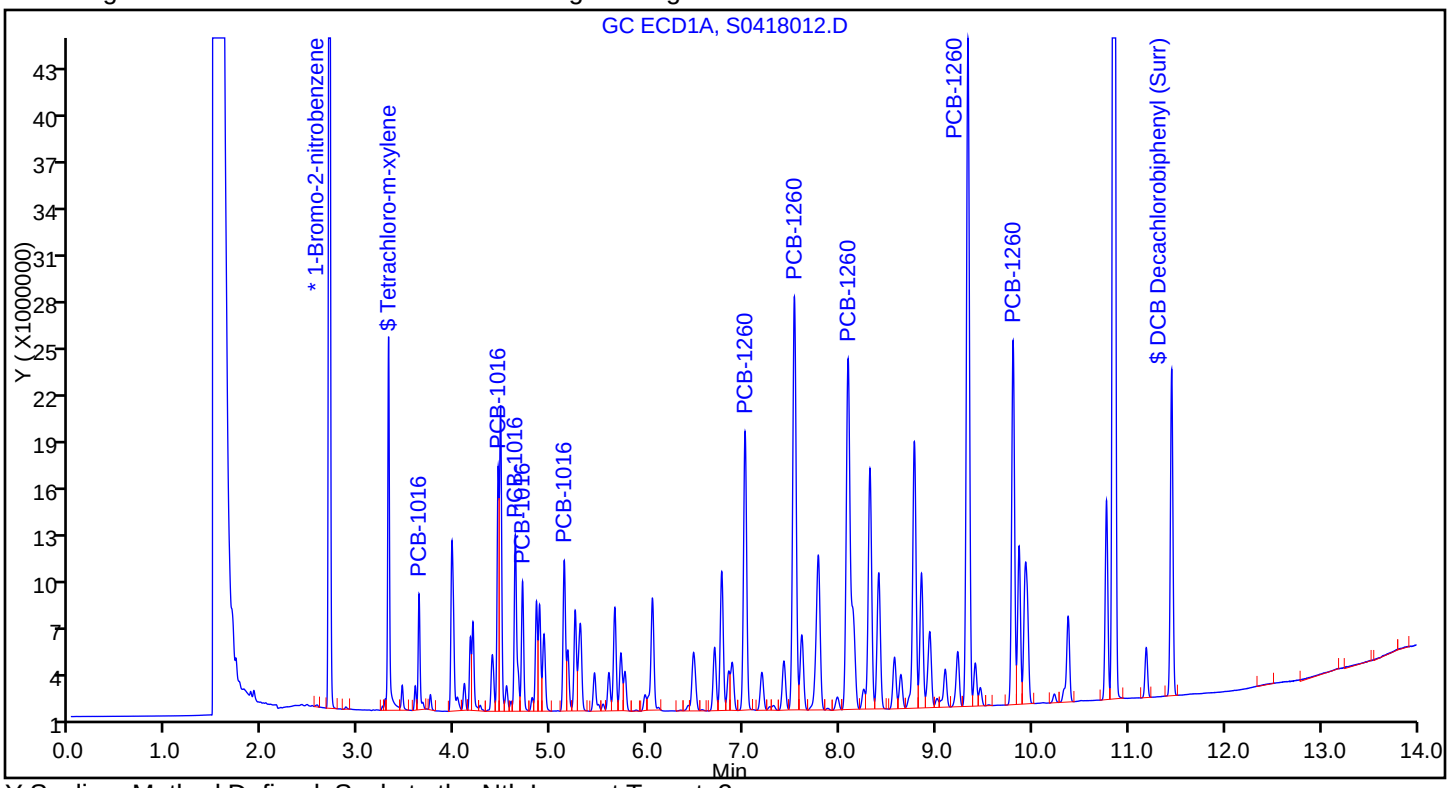
Client ID:

Operator ID: 402331 ALS Bottle#: 8 Worklist Smp#: 8

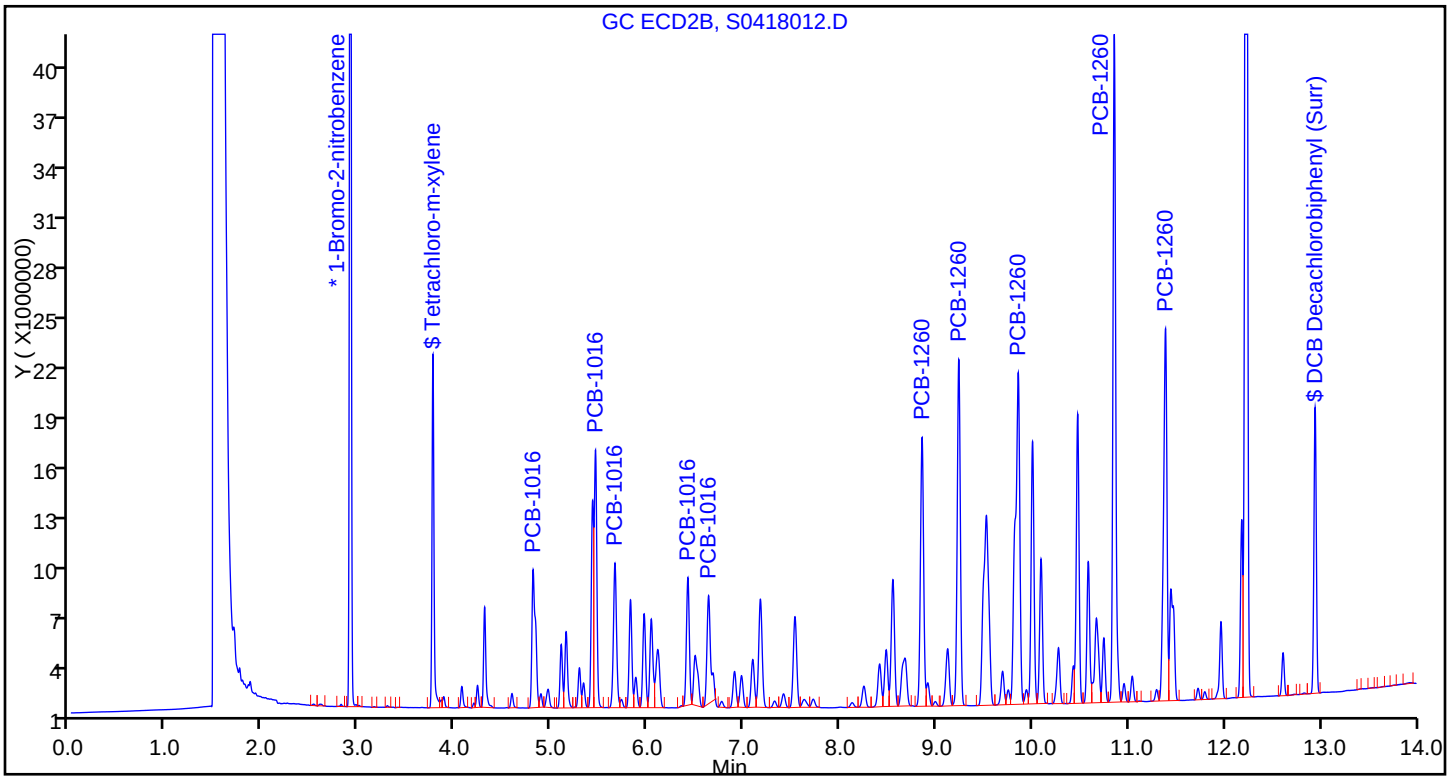
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418013.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-Apr-2016 11:17:47 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-009
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:07:56 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.691	2.691	0.000	87835335H	0.1000	0.1000	
2	2.908	2.908	0.001	85106778H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.304	3.304	0.000	49435040H	0.0500	0.0469	
2	3.767	3.766	0.001	43384431H	0.0500	0.0466	
						RPD = 0.54	
6 PCB-1016							
1	3.622	3.621	0.001	14800383H	1.00	0.8623	
1	4.445	4.444	0.001	31619005H	1.00	0.8874	
1	4.622	4.623	-0.001	22558531H	1.00	0.8814	
1	4.698	4.698	0.000	16676975H	1.00	0.8867	
1	5.132	5.132	0.000	19181564H	1.00	0.8730	
		Average of Peak Amounts =				0.8782	
2	4.808	4.808	0.000	16242176H	1.00	0.8610	
2	5.457	5.457	0.000	30852156H	1.00	0.9024	
2	5.659	5.658	0.001	17088138H	1.00	0.8776	
2	6.417	6.418	-0.001	15179544H	1.00	0.8807	
2	6.632	6.633	-0.001	13034006H	1.00	0.9008	
		Average of Peak Amounts =				0.8845	
						RPD = 0.72	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.012	7.012	0.000	34828217H	1.00	0.8869	
1	7.525	7.525	0.000	51097169H	1.00	0.8945	
1	8.083	8.084	-0.001	44023783H	1.00	0.9337	
1	9.331	9.330	0.001	83697400H	1.00	0.9345	
1	9.800	9.799	0.001	45650756H	1.00	0.9193	
		Average of Peak Amounts =				0.9138	
2	8.852	8.853	-0.001	31195800H	1.00	0.8933	
2	9.235	9.234	0.001	40539178H	1.00	0.8985	
2	9.853	9.853	0.000	38450945H	1.00	0.9014	
2	10.852	10.852	0.000	77814630H	1.00	0.9246	
2	11.385	11.385	0.000	43017889H	1.00	0.9388	
		Average of Peak Amounts =				0.9113	
						RPD = 0.27	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.449	11.449	0.000	41099504H	0.0500	0.0469	
2	12.940	12.941	-0.001	33103707H	0.0500	0.0460	
						RPD = 1.97	

Reagents:

GCAR1660CALL5_00012 Amount Added: 1.00 Units: mL
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Apr-2016 06:07:57 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418013.D

Injection Date: 19-Apr-2016 11:17:47 Instrument ID: CHGC10

Lims ID: IC

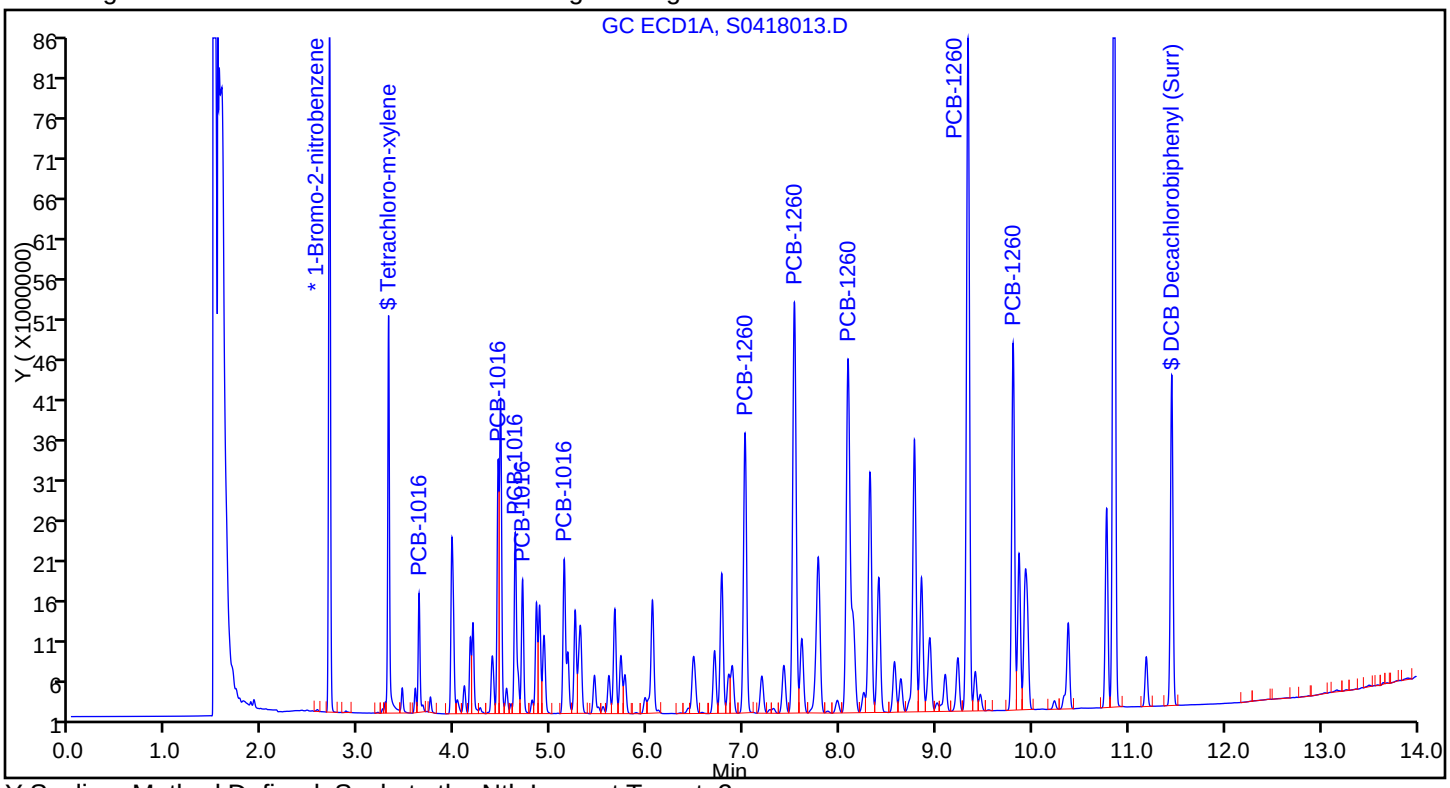
Client ID:

Operator ID: 402331 ALS Bottle#: 9 Worklist Smp#: 9

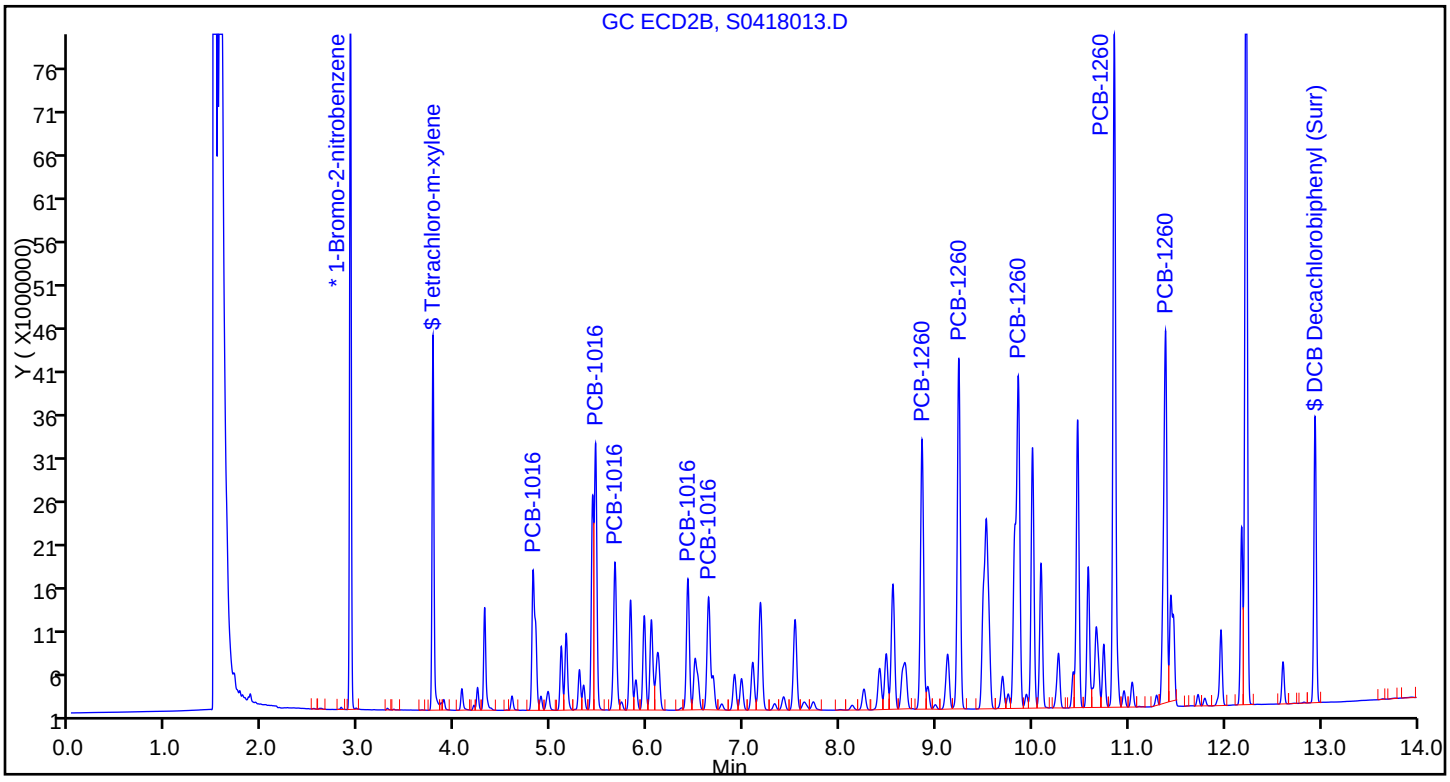
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418014.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 19-Apr-2016 11:36:39 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-010
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:07:53 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.693	2.691	0.002	87194962H	0.1000	0.1000	
2	2.910	2.908	0.002	84068886H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.307	3.304	0.003	93902739H	0.1000	0.0897	
2	3.768	3.766	0.002	84916410H	0.1000	0.0924	
						RPD = 2.95	
6 PCB-1016							
1	3.623	3.621	0.002	28743742H	2.00	1.69	
1	4.446	4.444	0.002	61684006H	2.00	1.74	
1	4.625	4.623	0.002	44032761H	2.00	1.73	
1	4.700	4.698	0.002	32874501H	2.00	1.76	
1	5.133	5.132	0.001	37604574H	2.00	1.72	
		Average of Peak Amounts =				1.73	
2	4.810	4.808	0.002	31284482H	2.00	1.68	
2	5.458	5.457	0.001	60581117H	2.00	1.79	
2	5.661	5.658	0.003	33174041H	2.00	1.72	
2	6.419	6.418	0.001	29632965H	2.00	1.74	
2	6.635	6.633	0.002	25782252H	2.00	1.80	
		Average of Peak Amounts =				1.75	
						RPD = 1.07	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.014	7.012	0.002	69135261H	2.00	1.77	
1	7.527	7.525	0.002	100729726H	2.00	1.78	
1	8.085	8.084	0.001	87113152H	2.00	1.86	
1	9.333	9.330	0.003	163571835H	2.00	1.84	
1	9.801	9.799	0.002	90794063H	2.00	1.84	
		Average of Peak Amounts =				1.82	
2	8.855	8.853	0.002	61144205H	2.00	1.77	
2	9.236	9.234	0.002	78902042H	2.00	1.77	
2	9.855	9.853	0.002	76762736H	2.00	1.82	
2	10.853	10.852	0.001	157233517H	2.00	1.89	
2	11.386	11.385	0.001	80910110H	2.00	1.79	
		Average of Peak Amounts =				1.81	
						RPD = 0.54	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.450	11.449	0.001	81563291H	0.1000	0.0937	
2	12.941	12.941	0.000	68032760H	0.1000	0.0956	
						RPD = 2.03	

Reagents:

GCAR1660CALL6_00010	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:07:54 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418014.D

Injection Date: 19-Apr-2016 11:36:39 Instrument ID: CHGC10

Lims ID: IC

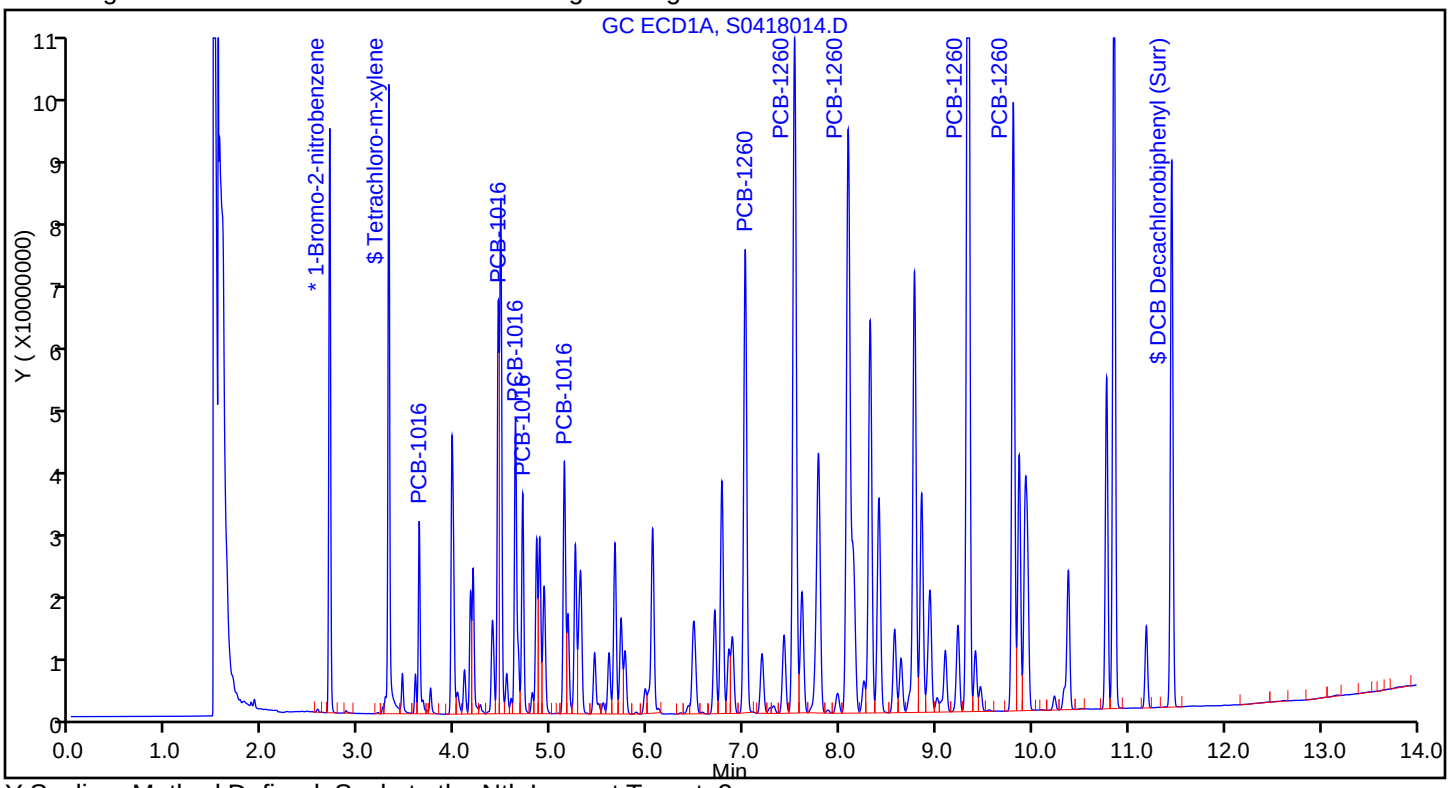
Client ID:

Operator ID: 402331 ALS Bottle#: 10 Worklist Smp#: 10

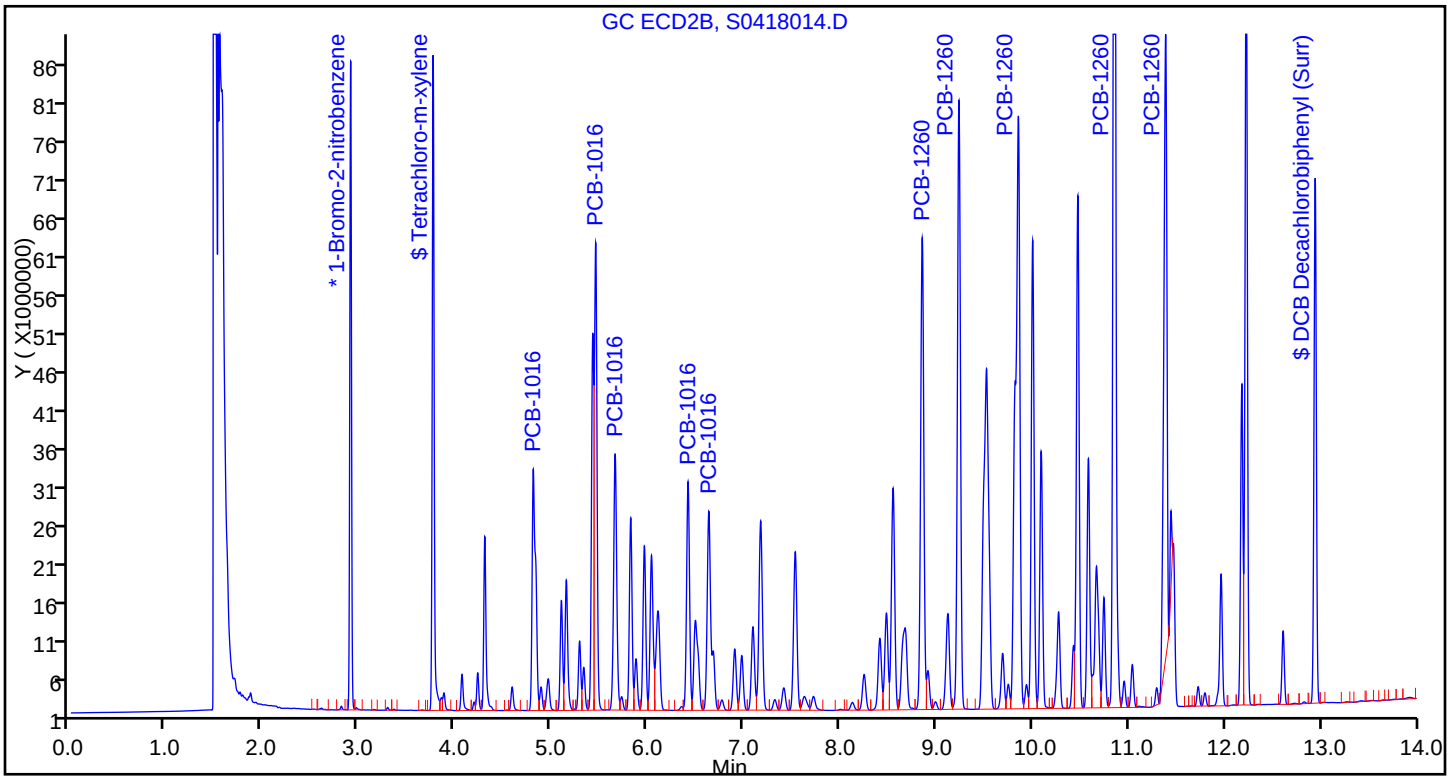
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 19-Apr-2016 11:55:32 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-011
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:07:50 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.696	2.691	0.005	88352885H	0.1000	0.1000	
2	2.912	2.908	0.005	85493621H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.309	3.304	0.005	205679262H	0.2000	0.1939	
2	3.770	3.766	0.004	184368742H	0.2000	0.1972	
						RPD = 1.71	
6 PCB-1016							
1	3.625	3.621	0.004	61765611H	4.00	3.58	
1	4.447	4.444	0.003	130047734H	4.00	3.63	
1	4.626	4.623	0.003	92086799H	4.00	3.58	
1	4.701	4.698	0.003	68965515H	4.00	3.65	
1	5.133	5.132	0.001	77392964H	4.00	3.50	
		Average of Peak Amounts =				3.59	
2	4.811	4.808	0.003	66345643H	4.00	3.50	
2	5.460	5.457	0.003	127374333H	4.00	3.71	
2	5.661	5.658	0.003	70137063H	4.00	3.59	
2	6.419	6.418	0.001	61285010H	4.00	3.54	
2	6.635	6.633	0.002	52898454H	4.00	3.64	
		Average of Peak Amounts =				3.59	
						RPD = 0.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.013	7.012	0.001	134420624H	4.00	3.40	
1	7.525	7.525	0.000	194250047H	4.00	3.38	
1	8.083	8.084	-0.001	166559613H	4.00	3.51	
1	9.331	9.330	0.001	312672221H	4.00	3.47	
1	9.799	9.799	0.000	174541658H	4.00	3.49	
		Average of Peak Amounts =				3.45	
2	8.853	8.853	0.000	121101319H	4.00	3.45	
2	9.235	9.234	0.001	156506981H	4.00	3.45	
2	9.853	9.853	0.000	151702612H	4.00	3.54	
2	10.852	10.852	0.000	315303953H	4.00	3.73	
2	11.385	11.385	0.000	171199135H	4.00	3.72	
		Average of Peak Amounts =				3.58	
						RPD = 3.61	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.447	11.449	-0.002	160693157H	0.2000	0.1822	
2	12.941	12.941	0.000	135709879H	0.2000	0.1876	
						RPD = 2.91	

Reagents:

GCAR1660CALL7_00011	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:07:51 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Injection Date: 19-Apr-2016 11:55:32 Instrument ID: CHGC10

Lims ID: IC

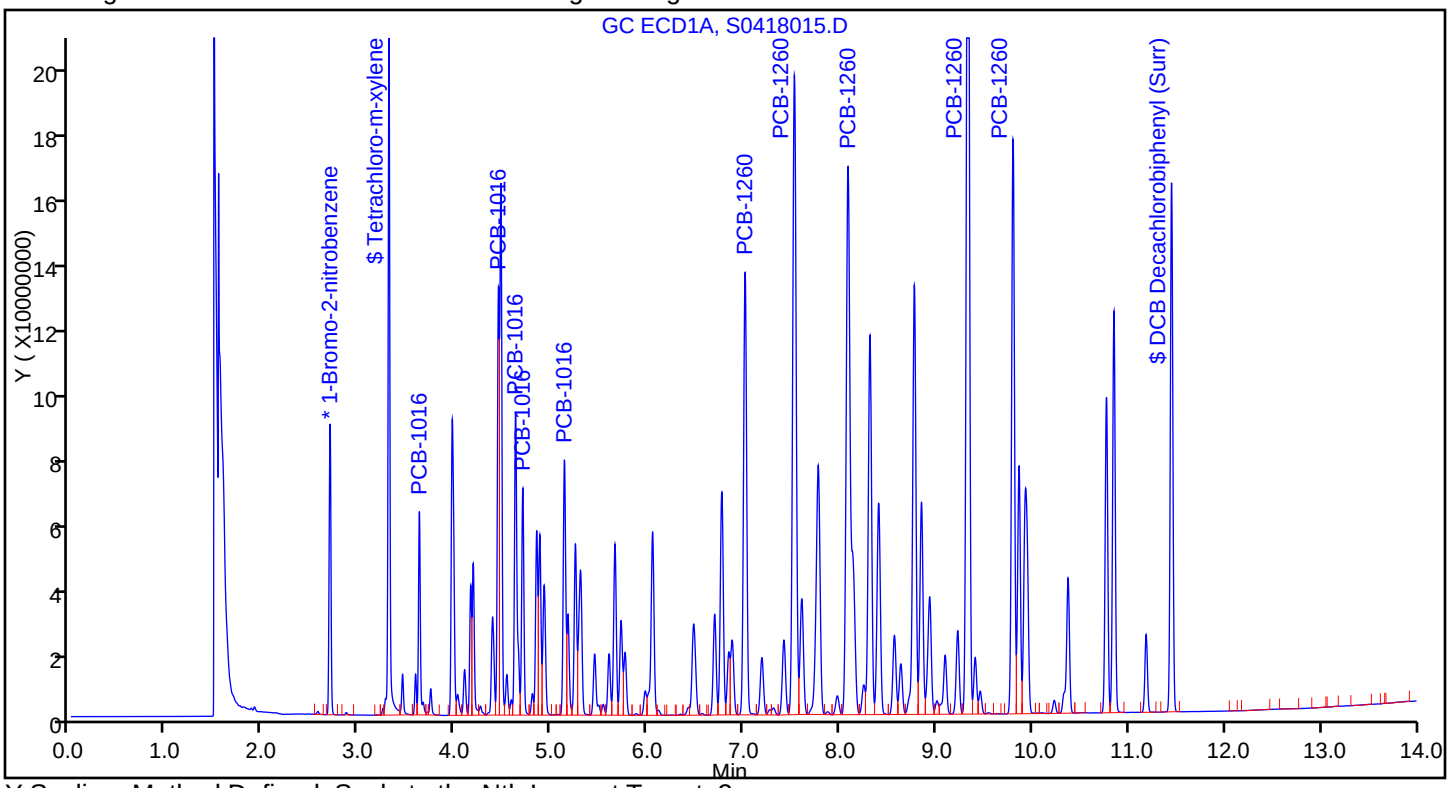
Client ID:

Operator ID: 402331 ALS Bottle#: 11 Worklist Smp#: 11

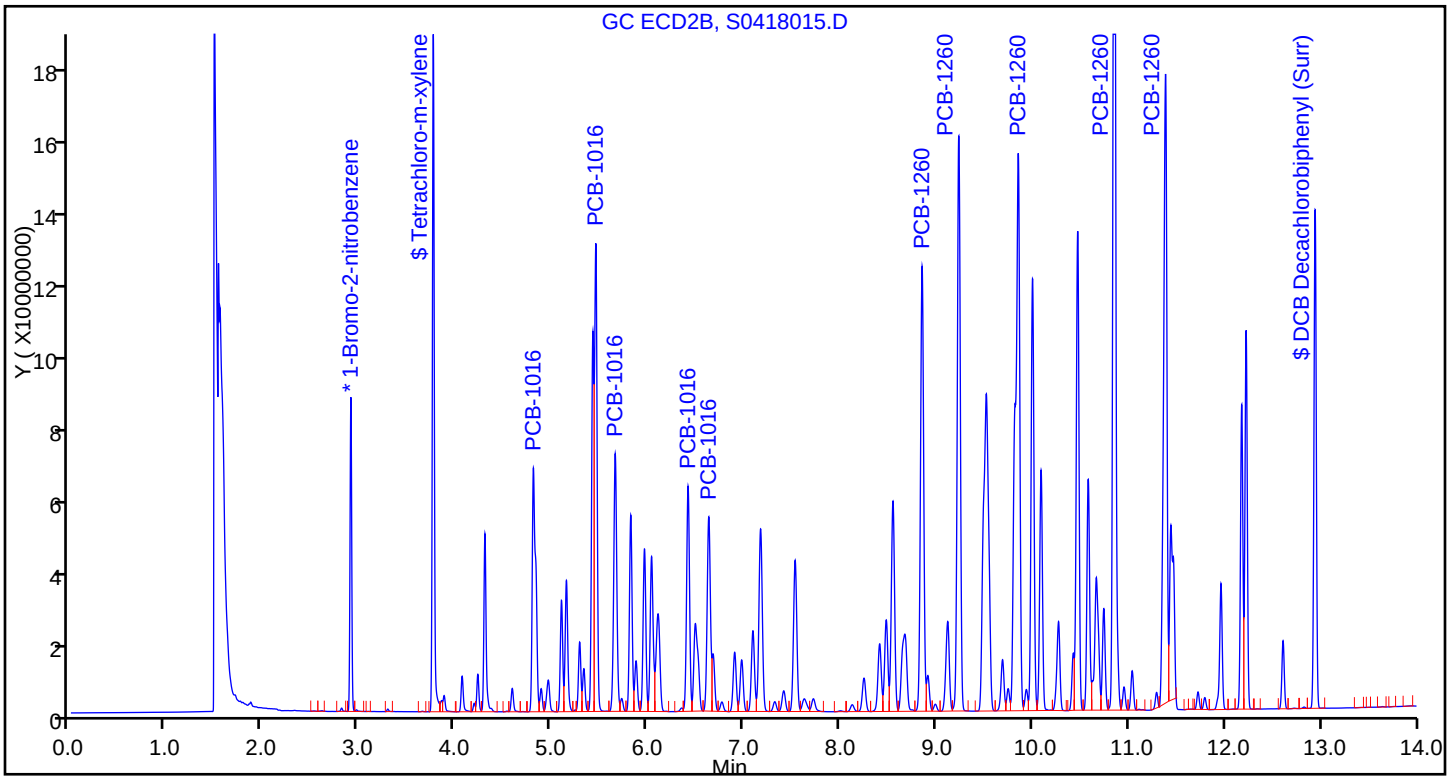
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 10:02 Calibration End Date: 04/19/2016 11:55 Calibration ID: 30275

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/5	S0418009.D
Level 2	IC 180-173857/6	S0418010.D
Level 3	IC 180-173857/7	S0418011.D
Level 4	ICIS 180-173857/8	S0418012.D
Level 5	IC 180-173857/9	S0418013.D
Level 6	IC 180-173857/10	S0418014.D
Level 7	IC 180-173857/11	S0418015.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0302 0.0186	0.0257 0.0194	0.0216	0.0206	0.0191	Ave		0.0222				19.3		20.0			
PCB-1016 Peak 2	0.0514 0.0360	0.0437 0.0372	0.0382	0.0384	0.0363	Ave		0.0402				13.9		20.0			
PCB-1016 Peak 3	0.0303 0.0197	0.0259 0.0205	0.0221	0.0216	0.0201	Ave		0.0229				17.0		20.0			
PCB-1016 Peak 4	0.0268 0.0176	0.0229 0.0179	0.0197	0.0190	0.0178	Ave		0.0203				16.8		20.0			
PCB-1016 Peak 5	0.0199 0.0153	0.0199 0.0155	0.0170	0.0161	0.0153	Ave		0.0170				12.1		20.0			
PCB-1260 Peak 1	0.0545 0.0364	0.0444 0.0354	0.0399	0.0400	0.0367	Ave		0.0410				16.2		20.0			
PCB-1260 Peak 2	0.0702 0.0469	0.0579 0.0458	0.0511	0.0516	0.0476	Ave		0.0530				16.2		20.0			
PCB-1260 Peak 3	0.0629 0.0457	0.0546 0.0444	0.0488	0.0494	0.0452	Ave		0.0501				13.2		20.0			
PCB-1260 Peak 4	0.1181 0.0935	0.1035 0.0922	0.0940	0.0995	0.0914	Ave		0.0989				9.6		20.0			
PCB-1260 Peak 5	0.0621 0.0481	0.0585 0.0501	0.0521	0.0554	0.0505	Ave		0.0538				9.4		20.0			
Tetrachloro-m-xylene	1.2889 1.0101	1.1686 1.0783	1.0360	1.0528	1.0195	Ave		1.0935				9.3		20.0			
DCB Decachlorobiphenyl (Surr)	0.9630 0.8093	0.9086 0.7937	0.8190	0.8517	0.7779	Ave		0.8462				7.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1 Analy Batch No.: 173857

SDG No.:

Instrument ID: CHGC10 GC Column: RTX-CLP2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2016 10:02 Calibration End Date: 04/19/2016 11:55 Calibration ID: 30275

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-173857/5	S0418009.D
Level 2	IC 180-173857/6	S0418010.D
Level 3	IC 180-173857/7	S0418011.D
Level 4	ICIS 180-173857/8	S0418012.D
Level 5	IC 180-173857/9	S0418013.D
Level 6	IC 180-173857/10	S0418014.D
Level 7	IC 180-173857/11	S0418015.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	248853 31284482	1062256 66345643	3585363	8205170	16242176	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 2	BNB	Ave	423625 60581117	1804282 127374333	6348518	15298967	30852156	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 3	BNB	Ave	249830 33174041	1070539 70137063	3663308	8594883	17088138	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 4	BNB	Ave	220672 29632965	944467 61285010	3278251	7580406	15179544	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 5	BNB	Ave	163725 25782252	822133 52898454	2828086	6417728	13034006	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 1	BNB	Ave	448572 61144205	1833883 121101319	6632292	15970563	31195800	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 2	BNB	Ave	578117 78902042	2395140 156506981	8485743	20563838	40539178	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 3	BNB	Ave	517875 76762736	2256620 151702612	8100545	19702459	38450945	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 4	BNB	Ave	972462 157233517	4278961 315303953	15616885	39667834	77814630	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 5	BNB	Ave	511916 80910110	2418919 171199135	8647734	22105519	43017889	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
Tetrachloro-m-xylene	BNB	Ave	530846 84916410	2415022 184368742	8603335	20992710	43384431	0.000500 0.100	0.00250 0.200	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl (Surr)	BNB	Ave	396618 68032760	1877784 135709879	6801511	16982480	33103707	0.000500 0.100	0.00250 0.200	0.0100	0.0250	0.0500

Curve Type Legend:
Ave = Average ISTD by Height

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418009.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Apr-2016 10:02:19 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-005
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:07 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 20-Apr-2016 06:05:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.691	2.691	0.000	84289349H	0.1000	0.1000	
2	2.908	2.908	0.000	82372458H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.304	3.304	0.000	608865H	0.000500	0.000602	
2	3.767	3.766	0.001	530846H	0.000500	0.000589	
						RPD = 2.05	
6 PCB-1016							
1	3.622	3.621	0.001	219224H	0.0100	0.0133	
1	4.445	4.444	0.001	450824H	0.0100	0.0132	
1	4.623	4.623	0.000	322776H	0.0100	0.0131	
1	4.698	4.698	0.000	234034H	0.0100	0.0130	
1	5.132	5.132	0.000	284965H	0.0100	0.0135	
		Average of Peak Amounts =				0.0132	
2	4.810	4.808	0.002	248853H	0.0100	0.0136	
2	5.457	5.457	0.000	423625H	0.0100	0.0128	
2	5.660	5.658	0.002	249830H	0.0100	0.0133	
2	6.418	6.418	0.000	220672H	0.0100	0.0132	
2	6.634	6.633	0.001	163725H	0.0100	0.0117	
		Average of Peak Amounts =				0.0129	
						RPD = 2.32	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.013	7.012	0.001	496575H	0.0100	0.0132	
1	7.527	7.525	0.002	716433H	0.0100	0.0131	
1	8.084	8.084	0.000	502676H	0.0100	0.0111	
1	9.332	9.330	0.002	1028454H	0.0100	0.0120	
1	9.800	9.799	0.001	578273H	0.0100	0.0121	
		Average of Peak Amounts =				0.0123	
2	8.855	8.853	0.002	448572H	0.0100	0.0133	
2	9.236	9.234	0.002	578117H	0.0100	0.0132	
2	9.855	9.853	0.002	517875H	0.0100	0.0125	
2	10.854	10.852	0.002	972462H	0.0100	0.0119	
2	11.386	11.385	0.001	511916H	0.0100	0.0115	
		Average of Peak Amounts =				0.0125	
						RPD = 1.74	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.450	11.449	0.001	478970H	0.000500	0.000569	
2	12.942	12.941	0.001	396618H	0.000500	0.000569	
						RPD = 0.05	

Reagents:

GCAR1660CALL1_00017	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:08:08 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418009.D

Injection Date: 19-Apr-2016 10:02:19 Instrument ID: CHGC10

Lims ID: IC

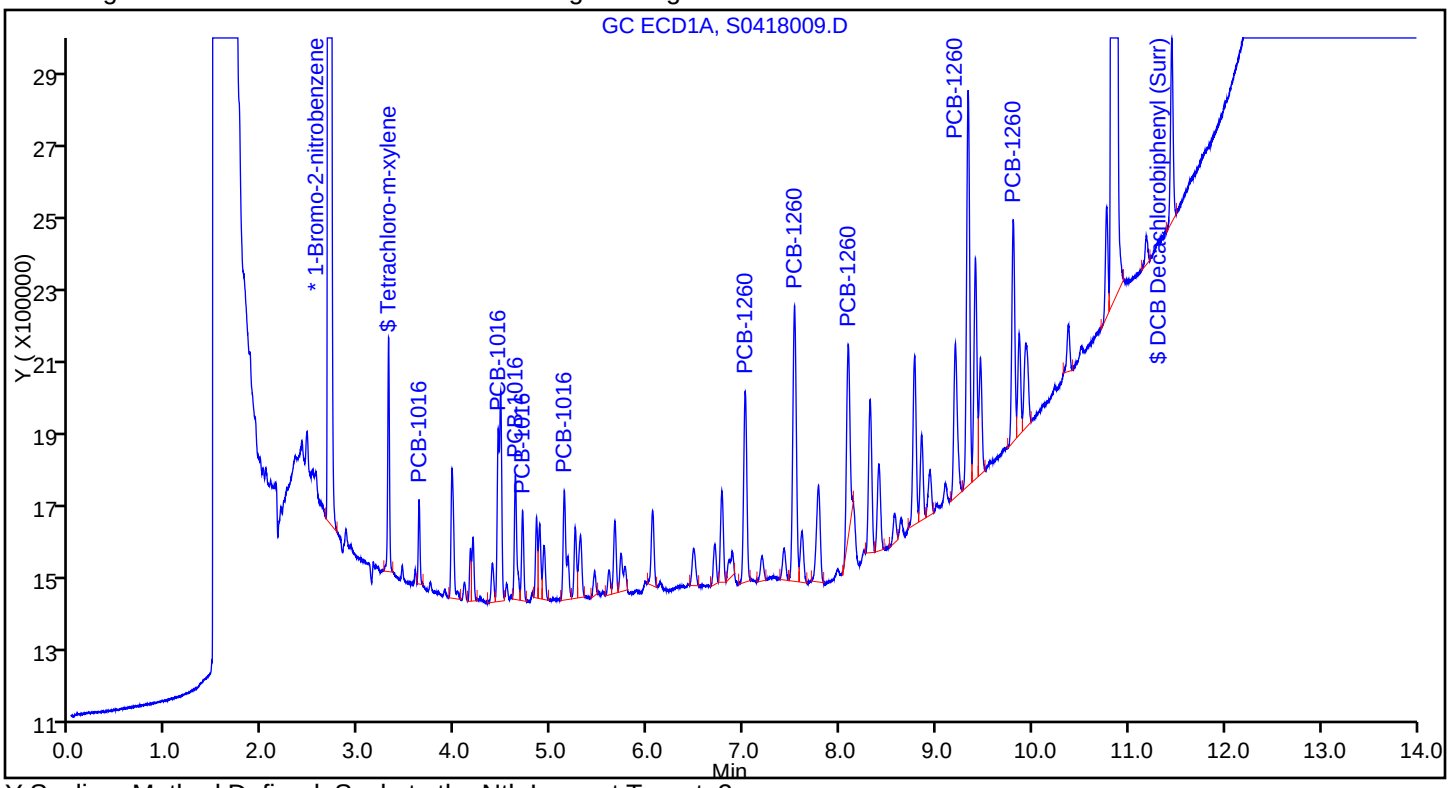
Client ID:

Operator ID: 402331 ALS Bottle#: 5 Worklist Smp#: 5

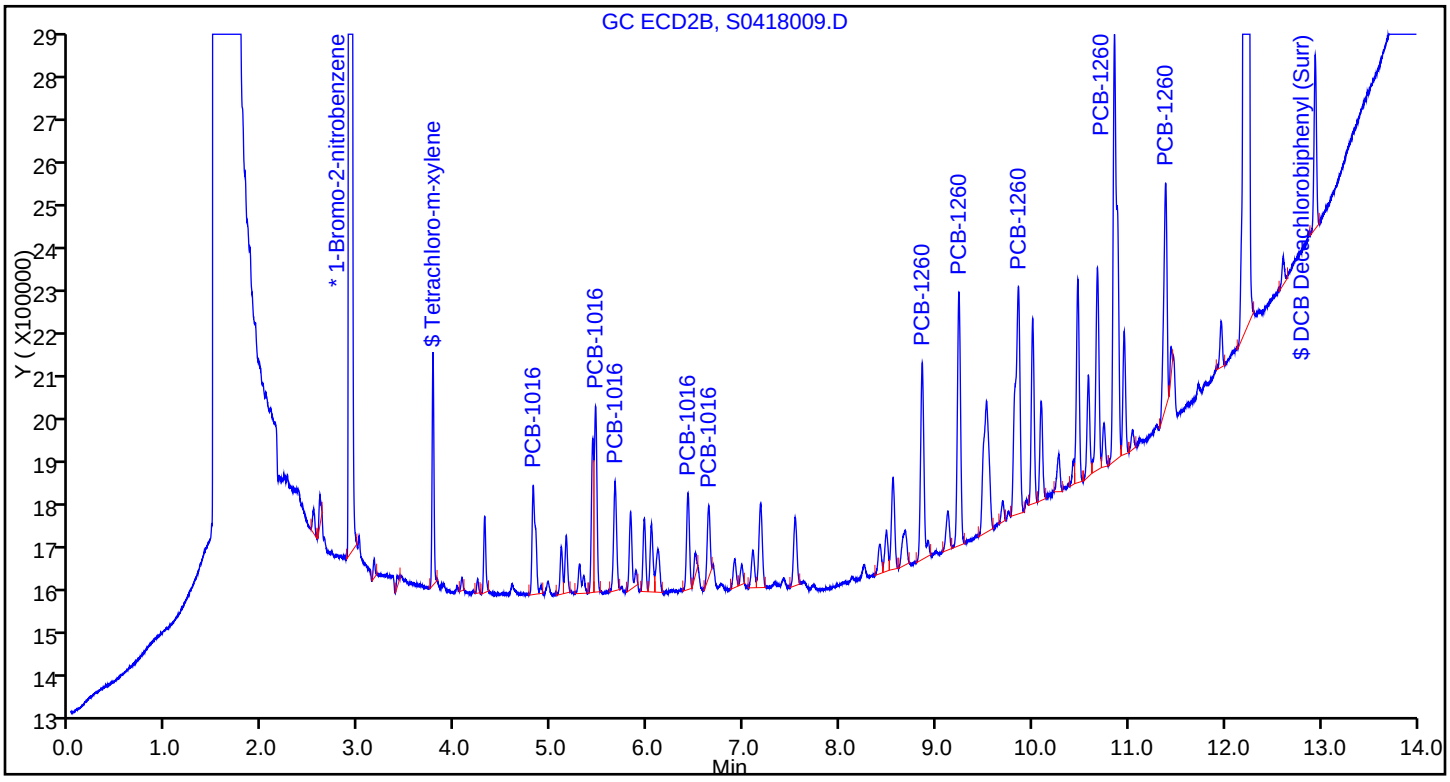
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418010.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Apr-2016 10:21:10 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-006
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:05 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 20-Apr-2016 06:05:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.690	2.691	-0.001	84514045H	0.1000	0.1000	
2	2.906	2.908	-0.001	82664164H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.303	3.304	-0.001	2685825H	0.002500	0.002647	
2	3.765	3.766	-0.001	2415022H	0.002500	0.002672	
						RPD = 0.95	
6 PCB-1016							
1	3.620	3.621	-0.001	956717H	0.0500	0.0579	
1	4.444	4.444	0.000	1905308H	0.0500	0.0556	
1	4.621	4.623	-0.002	1389845H	0.0500	0.0564	
1	4.697	4.698	-0.001	1007050H	0.0500	0.0556	
1	5.130	5.132	-0.002	1190680H	0.0500	0.0563	
		Average of Peak Amounts =				0.0564	
2	4.806	4.808	-0.002	1062256H	0.0500	0.0580	
2	5.455	5.457	-0.002	1804282H	0.0500	0.0543	
2	5.658	5.658	0.000	1070539H	0.0500	0.0566	
2	6.417	6.418	-0.001	944467H	0.0500	0.0564	
2	6.631	6.633	-0.002	822133H	0.0500	0.0585	
		Average of Peak Amounts =				0.0568	
						RPD = 0.67	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.010	7.012	-0.002	2102944H	0.0500	0.0557	
1	7.524	7.525	-0.001	3007829H	0.0500	0.0547	
1	8.081	8.084	-0.003	2544342H	0.0500	0.0561	
1	9.330	9.330	0.000	4572366H	0.0500	0.0531	
1	9.800	9.799	0.001	2587988H	0.0500	0.0542	
		Average of Peak Amounts =				0.0547	
2	8.852	8.853	-0.001	1833883H	0.0500	0.0541	
2	9.235	9.234	0.001	2395140H	0.0500	0.0547	
2	9.852	9.853	-0.001	2256620H	0.0500	0.0545	
2	10.851	10.852	-0.001	4278961H	0.0500	0.0523	
2	11.384	11.385	-0.001	2418919H	0.0500	0.0543	
		Average of Peak Amounts =				0.0540	
						RPD = 1.40	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.447	11.449	-0.002	2283101H	0.002500	0.002707	
2	12.940	12.941	-0.001	1877784H	0.002500	0.002685	
						RPD = 0.82	

Reagents:

GCAR1660CALL2_00012	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:08:05 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418010.D

Injection Date: 19-Apr-2016 10:21:10 Instrument ID: CHGC10

Lims ID: IC

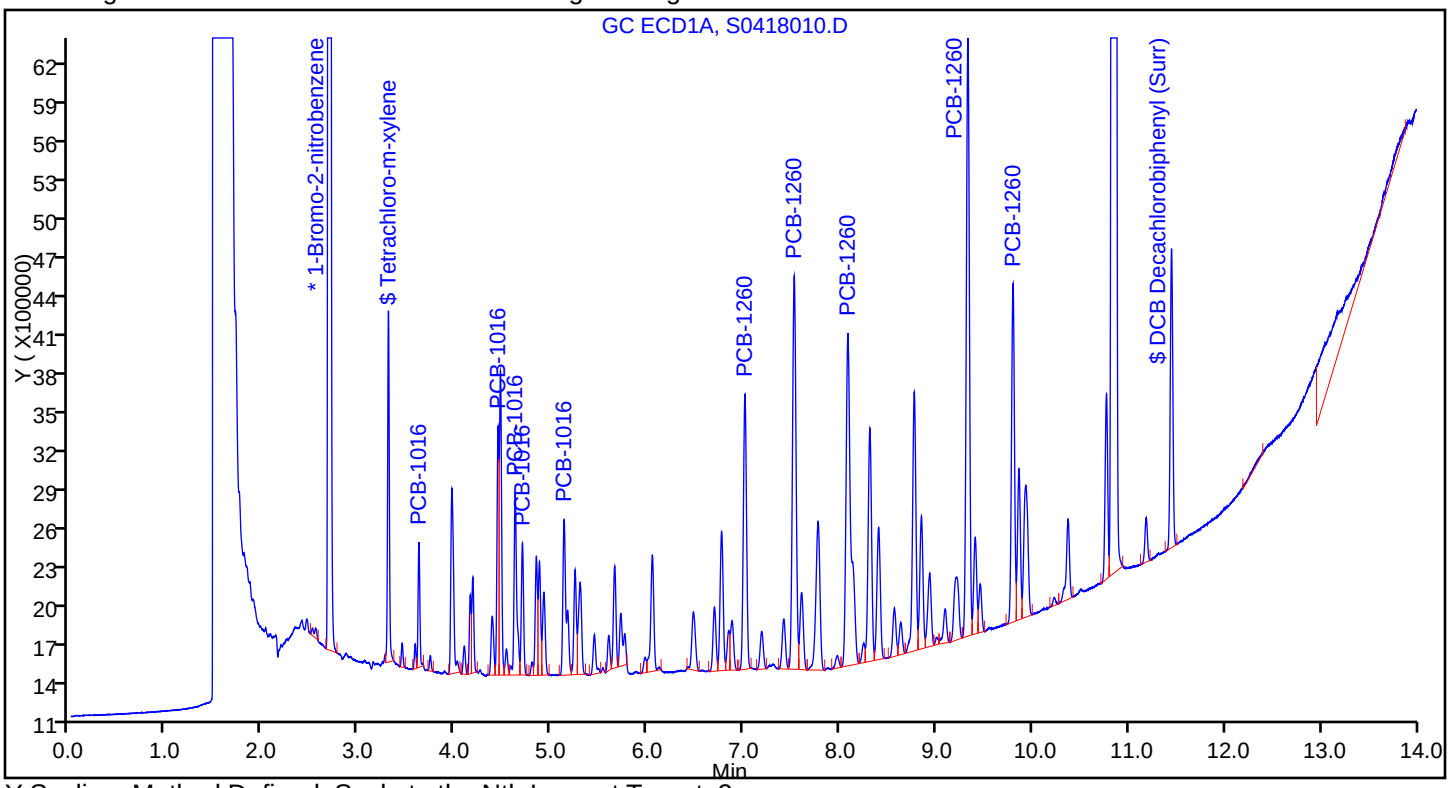
Client ID:

Operator ID: 402331 ALS Bottle#: 6 Worklist Smp#: 6

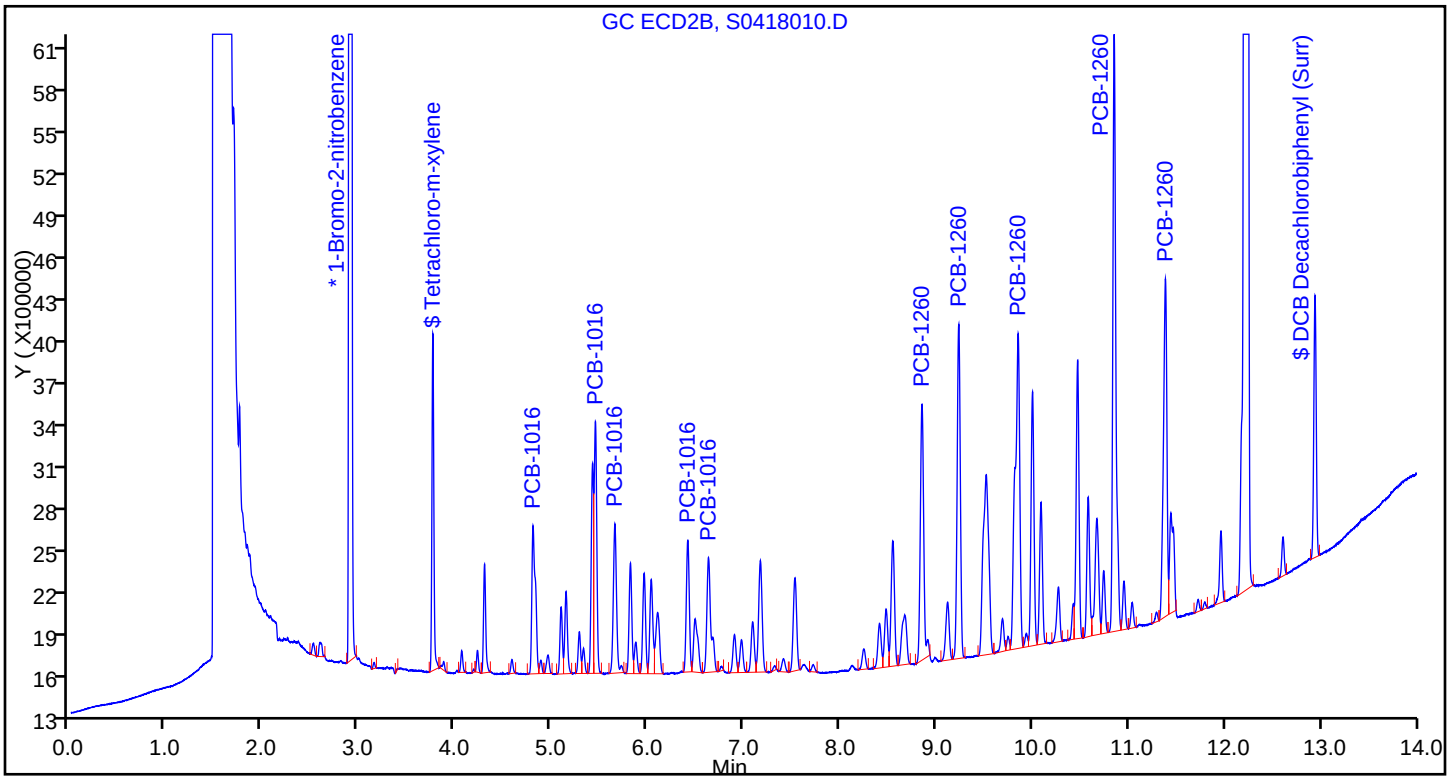
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418011.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Apr-2016 10:40:02 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-007
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:08:02 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 20-Apr-2016 06:06:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.690	2.691	-0.001	84743788H	0.1000	0.1000	
2	2.906	2.908	-0.001	83044091H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.303	3.304	-0.001	9824850H	0.0100	0.009655	
2	3.765	3.766	-0.001	8603335H	0.0100	0.009475	
						RPD = 1.89	
6 PCB-1016							
1	3.620	3.621	-0.001	3262227H	0.2000	0.1970	
1	4.444	4.444	0.000	6613325H	0.2000	0.1924	
1	4.621	4.623	-0.002	4798053H	0.2000	0.1943	
1	4.697	4.698	-0.001	3512644H	0.2000	0.1936	
1	5.130	5.132	-0.002	4126842H	0.2000	0.1947	
		Average of Peak Amounts =				0.1944	
2	4.807	4.808	-0.001	3585363H	0.2000	0.1948	
2	5.456	5.457	-0.001	6348518H	0.2000	0.1903	
2	5.658	5.658	0.000	3663308H	0.2000	0.1928	
2	6.416	6.418	-0.002	3278251H	0.2000	0.1949	
2	6.632	6.633	-0.001	2828086H	0.2000	0.2003	
		Average of Peak Amounts =				0.1946	
						RPD = 0.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.010	7.012	-0.002	7380514H	0.2000	0.1948	
1	7.524	7.525	-0.001	10810227H	0.2000	0.1962	
1	8.081	8.084	-0.003	9164858H	0.2000	0.2015	
1	9.330	9.330	0.000	17271583H	0.2000	0.1999	
1	9.800	9.799	0.001	9450553H	0.2000	0.1973	
		Average of Peak Amounts =				0.1979	
2	8.853	8.853	0.000	6632292H	0.2000	0.1946	
2	9.235	9.234	0.001	8485743H	0.2000	0.1927	
2	9.853	9.853	0.000	8100545H	0.2000	0.1946	
2	10.851	10.852	-0.001	15616885H	0.2000	0.1902	
2	11.384	11.385	-0.001	8647734H	0.2000	0.1934	
		Average of Peak Amounts =				0.1931	
						RPD = 2.45	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.449	11.449	0.000	8233058H	0.0100	0.009734	
2	12.940	12.941	-0.001	6801511H	0.0100	0.009679	
						RPD = 0.56	

Reagents:

GCAR1660CALL3_00011 Amount Added: 1.00 Units: mL

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Apr-2016 06:08:03 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418011.D

Injection Date: 19-Apr-2016 10:40:02 Instrument ID: CHGC10

Lims ID: IC

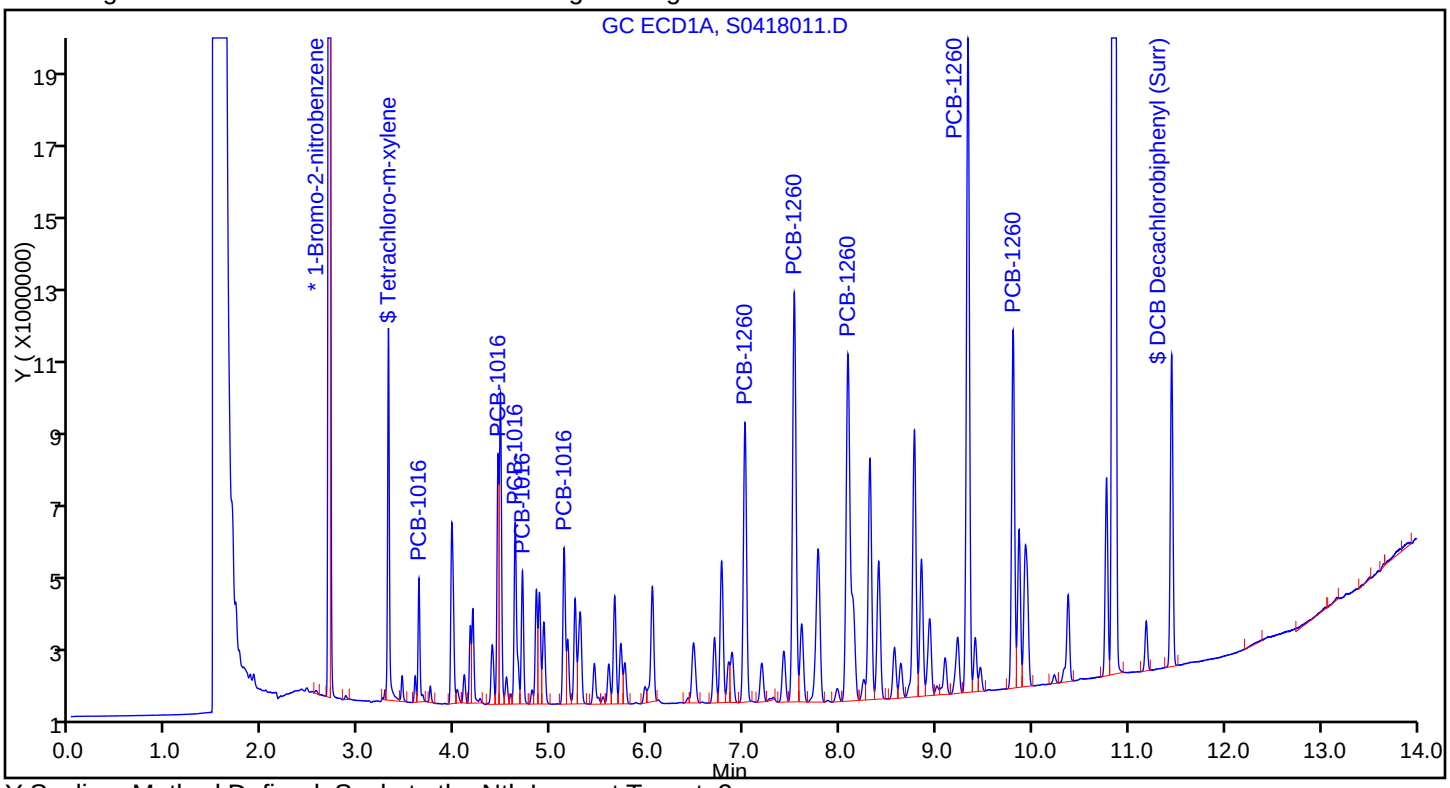
Client ID:

Operator ID: 402331 ALS Bottle#: 7 Worklist Smp#: 7

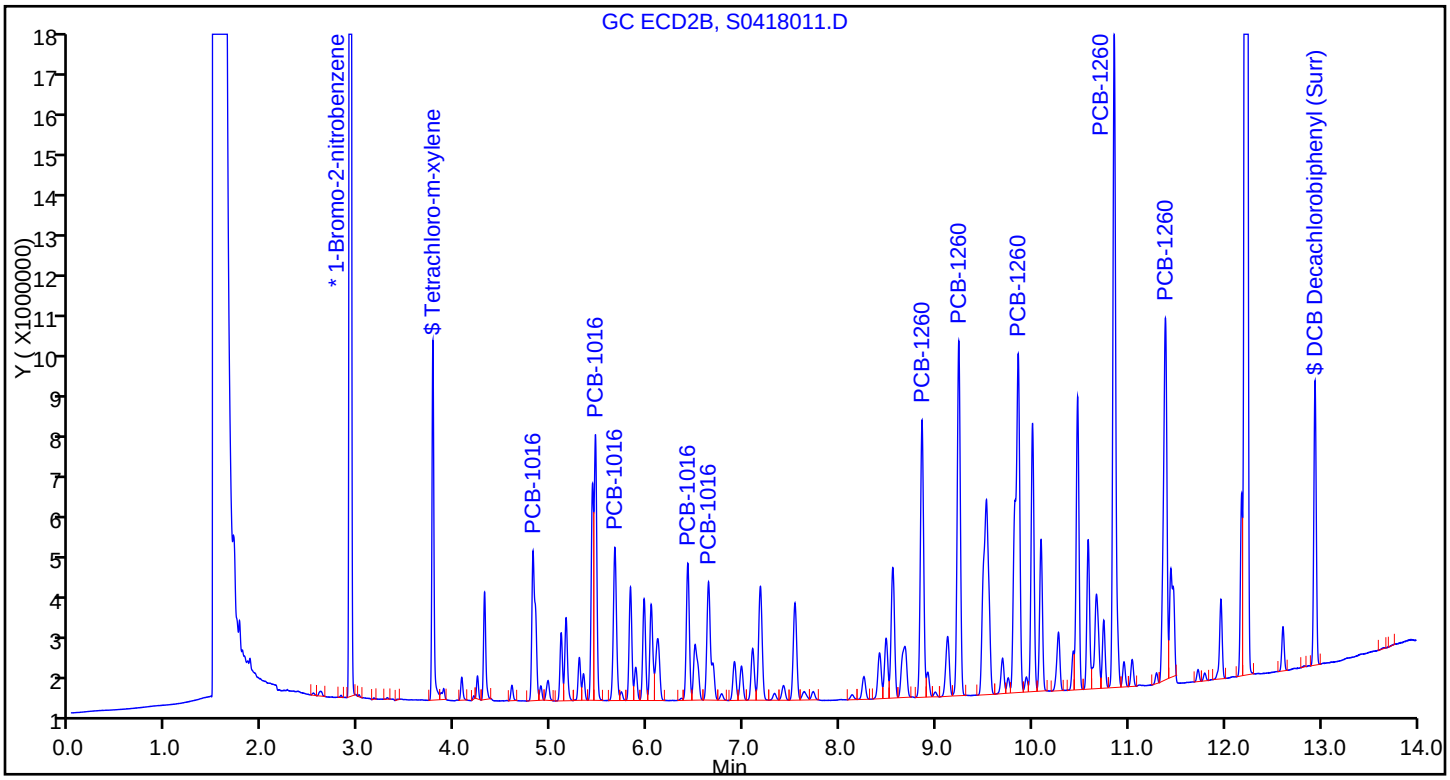
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418012.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 19-Apr-2016 10:58:54 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-008
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:07:59 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

First Level Reviewer: oravecj Date: 19-Apr-2016 12:50:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.691	2.691	0.000	82507417H	0.1000	0.1000	
2	2.908	2.908	0.000	79758370H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.304	3.304	0.000	24002235H	0.0250	0.0242	
2	3.766	3.766	0.000	20992710H	0.0250	0.0241	
						RPD = 0.65	
6 PCB-1016							
1	3.621	3.621	0.000	7456208H	0.5000	0.4625	
1	4.444	4.444	0.000	15755321H	0.5000	0.4707	
1	4.623	4.623	0.000	11338152H	0.5000	0.4716	
1	4.698	4.698	0.000	8339831H	0.5000	0.4721	
1	5.132	5.132	0.000	9680825H	0.5000	0.4691	
		Average of Peak Amounts =				0.4692	
2	4.808	4.808	0.000	8205170H	0.5000	0.4641	
2	5.457	5.457	0.000	15298967H	0.5000	0.4775	
2	5.658	5.658	0.000	8594883H	0.5000	0.4710	
2	6.418	6.418	0.000	7580406H	0.5000	0.4693	
2	6.633	6.633	0.000	6417728H	0.5000	0.4733	
		Average of Peak Amounts =				0.4710	
						RPD = 0.39	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.012	7.012	0.000	17909525H	0.5000	0.4855	
1	7.525	7.525	0.000	26553844H	0.5000	0.4949	
1	8.084	8.084	0.000	22544499H	0.5000	0.5090	
1	9.330	9.330	0.000	42941247H	0.5000	0.5104	
1	9.799	9.799	0.000	23397460H	0.5000	0.5016	
		Average of Peak Amounts =				0.5003	
2	8.853	8.853	0.000	15970563H	0.5000	0.4880	
2	9.234	9.234	0.000	20563838H	0.5000	0.4863	
2	9.853	9.853	0.000	19702459H	0.5000	0.4929	
2	10.852	10.852	0.000	39667834H	0.5000	0.5029	
2	11.385	11.385	0.000	22105519H	0.5000	0.5148	
		Average of Peak Amounts =				0.4970	
						RPD = 0.66	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.449	11.449	0.000	20988870H	0.0250	0.0255	
2	12.941	12.941	0.000	16982480H	0.0250	0.0252	
						RPD = 1.28	

Reagents:

GCAR1660CALL4_00011	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

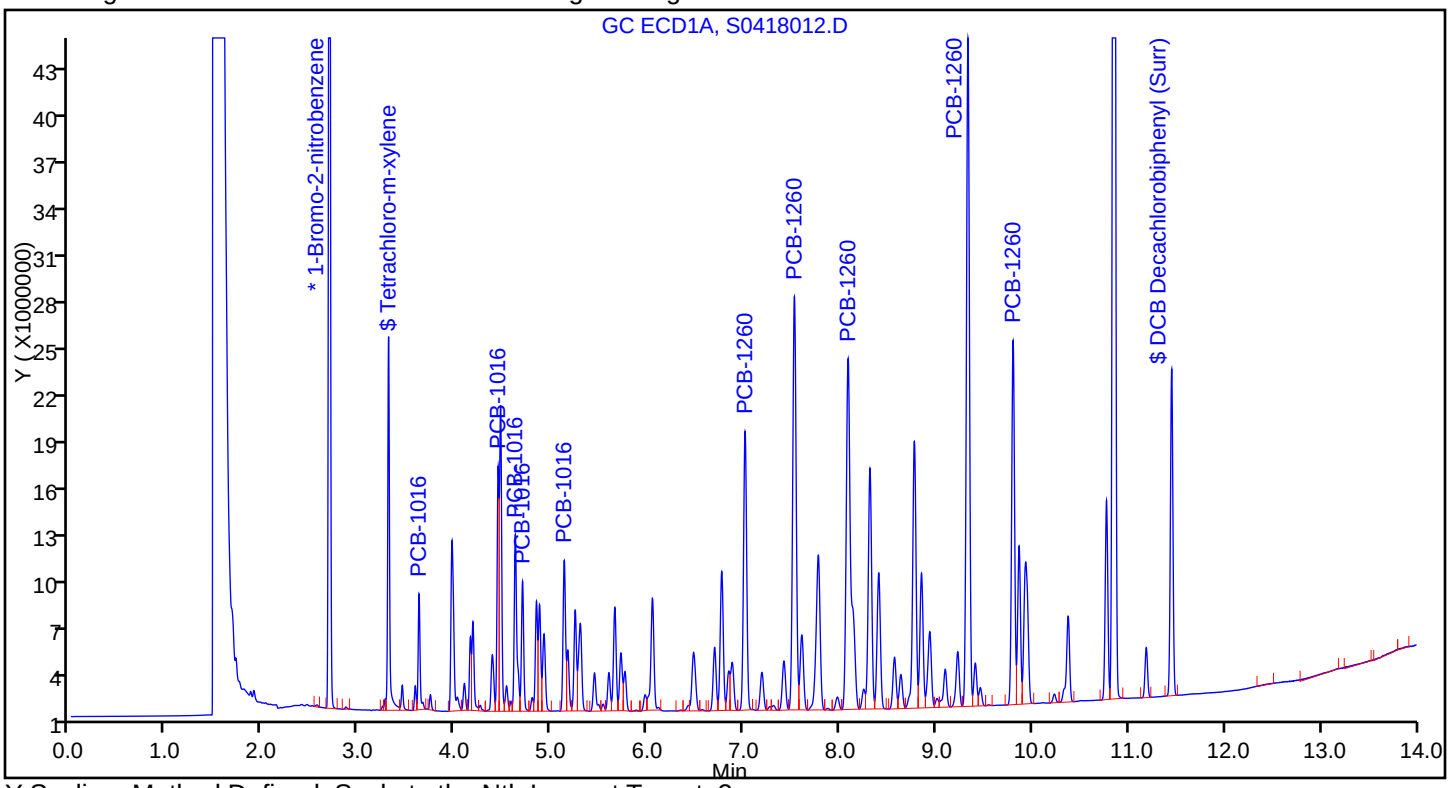
Report Date: 20-Apr-2016 06:08:00 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

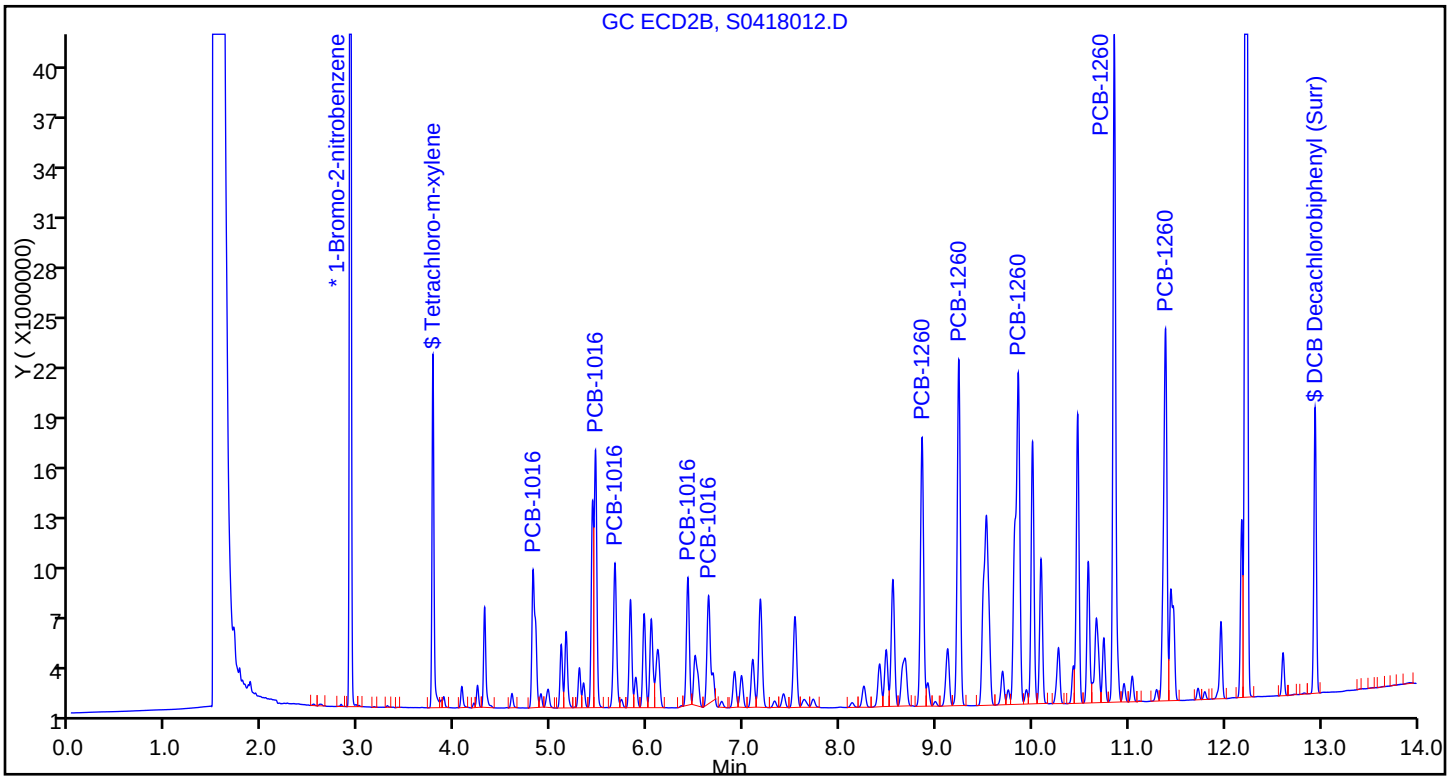
Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418012.D

Injection Date:	19-Apr-2016 10:58:54	Instrument ID:	CHGC10		
Lims ID:	ICIS				
Client ID:					
Operator ID:	402331	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418013.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-Apr-2016 11:17:47 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-009
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:07:56 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.691	2.691	0.000	87835335H	0.1000	0.1000	
2	2.908	2.908	0.001	85106778H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.304	3.304	0.000	49435040H	0.0500	0.0469	
2	3.767	3.766	0.001	43384431H	0.0500	0.0466	
						RPD = 0.54	
6 PCB-1016							
1	3.622	3.621	0.001	14800383H	1.00	0.8623	
1	4.445	4.444	0.001	31619005H	1.00	0.8874	
1	4.622	4.623	-0.001	22558531H	1.00	0.8814	
1	4.698	4.698	0.000	16676975H	1.00	0.8867	
1	5.132	5.132	0.000	19181564H	1.00	0.8730	
		Average of Peak Amounts =				0.8782	
2	4.808	4.808	0.000	16242176H	1.00	0.8610	
2	5.457	5.457	0.000	30852156H	1.00	0.9024	
2	5.659	5.658	0.001	17088138H	1.00	0.8776	
2	6.417	6.418	-0.001	15179544H	1.00	0.8807	
2	6.632	6.633	-0.001	13034006H	1.00	0.9008	
		Average of Peak Amounts =				0.8845	
						RPD = 0.72	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.012	7.012	0.000	34828217H	1.00	0.8869	
1	7.525	7.525	0.000	51097169H	1.00	0.8945	
1	8.083	8.084	-0.001	44023783H	1.00	0.9337	
1	9.331	9.330	0.001	83697400H	1.00	0.9345	
1	9.800	9.799	0.001	45650756H	1.00	0.9193	
		Average of Peak Amounts =				0.9138	
2	8.852	8.853	-0.001	31195800H	1.00	0.8933	
2	9.235	9.234	0.001	40539178H	1.00	0.8985	
2	9.853	9.853	0.000	38450945H	1.00	0.9014	
2	10.852	10.852	0.000	77814630H	1.00	0.9246	
2	11.385	11.385	0.000	43017889H	1.00	0.9388	
		Average of Peak Amounts =				0.9113	
						RPD = 0.27	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.449	11.449	0.000	41099504H	0.0500	0.0469	
2	12.940	12.941	-0.001	33103707H	0.0500	0.0460	
						RPD = 1.97	

Reagents:

GCAR1660CALL5_00012 Amount Added: 1.00 Units: mL
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Apr-2016 06:07:57 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418013.D

Injection Date: 19-Apr-2016 11:17:47 Instrument ID: CHGC10

Lims ID: IC

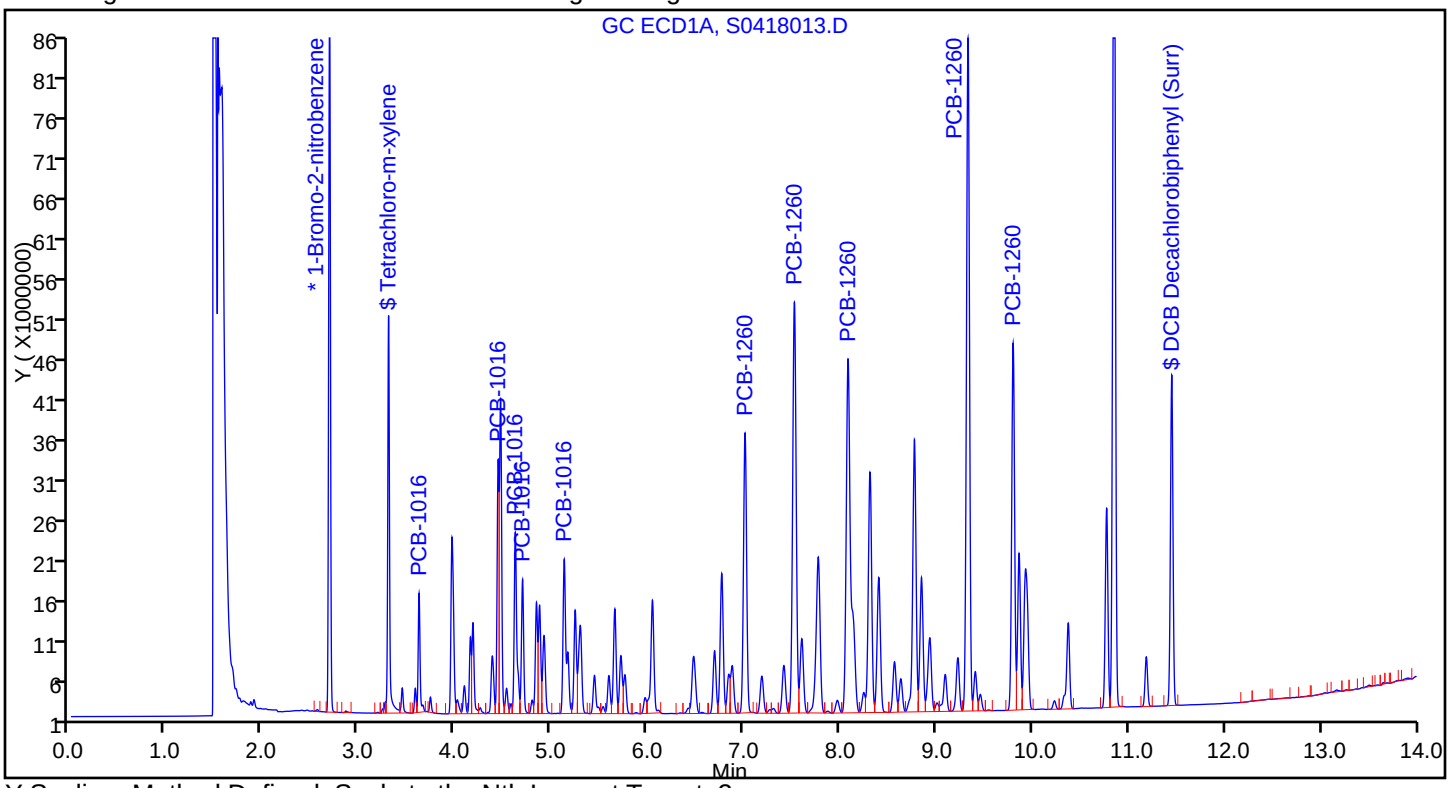
Client ID:

Operator ID: 402331 ALS Bottle#: 9 Worklist Smp#: 9

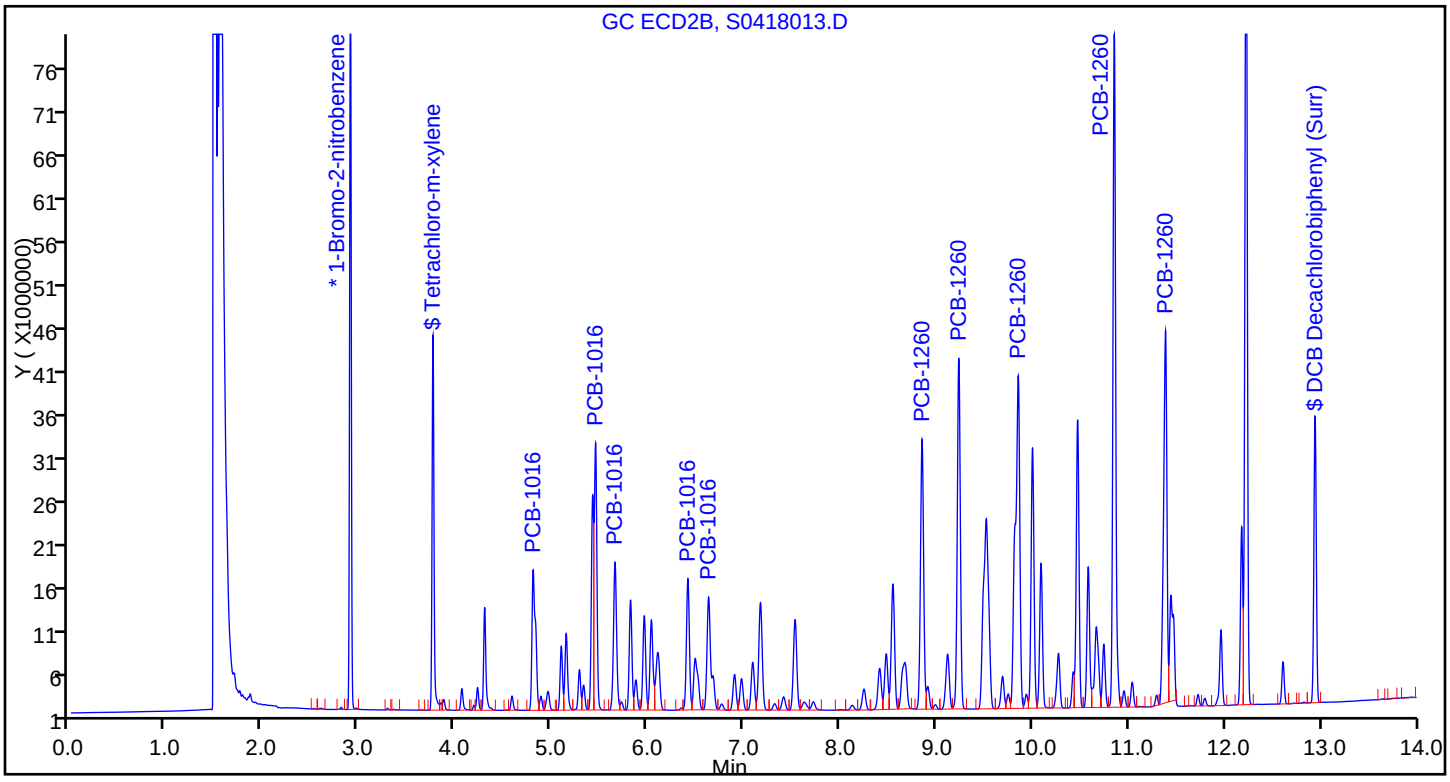
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418014.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 19-Apr-2016 11:36:39 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-010
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:07:53 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.693	2.691	0.002	87194962H	0.1000	0.1000	
2	2.910	2.908	0.002	84068886H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.307	3.304	0.003	93902739H	0.1000	0.0897	
2	3.768	3.766	0.002	84916410H	0.1000	0.0924	
						RPD = 2.95	
6 PCB-1016							
1	3.623	3.621	0.002	28743742H	2.00	1.69	
1	4.446	4.444	0.002	61684006H	2.00	1.74	
1	4.625	4.623	0.002	44032761H	2.00	1.73	
1	4.700	4.698	0.002	32874501H	2.00	1.76	
1	5.133	5.132	0.001	37604574H	2.00	1.72	
		Average of Peak Amounts =				1.73	
2	4.810	4.808	0.002	31284482H	2.00	1.68	
2	5.458	5.457	0.001	60581117H	2.00	1.79	
2	5.661	5.658	0.003	33174041H	2.00	1.72	
2	6.419	6.418	0.001	29632965H	2.00	1.74	
2	6.635	6.633	0.002	25782252H	2.00	1.80	
		Average of Peak Amounts =				1.75	
						RPD = 1.07	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.014	7.012	0.002	69135261H	2.00	1.77	
1	7.527	7.525	0.002	100729726H	2.00	1.78	
1	8.085	8.084	0.001	87113152H	2.00	1.86	
1	9.333	9.330	0.003	163571835H	2.00	1.84	
1	9.801	9.799	0.002	90794063H	2.00	1.84	
		Average of Peak Amounts =				1.82	
2	8.855	8.853	0.002	61144205H	2.00	1.77	
2	9.236	9.234	0.002	78902042H	2.00	1.77	
2	9.855	9.853	0.002	76762736H	2.00	1.82	
2	10.853	10.852	0.001	157233517H	2.00	1.89	
2	11.386	11.385	0.001	80910110H	2.00	1.79	
		Average of Peak Amounts =				1.81	
						RPD = 0.54	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.450	11.449	0.001	81563291H	0.1000	0.0937	
2	12.941	12.941	0.000	68032760H	0.1000	0.0956	
						RPD = 2.03	

Reagents:

GCAR1660CALL6_00010	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:07:54 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418014.D

Injection Date: 19-Apr-2016 11:36:39 Instrument ID: CHGC10

Lims ID: IC

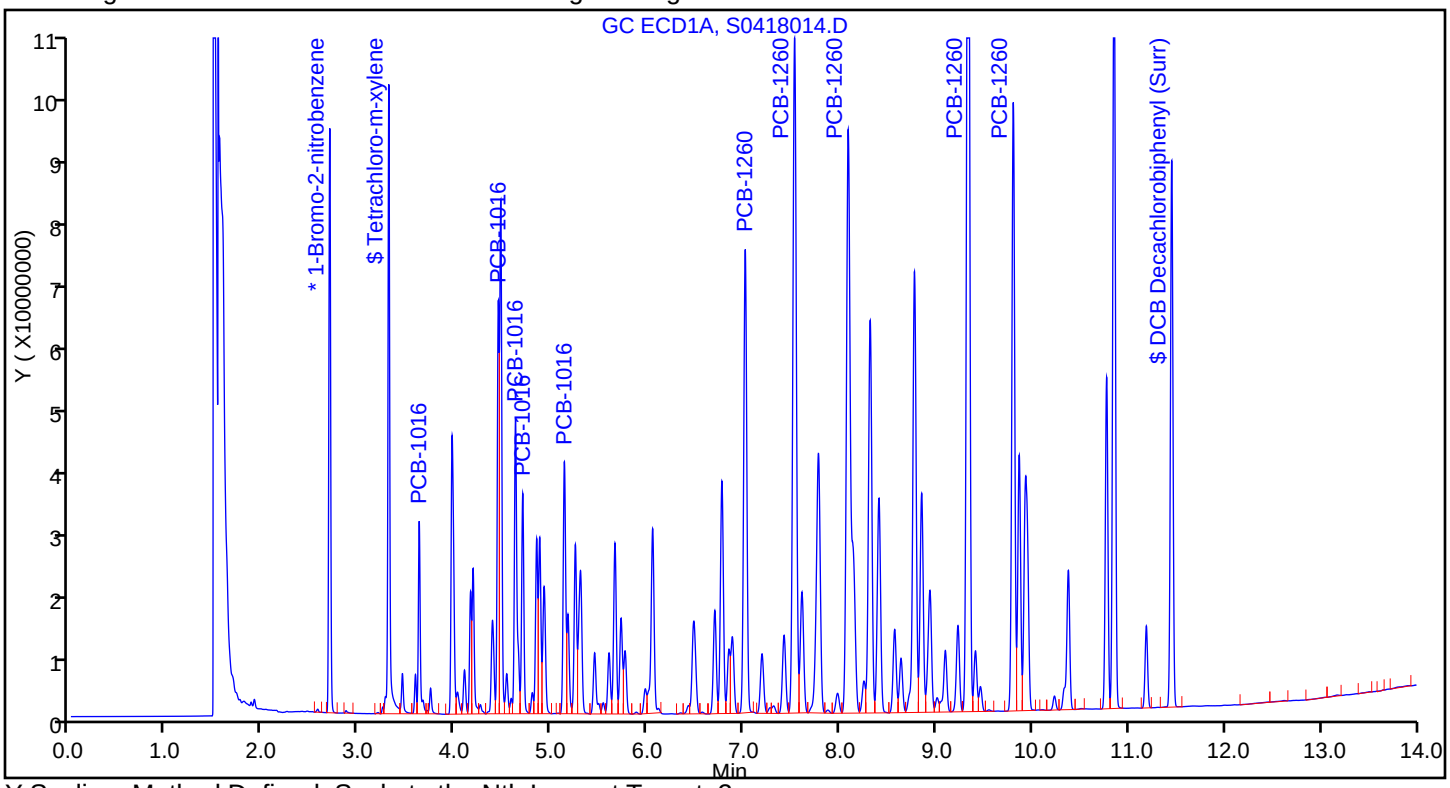
Client ID:

Operator ID: 402331 ALS Bottle#: 10 Worklist Smp#: 10

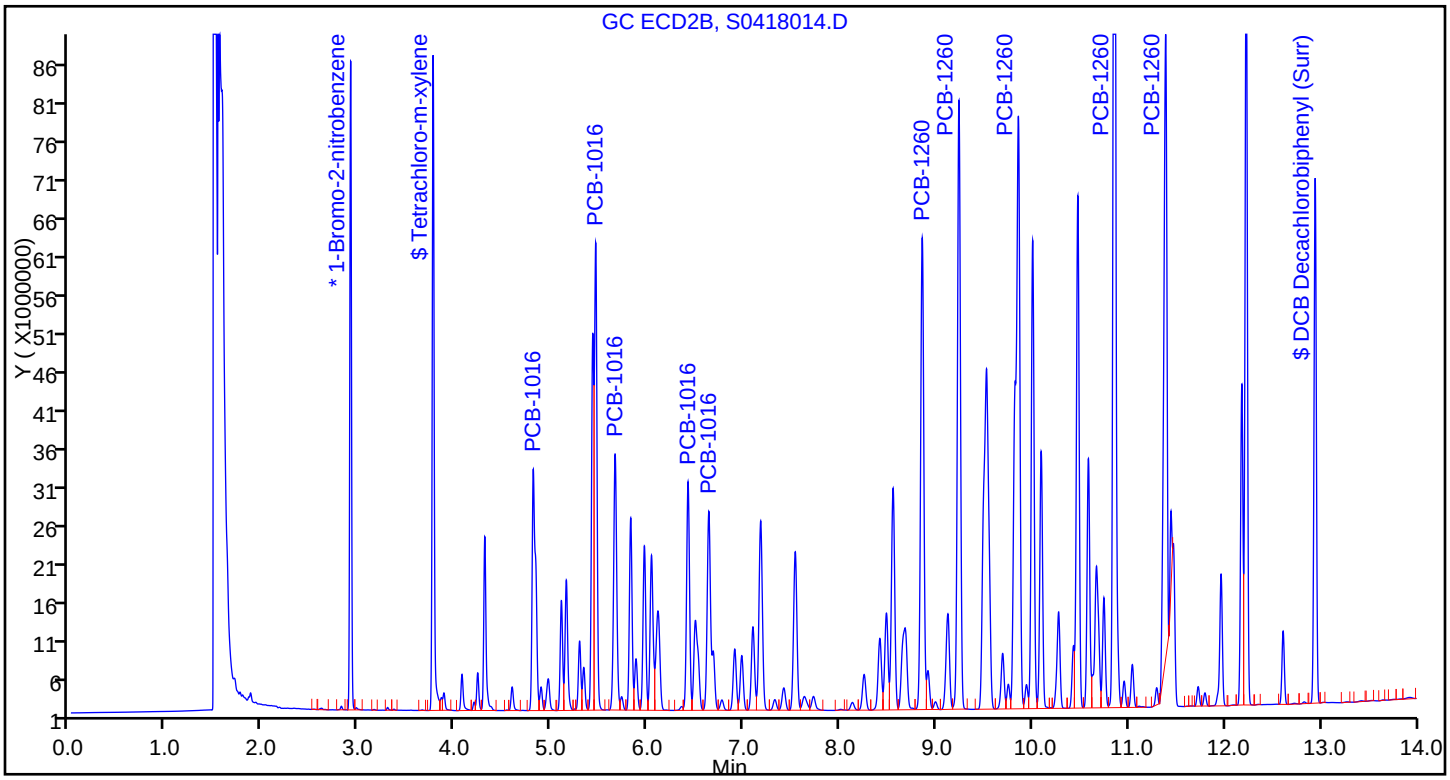
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 19-Apr-2016 11:55:32 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011491-011
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 20-Apr-2016 06:07:50 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK015

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.696	2.691	0.005	88352885H	0.1000	0.1000	
2	2.912	2.908	0.005	85493621H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.309	3.304	0.005	205679262H	0.2000	0.1939	
2	3.770	3.766	0.004	184368742H	0.2000	0.1972	
						RPD = 1.71	
6 PCB-1016							
1	3.625	3.621	0.004	61765611H	4.00	3.58	
1	4.447	4.444	0.003	130047734H	4.00	3.63	
1	4.626	4.623	0.003	92086799H	4.00	3.58	
1	4.701	4.698	0.003	68965515H	4.00	3.65	
1	5.133	5.132	0.001	77392964H	4.00	3.50	
		Average of Peak Amounts =				3.59	
2	4.811	4.808	0.003	66345643H	4.00	3.50	
2	5.460	5.457	0.003	127374333H	4.00	3.71	
2	5.661	5.658	0.003	70137063H	4.00	3.59	
2	6.419	6.418	0.001	61285010H	4.00	3.54	
2	6.635	6.633	0.002	52898454H	4.00	3.64	
		Average of Peak Amounts =				3.59	
						RPD = 0.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.013	7.012	0.001	134420624H	4.00	3.40	
1	7.525	7.525	0.000	194250047H	4.00	3.38	
1	8.083	8.084	-0.001	166559613H	4.00	3.51	
1	9.331	9.330	0.001	312672221H	4.00	3.47	
1	9.799	9.799	0.000	174541658H	4.00	3.49	
		Average of Peak Amounts =				3.45	
2	8.853	8.853	0.000	121101319H	4.00	3.45	
2	9.235	9.234	0.001	156506981H	4.00	3.45	
2	9.853	9.853	0.000	151702612H	4.00	3.54	
2	10.852	10.852	0.000	315303953H	4.00	3.73	
2	11.385	11.385	0.000	171199135H	4.00	3.72	
		Average of Peak Amounts =				3.58	
						RPD = 3.61	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.447	11.449	-0.002	160693157H	0.2000	0.1822	
2	12.941	12.941	0.000	135709879H	0.2000	0.1876	
						RPD = 2.91	

Reagents:

GCAR1660CALL7_00011	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 20-Apr-2016 06:07:51 Chrom Revision: 2.2 18-Apr-2016 13:22:44

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Injection Date: 19-Apr-2016 11:55:32 Instrument ID: CHGC10

Lims ID: IC

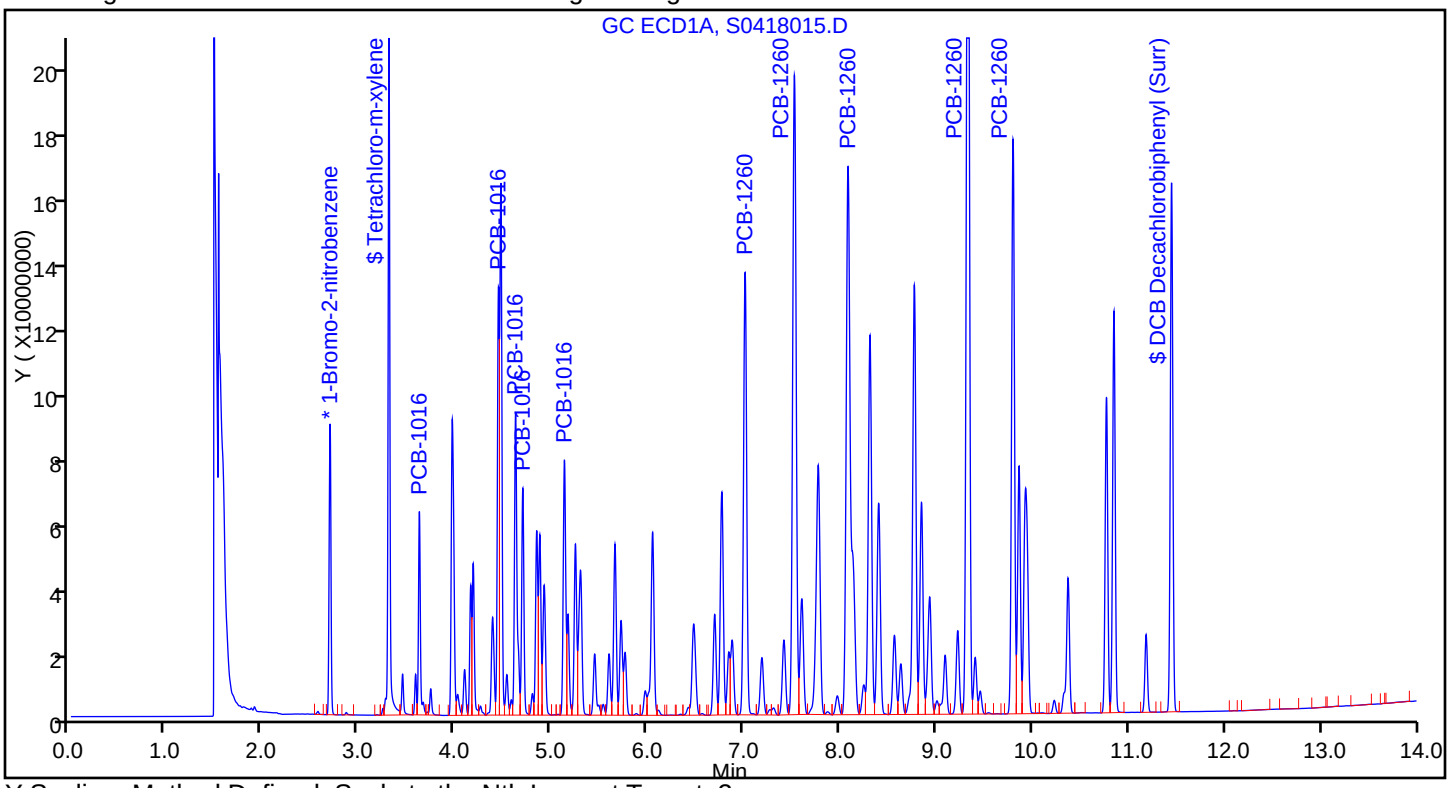
Client ID:

Operator ID: 402331 ALS Bottle#: 11 Worklist Smp#: 11

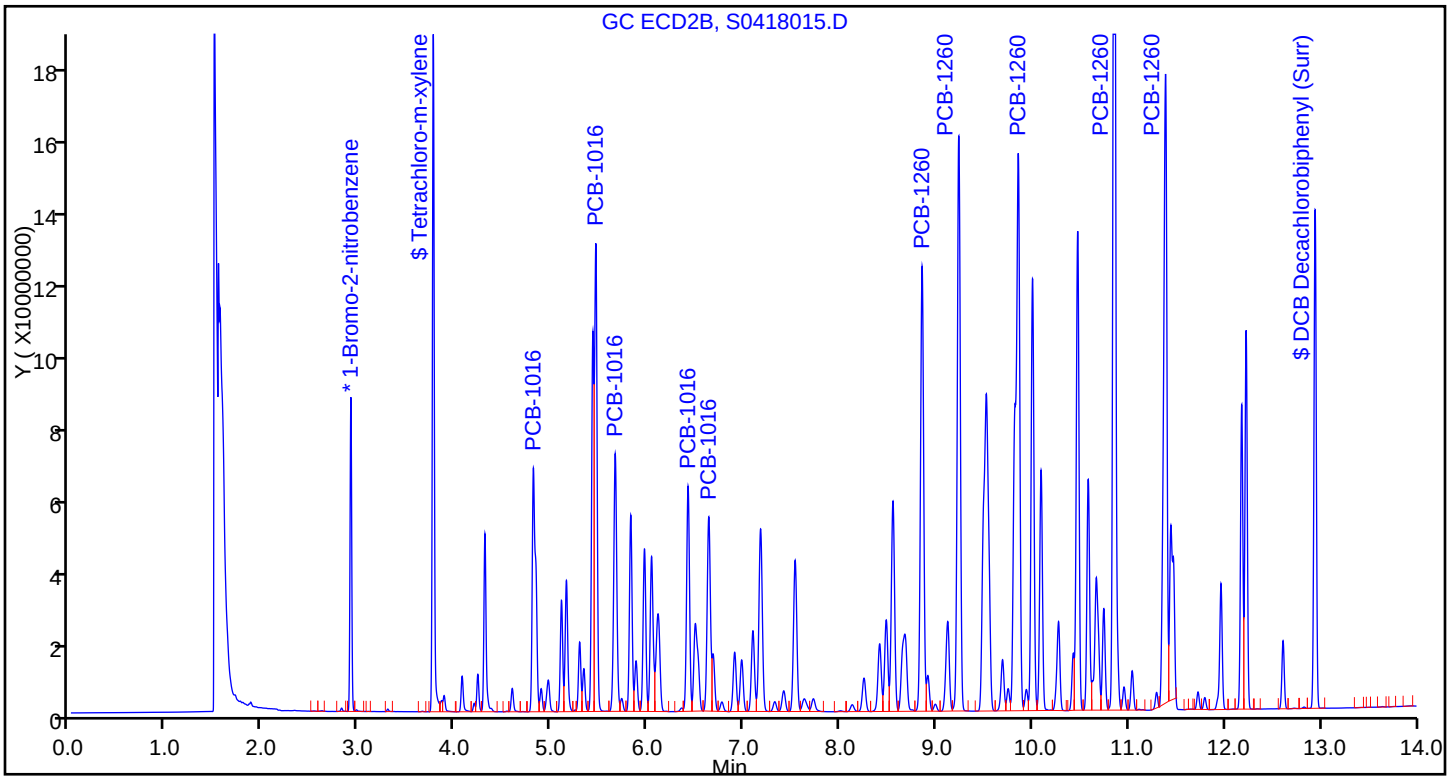
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Lab Sample ID: CCVIS 180-174947/25 Calibration Date: 05/02/2016 15:09

Instrument ID: CHGC10 Calib Start Date: 04/19/2016 10:02

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 04/19/2016 11:55

Lab File ID: S0502025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0195	0.0189		0.485	0.500	-3.1	20.0
PCB-1016 Peak 2	Ave	0.0406	0.0409		0.504	0.500	0.8	20.0
PCB-1016 Peak 3	Ave	0.0291	0.0289		0.496	0.500	-0.8	20.0
PCB-1016 Peak 4	Ave	0.0214	0.0214		0.498	0.500	-0.3	20.0
PCB-1016 Peak 5	Ave	0.0250	0.0245		0.489	0.500	-2.2	20.0
PCB-1260 Peak 1	Ave	0.0447	0.0448		0.501	0.500	0.2	20.0
PCB-1260 Peak 2	Ave	0.0650	0.0662		0.509	0.500	1.8	20.0
PCB-1260 Peak 3	Ave	0.0537	0.0562		0.524	0.500	4.8	20.0
PCB-1260 Peak 4	Ave	0.1020	0.1055		0.517	0.500	3.4	20.0
PCB-1260 Peak 5	Ave	0.0565	0.0562		0.497	0.500	-0.6	20.0
Tetrachloro-m-xylene	Ave	1.201	1.207		0.0251	0.0250	0.6	20.0
DCB Decachlorobiphenyl (Surr)	Ave	0.998	1.003		0.0251	0.0250	0.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Lab Sample ID: CCVIS 180-174947/25 Calibration Date: 05/02/2016 15:09

Instrument ID: CHGC10 Calib Start Date: 04/19/2016 10:02

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 04/19/2016 11:55

Lab File ID: S0502025.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.63	3.58	3.68
PCB-1016 Peak 2	4.46	4.41	4.51
PCB-1016 Peak 3	4.63	4.58	4.68
PCB-1016 Peak 4	4.71	4.66	4.76
PCB-1016 Peak 5	5.14	5.09	5.19
PCB-1260 Peak 1	7.02	6.97	7.07
PCB-1260 Peak 2	7.54	7.49	7.59
PCB-1260 Peak 3	8.10	8.05	8.15
PCB-1260 Peak 4	9.34	9.29	9.39
PCB-1260 Peak 5	9.81	9.76	9.86
Tetrachloro-m-xylene	3.31	3.28	3.34
DCB Decachlorobiphenyl (Surr)	11.46	11.41	11.51

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502025.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 02-May-2016 15:09:40 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-025
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:57:32 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:45:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.700	2.700	0.000	90166536H	0.1000	0.1000	
2	2.916	2.916	0.000	83135043H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.314	3.314	0.000	27218690H	0.0250	0.0251	
2	3.775	3.775	0.000	22947752H	0.0250	0.0252	
						RPD = 0.41	
6 PCB-1016							
1	3.630	3.630	0.000	8540338H	0.5000	0.4847	
1	4.455	4.455	0.000	18430779H	0.5000	0.5039	
1	4.633	4.633	0.000	13030960H	0.5000	0.4960	
1	4.708	4.708	0.000	9623501H	0.5000	0.4984	
1	5.142	5.142	0.000	11027519H	0.5000	0.4889	
		Average of Peak Amounts =				0.4944	
2	4.818	4.818	0.000	9161066H	0.5000	0.4971	
2	5.467	5.467	0.000	17395323H	0.5000	0.5209	
2	5.670	5.670	0.000	9663847H	0.5000	0.5081	
2	6.429	6.429	0.000	8540356H	0.5000	0.5072	
2	6.645	6.645	0.000	7397514H	0.5000	0.5234	
		Average of Peak Amounts =				0.5113	
						RPD = 3.37	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.023	7.023	0.000	20188567H	0.5000	0.5008	
1	7.537	7.537	0.000	29832919H	0.5000	0.5088	
1	8.095	8.095	0.000	25354676H	0.5000	0.5238	
1	9.340	9.340	0.000	47547571H	0.5000	0.5172	
1	9.809	9.809	0.000	25337671H	0.5000	0.4970	
		Average of Peak Amounts =				0.5095	
2	8.865	8.865	0.000	17244435H	0.5000	0.5055	
2	9.246	9.246	0.000	22299854H	0.5000	0.5059	
2	9.863	9.863	0.000	21041872H	0.5000	0.5050	
2	10.861	10.861	0.000	42353251H	0.5000	0.5152	
2	11.394	11.394	0.000	23606605H	0.5000	0.5274	
		Average of Peak Amounts =				0.5118	
						RPD = 0.45	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.455	11.455	0.000	22601503H	0.0250	0.0251	
2	12.948	12.948	0.000	17519602H	0.0250	0.0249	
						RPD = 0.84	

Reagents:

GCAR1660CALL4_00011	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 03-May-2016 09:57:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502025.D

Injection Date: 02-May-2016 15:09:40 Instrument ID: CHGC10

Lims ID: CCVIS

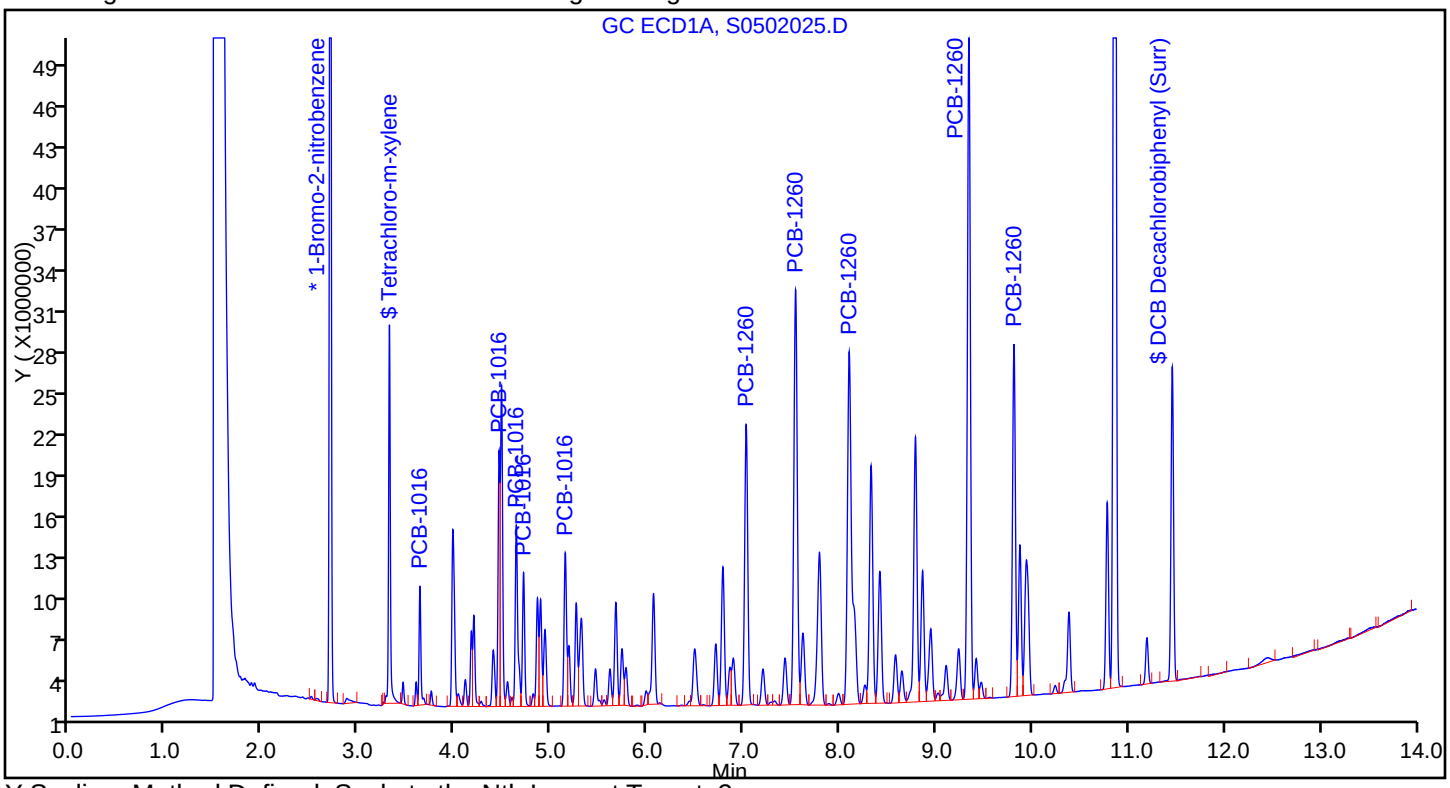
Client ID:

Operator ID: 402331 ALS Bottle#: 25 Worklist Smp#: 25

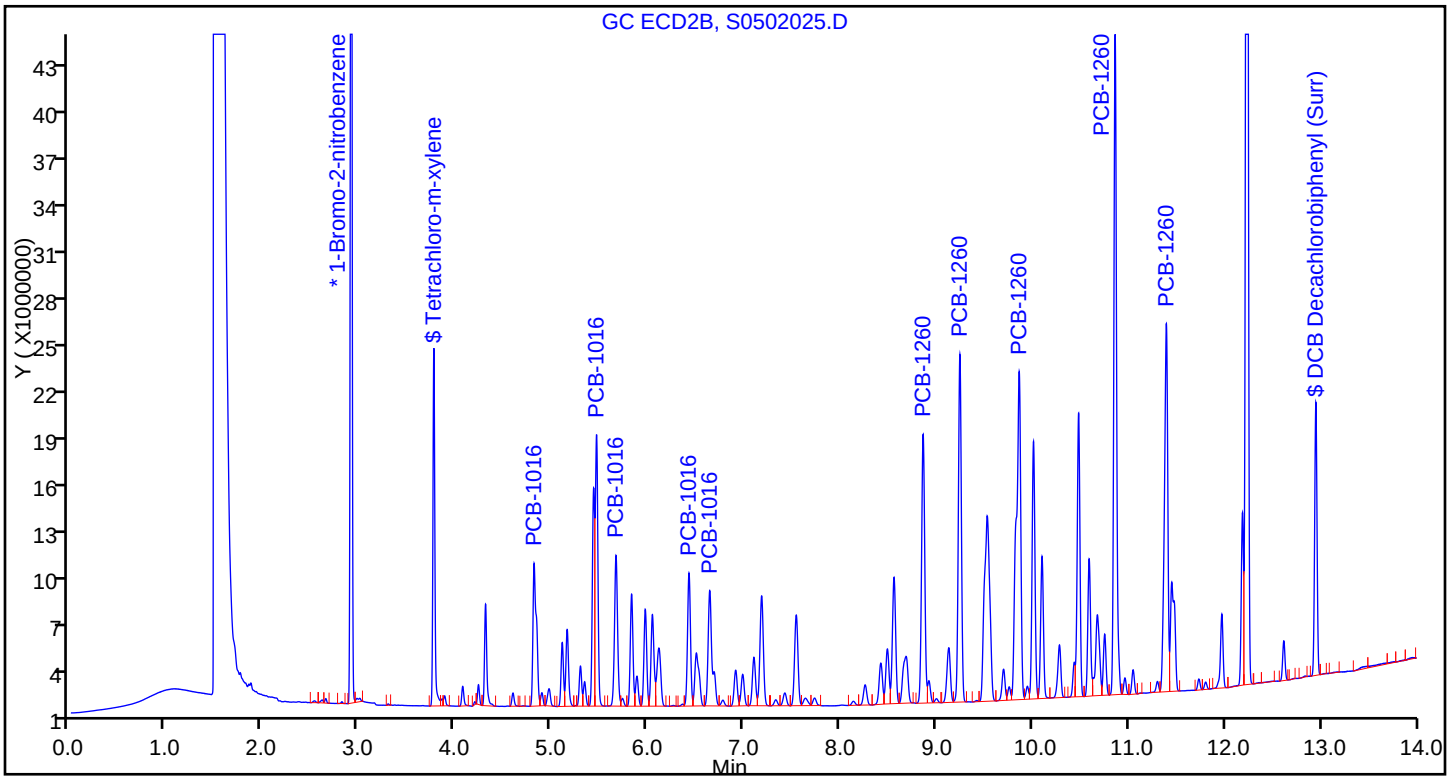
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Lab Sample ID: CCVIS 180-174947/25 Calibration Date: 05/02/2016 15:09

Instrument ID: CHGC10 Calib Start Date: 04/19/2016 10:02

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 04/19/2016 11:55

Lab File ID: S0502025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0222	0.0220		0.497	0.500	-0.6	20.0
PCB-1016 Peak 2	Ave	0.0402	0.0419		0.521	0.500	4.2	20.0
PCB-1016 Peak 3	Ave	0.0229	0.0233		0.508	0.500	1.6	20.0
PCB-1016 Peak 4	Ave	0.0203	0.0206		0.507	0.500	1.4	20.0
PCB-1016 Peak 5	Ave	0.0170	0.0178		0.523	0.500	4.7	20.0
PCB-1260 Peak 1	Ave	0.0410	0.0415		0.505	0.500	1.1	20.0
PCB-1260 Peak 2	Ave	0.0530	0.0537		0.506	0.500	1.2	20.0
PCB-1260 Peak 3	Ave	0.0501	0.0506		0.505	0.500	1.0	20.0
PCB-1260 Peak 4	Ave	0.0989	0.1019		0.515	0.500	3.0	20.0
PCB-1260 Peak 5	Ave	0.0538	0.0568		0.527	0.500	5.5	20.0
Tetrachloro-m-xylene	Ave	1.093	1.104		0.0252	0.0250	1.0	20.0
DCB Decachlorobiphenyl (Surr)	Ave	0.8462	0.8430		0.0249	0.0250	-0.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Lab Sample ID: CCVIS 180-174947/25 Calibration Date: 05/02/2016 15:09

Instrument ID: CHGC10 Calib Start Date: 04/19/2016 10:02

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 04/19/2016 11:55

Lab File ID: S0502025.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.82	4.77	4.87
PCB-1016 Peak 2	5.47	5.42	5.52
PCB-1016 Peak 3	5.67	5.62	5.72
PCB-1016 Peak 4	6.43	6.38	6.48
PCB-1016 Peak 5	6.65	6.60	6.70
PCB-1260 Peak 1	8.87	8.82	8.92
PCB-1260 Peak 2	9.25	9.20	9.30
PCB-1260 Peak 3	9.86	9.81	9.91
PCB-1260 Peak 4	10.86	10.81	10.91
PCB-1260 Peak 5	11.39	11.34	11.44
Tetrachloro-m-xylene	3.78	3.75	3.81
DCB Decachlorobiphenyl (Surr)	12.95	12.90	13.00

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502025.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 02-May-2016 15:09:40 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-025
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:57:32 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:45:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.700	2.700	0.000	90166536H	0.1000	0.1000	
2	2.916	2.916	0.000	83135043H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.314	3.314	0.000	27218690H	0.0250	0.0251	
2	3.775	3.775	0.000	22947752H	0.0250	0.0252	
						RPD = 0.41	
6 PCB-1016							
1	3.630	3.630	0.000	8540338H	0.5000	0.4847	
1	4.455	4.455	0.000	18430779H	0.5000	0.5039	
1	4.633	4.633	0.000	13030960H	0.5000	0.4960	
1	4.708	4.708	0.000	9623501H	0.5000	0.4984	
1	5.142	5.142	0.000	11027519H	0.5000	0.4889	
		Average of Peak Amounts =				0.4944	
2	4.818	4.818	0.000	9161066H	0.5000	0.4971	
2	5.467	5.467	0.000	17395323H	0.5000	0.5209	
2	5.670	5.670	0.000	9663847H	0.5000	0.5081	
2	6.429	6.429	0.000	8540356H	0.5000	0.5072	
2	6.645	6.645	0.000	7397514H	0.5000	0.5234	
		Average of Peak Amounts =				0.5113	
						RPD = 3.37	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.023	7.023	0.000	20188567H	0.5000	0.5008	
1	7.537	7.537	0.000	29832919H	0.5000	0.5088	
1	8.095	8.095	0.000	25354676H	0.5000	0.5238	
1	9.340	9.340	0.000	47547571H	0.5000	0.5172	
1	9.809	9.809	0.000	25337671H	0.5000	0.4970	
		Average of Peak Amounts =				0.5095	
2	8.865	8.865	0.000	17244435H	0.5000	0.5055	
2	9.246	9.246	0.000	22299854H	0.5000	0.5059	
2	9.863	9.863	0.000	21041872H	0.5000	0.5050	
2	10.861	10.861	0.000	42353251H	0.5000	0.5152	
2	11.394	11.394	0.000	23606605H	0.5000	0.5274	
		Average of Peak Amounts =				0.5118	
						RPD = 0.45	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.455	11.455	0.000	22601503H	0.0250	0.0251	
2	12.948	12.948	0.000	17519602H	0.0250	0.0249	
						RPD = 0.84	

Reagents:

GCAR1660CALL4_00011	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 03-May-2016 09:57:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502025.D

Injection Date: 02-May-2016 15:09:40 Instrument ID: CHGC10

Lims ID: CCVIS

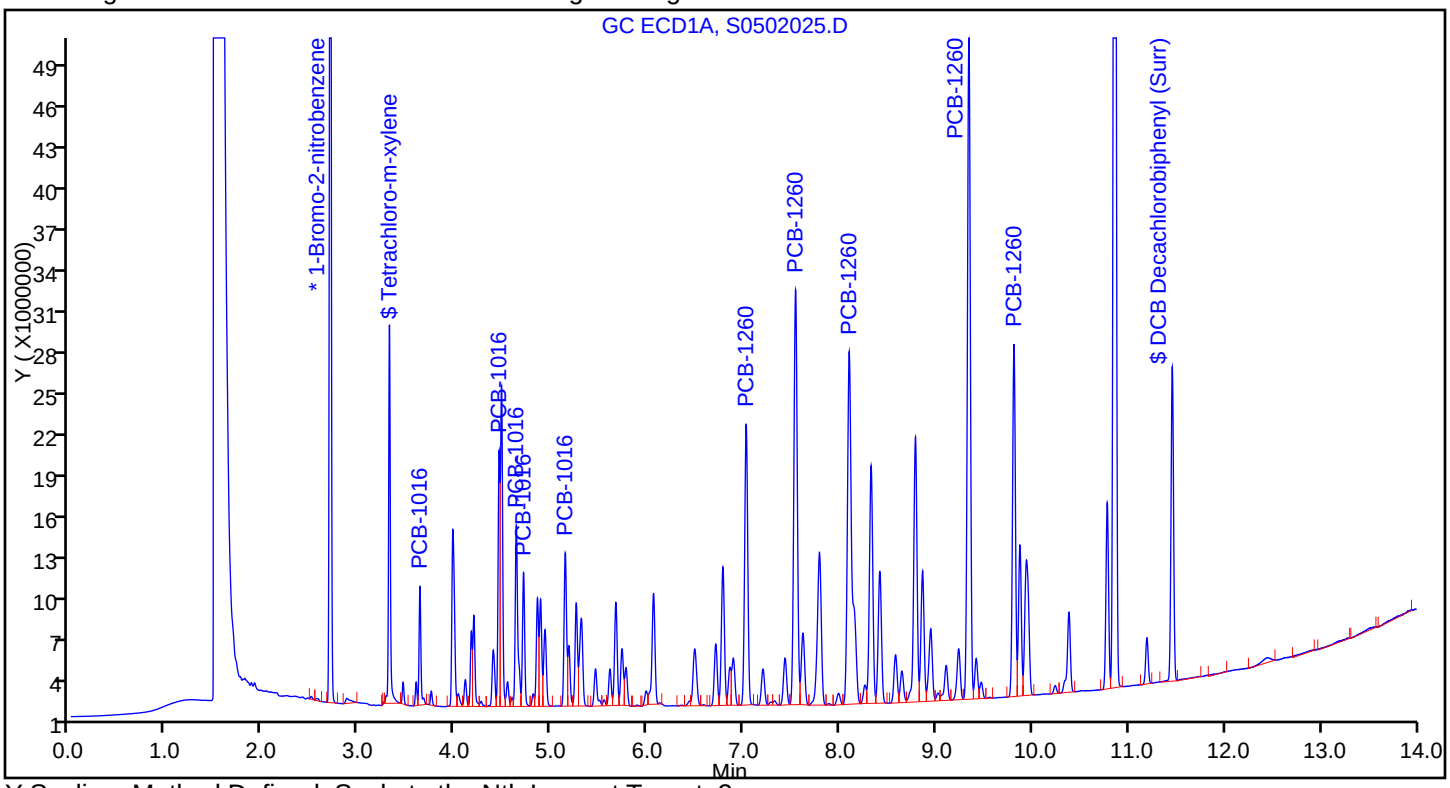
Client ID:

Operator ID: 402331 ALS Bottle#: 25 Worklist Smp#: 25

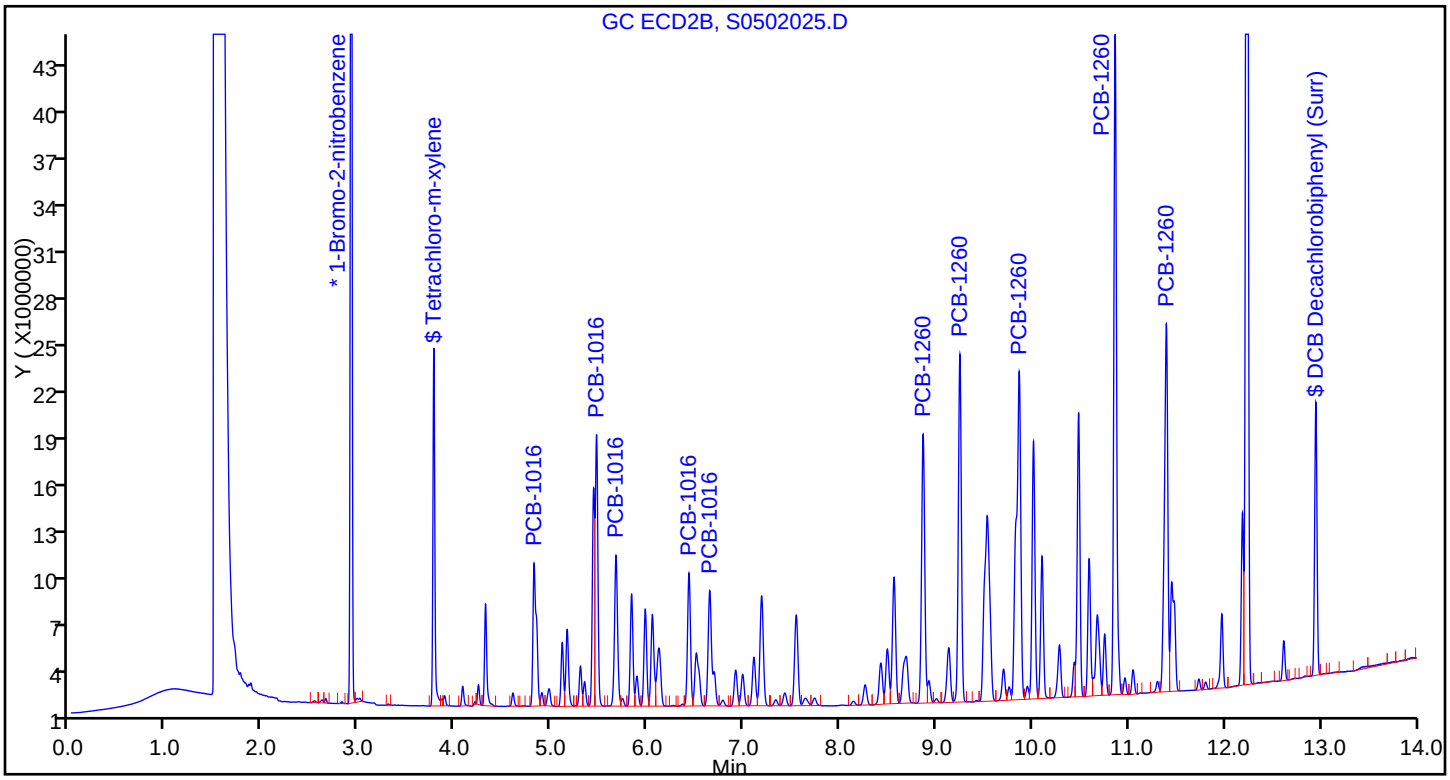
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Lab Sample ID: CCVIS 180-175185/5 Calibration Date: 05/04/2016 06:26

Instrument ID: CHGC10 Calib Start Date: 04/19/2016 10:02

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 04/19/2016 11:55

Lab File ID: S0504005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0195	0.0192		0.490	0.500	-2.0	20.0
PCB-1016 Peak 2	Ave	0.0406	0.0415		0.511	0.500	2.3	20.0
PCB-1016 Peak 3	Ave	0.0291	0.0297		0.510	0.500	2.0	20.0
PCB-1016 Peak 4	Ave	0.0214	0.0216		0.505	0.500	1.0	20.0
PCB-1016 Peak 5	Ave	0.0250	0.0253		0.506	0.500	1.1	20.0
PCB-1260 Peak 1	Ave	0.0447	0.0452		0.506	0.500	1.2	20.0
PCB-1260 Peak 2	Ave	0.0650	0.0652		0.501	0.500	0.3	20.0
PCB-1260 Peak 3	Ave	0.0537	0.0555		0.517	0.500	3.4	20.0
PCB-1260 Peak 4	Ave	0.1020	0.1048		0.514	0.500	2.8	20.0
PCB-1260 Peak 5	Ave	0.0565	0.0549		0.486	0.500	-2.8	20.0
Tetrachloro-m-xylene	Ave	1.201	1.214		0.0253	0.0250	1.1	20.0
DCB Decachlorobiphenyl (Surr)	Ave	0.998	0.9740		0.0244	0.0250	-2.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Lab Sample ID: CCVIS 180-175185/5 Calibration Date: 05/04/2016 06:26

Instrument ID: CHGC10 Calib Start Date: 04/19/2016 10:02

GC Column: RTX-CLP1 ID: 0.53(mm) Calib End Date: 04/19/2016 11:55

Lab File ID: S0504005.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.62	3.57	3.67
PCB-1016 Peak 2	4.45	4.40	4.50
PCB-1016 Peak 3	4.62	4.57	4.67
PCB-1016 Peak 4	4.70	4.65	4.75
PCB-1016 Peak 5	5.13	5.08	5.18
PCB-1260 Peak 1	7.01	6.96	7.06
PCB-1260 Peak 2	7.53	7.48	7.58
PCB-1260 Peak 3	8.08	8.03	8.13
PCB-1260 Peak 4	9.33	9.28	9.38
PCB-1260 Peak 5	9.80	9.75	9.85
Tetrachloro-m-xylene	3.31	3.28	3.34
DCB Decachlorobiphenyl (Surr)	11.45	11.40	11.50

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504005.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 04-May-2016 06:26:39 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-005
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 08:07:05 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

First Level Reviewer: oravecj Date: 04-May-2016 06:57:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.693	2.693	0.000	85910817H	0.1000	0.1000	
2	2.910	2.910	0.000	80465975H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.307	3.307	0.000	26084527H	0.0250	0.0253	
2	3.768	3.768	0.000	22860640H	0.0250	0.0260	
						RPD = 2.72	
6 PCB-1016							
1	3.623	3.623	0.000	8228064H	0.5000	0.4901	
1	4.447	4.447	0.000	17820925H	0.5000	0.5114	
1	4.624	4.624	0.000	12770767H	0.5000	0.5102	
1	4.700	4.700	0.000	9290749H	0.5000	0.5050	
1	5.132	5.132	0.000	10864254H	0.5000	0.5055	
		Average of Peak Amounts =				0.5045	
2	4.810	4.810	0.000	9104766H	0.5000	0.5105	
2	5.458	5.458	0.000	17336177H	0.5000	0.5363	
2	5.662	5.662	0.000	9701568H	0.5000	0.5270	
2	6.420	6.420	0.000	8508858H	0.5000	0.5221	
2	6.635	6.635	0.000	7360337H	0.5000	0.5380	
		Average of Peak Amounts =				0.5268	
						RPD = 4.33	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.013	7.013	0.000	19426248H	0.5000	0.5058	
1	7.527	7.527	0.000	28006951H	0.5000	0.5013	
1	8.084	8.084	0.000	23843464H	0.5000	0.5170	
1	9.331	9.331	0.000	45029513H	0.5000	0.5140	
1	9.801	9.801	0.000	23598764H	0.5000	0.4859	
		Average of Peak Amounts =				0.5048	
2	8.856	8.856	0.000	16737877H	0.5000	0.5069	
2	9.238	9.238	0.000	21823808H	0.5000	0.5116	
2	9.856	9.856	0.000	20506012H	0.5000	0.5085	
2	10.854	10.854	0.000	40673073H	0.5000	0.5111	
2	11.387	11.387	0.000	22135793H	0.5000	0.5109	
		Average of Peak Amounts =				0.5098	
						RPD = 0.99	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.450	11.450	0.000	20919093H	0.0250	0.0244	
2	12.943	12.943	0.000	16274732H	0.0250	0.0239	
						RPD = 2.04	

Reagents:

GCAR1660CALL4_00011	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 04-May-2016 08:07:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504005.D

Injection Date: 04-May-2016 06:26:39 Instrument ID: CHGC10

Lims ID: CCVIS

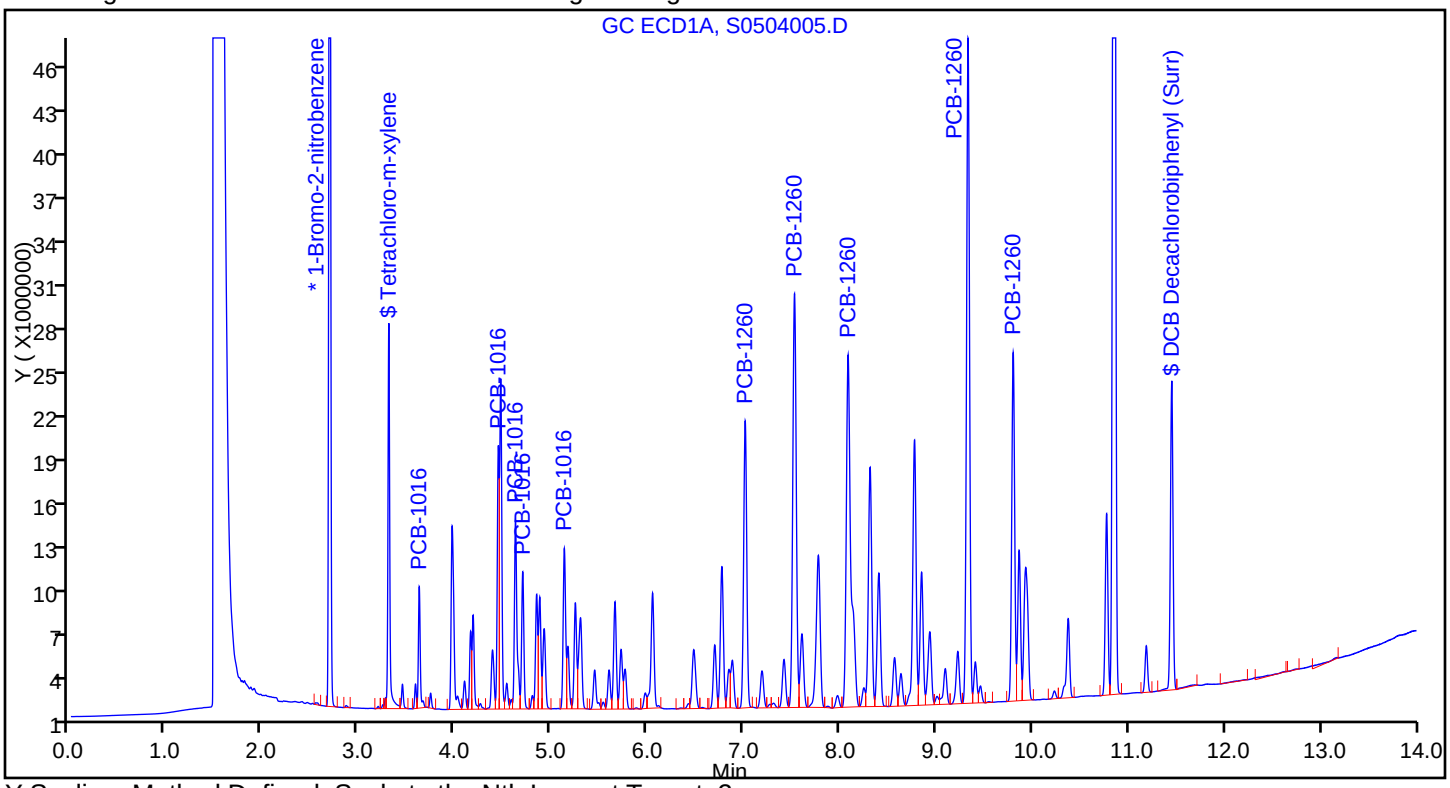
Client ID:

Operator ID: 402331 ALS Bottle#: 5 Worklist Smp#: 5

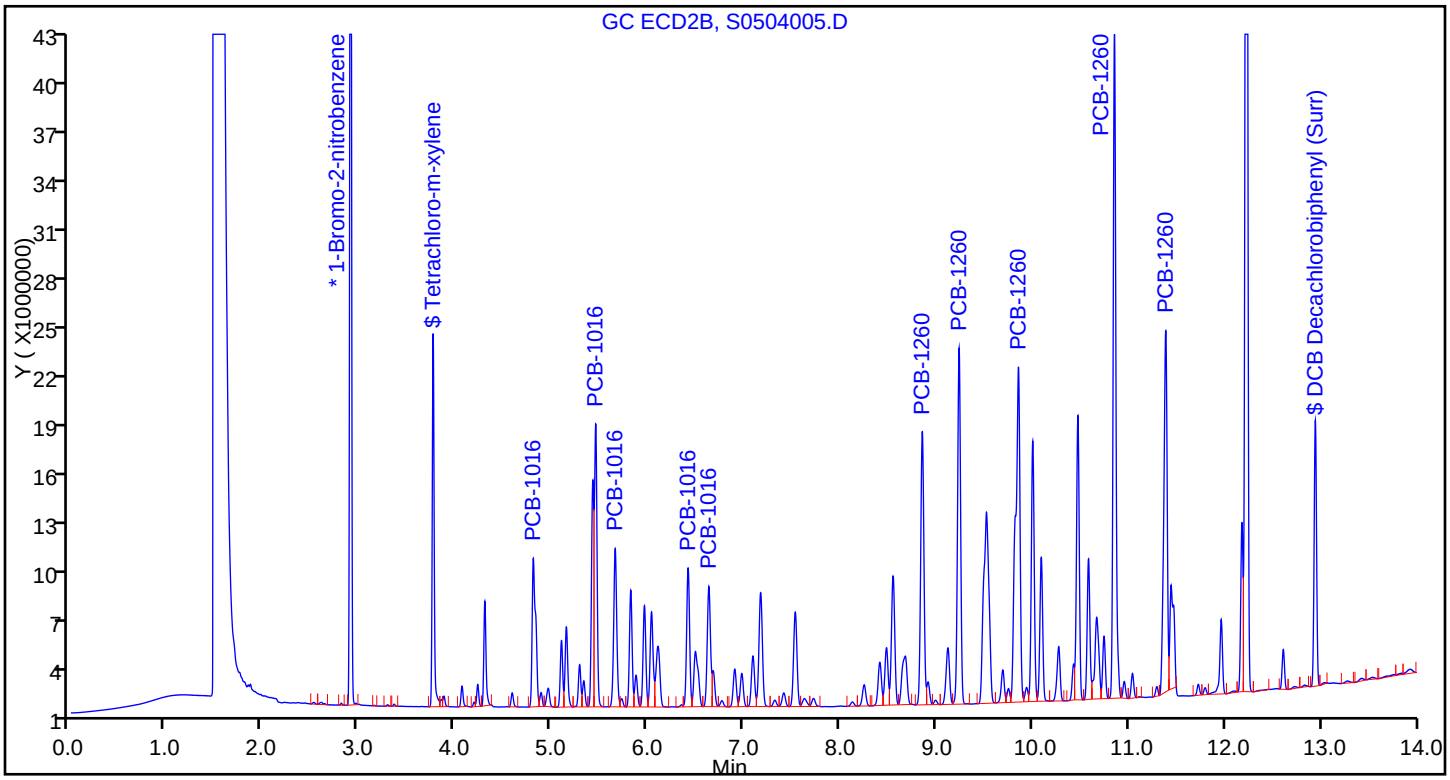
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Lab Sample ID: CCVIS 180-175185/5 Calibration Date: 05/04/2016 06:26

Instrument ID: CHGC10 Calib Start Date: 04/19/2016 10:02

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 04/19/2016 11:55

Lab File ID: S0504005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0222	0.0226		0.510	0.500	2.1	20.0
PCB-1016 Peak 2	Ave	0.0402	0.0431		0.536	0.500	7.3	20.0
PCB-1016 Peak 3	Ave	0.0229	0.0241		0.527	0.500	5.4	20.0
PCB-1016 Peak 4	Ave	0.0203	0.0212		0.522	0.500	4.4	20.0
PCB-1016 Peak 5	Ave	0.0170	0.0183		0.538	0.500	7.6	20.0
PCB-1260 Peak 1	Ave	0.0410	0.0416		0.507	0.500	1.4	20.0
PCB-1260 Peak 2	Ave	0.0530	0.0542		0.512	0.500	2.3	20.0
PCB-1260 Peak 3	Ave	0.0501	0.0510		0.508	0.500	1.7	20.0
PCB-1260 Peak 4	Ave	0.0989	0.1011		0.511	0.500	2.2	20.0
PCB-1260 Peak 5	Ave	0.0538	0.0550		0.511	0.500	2.2	20.0
Tetrachloro-m-xylene	Ave	1.093	1.136		0.0260	0.0250	3.9	20.0
DCB Decachlorobiphenyl (Surr)	Ave	0.8462	0.8090		0.0239	0.0250	-4.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Lab Sample ID: CCVIS 180-175185/5 Calibration Date: 05/04/2016 06:26

Instrument ID: CHGC10 Calib Start Date: 04/19/2016 10:02

GC Column: RTX-CLP2 ID: 0.53(mm) Calib End Date: 04/19/2016 11:55

Lab File ID: S0504005.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.81	4.76	4.86
PCB-1016 Peak 2	5.46	5.41	5.51
PCB-1016 Peak 3	5.66	5.61	5.71
PCB-1016 Peak 4	6.42	6.37	6.47
PCB-1016 Peak 5	6.64	6.59	6.69
PCB-1260 Peak 1	8.86	8.81	8.91
PCB-1260 Peak 2	9.24	9.19	9.29
PCB-1260 Peak 3	9.86	9.81	9.91
PCB-1260 Peak 4	10.85	10.80	10.90
PCB-1260 Peak 5	11.39	11.34	11.44
Tetrachloro-m-xylene	3.77	3.74	3.80
DCB Decachlorobiphenyl (Surr)	12.94	12.89	12.99

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504005.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 04-May-2016 06:26:39 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-005
Operator ID: 402331 Instrument ID: CHGC10
Sublist: chrom-IS PCB_CHGC10DUAL*sub7

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 08:07:05 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

First Level Reviewer: oravecj Date: 04-May-2016 06:57:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.693	2.693	0.000	85910817H	0.1000	0.1000	
2	2.910	2.910	0.000	80465975H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.307	3.307	0.000	26084527H	0.0250	0.0253	
2	3.768	3.768	0.000	22860640H	0.0250	0.0260	
						RPD = 2.72	
6 PCB-1016							
1	3.623	3.623	0.000	8228064H	0.5000	0.4901	
1	4.447	4.447	0.000	17820925H	0.5000	0.5114	
1	4.624	4.624	0.000	12770767H	0.5000	0.5102	
1	4.700	4.700	0.000	9290749H	0.5000	0.5050	
1	5.132	5.132	0.000	10864254H	0.5000	0.5055	
		Average of Peak Amounts =				0.5045	
2	4.810	4.810	0.000	9104766H	0.5000	0.5105	
2	5.458	5.458	0.000	17336177H	0.5000	0.5363	
2	5.662	5.662	0.000	9701568H	0.5000	0.5270	
2	6.420	6.420	0.000	8508858H	0.5000	0.5221	
2	6.635	6.635	0.000	7360337H	0.5000	0.5380	
		Average of Peak Amounts =				0.5268	
						RPD = 4.33	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.013	7.013	0.000	19426248H	0.5000	0.5058	
1	7.527	7.527	0.000	28006951H	0.5000	0.5013	
1	8.084	8.084	0.000	23843464H	0.5000	0.5170	
1	9.331	9.331	0.000	45029513H	0.5000	0.5140	
1	9.801	9.801	0.000	23598764H	0.5000	0.4859	
		Average of Peak Amounts =				0.5048	
2	8.856	8.856	0.000	16737877H	0.5000	0.5069	
2	9.238	9.238	0.000	21823808H	0.5000	0.5116	
2	9.856	9.856	0.000	20506012H	0.5000	0.5085	
2	10.854	10.854	0.000	40673073H	0.5000	0.5111	
2	11.387	11.387	0.000	22135793H	0.5000	0.5109	
		Average of Peak Amounts =				0.5098	
						RPD = 0.99	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.450	11.450	0.000	20919093H	0.0250	0.0244	
2	12.943	12.943	0.000	16274732H	0.0250	0.0239	
						RPD = 2.04	

Reagents:

GCAR1660CALL4_00011	Amount Added: 1.00	Units: mL	
GCP/PCBINTw_00002	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 04-May-2016 08:07:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504005.D

Injection Date: 04-May-2016 06:26:39 Instrument ID: CHGC10

Lims ID: CCVIS

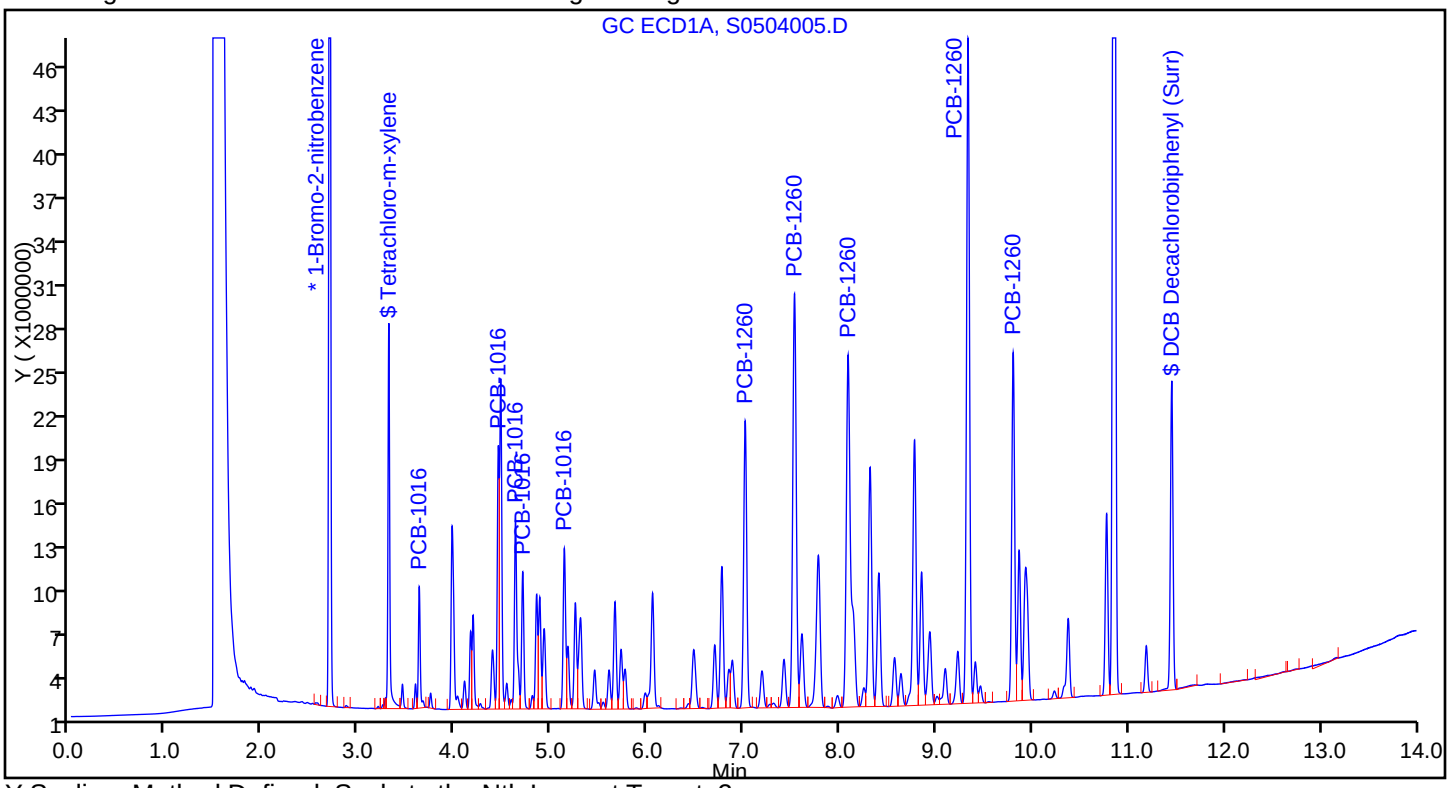
Client ID:

Operator ID: 402331 ALS Bottle#: 5 Worklist Smp#: 5

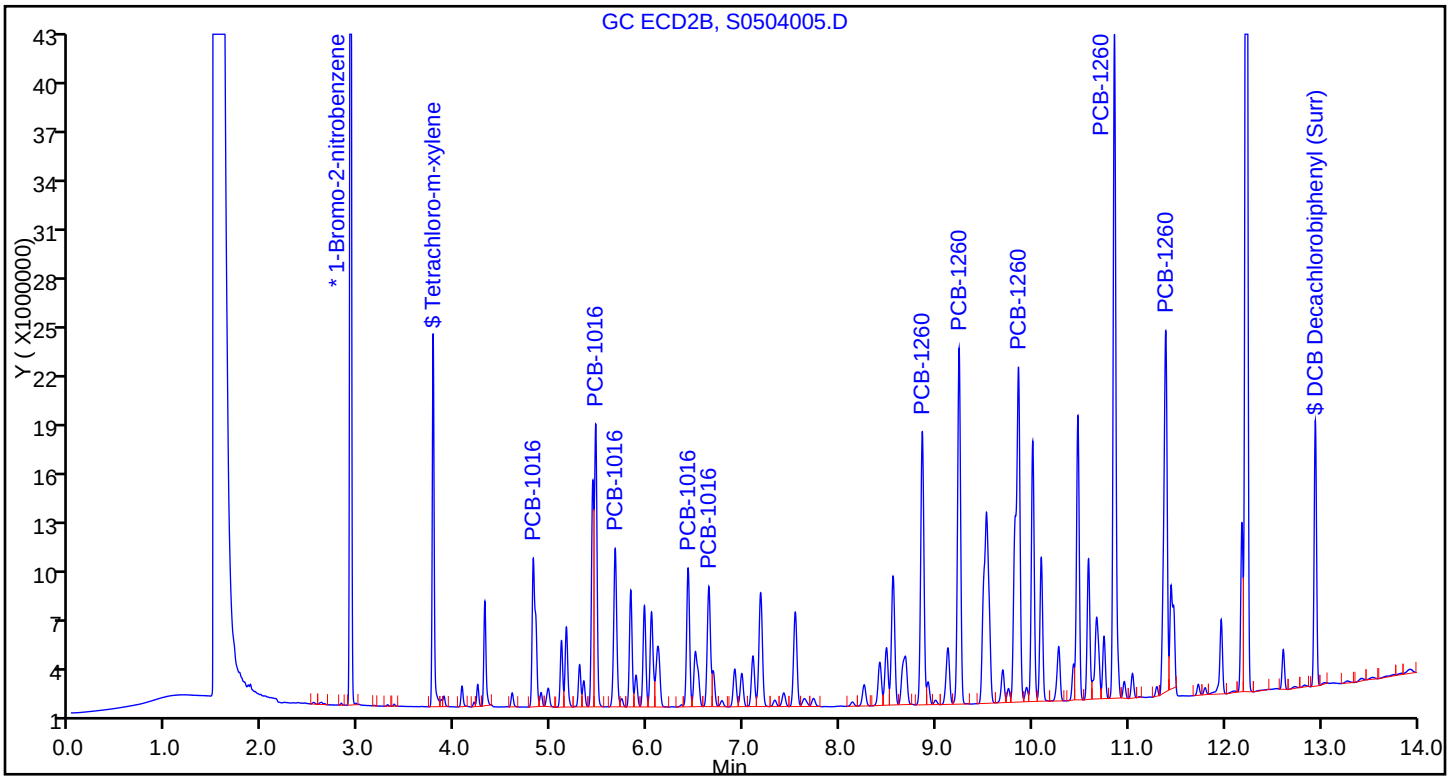
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-174909/1-A

Matrix: Water | Lab File ID: S0502026.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 04/30/2016 08:35

Sample wt/vol: 1000(mL) | Date Analyzed: 05/02/2016 15:28

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.0037	U	0.010	0.0037
11104-28-2	Arochlor 1221	0.0059	U	0.010	0.0059
11141-16-5	Arochlor 1232	0.0060	U	0.010	0.0060
53469-21-9	Arochlor 1242	0.0034	U	0.010	0.0034
12672-29-6	Arochlor 1248	0.0032	U	0.010	0.0032
11097-69-1	Arochlor 1254	0.0044	U	0.010	0.0044
11096-82-5	Arochlor 1260	0.0029	U	0.010	0.0029

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	108		43-138
877-09-8	Tetrachloro-m-xylene	106		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502026.D
Lims ID: MB 180-174909/1-A
Client ID:
Sample Type: MB
Inject. Date: 02-May-2016 15:28:31 ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-026
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:45:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.701	2.700	0.001	89519254H	0.1000	0.1000	
2	2.917	2.916	0.001	85263777H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.315	3.314	0.001	22761423H	0.0200	0.0212	
2	3.776	3.775	0.001	19659283H	0.0200	0.0211	
						RPD = 0.42	
3 PCB-1221							
1		3.450				ND	
1		3.585					
1		3.624					
2		4.068					
2		4.232					
2		4.305					
4 PCB-1232							
1		3.452				ND	
1		3.626					
1		4.474					
1		4.627					
1		6.059					
2		4.071					
2		4.307					
2		4.812					
2		5.462					
2		5.664					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
5 PCB-1242							
1		3.627				ND	
1		3.969					
1		4.475					
1		5.138					
1		5.770					
2		4.309					
2		4.813					
2		5.462					
2		5.664					
2		6.424					
6 PCB-1016							
1		3.630				ND	
1		4.455					
1		4.633					
1		4.708					
1		5.142					
2		4.818					
2		5.467					
2		5.670					
2		6.429					
2		6.645					
7 PCB-1248							
1		3.970				ND	
1		5.138					
1		5.728					
1		6.066					
1		6.705					
2		5.971					
2		6.426					
2		7.100					
2		7.187					
2		7.632					
8 PCB-1254							
1		5.660				ND	
1		6.052					
1		6.699					
1		7.187					
1		8.087					
2		7.174					
2		7.535					
2		8.482					
2		8.915					
2		9.857					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1		7.023				ND	
1		7.537					
1		8.095					
1		9.340					
1		9.809					
2		8.865					
2		9.246					
2		9.863					
2		10.861					
2		11.394					
10 PCB-1262							
1		7.530				ND	
1		8.317					
1		9.335					
1		9.802					
1		9.866					
2		9.240					
2		10.007					
2		10.857					
2		11.382					
2		11.966					
11 PCB-1268							
1		9.866				ND	
1		9.929					
1		10.233					
1		11.188					
2		11.378					
2		11.444					
2		11.797					
2		12.611					
* 46 PCB-205 (IS)							
1	10.857	10.853	0.004	118896598H		0	
2	12.231	12.228	0.003	100398545H		0	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.456	11.455	0.001	19254463H	0.0200	0.0215	
2	12.947	12.948	-0.001	14436479H	0.0200	0.0200	
						RPD = 7.41	
13 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 3							
1		0.000				ND	
2		0.000					
15 1260 Res 1							
1		0.000				ND	
2		0.000					

Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502026.D

Injection Date: 02-May-2016 15:28:31 Instrument ID: CHGC10

Lims ID: MB 180-174909/1-A

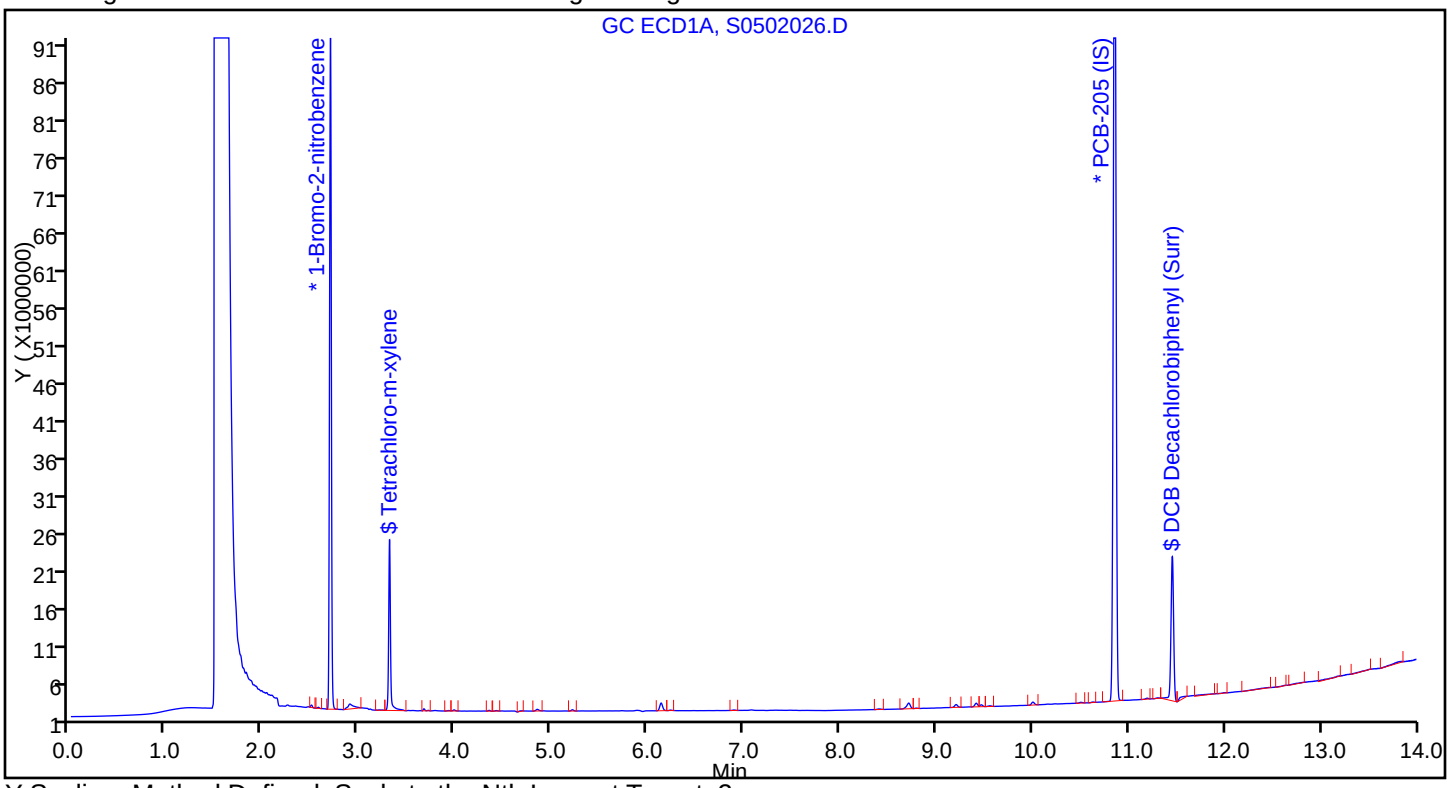
Client ID:

Operator ID: 402331 ALS Bottle#: 26 Worklist Smp#: 26

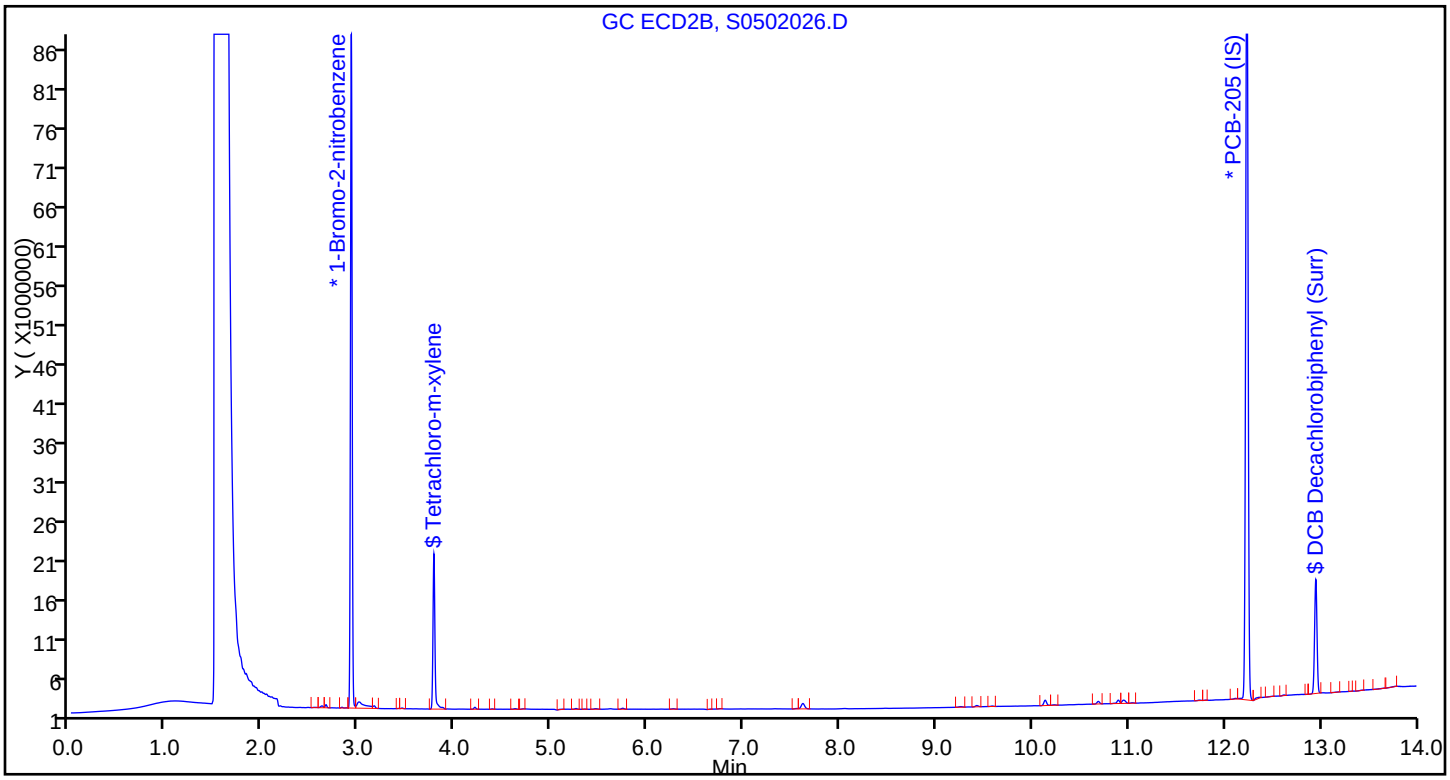
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-174909/1-A

Matrix: Water Lab File ID: S0502026.D

Analysis Method: 8082A Date Collected:

Extraction Method: 3510C Date Extracted: 04/30/2016 08:35

Sample wt/vol: 1000(mL) Date Analyzed: 05/02/2016 15:28

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	100		43-138
877-09-8	Tetrachloro-m-xylene	105		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502026.D
Lims ID: MB 180-174909/1-A
Client ID:
Sample Type: MB
Inject. Date: 02-May-2016 15:28:31 ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-026
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:45:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.701	2.700	0.001	89519254H	0.1000	0.1000	
2	2.917	2.916	0.001	85263777H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.315	3.314	0.001	22761423H	0.0200	0.0212	
2	3.776	3.775	0.001	19659283H	0.0200	0.0211	
						RPD = 0.42	
3 PCB-1221							
1		3.450				ND	
1		3.585					
1		3.624					
2		4.068					
2		4.232					
2		4.305					
4 PCB-1232							
1		3.452				ND	
1		3.626					
1		4.474					
1		4.627					
1		6.059					
2		4.071					
2		4.307					
2		4.812					
2		5.462					
2		5.664					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
5 PCB-1242							
1		3.627				ND	
1		3.969					
1		4.475					
1		5.138					
1		5.770					
2		4.309					
2		4.813					
2		5.462					
2		5.664					
2		6.424					
6 PCB-1016							
1		3.630				ND	
1		4.455					
1		4.633					
1		4.708					
1		5.142					
2		4.818					
2		5.467					
2		5.670					
2		6.429					
2		6.645					
7 PCB-1248							
1		3.970				ND	
1		5.138					
1		5.728					
1		6.066					
1		6.705					
2		5.971					
2		6.426					
2		7.100					
2		7.187					
2		7.632					
8 PCB-1254							
1		5.660				ND	
1		6.052					
1		6.699					
1		7.187					
1		8.087					
2		7.174					
2		7.535					
2		8.482					
2		8.915					
2		9.857					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1		7.023				ND	
1		7.537					
1		8.095					
1		9.340					
1		9.809					
2		8.865					
2		9.246					
2		9.863					
2		10.861					
2		11.394					
10 PCB-1262							
1		7.530				ND	
1		8.317					
1		9.335					
1		9.802					
1		9.866					
2		9.240					
2		10.007					
2		10.857					
2		11.382					
2		11.966					
11 PCB-1268							
1		9.866				ND	
1		9.929					
1		10.233					
1		11.188					
2		11.378					
2		11.444					
2		11.797					
2		12.611					
* 46 PCB-205 (IS)							
1	10.857	10.853	0.004	118896598H		0	
2	12.231	12.228	0.003	100398545H		0	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.456	11.455	0.001	19254463H	0.0200	0.0215	
2	12.947	12.948	-0.001	14436479H	0.0200	0.0200	
						RPD = 7.41	
13 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 3							
1		0.000				ND	
2		0.000					
15 1260 Res 1							
1		0.000				ND	
2		0.000					

Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502026.D

Injection Date: 02-May-2016 15:28:31 Instrument ID: CHGC10

Lims ID: MB 180-174909/1-A

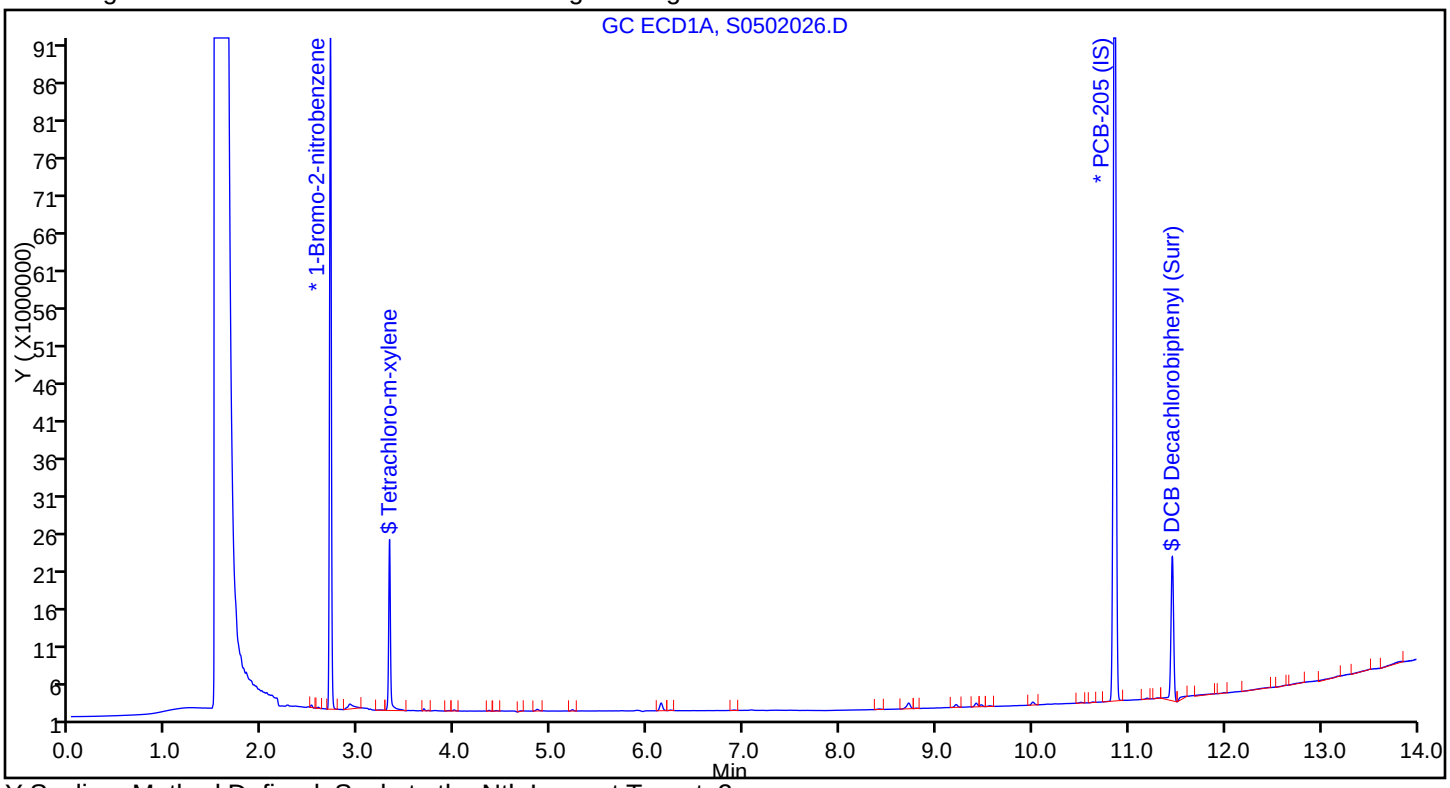
Client ID:

Operator ID: 402331 ALS Bottle#: 26 Worklist Smp#: 26

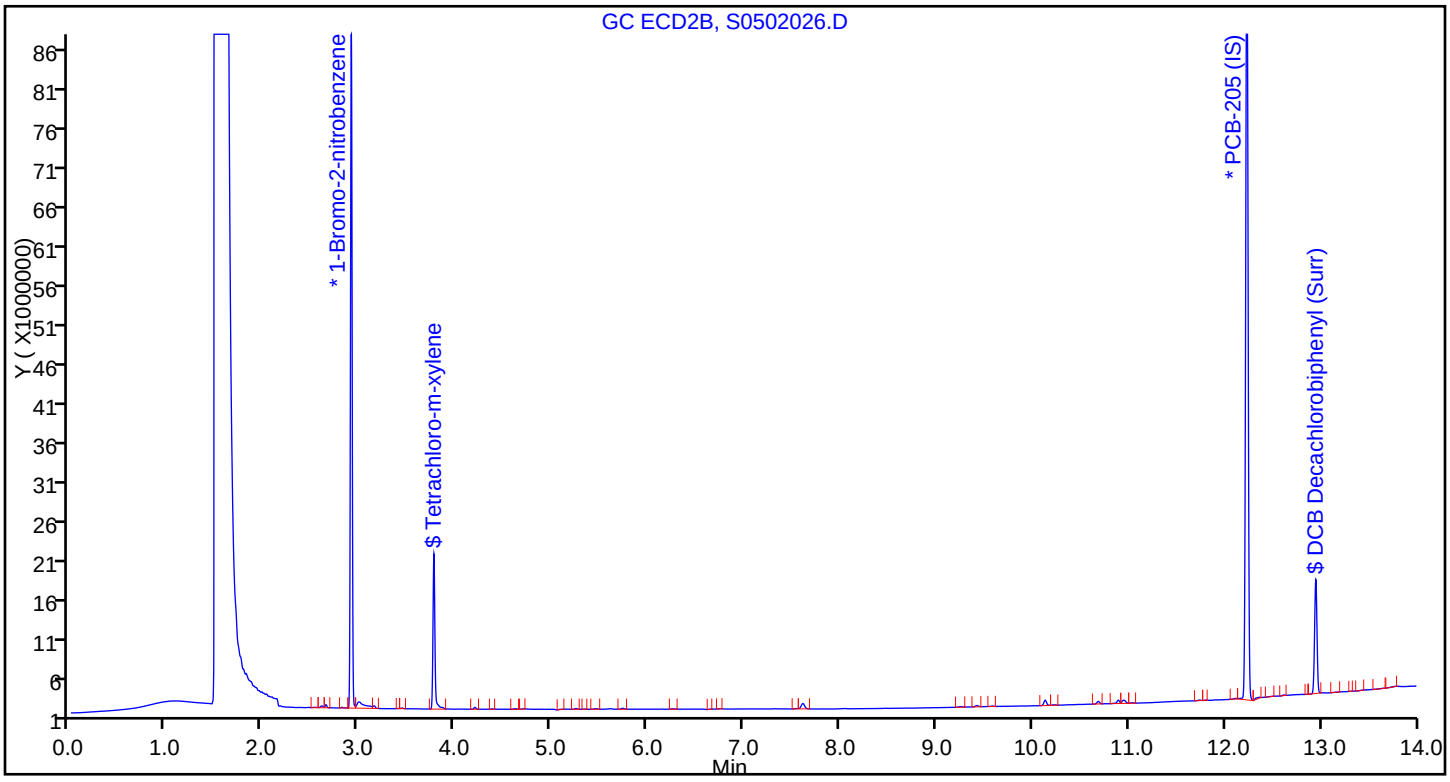
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-175171/1-A

Matrix: Water | Lab File ID: S0504010.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/03/2016 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 05/04/2016 08:00

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.0037	U	0.010	0.0037
11104-28-2	Arochlor 1221	0.0059	U	0.010	0.0059
11141-16-5	Arochlor 1232	0.0060	U	0.010	0.0060
53469-21-9	Arochlor 1242	0.0034	U	0.010	0.0034
12672-29-6	Arochlor 1248	0.0032	U	0.010	0.0032
11097-69-1	Arochlor 1254	0.0044	U	0.010	0.0044
11096-82-5	Arochlor 1260	0.0029	U	0.010	0.0029

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	98		43-138
877-09-8	Tetrachloro-m-xylene	106		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504010.D
Lims ID: MB 180-175171/1-A
Client ID:
Sample Type: MB
Inject. Date: 04-May-2016 08:00:45 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-010
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 10:40:44 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.700	2.693	0.007	80088399H	0.1000	0.1000	
2	2.916	2.910	0.006	77321371H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.311	3.307	0.004	20374393H	0.0200	0.0212	
2	3.772	3.768	0.004	17674436H	0.0200	0.0209	
						RPD = 1.34	
3 PCB-1221							
1		3.444				ND	
1		3.579					
1		3.618					
2		4.063					
2		4.225					
2		4.299					
4 PCB-1232							
1		3.447				ND	
1		3.622					
1		4.468					
1		4.622					
1		6.053					
2		4.066					
2		4.302					
2		4.807					
2		5.455					
2		5.657					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
5 PCB-1242							
1		3.623				ND	
1		3.965					
1		4.471					
1		5.132					
1		5.764					
2		4.304					
2		4.809					
2		5.457					
2		5.661					
2		6.419					
6 PCB-1016							
1		3.623				ND	
1		4.447					
1		4.624					
1		4.700					
1		5.132					
2		4.810					
2		5.458					
2		5.662					
2		6.420					
2		6.635					
7 PCB-1248							
1		3.965				ND	
1		5.133					
1		5.723					
1		6.060					
1		6.698					
2		5.966					
2		6.421					
2		7.094					
2		7.183					
2		7.629					
8 PCB-1254							
1		5.654				ND	
1		6.046					
1		6.693					
1		7.182					
1		8.083					
2		7.166					
2		7.528					
2		8.475					
2		8.910					
2		9.853					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1		7.013				ND	
1		7.527					
1		8.084					
1		9.331					
1		9.801					
2		8.856					
2		9.238					
2		9.856					
2		10.854					
2		11.387					
10 PCB-1262							
1		7.523				ND	
1		8.309					
1		9.329					
1		9.798					
1		9.862					
2		9.233					
2		10.001					
2		10.852					
2		11.378					
2		11.962					
11 PCB-1268							
1		9.862				ND	
1		9.925					
1		10.229					
1		11.185					
2		11.375					
2		11.441					
2		11.795					
2		12.610					
* 46 PCB-205 (IS)							
1	10.851	10.853	-0.001	108555947H		0	
2	12.226	12.228	-0.001	93379369H		0	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.451	11.450	0.001	15587805H	0.0200	0.0195	
2	12.943	12.943	0.000	12089965H	0.0200	0.0185	
						RPD = 5.38	
13 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 3							
1		0.000				ND	
2		0.000					
15 1260 Res 1							
1		0.000				ND	
2		0.000					

Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

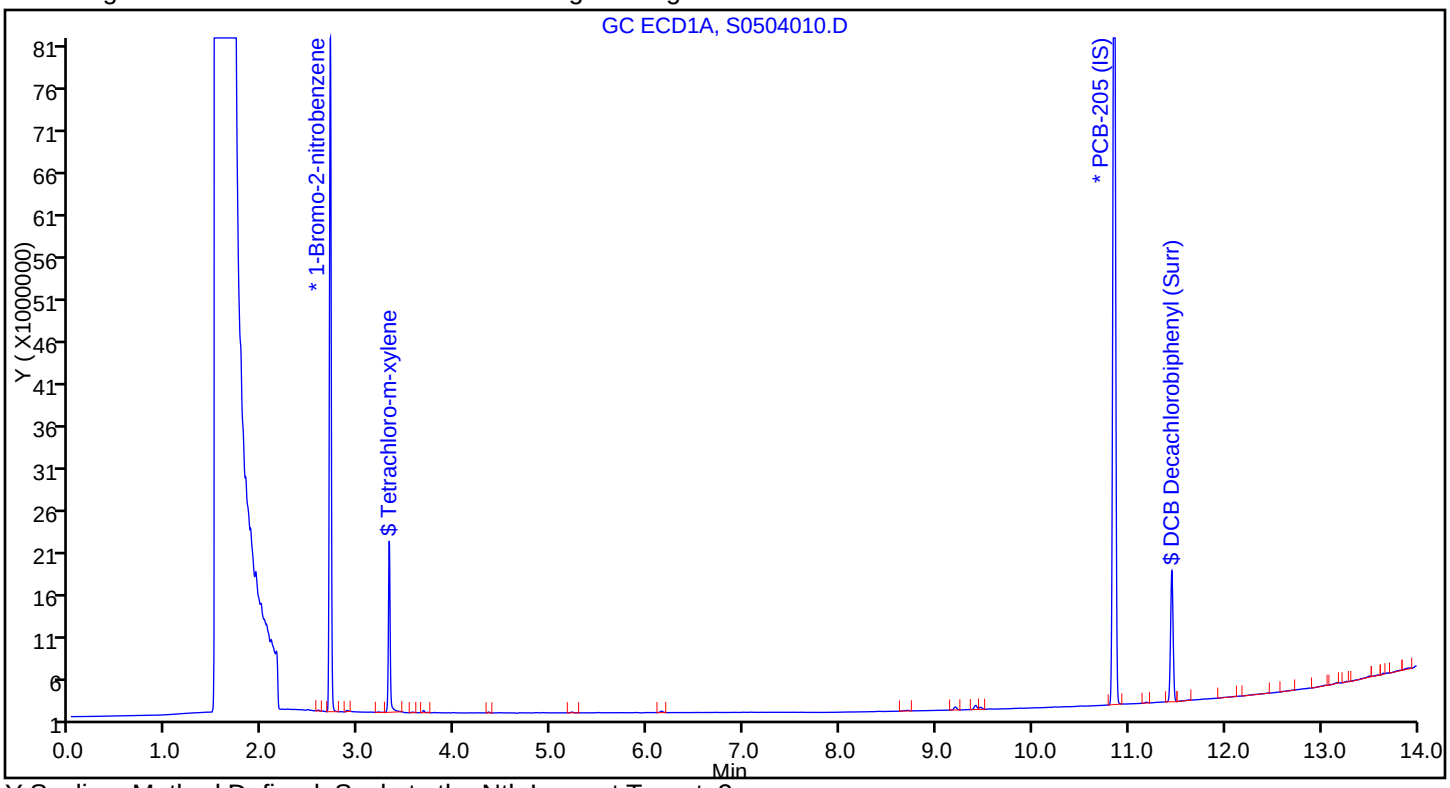
Report Date: 04-May-2016 10:41:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

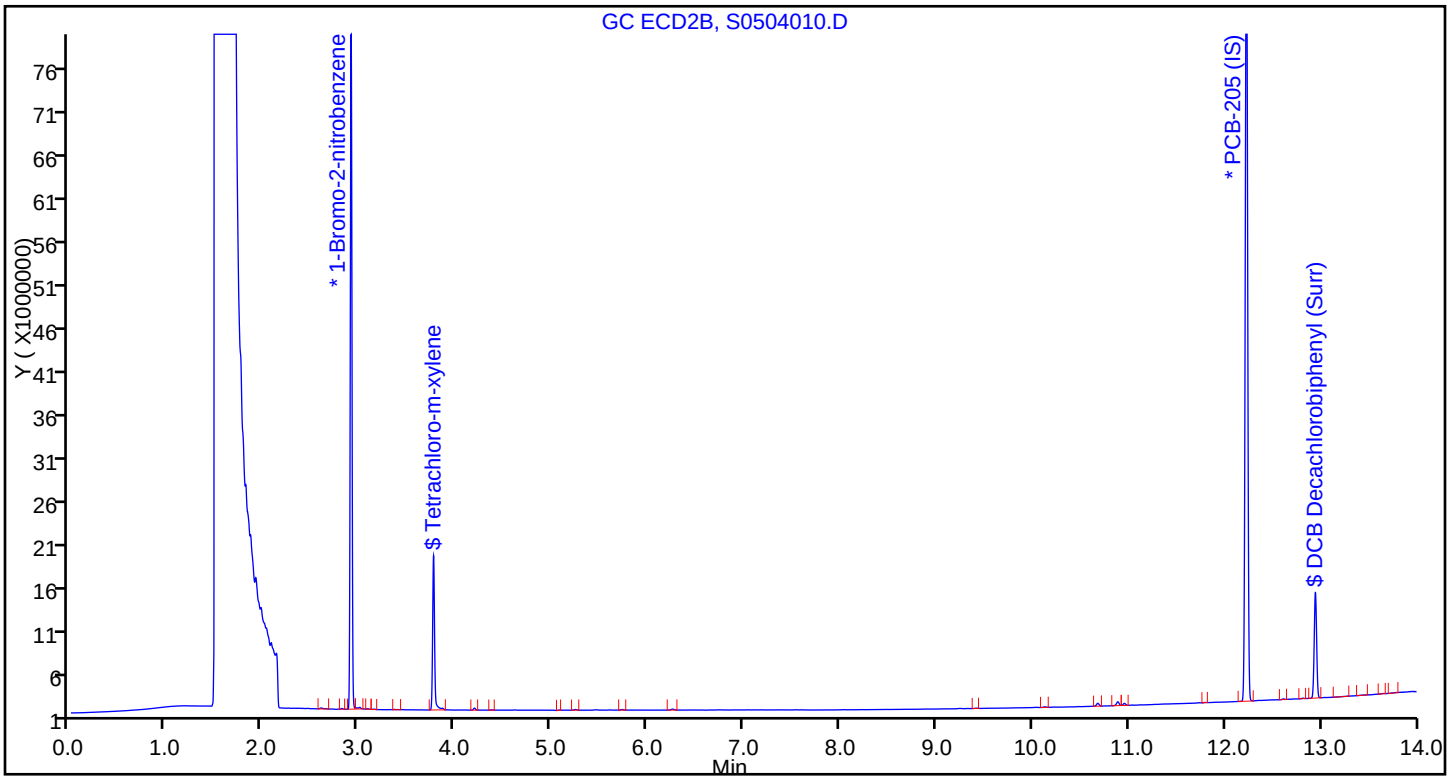
Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504010.D

Injection Date:	04-May-2016 08:00:45	Instrument ID:	CHGC10		
Lims ID:	MB 180-175171/1-A				
Client ID:					
Operator ID:	402331	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-175171/1-A

Matrix: Water Lab File ID: S0504010.D

Analysis Method: 8082A Date Collected:

Extraction Method: 3510C Date Extracted: 05/03/2016 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 05/04/2016 08:00

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	92		43-138
877-09-8	Tetrachloro-m-xylene	105		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504010.D
Lims ID: MB 180-175171/1-A
Client ID:
Sample Type: MB
Inject. Date: 04-May-2016 08:00:45 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-010
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 10:40:44 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.700	2.693	0.007	80088399H	0.1000	0.1000	
2	2.916	2.910	0.006	77321371H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.311	3.307	0.004	20374393H	0.0200	0.0212	
2	3.772	3.768	0.004	17674436H	0.0200	0.0209	
						RPD = 1.34	
3 PCB-1221							
1		3.444				ND	
1		3.579					
1		3.618					
2		4.063					
2		4.225					
2		4.299					
4 PCB-1232							
1		3.447				ND	
1		3.622					
1		4.468					
1		4.622					
1		6.053					
2		4.066					
2		4.302					
2		4.807					
2		5.455					
2		5.657					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
5 PCB-1242							
1		3.623				ND	
1		3.965					
1		4.471					
1		5.132					
1		5.764					
2		4.304					
2		4.809					
2		5.457					
2		5.661					
2		6.419					
6 PCB-1016							
1		3.623				ND	
1		4.447					
1		4.624					
1		4.700					
1		5.132					
2		4.810					
2		5.458					
2		5.662					
2		6.420					
2		6.635					
7 PCB-1248							
1		3.965				ND	
1		5.133					
1		5.723					
1		6.060					
1		6.698					
2		5.966					
2		6.421					
2		7.094					
2		7.183					
2		7.629					
8 PCB-1254							
1		5.654				ND	
1		6.046					
1		6.693					
1		7.182					
1		8.083					
2		7.166					
2		7.528					
2		8.475					
2		8.910					
2		9.853					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1		7.013				ND	
1		7.527					
1		8.084					
1		9.331					
1		9.801					
2		8.856					
2		9.238					
2		9.856					
2		10.854					
2		11.387					
10 PCB-1262							
1		7.523				ND	
1		8.309					
1		9.329					
1		9.798					
1		9.862					
2		9.233					
2		10.001					
2		10.852					
2		11.378					
2		11.962					
11 PCB-1268							
1		9.862				ND	
1		9.925					
1		10.229					
1		11.185					
2		11.375					
2		11.441					
2		11.795					
2		12.610					
* 46 PCB-205 (IS)							
1	10.851	10.853	-0.001	108555947H		0	
2	12.226	12.228	-0.001	93379369H		0	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.451	11.450	0.001	15587805H	0.0200	0.0195	
2	12.943	12.943	0.000	12089965H	0.0200	0.0185	
						RPD = 5.38	
13 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 3							
1		0.000				ND	
2		0.000					
15 1260 Res 1							
1		0.000				ND	
2		0.000					

Reagents:

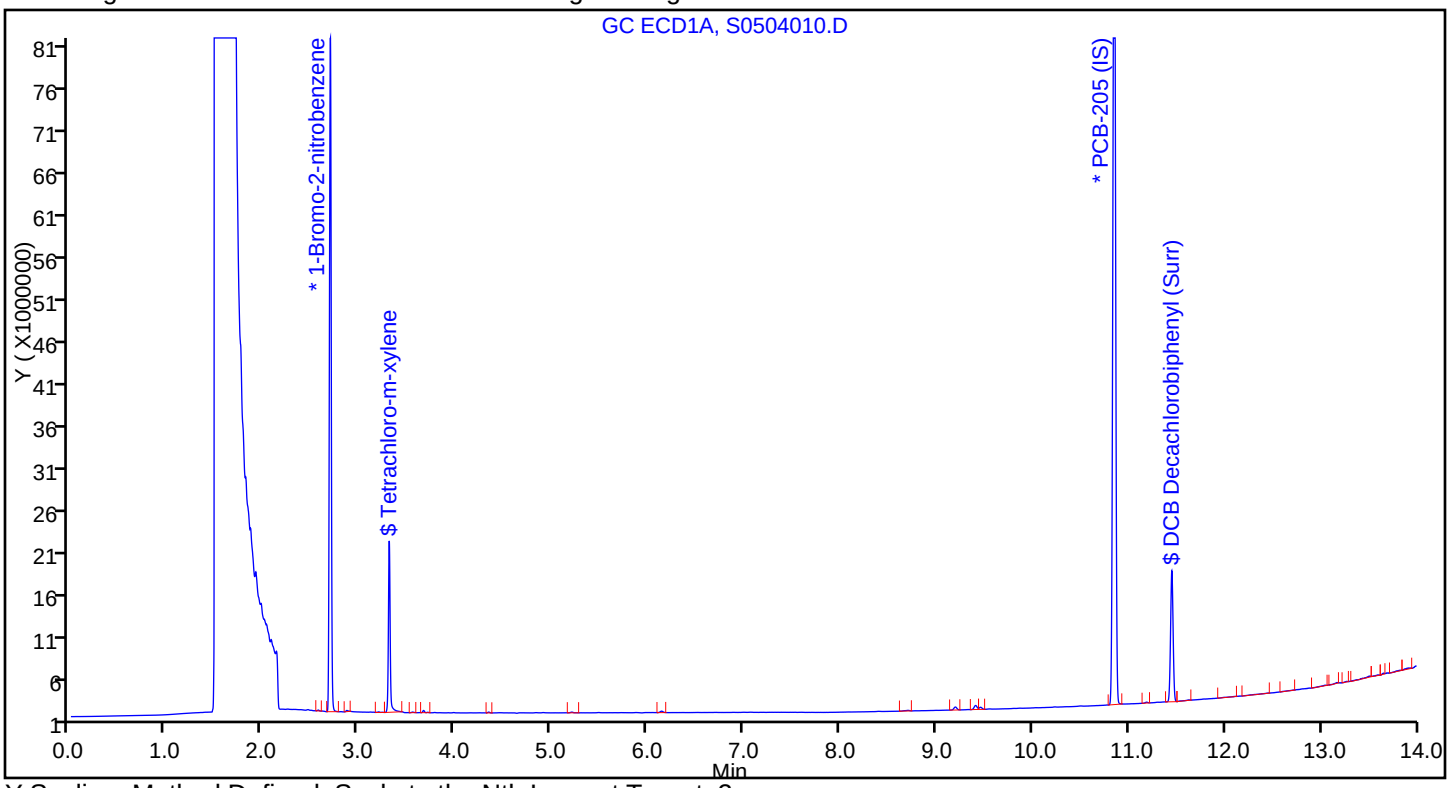
GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 04-May-2016 10:41:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

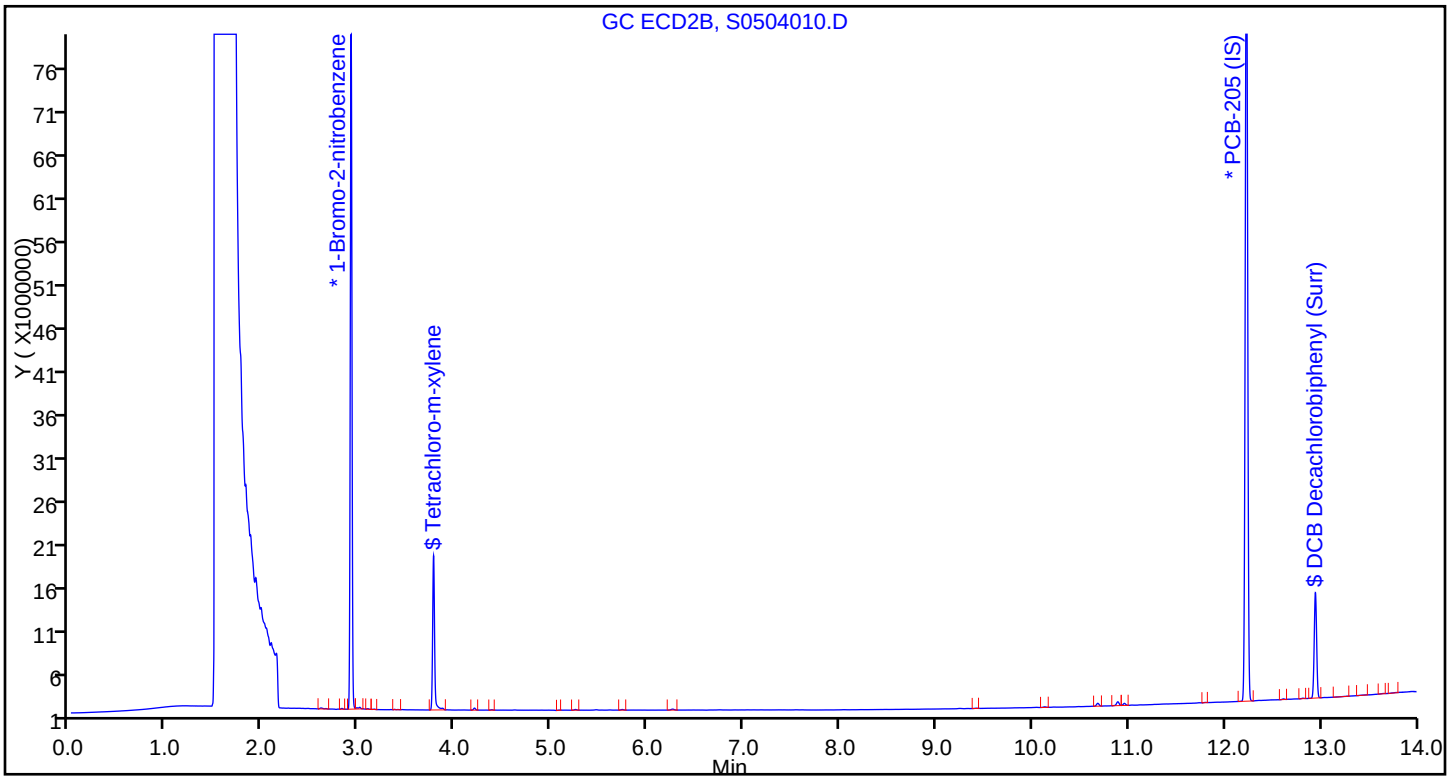
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504010.D				
Injection Date:	04-May-2016 08:00:45	Instrument ID:	CHGC10		
Lims ID:	MB 180-175171/1-A				
Client ID:					
Operator ID:	402331	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-174909/2-A

Matrix: Water | Lab File ID: S0502035.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 04/30/2016 08:35

Sample wt/vol: 1000(mL) | Date Analyzed: 05/02/2016 18:18

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.981		0.010	0.0037
11096-82-5	Arochlor 1260	0.967		0.010	0.0029

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	102		43-138
877-09-8	Tetrachloro-m-xylene	111		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502035.D
Lims ID: LCS 180-174909/2-A
Client ID:
Sample Type: LCS
Inject. Date: 02-May-2016 18:18:04 ALS Bottle#: 35 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-035
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:52:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.700	2.700	0.000	90651969H	0.1000	0.1000	
2	2.915	2.916	-0.001	87469235H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.313	3.314	-0.001	24267329H	0.0200	0.0223	
2	3.773	3.775	-0.002	20920188H	0.0200	0.0219	
						RPD = 1.91	
6 PCB-1016							
1	3.630	3.630	0.000	18037830H	1.00	1.02	
1	4.452	4.455	-0.003	37734493H	1.00	1.03	
1	4.630	4.633	-0.003	23679380H	1.00	0.8965	
1	4.705	4.708	-0.003	19382438H	1.00	1.00	
1	5.140	5.142	-0.002	21889862H	1.00	0.9653	
		Average of Peak Amounts =				0.9810	
2	4.815	4.818	-0.003	19044894H	1.00	0.9823	
2	5.464	5.467	-0.003	35491676H	1.00	1.01	
2	5.666	5.670	-0.004	19446120H	1.00	0.9717	
2	6.424	6.429	-0.005	16844622H	1.00	0.9509	
2	6.640	6.645	-0.005	14296700H	1.00	0.9614	
		Average of Peak Amounts =				0.9753	
						RPD = 0.58	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.020	7.023	-0.003	38349003H	1.00	0.9462	
1	7.533	7.537	-0.004	58197506H	1.00	0.9872	
1	8.090	8.095	-0.005	52670885H	1.00	1.08	
1	9.335	9.340	-0.005	81379316H	1.00	0.8804	
1	9.805	9.809	-0.004	48024467H	1.00	0.9370	
		Average of Peak Amounts =				0.9666	
2	8.860	8.865	-0.005	33099915H	1.00	0.9222	
2	9.241	9.246	-0.005	43873707H	1.00	0.9461	
2	9.859	9.863	-0.004	45955628H	1.00	1.05	
2	10.856	10.861	-0.005	76828748H	1.00	0.8882	
2	11.390	11.394	-0.004	42549436H	1.00	0.9035	
		Average of Peak Amounts =				0.9417	
						RPD = 2.62	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.451	11.455	-0.004	18547168H	0.0200	0.0205	
2	12.945	12.948	-0.003	14334746H	0.0200	0.0194	
						RPD = 5.67	

Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:08 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502035.D

Injection Date: 02-May-2016 18:18:04 Instrument ID: CHGC10

Lims ID: LCS 180-174909/2-A

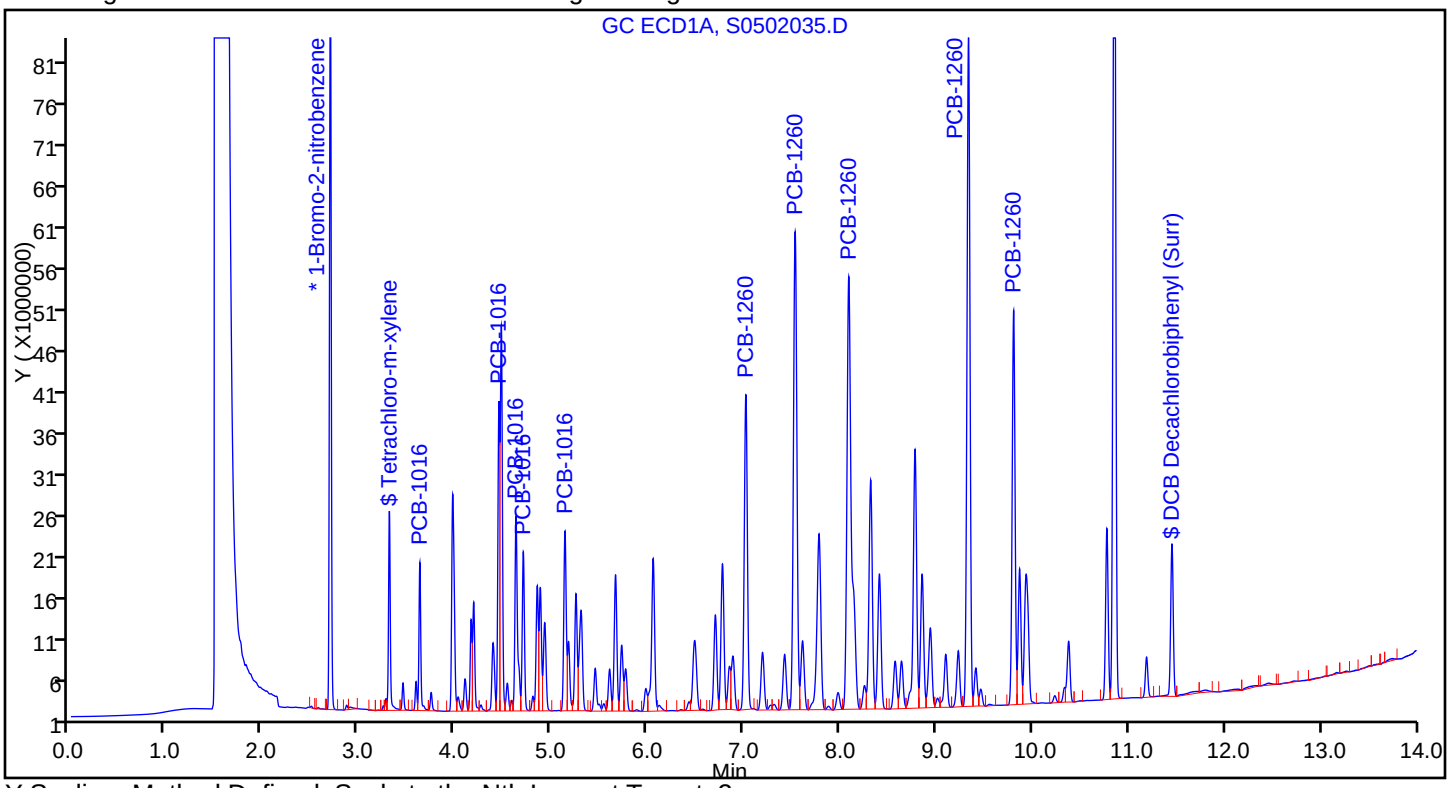
Client ID:

Operator ID: 402331 ALS Bottle#: 35 Worklist Smp#: 35

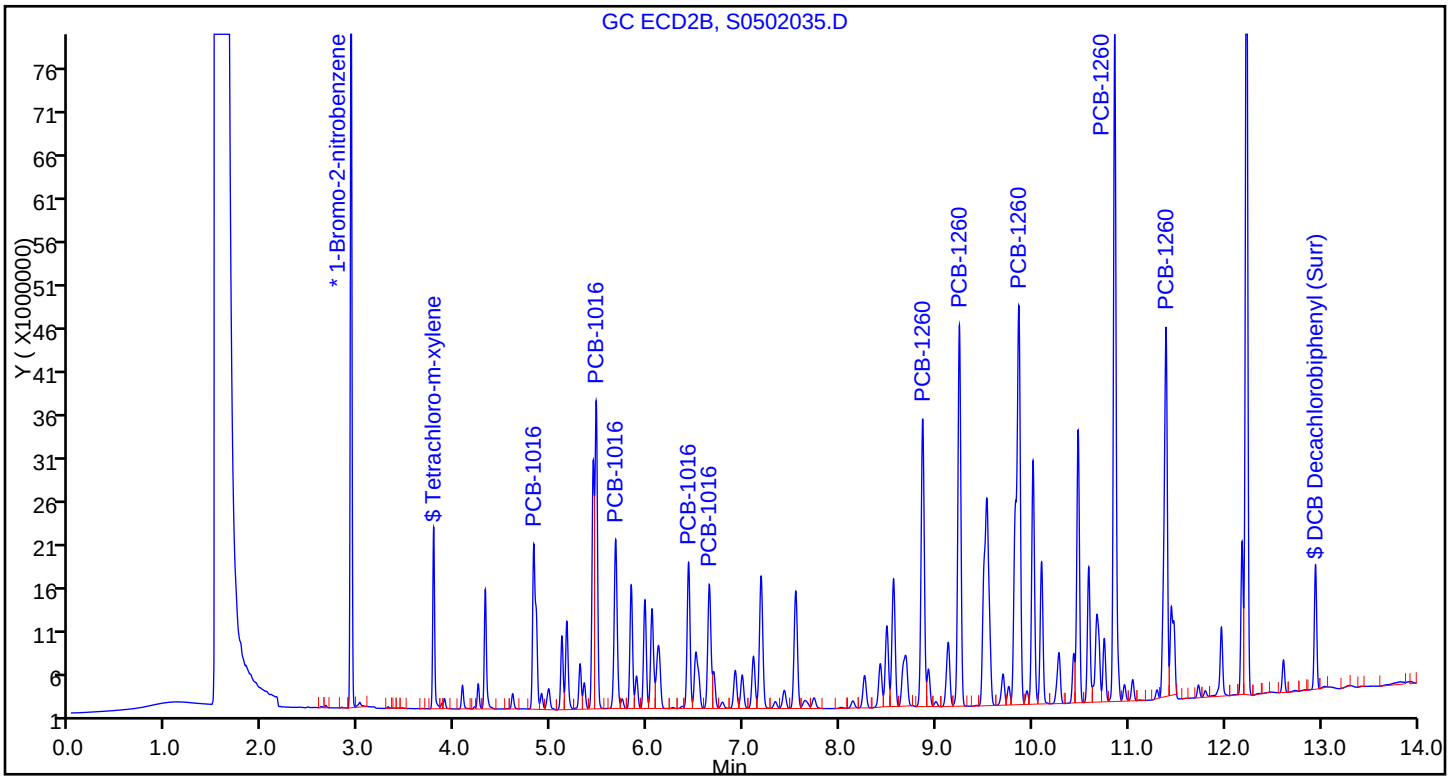
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-174909/2-A

Matrix: Water | Lab File ID: S0502035.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 04/30/2016 08:35

Sample wt/vol: 1000(mL) | Date Analyzed: 05/02/2016 18:18

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	97		43-138
877-09-8	Tetrachloro-m-xylene	109		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502035.D
Lims ID: LCS 180-174909/2-A
Client ID:
Sample Type: LCS
Inject. Date: 02-May-2016 18:18:04 ALS Bottle#: 35 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-035
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:52:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.700	2.700	0.000	90651969H	0.1000	0.1000	
2	2.915	2.916	-0.001	87469235H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.313	3.314	-0.001	24267329H	0.0200	0.0223	
2	3.773	3.775	-0.002	20920188H	0.0200	0.0219	
						RPD = 1.91	
6 PCB-1016							
1	3.630	3.630	0.000	18037830H	1.00	1.02	
1	4.452	4.455	-0.003	37734493H	1.00	1.03	
1	4.630	4.633	-0.003	23679380H	1.00	0.8965	
1	4.705	4.708	-0.003	19382438H	1.00	1.00	
1	5.140	5.142	-0.002	21889862H	1.00	0.9653	
		Average of Peak Amounts =				0.9810	
2	4.815	4.818	-0.003	19044894H	1.00	0.9823	
2	5.464	5.467	-0.003	35491676H	1.00	1.01	
2	5.666	5.670	-0.004	19446120H	1.00	0.9717	
2	6.424	6.429	-0.005	16844622H	1.00	0.9509	
2	6.640	6.645	-0.005	14296700H	1.00	0.9614	
		Average of Peak Amounts =				0.9753	
						RPD = 0.58	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.020	7.023	-0.003	38349003H	1.00	0.9462	
1	7.533	7.537	-0.004	58197506H	1.00	0.9872	
1	8.090	8.095	-0.005	52670885H	1.00	1.08	
1	9.335	9.340	-0.005	81379316H	1.00	0.8804	
1	9.805	9.809	-0.004	48024467H	1.00	0.9370	
		Average of Peak Amounts =				0.9666	
2	8.860	8.865	-0.005	33099915H	1.00	0.9222	
2	9.241	9.246	-0.005	43873707H	1.00	0.9461	
2	9.859	9.863	-0.004	45955628H	1.00	1.05	
2	10.856	10.861	-0.005	76828748H	1.00	0.8882	
2	11.390	11.394	-0.004	42549436H	1.00	0.9035	
		Average of Peak Amounts =				0.9417	
						RPD = 2.62	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.451	11.455	-0.004	18547168H	0.0200	0.0205	
2	12.945	12.948	-0.003	14334746H	0.0200	0.0194	
						RPD = 5.67	

Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502035.D

Injection Date: 02-May-2016 18:18:04 Instrument ID: CHGC10

Lims ID: LCS 180-174909/2-A

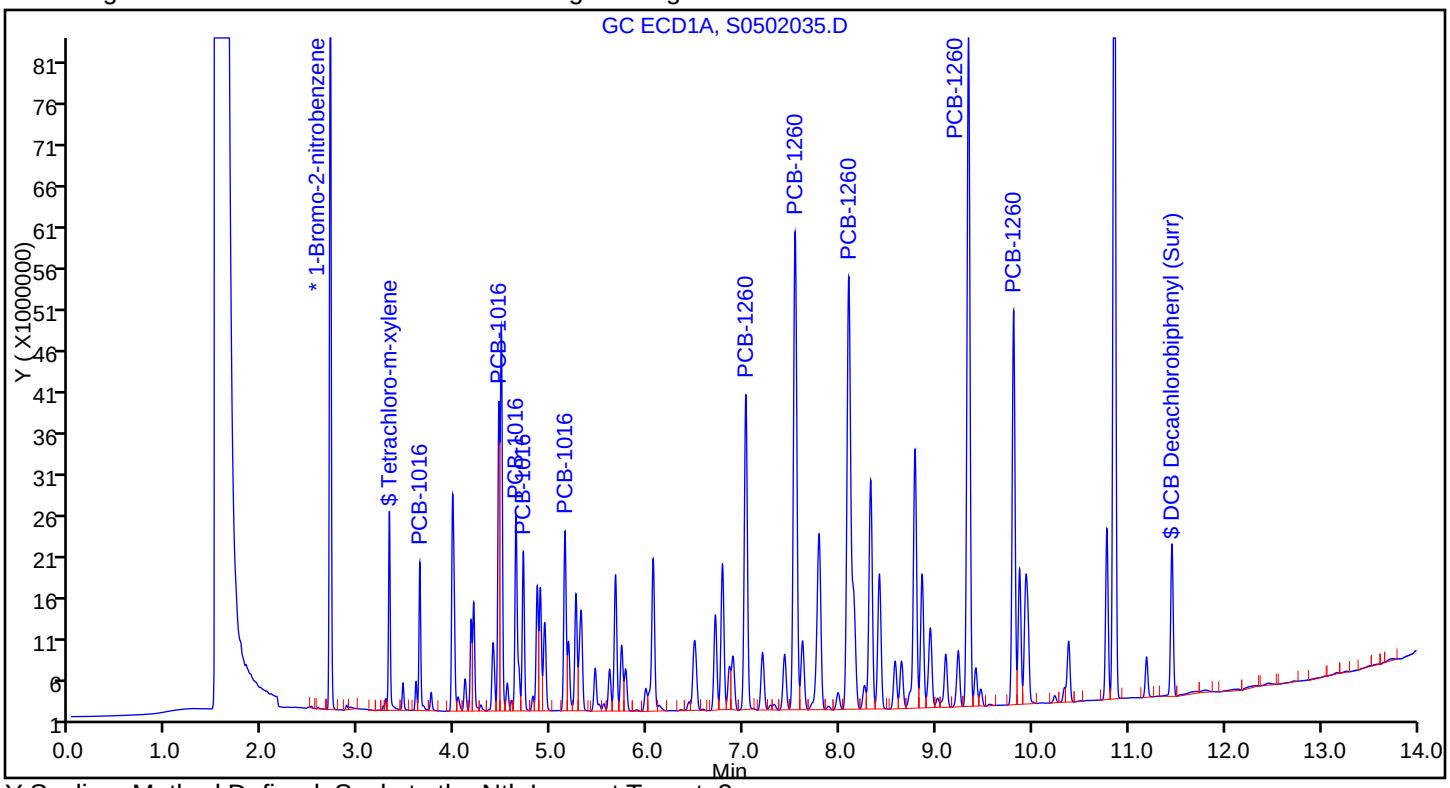
Client ID:

Operator ID: 402331 ALS Bottle#: 35 Worklist Smp#: 35

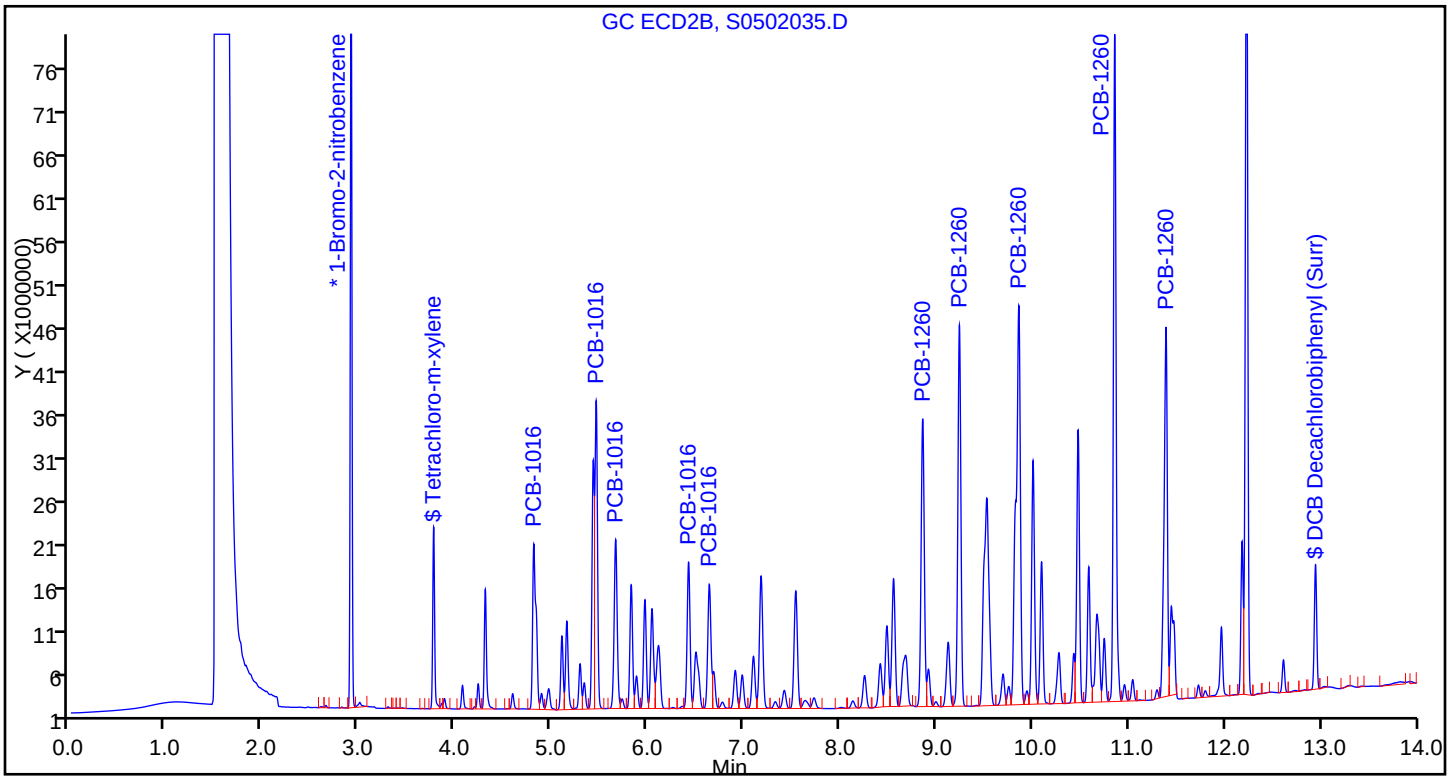
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-175171/2-A

Matrix: Water | Lab File ID: S0504024.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/03/2016 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 05/04/2016 12:16

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.957		0.010	0.0037
11096-82-5	Arochlor 1260	0.979		0.010	0.0029

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	98		43-138
877-09-8	Tetrachloro-m-xylene	98		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504024.D
Lims ID: LCS 180-175171/2-A
Client ID:
Sample Type: LCS
Inject. Date: 04-May-2016 12:16:44 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-024
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 12:35:44 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

First Level Reviewer: oravecj Date: 04-May-2016 12:36:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.701	2.693	0.007	86337543H	0.1000	0.1000	
2	2.917	2.910	0.007	84210712H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.314	3.307	0.007	20216258H	0.0200	0.0195	
2	3.776	3.768	0.008	17369296H	0.0200	0.0189	
						RPD = 3.32	
6 PCB-1016							
1	3.631	3.623	0.008	15928653H	1.00	0.9442	
1	4.453	4.447	0.006	34452548H	1.00	0.9837	
1	4.631	4.624	0.007	23018655H	1.00	0.9150	
1	4.707	4.700	0.007	18096758H	1.00	0.9789	
1	5.140	5.132	0.008	20842851H	1.00	0.9651	
		Average of Peak Amounts =				0.9574	
2	4.817	4.810	0.007	16989978H	1.00	0.9102	
2	5.467	5.458	0.009	32912476H	1.00	0.9729	
2	5.668	5.662	0.006	17970602H	1.00	0.9327	
2	6.427	6.420	0.007	15928057H	1.00	0.9339	
2	6.642	6.635	0.007	13582435H	1.00	0.9487	
		Average of Peak Amounts =				0.9397	
						RPD = 1.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.020	7.013	0.007	36995196H	1.00	0.9584	
1	7.534	7.527	0.007	55727630H	1.00	0.99	
1	8.092	8.084	0.008	49509271H	1.00	1.07	
1	9.337	9.331	0.006	80604680H	1.00	0.9156	
1	9.805	9.801	0.004	46901611H	1.00	0.9609	
		Average of Peak Amounts =				0.9791	
2	8.862	8.856	0.006	32040669H	1.00	0.9272	
2	9.244	9.238	0.006	41115268H	1.00	0.9209	
2	9.862	9.856	0.006	43090005H	1.00	1.02	
2	10.858	10.854	0.004	74424493H	1.00	0.8937	
2	11.392	11.387	0.005	41911062H	1.00	0.9243	
		Average of Peak Amounts =				0.9374	
						RPD = 4.35	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.453	11.450	0.003	16939651H	0.0200	0.0197	
2	12.947	12.943	0.004	12899694H	0.0200	0.0181	
						RPD = 8.23	

Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 04-May-2016 12:38:20 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504024.D

Injection Date: 04-May-2016 12:16:44 Instrument ID: CHGC10

Lims ID: LCS 180-175171/2-A

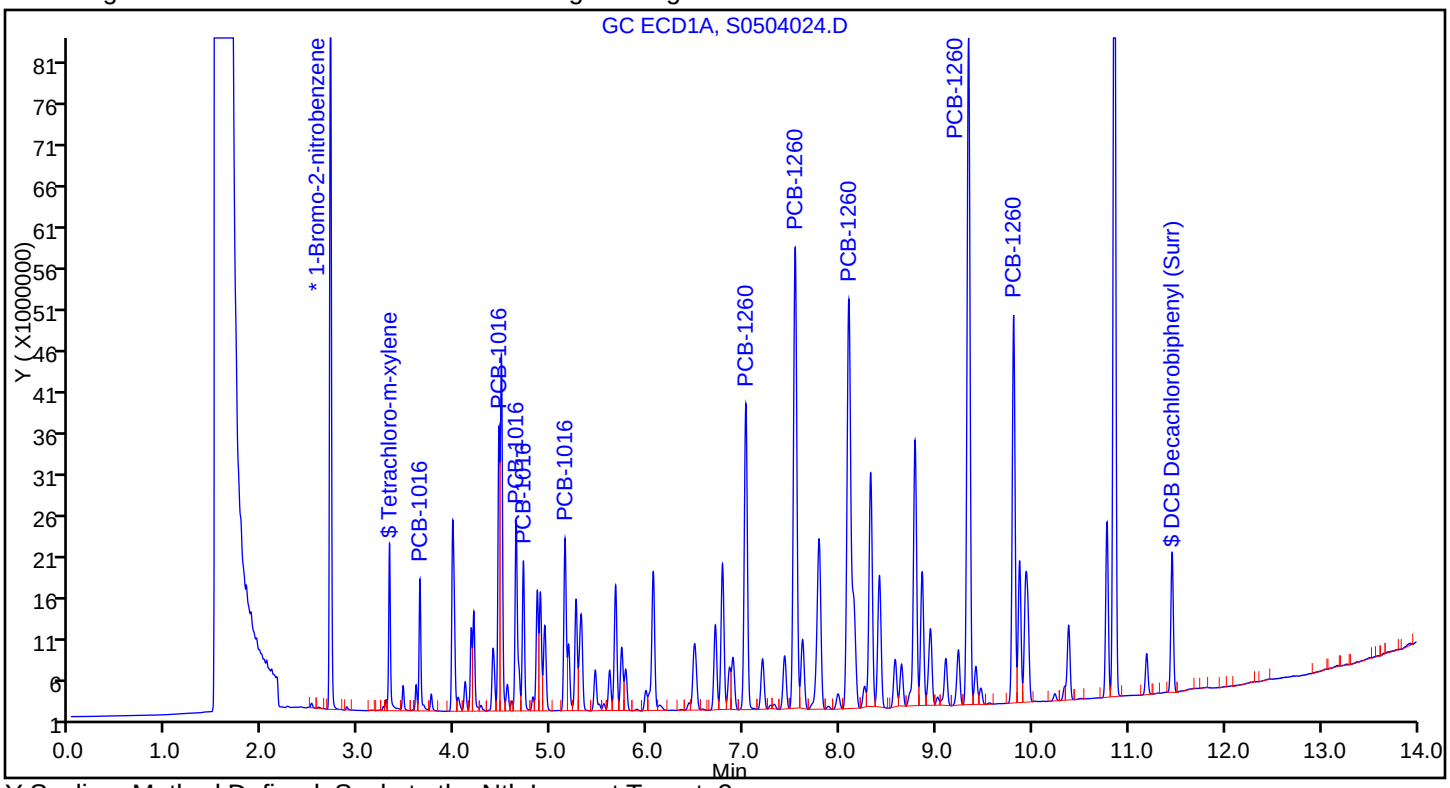
Client ID:

Operator ID: 402331 ALS Bottle#: 24 Worklist Smp#: 24

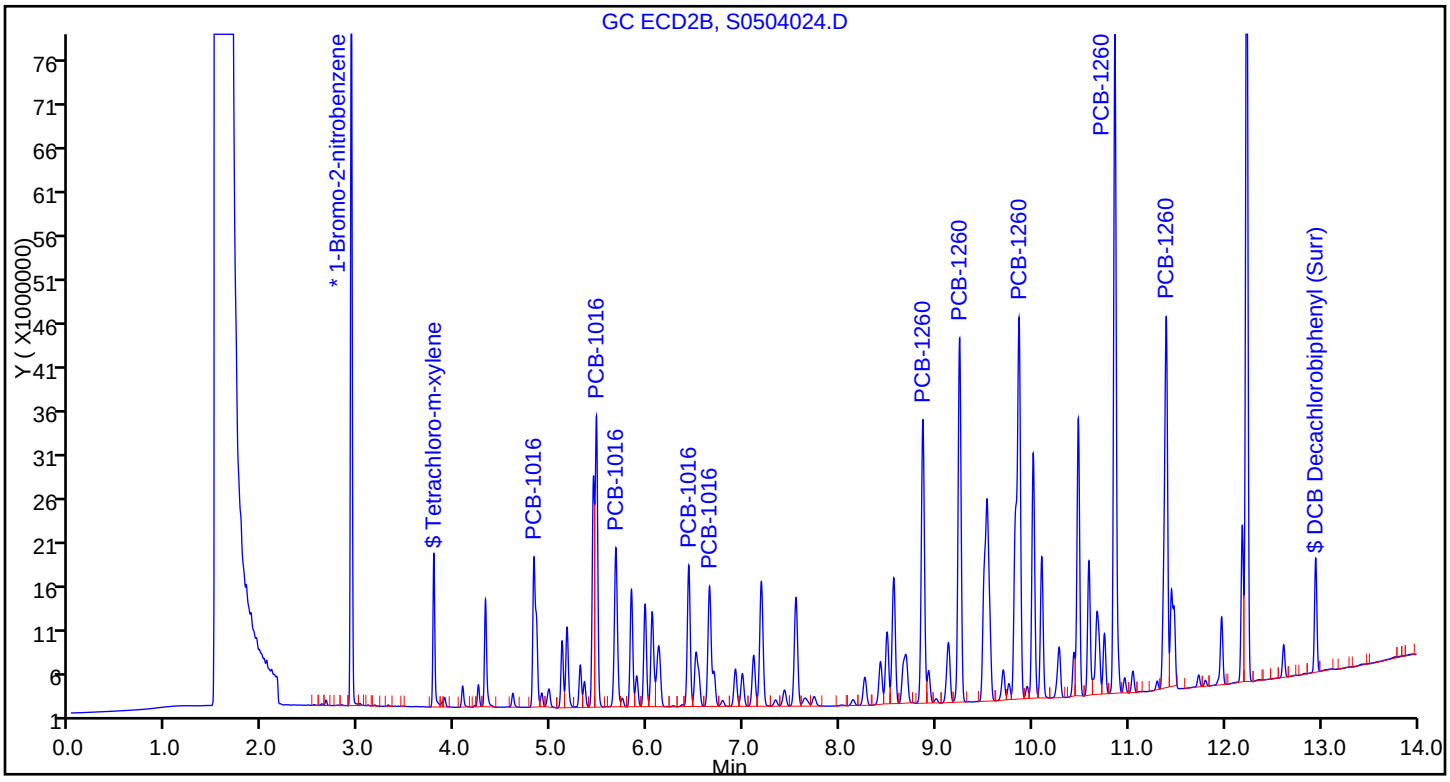
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-175171/2-A

Matrix: Water Lab File ID: S0504024.D

Analysis Method: 8082A Date Collected:

Extraction Method: 3510C Date Extracted: 05/03/2016 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 05/04/2016 12:16

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 175185 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	91		43-138
877-09-8	Tetrachloro-m-xylene	94		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504024.D
Lims ID: LCS 180-175171/2-A
Client ID:
Sample Type: LCS
Inject. Date: 04-May-2016 12:16:44 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011678-024
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 04-May-2016 12:35:44 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK024

First Level Reviewer: oravecj Date: 04-May-2016 12:36:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.701	2.693	0.007	86337543H	0.1000	0.1000	
2	2.917	2.910	0.007	84210712H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.314	3.307	0.007	20216258H	0.0200	0.0195	
2	3.776	3.768	0.008	17369296H	0.0200	0.0189	
						RPD = 3.32	
6 PCB-1016							
1	3.631	3.623	0.008	15928653H	1.00	0.9442	
1	4.453	4.447	0.006	34452548H	1.00	0.9837	
1	4.631	4.624	0.007	23018655H	1.00	0.9150	
1	4.707	4.700	0.007	18096758H	1.00	0.9789	
1	5.140	5.132	0.008	20842851H	1.00	0.9651	
		Average of Peak Amounts =				0.9574	
2	4.817	4.810	0.007	16989978H	1.00	0.9102	
2	5.467	5.458	0.009	32912476H	1.00	0.9729	
2	5.668	5.662	0.006	17970602H	1.00	0.9327	
2	6.427	6.420	0.007	15928057H	1.00	0.9339	
2	6.642	6.635	0.007	13582435H	1.00	0.9487	
		Average of Peak Amounts =				0.9397	
						RPD = 1.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.020	7.013	0.007	36995196H	1.00	0.9584	
1	7.534	7.527	0.007	55727630H	1.00	0.99	
1	8.092	8.084	0.008	49509271H	1.00	1.07	
1	9.337	9.331	0.006	80604680H	1.00	0.9156	
1	9.805	9.801	0.004	46901611H	1.00	0.9609	
		Average of Peak Amounts =				0.9791	
2	8.862	8.856	0.006	32040669H	1.00	0.9272	
2	9.244	9.238	0.006	41115268H	1.00	0.9209	
2	9.862	9.856	0.006	43090005H	1.00	1.02	
2	10.858	10.854	0.004	74424493H	1.00	0.8937	
2	11.392	11.387	0.005	41911062H	1.00	0.9243	
		Average of Peak Amounts =				0.9374	
						RPD = 4.35	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.453	11.450	0.003	16939651H	0.0200	0.0197	
2	12.947	12.943	0.004	12899694H	0.0200	0.0181	
						RPD = 8.23	

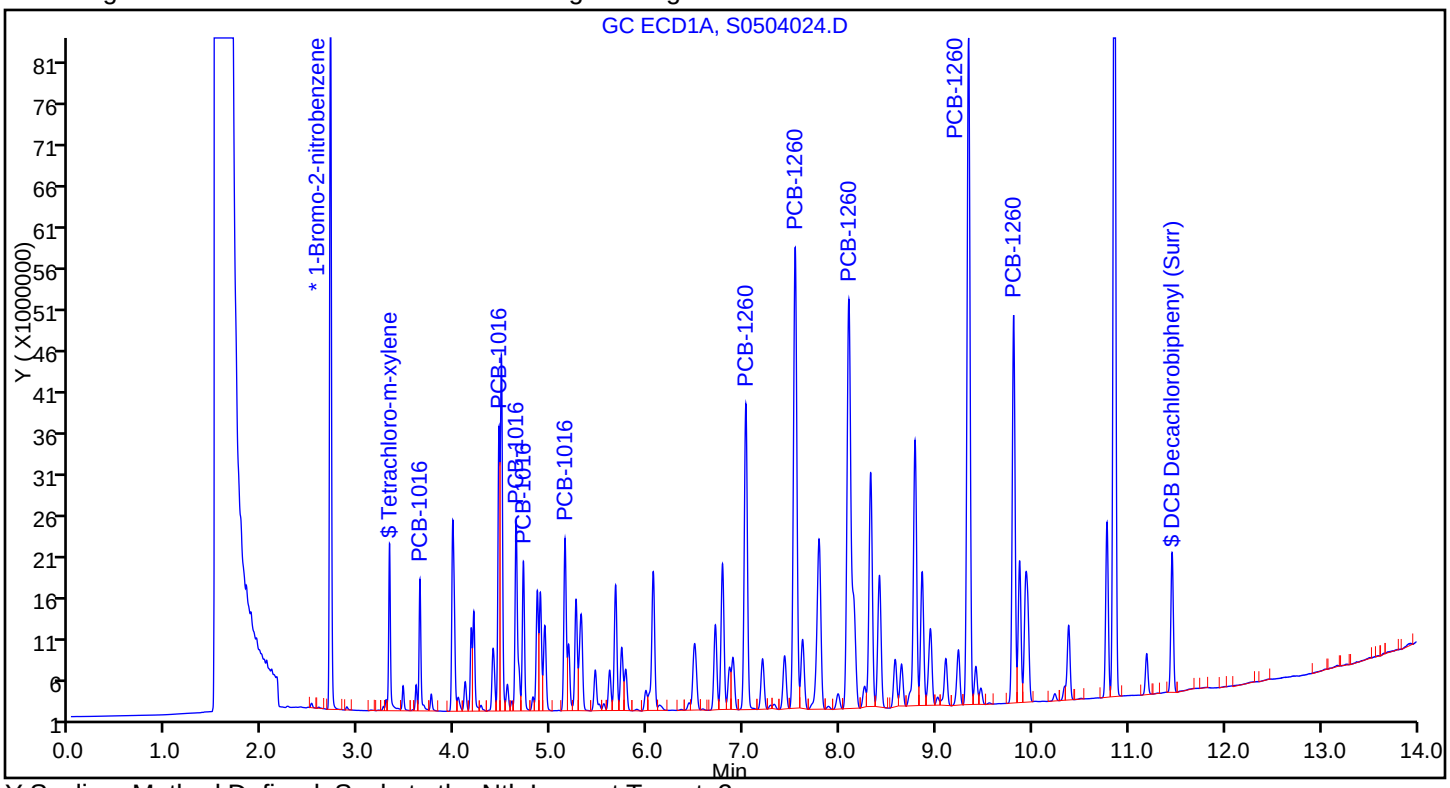
Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

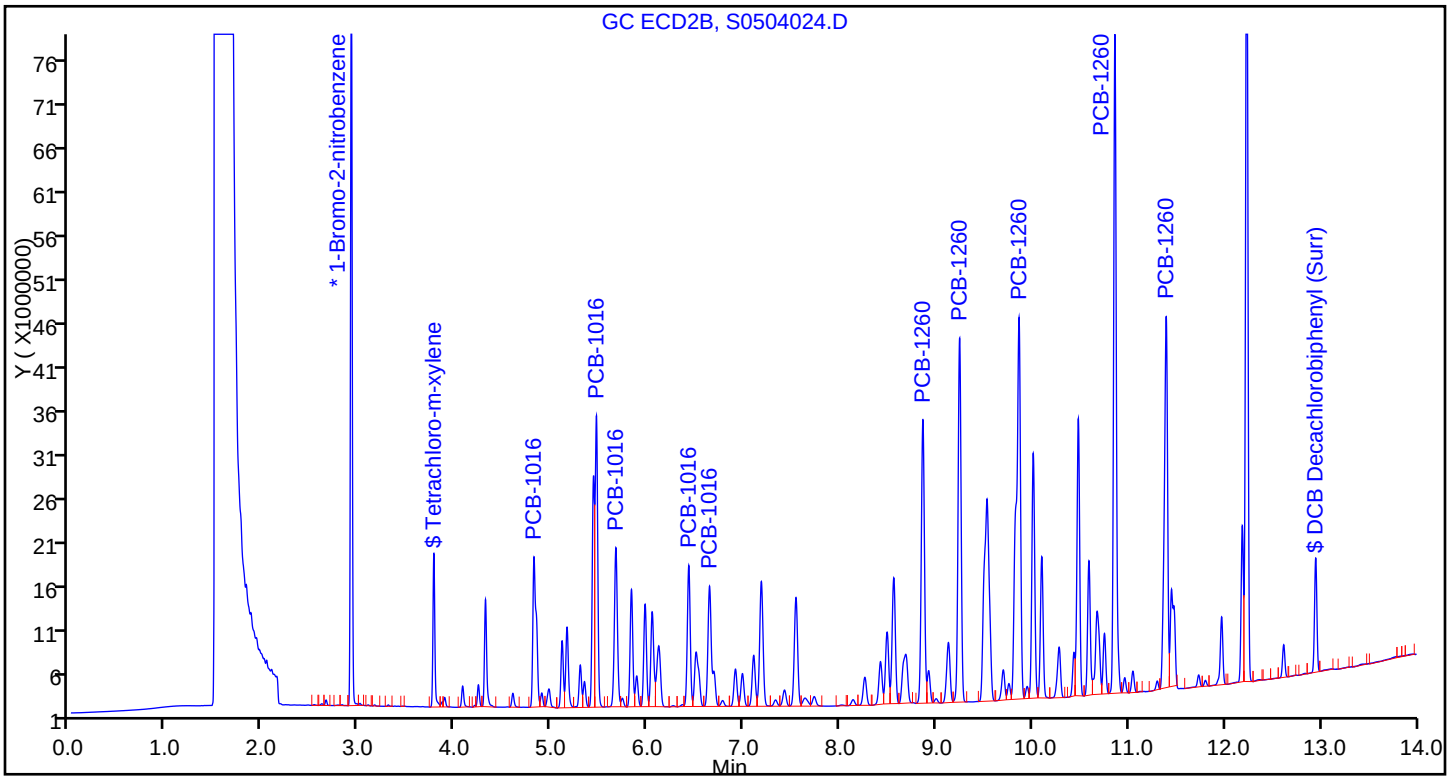
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160504-11678.b\S0504024.D				
Injection Date:	04-May-2016 12:16:44	Instrument ID:	CHGC10		
Lims ID:	LCS 180-175171/2-A				
Client ID:					
Operator ID:	402331	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-39R-042816 MS | Lab Sample ID: 180-54291-5 MS

Matrix: Water | Lab File ID: S0502032.D

Analysis Method: 8082A | Date Collected: 04/28/2016 13:50

Extraction Method: 3510C | Date Extracted: 04/30/2016 08:35

Sample wt/vol: 950(mL) | Date Analyzed: 05/02/2016 17:21

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.864		0.011	0.0039
11104-28-2	Arochlor 1221	0.0062	U	0.011	0.0062
11141-16-5	Arochlor 1232	0.0064	U	0.011	0.0064
53469-21-9	Arochlor 1242	0.0035	U	0.011	0.0035
12672-29-6	Arochlor 1248	0.0034	U	0.011	0.0034
11097-69-1	Arochlor 1254	0.0047	U	0.011	0.0047
11096-82-5	Arochlor 1260	0.837		0.011	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	91		43-138
877-09-8	Tetrachloro-m-xylene	104		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D
Lims ID: 180-54291-A-5-B MS
Client ID: CE-MW-39R-042816
Sample Type: MS
Inject. Date: 02-May-2016 17:21:36 ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-032
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:50:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.698	2.700	-0.002	114916590H	0.1000	0.1000	
2	2.915	2.916	-0.002	113952258H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.313	3.314	-0.001	28732040H	0.0200	0.0208	
2	3.774	3.775	-0.001	24955080H	0.0200	0.0200	
						RPD = 3.89	
3 PCB-1221							U
1		3.450				ND	
1		3.585					
1		3.624					
2		4.068					
2		4.232					
2		4.305					
4 PCB-1232							U
1		3.452				ND	
1		3.626					
1		4.474					
1		4.627					
1		6.059					
2		4.071					
2		4.307					
2		4.812					
2		5.462					
2		5.664					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
5 PCB-1242							U
1		3.627				ND	
1		3.969					
1		4.475					
1		5.138					
1		5.770					
2		4.309					
2		4.813					
2		5.462					
2		5.664					
2		6.424					
6 PCB-1016							
1	3.630	3.630	0.000	19298862H	1.00	0.8595	
1	4.453	4.455	-0.002	38971504H	1.00	0.8360	
1	4.631	4.633	-0.002	28632764H	1.00	0.8551	
1	4.705	4.708	-0.003	17799766H	1.00	0.7234	
1	5.140	5.142	-0.002	23908724H	1.00	0.8317	
		Average of Peak Amounts =				0.8211	
2	4.816	4.818	-0.002	21719363H	1.00	0.8599	
2	5.466	5.467	-0.001	38514320H	1.00	0.8414	
2	5.668	5.670	-0.002	21603498H	1.00	0.8286	
2	6.426	6.429	-0.003	18421006H	1.00	0.7982	
2	6.643	6.645	-0.002	15592905H	1.00	0.8049	
		Average of Peak Amounts =				0.8266	
						RPD = 0.66	
7 PCB-1248							U
1		3.970				ND	
1		5.138					
1		5.728					
1		6.066					
1		6.705					
2		5.971					
2		6.426					
2		7.100					
2		7.187					
2		7.632					
8 PCB-1254							U
1		5.660				ND	
1		6.052					
1		6.699					
1		7.187					
1		8.087					
2		7.174					
2		7.535					
2		8.482					
2		8.915					
2		9.857					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.022	7.023	-0.001	39952192H	1.00	0.7776	
1	7.535	7.537	-0.002	60414283H	1.00	0.8084	
1	8.092	8.095	-0.003	54747305H	1.00	0.8875	
1	9.336	9.340	-0.004	85890164H	1.00	0.7330	
1	9.806	9.809	-0.003	50117068H	1.00	0.7714	
		Average of Peak Amounts =				0.7956	
2	8.861	8.865	-0.004	35511399H	1.00	0.7595	
2	9.244	9.246	-0.002	44851678H	1.00	0.7424	
2	9.861	9.863	-0.002	50311766H	1.00	0.8809	
2	10.859	10.861	-0.002	82087516H	1.00	0.7285	
2	11.391	11.394	-0.003	47147811H	1.00	0.7684	
		Average of Peak Amounts =				0.7759	
						RPD = 2.50	
10 PCB-1262							U
1		7.530				ND	
1		8.317					
1		9.335					
1		9.802					
1		9.866					
2		9.240					
2		10.007					
2		10.857					
2		11.382					
2		11.966					
11 PCB-1268							U
1		9.866				ND	
1		9.929					
1		10.233					
1		11.188					
2		11.378					
2		11.444					
2		11.797					
2		12.611					
* 46 PCB-205 (IS)							
1	10.854	10.853	0.001	136533725H		0	
2	12.229	12.228	0.001	117025451H		0	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.452	11.455	-0.003	20915002H	0.0200	0.0182	
2	12.945	12.948	-0.003	16229362H	0.0200	0.0168	
						RPD = 8.00	
13 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 3							
1		0.000				ND	
2		0.000					
15 1260 Res 1							
1		0.000				ND	
2		0.000					

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

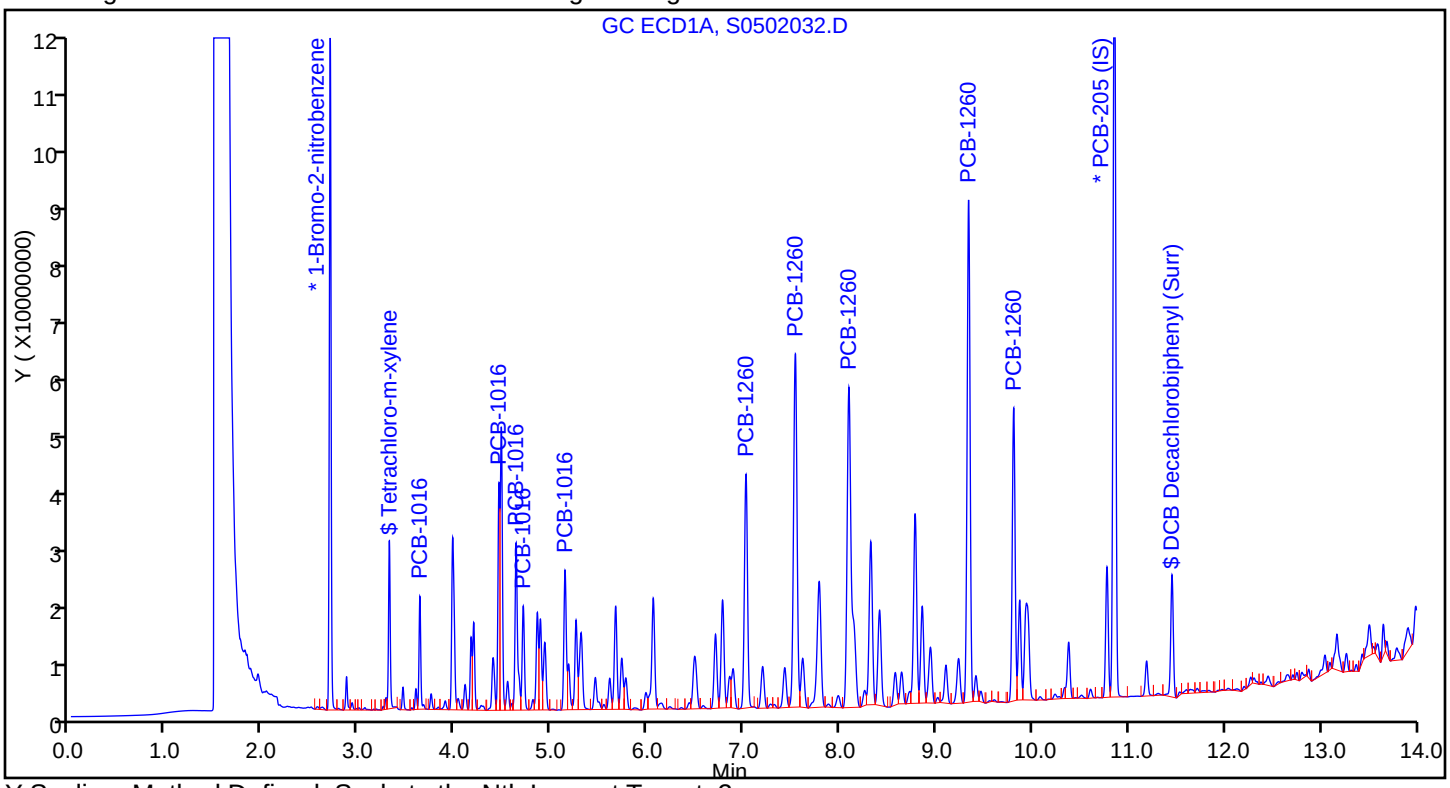
Report Date: 03-May-2016 09:57:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

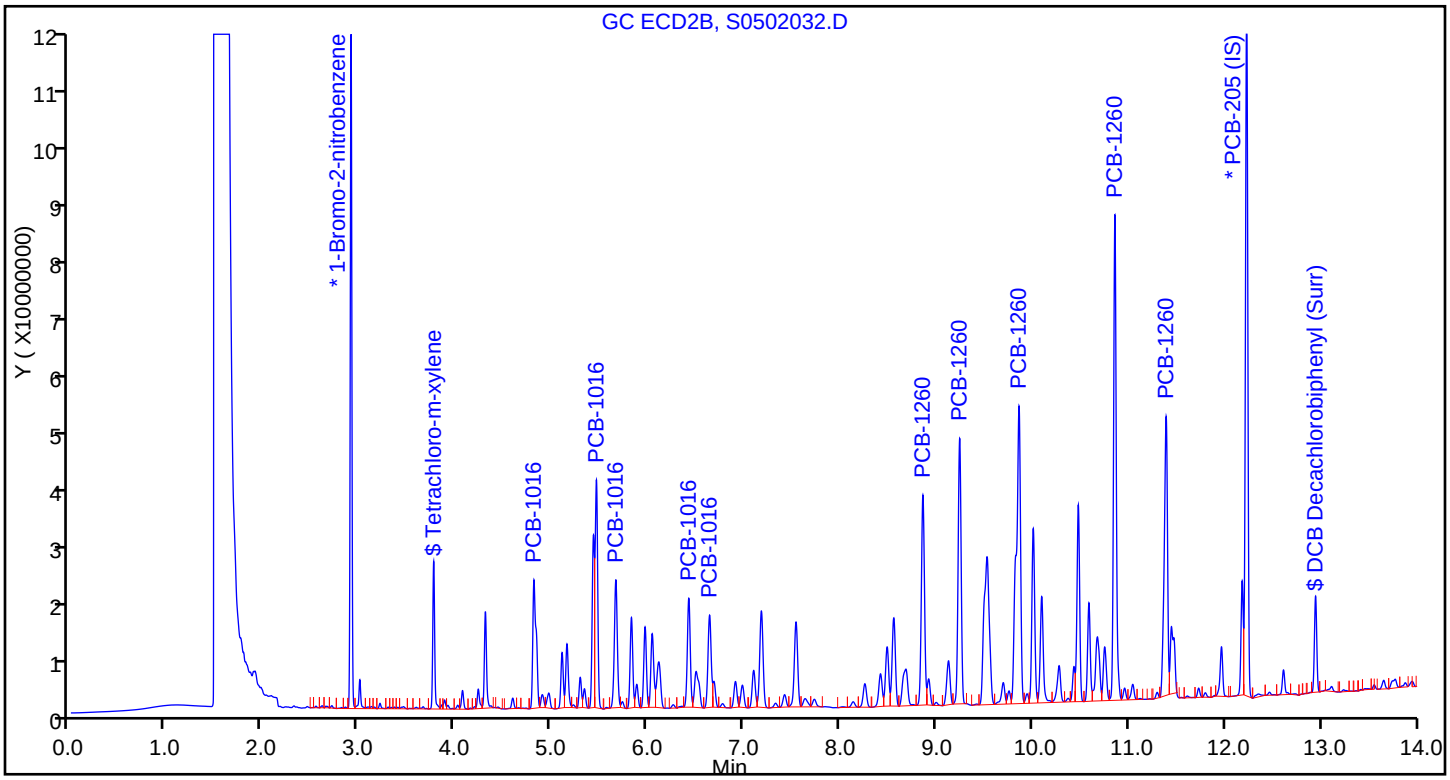
Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D

Injection Date:	02-May-2016 17:21:36	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-B MS				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

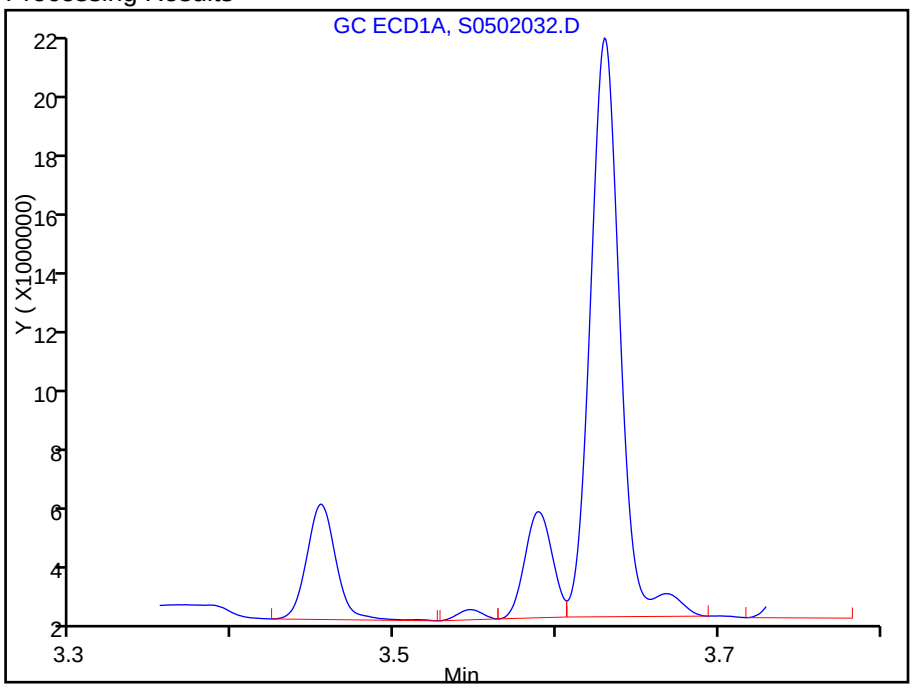
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D				
Injection Date:	02-May-2016 17:21:36	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-B MS				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.45	3847764	0.301178
3.58	3.59	3539015	0.428755
3.62	3.63	19298862	0.670791
		Average =	0.482584



Reviewer: oravecj, 03-May-2016 09:50:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

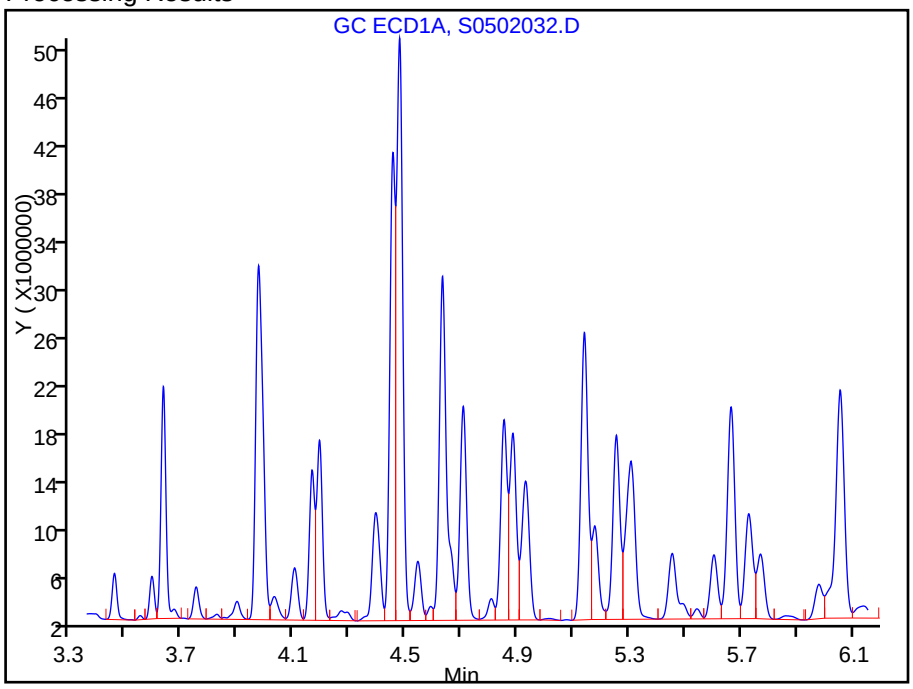
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D				
Injection Date:	02-May-2016 17:21:36	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-B MS				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.45	3847764	0.380666
3.63	3.63	19298862	0.700764
4.47	4.48	48477613	1.692015
4.63	4.63	28632764	1.682334
6.06	6.06	18983209	1.255807
		Average =	1.187521



Reviewer: oravecj, 03-May-2016 09:50:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

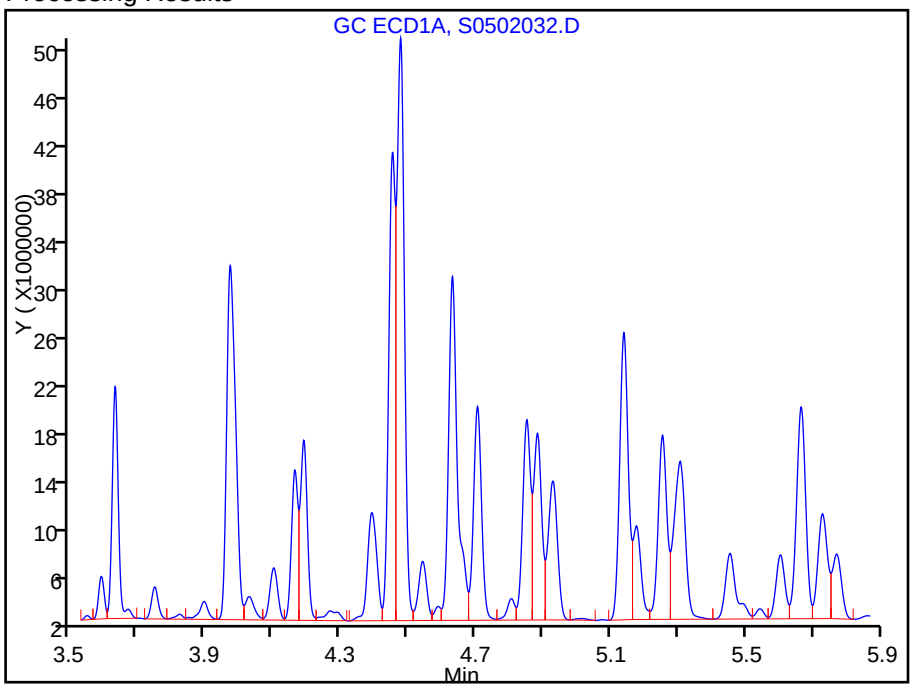
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D				
Injection Date:	02-May-2016 17:21:36	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-B MS				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.63	19298862	1.069086
3.97	3.97	29462362	1.117027
4.48	4.48	48477613	1.038298
5.14	5.14	23908724	1.006331
5.77	5.77	5382849	0.216537
		Average =	0.965804



Reviewer: oravecj, 03-May-2016 09:50:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

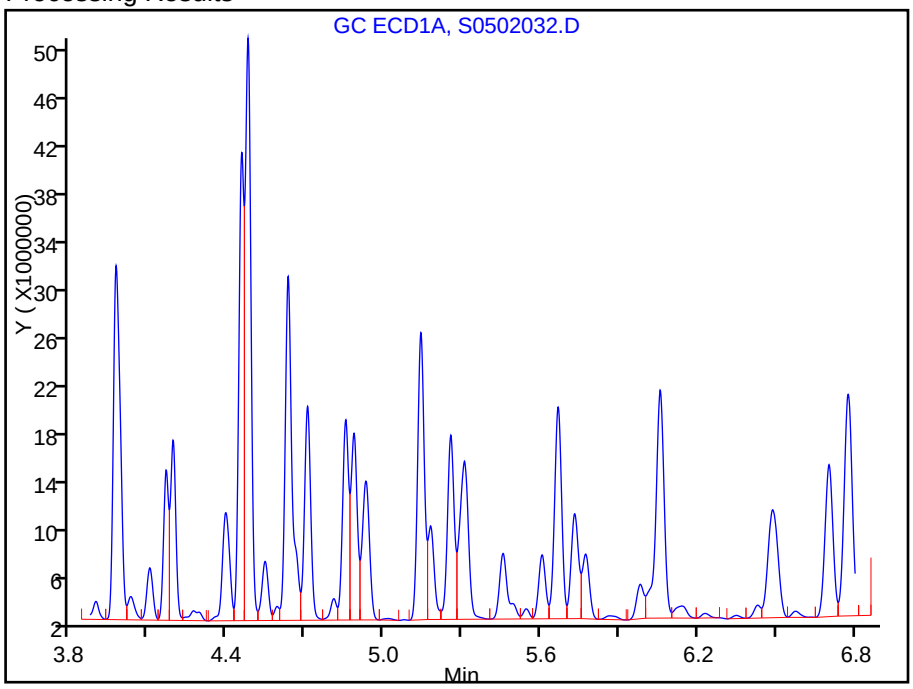
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D				
Injection Date:	02-May-2016 17:21:36	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-B MS				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.97	3.97	29462362	1.872260
5.14	5.14	23908724	0.648309
5.73	5.73	8727320	0.202723
6.07	6.06	18983209	0.657988
6.70	6.70	12652999	0.593147
		Average =	0.586569



Reviewer: oravecj, 03-May-2016 09:50:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

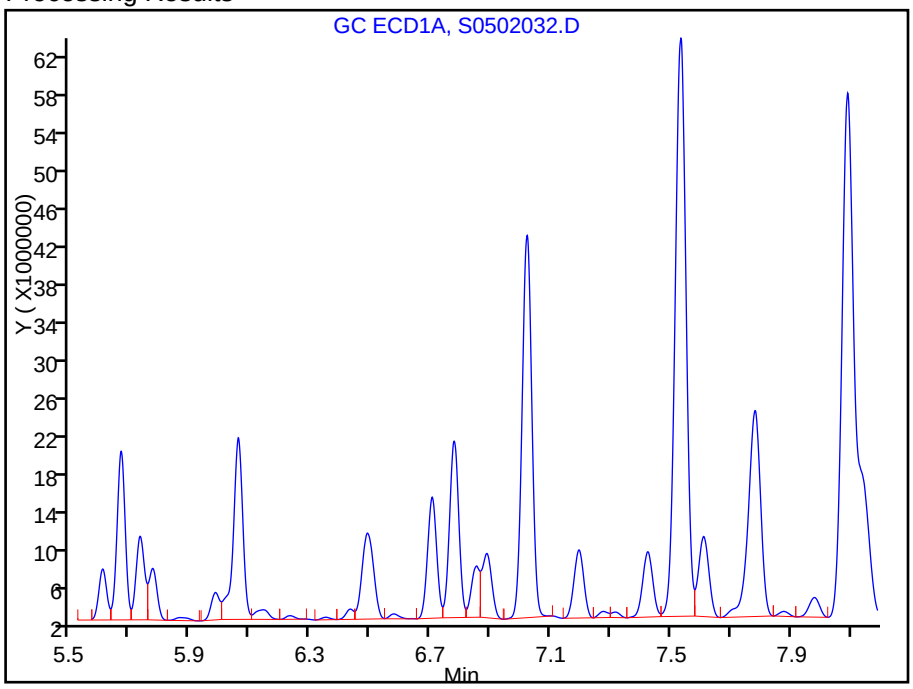
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D				
Injection Date:	02-May-2016 17:21:36	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-B MS				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
5.66	5.67	17623074	0.477332
6.05	6.06	18983209	0.377100
6.70	6.70	12652999	0.179625
7.19	7.19	7112941	0.135026
8.09	8.09	54747305	1.036403
	Average =		0.427277



Reviewer: oravecj, 03-May-2016 09:50:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-39R-042816 MS Lab Sample ID: 180-54291-5 MS

Matrix: Water Lab File ID: S0502032.D

Analysis Method: 8082A Date Collected: 04/28/2016 13:50

Extraction Method: 3510C Date Extracted: 04/30/2016 08:35

Sample wt/vol: 950(mL) Date Analyzed: 05/02/2016 17:21

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	84		43-138
877-09-8	Tetrachloro-m-xylene	100		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D
Lims ID: 180-54291-A-5-B MS
Client ID: CE-MW-39R-042816
Sample Type: MS
Inject. Date: 02-May-2016 17:21:36 ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-032
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:50:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.698	2.700	-0.002	114916590H	0.1000	0.1000	
2	2.915	2.916	-0.002	113952258H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.313	3.314	-0.001	28732040H	0.0200	0.0208	
2	3.774	3.775	-0.001	24955080H	0.0200	0.0200	
						RPD = 3.89	
3 PCB-1221							U
1		3.450				ND	
1		3.585					
1		3.624					
2		4.068					
2		4.232					
2		4.305					
4 PCB-1232							U
1		3.452				ND	
1		3.626					
1		4.474					
1		4.627					
1		6.059					
2		4.071					
2		4.307					
2		4.812					
2		5.462					
2		5.664					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
5 PCB-1242							U
1		3.627				ND	
1		3.969					
1		4.475					
1		5.138					
1		5.770					
2		4.309					
2		4.813					
2		5.462					
2		5.664					
2		6.424					
6 PCB-1016							
1	3.630	3.630	0.000	19298862H	1.00	0.8595	
1	4.453	4.455	-0.002	38971504H	1.00	0.8360	
1	4.631	4.633	-0.002	28632764H	1.00	0.8551	
1	4.705	4.708	-0.003	17799766H	1.00	0.7234	
1	5.140	5.142	-0.002	23908724H	1.00	0.8317	
		Average of Peak Amounts =				0.8211	
2	4.816	4.818	-0.002	21719363H	1.00	0.8599	
2	5.466	5.467	-0.001	38514320H	1.00	0.8414	
2	5.668	5.670	-0.002	21603498H	1.00	0.8286	
2	6.426	6.429	-0.003	18421006H	1.00	0.7982	
2	6.643	6.645	-0.002	15592905H	1.00	0.8049	
		Average of Peak Amounts =				0.8266	
						RPD = 0.66	
7 PCB-1248							U
1		3.970				ND	
1		5.138					
1		5.728					
1		6.066					
1		6.705					
2		5.971					
2		6.426					
2		7.100					
2		7.187					
2		7.632					
8 PCB-1254							U
1		5.660				ND	
1		6.052					
1		6.699					
1		7.187					
1		8.087					
2		7.174					
2		7.535					
2		8.482					
2		8.915					
2		9.857					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.022	7.023	-0.001	39952192H	1.00	0.7776	
1	7.535	7.537	-0.002	60414283H	1.00	0.8084	
1	8.092	8.095	-0.003	54747305H	1.00	0.8875	
1	9.336	9.340	-0.004	85890164H	1.00	0.7330	
1	9.806	9.809	-0.003	50117068H	1.00	0.7714	
		Average of Peak Amounts =				0.7956	
2	8.861	8.865	-0.004	35511399H	1.00	0.7595	
2	9.244	9.246	-0.002	44851678H	1.00	0.7424	
2	9.861	9.863	-0.002	50311766H	1.00	0.8809	
2	10.859	10.861	-0.002	82087516H	1.00	0.7285	
2	11.391	11.394	-0.003	47147811H	1.00	0.7684	
		Average of Peak Amounts =				0.7759	
						RPD = 2.50	
10 PCB-1262							U
1		7.530				ND	
1		8.317					
1		9.335					
1		9.802					
1		9.866					
2		9.240					
2		10.007					
2		10.857					
2		11.382					
2		11.966					
11 PCB-1268							U
1		9.866				ND	
1		9.929					
1		10.233					
1		11.188					
2		11.378					
2		11.444					
2		11.797					
2		12.611					
* 46 PCB-205 (IS)							
1	10.854	10.853	0.001	136533725H		0	
2	12.229	12.228	0.001	117025451H		0	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.452	11.455	-0.003	20915002H	0.0200	0.0182	
2	12.945	12.948	-0.003	16229362H	0.0200	0.0168	
						RPD = 8.00	
13 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 3							
1		0.000				ND	
2		0.000					
15 1260 Res 1							
1		0.000				ND	
2		0.000					

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

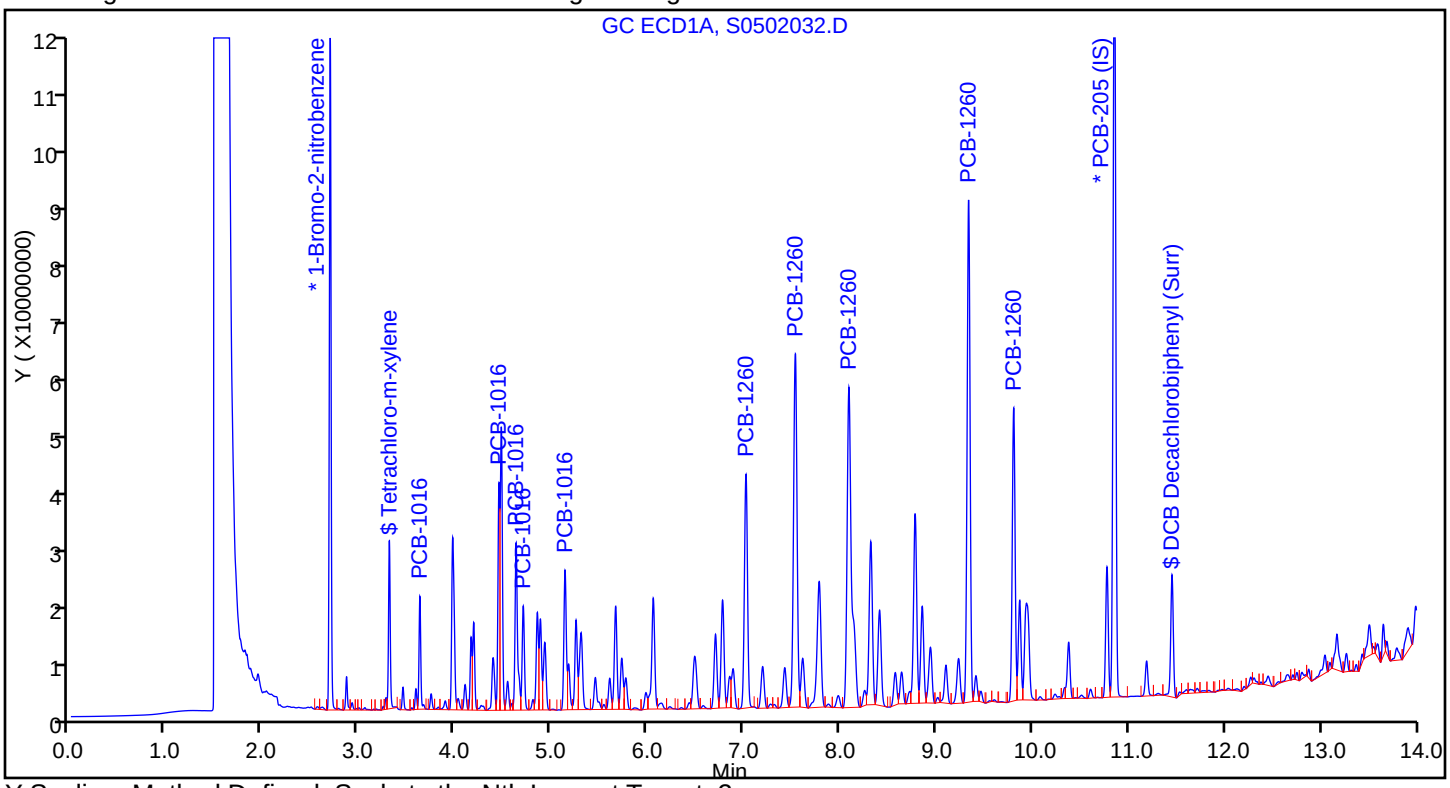
Report Date: 03-May-2016 09:57:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

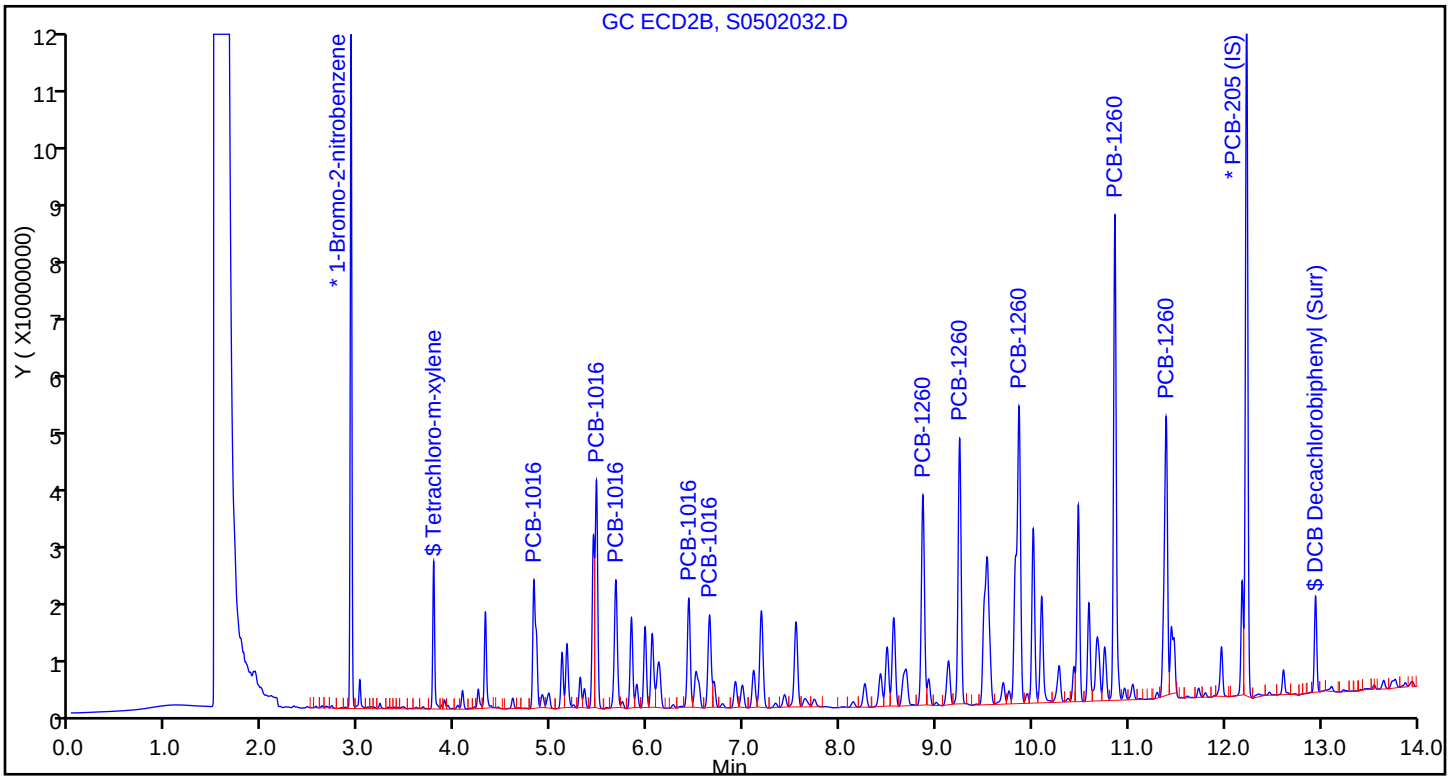
Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D

Injection Date:	02-May-2016 17:21:36	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-B MS				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

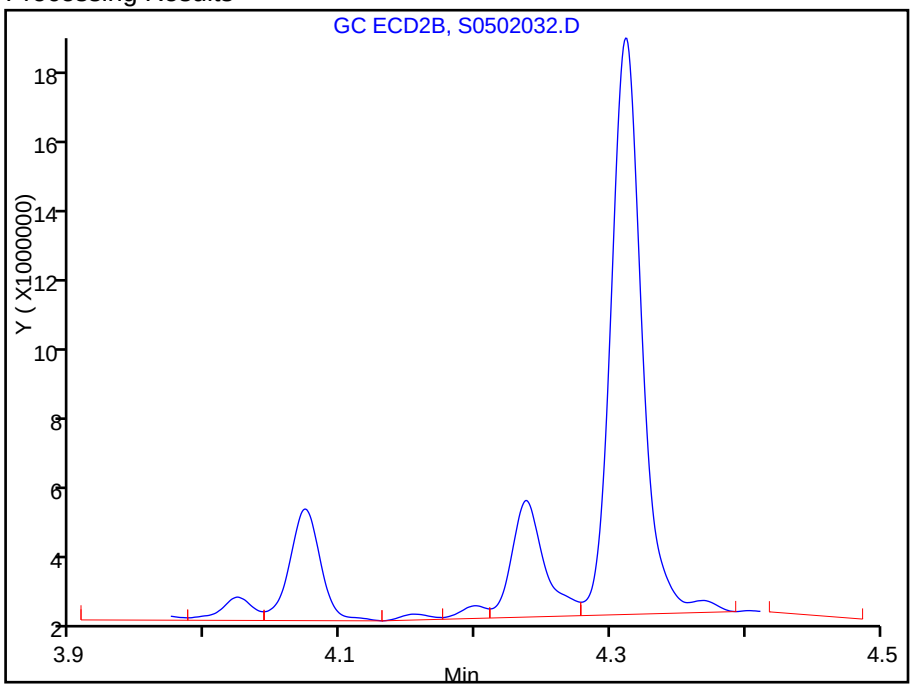
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D				
Injection Date:	02-May-2016 17:21:36	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-B MS				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.07	3146995	0.294285
4.23	4.24	3287622	0.464145
4.30	4.31	16260811	0.736353
		Average =	0.482584



Reviewer: oravecj, 03-May-2016 09:50:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

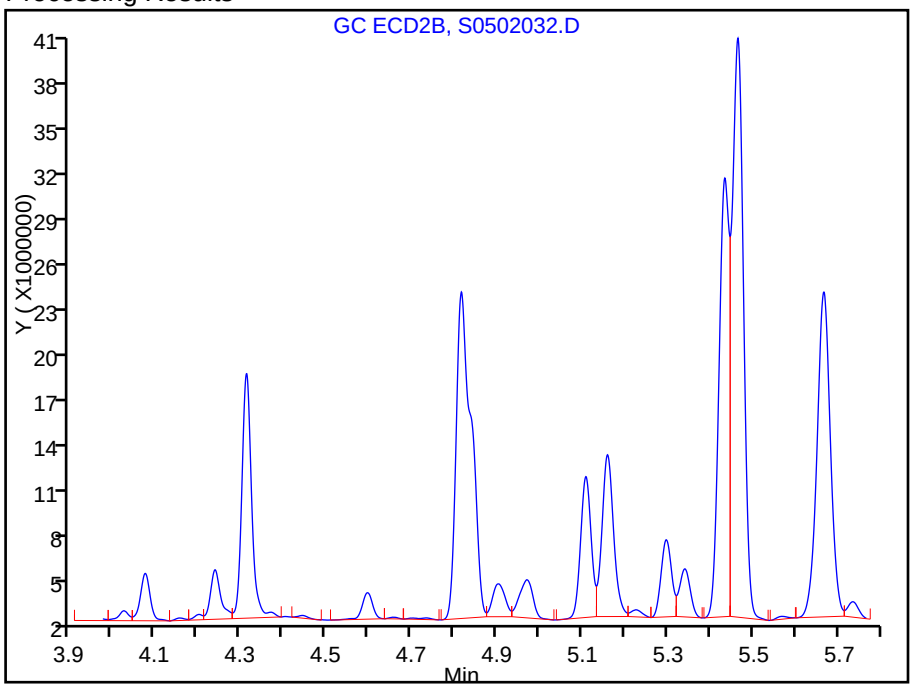
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D				
Injection Date:	02-May-2016 17:21:36	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-B MS				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.07	3146995	0.373058
4.31	4.31	16260811	0.753797
4.81	4.82	21719363	1.690652
5.46	5.47	38514320	1.692250
5.66	5.67	21603498	1.653870
		Average =	1.187521



Reviewer: oravecj, 03-May-2016 09:50:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

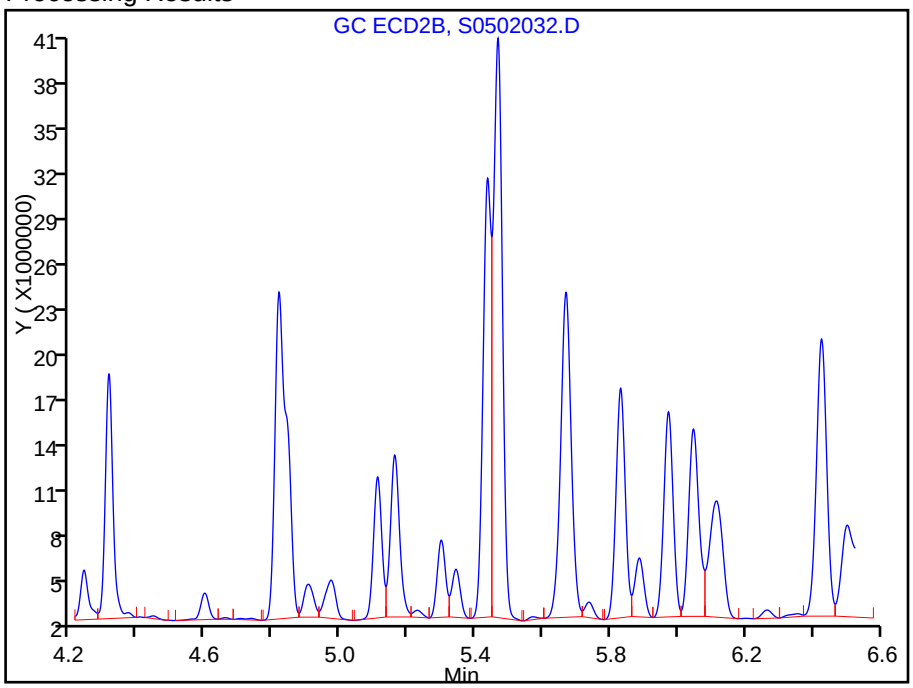
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D				
Injection Date:	02-May-2016 17:21:36	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-B MS				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.31	4.31	16260811	1.115021
4.81	4.82	21719363	1.074300
5.46	5.47	38514320	1.035210
5.66	5.67	21603498	1.026241
6.42	6.43	18421006	0.959988
		Average =	0.965804



Reviewer: oravecj, 03-May-2016 09:50:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

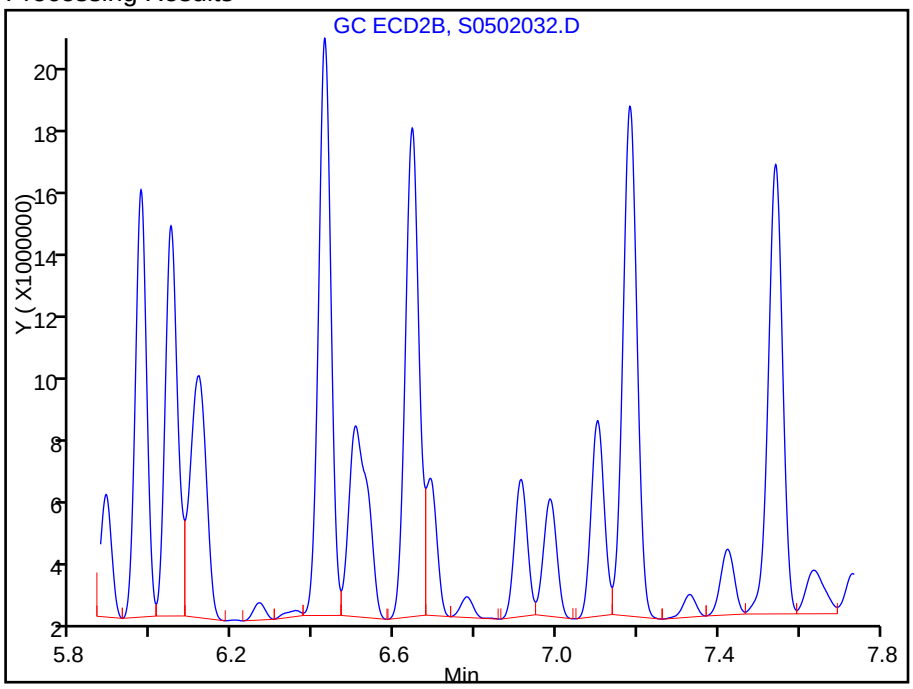
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D				
Injection Date:	02-May-2016 17:21:36	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-B MS				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
5.97	5.97	13635951	0.570833
6.43	6.43	18421006	0.615424
7.10	7.10	6242295	0.185032
7.19	7.18	16269546	0.466684
7.63	7.64	1391025	0.053292
		Average =	0.586569



Reviewer: oravecj, 03-May-2016 09:50:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

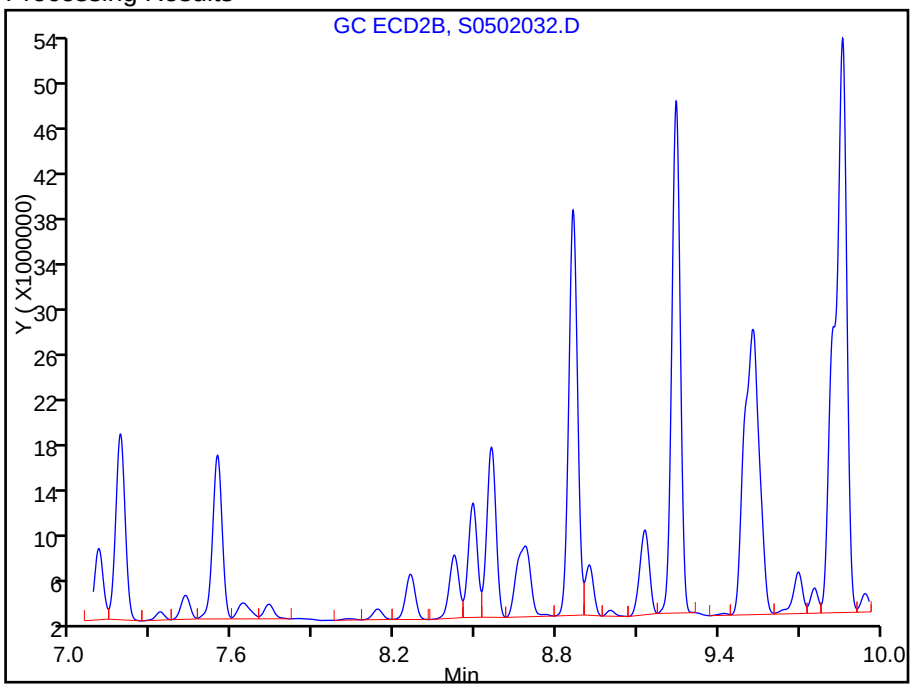
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502032.D				
Injection Date:	02-May-2016 17:21:36	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-B MS				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
7.17	7.18	16269546	0.493511
7.53	7.54	14341717	0.378257
8.48	8.49	9999485	0.167123
8.91	8.92	4411695	0.096444
9.86	9.86	50311766	0.931951
		Average =	0.427277



Reviewer: oravecj, 03-May-2016 09:50:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-39R-042816 MSD | Lab Sample ID: 180-54291-5 MSD

Matrix: Water | Lab File ID: S0502033.D

Analysis Method: 8082A | Date Collected: 04/28/2016 13:50

Extraction Method: 3510C | Date Extracted: 04/30/2016 08:35

Sample wt/vol: 950(mL) | Date Analyzed: 05/02/2016 17:40

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLP1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Arochlor 1016	0.866		0.011	0.0039
11104-28-2	Arochlor 1221	0.0062	U	0.011	0.0062
11141-16-5	Arochlor 1232	0.0064	U	0.011	0.0064
53469-21-9	Arochlor 1242	0.0035	U	0.011	0.0035
12672-29-6	Arochlor 1248	0.0034	U	0.011	0.0034
11097-69-1	Arochlor 1254	0.0047	U	0.011	0.0047
11096-82-5	Arochlor 1260	0.982		0.011	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	108		43-138
877-09-8	Tetrachloro-m-xylene	96		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D
Lims ID: 180-54291-A-5-C MSD
Client ID: CE-MW-39R-042816
Sample Type: MSD
Inject. Date: 02-May-2016 17:40:25 ALS Bottle#: 33 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-033
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:51:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.697	2.700	-0.003	99613749H	0.1000	0.1000	
2	2.914	2.916	-0.003	98534703H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.311	3.314	-0.003	22969827H	0.0200	0.0192	
2	3.773	3.775	-0.002	19842118H	0.0200	0.0184	
						RPD = 4.19	
3 PCB-1221							U
1		3.450				ND	
1		3.585					
1		3.624					
2		4.068					
2		4.232					
2		4.305					
4 PCB-1232							U
1		3.452				ND	
1		3.626					
1		4.474					
1		4.627					
1		6.059					
2		4.071					
2		4.307					
2		4.812					
2		5.462					
2		5.664					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
5 PCB-1242							U
1		3.627				ND	
1		3.969					
1		4.475					
1		5.138					
1		5.770					
2		4.309					
2		4.813					
2		5.462					
2		5.664					
2		6.424					
6 PCB-1016							
1	3.629	3.630	-0.001	15639160H	1.00	0.8035	
1	4.452	4.455	-0.003	34159538H	1.00	0.8454	
1	4.630	4.633	-0.003	24874813H	1.00	0.8570	
1	4.704	4.708	-0.004	15601103H	1.00	0.7314	
1	5.139	5.142	-0.003	21841922H	1.00	0.8766	
		Average of Peak Amounts =				0.8228	
2	4.815	4.818	-0.003	18519538H	1.00	0.8479	
2	5.465	5.467	-0.002	34197922H	1.00	0.8640	
2	5.667	5.670	-0.003	19321558H	1.00	0.8570	
2	6.426	6.429	-0.003	17177398H	1.00	0.8608	
2	6.642	6.645	-0.003	14650223H	1.00	0.8746	
		Average of Peak Amounts =				0.8608	
						RPD = 4.52	
7 PCB-1248							U
1		3.970				ND	
1		5.138					
1		5.728					
1		6.066					
1		6.705					
2		5.971					
2		6.426					
2		7.100					
2		7.187					
2		7.632					
8 PCB-1254							U
1		5.660				ND	
1		6.052					
1		6.699					
1		7.187					
1		8.087					
2		7.174					
2		7.535					
2		8.482					
2		8.915					
2		9.857					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.020	7.023	-0.003	40298979H	1.00	0.9048	
1	7.533	7.537	-0.004	62023440H	1.00	0.9574	
1	8.091	8.095	-0.004	55207090H	1.00	1.03	
1	9.337	9.340	-0.003	87520421H	1.00	0.8616	
1	9.805	9.809	-0.004	51193272H	1.00	0.9090	
		Average of Peak Amounts =				0.9331	
2	8.860	8.865	-0.005	34598223H	1.00	0.8557	
2	9.243	9.246	-0.003	46017310H	1.00	0.8809	
2	9.861	9.863	-0.002	49578031H	1.00	1.00	
2	10.858	10.861	-0.003	81364927H	1.00	0.8350	
2	11.391	11.394	-0.003	47800193H	1.00	0.9010	
		Average of Peak Amounts =				0.8953	
						RPD = 4.13	
10 PCB-1262							U
1		7.530				ND	
1		8.317					
1		9.335					
1		9.802					
1		9.866					
2		9.240					
2		10.007					
2		10.857					
2		11.382					
2		11.966					
11 PCB-1268							U
1		9.866				ND	
1		9.929					
1		10.233					
1		11.188					
2		11.378					
2		11.444					
2		11.797					
2		12.611					
* 46 PCB-205 (IS)							
1	10.853	10.853	0.000	133072113H		0	
2	12.229	12.228	0.001	113666806H		0	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.453	11.455	-0.002	21569247H	0.0200	0.0217	
2	12.945	12.948	-0.003	16496190H	0.0200	0.0198	
						RPD = 9.20	
13 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 3							
1		0.000				ND	
2		0.000					
15 1260 Res 1							
1		0.000				ND	
2		0.000					

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D

Injection Date: 02-May-2016 17:40:25 Instrument ID: CHGC10

Lims ID: 180-54291-A-5-C MSD

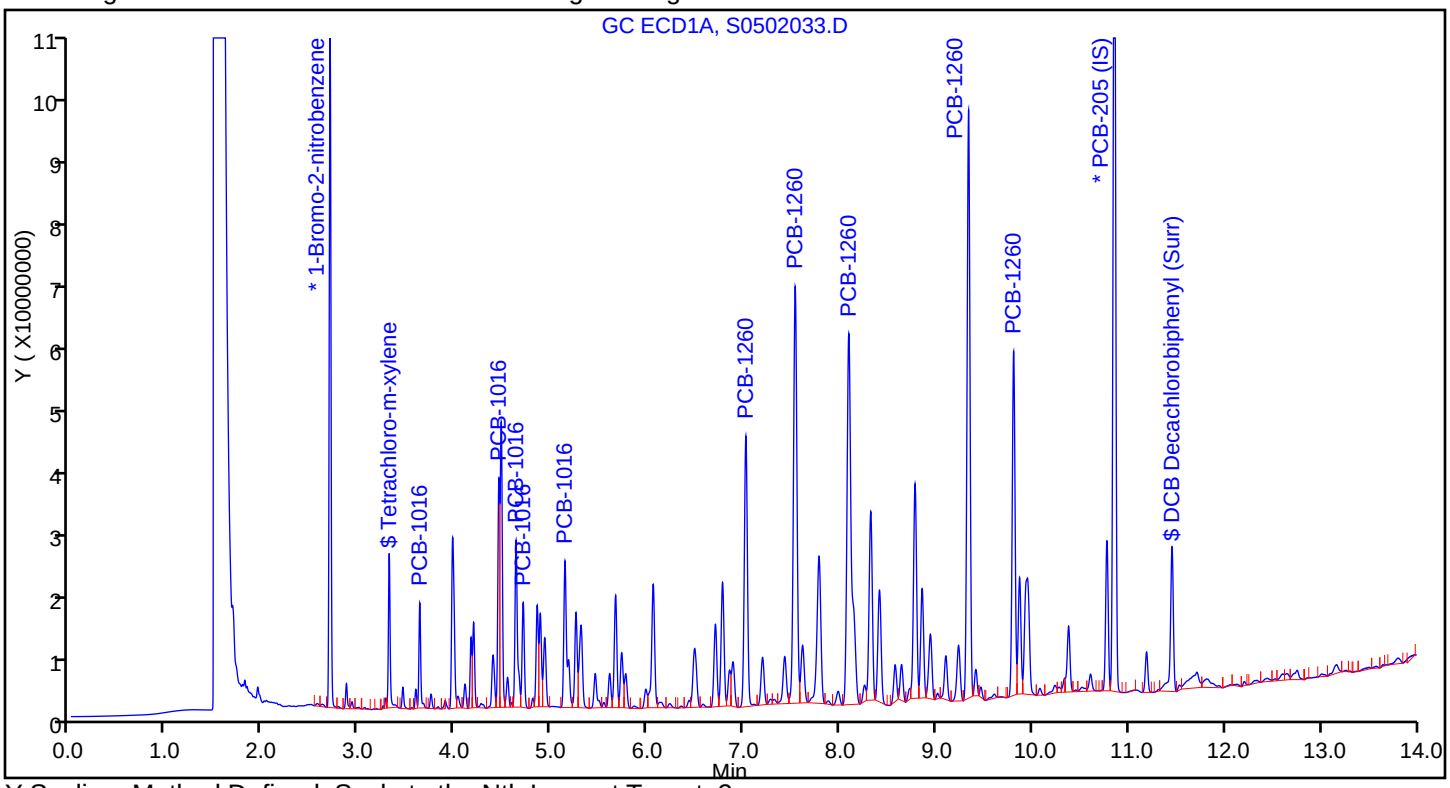
Client ID: CE-MW-39R-042816

Operator ID: 402331 ALS Bottle#: 33 Worklist Smp#: 33

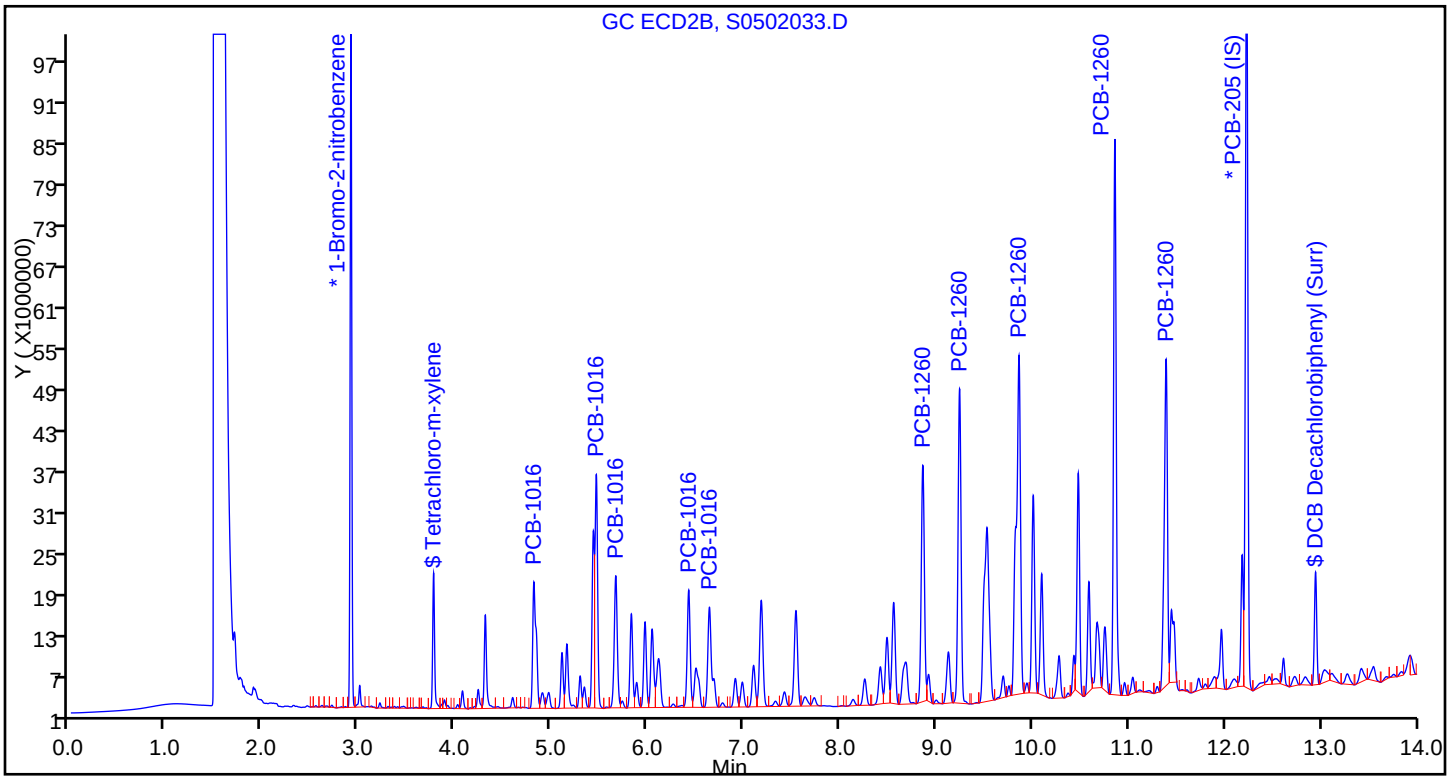
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

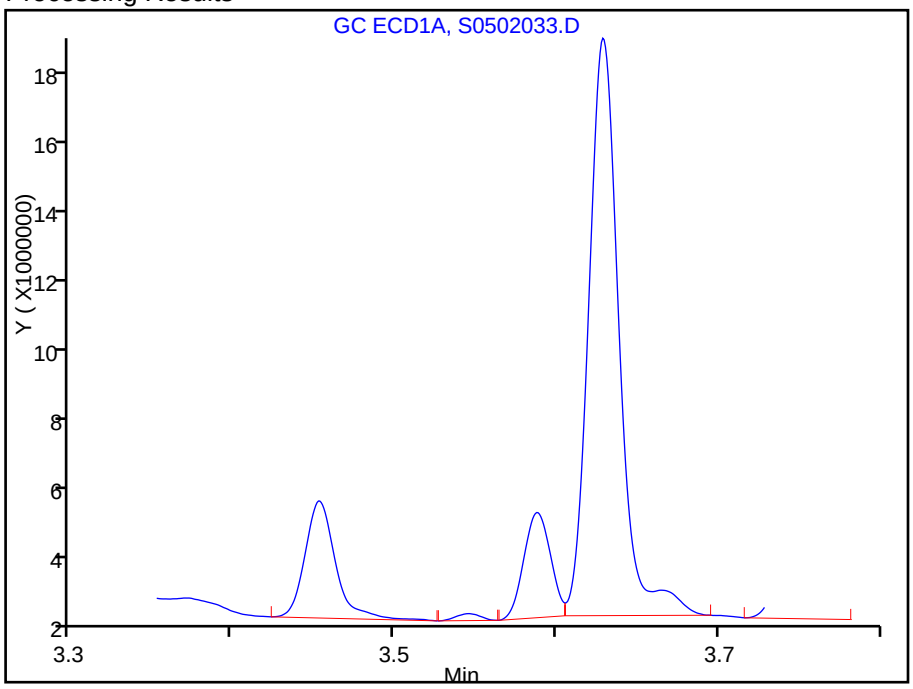
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D				
Injection Date:	02-May-2016 17:40:25	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-C MSD				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.45	3167403	0.286010
3.58	3.59	2848954	0.398177
3.62	3.63	15639160	0.627093
		Average =	0.460759



Reviewer: oravecj, 03-May-2016 09:51:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

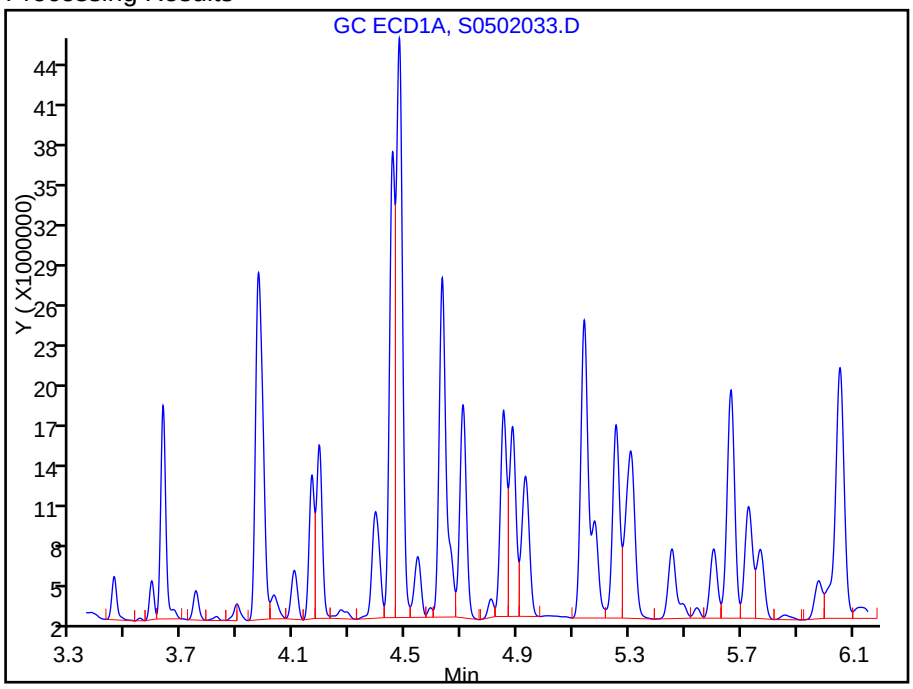
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D				
Injection Date:	02-May-2016 17:40:25	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-C MSD				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.45	3.45	3167403	0.361495
3.63	3.63	15639160	0.655114
4.47	4.48	42476853	1.710325
4.63	4.63	24874813	1.686057
6.06	6.06	18373877	1.402224
		Average =	1.201989



Reviewer: oravecj, 03-May-2016 09:51:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

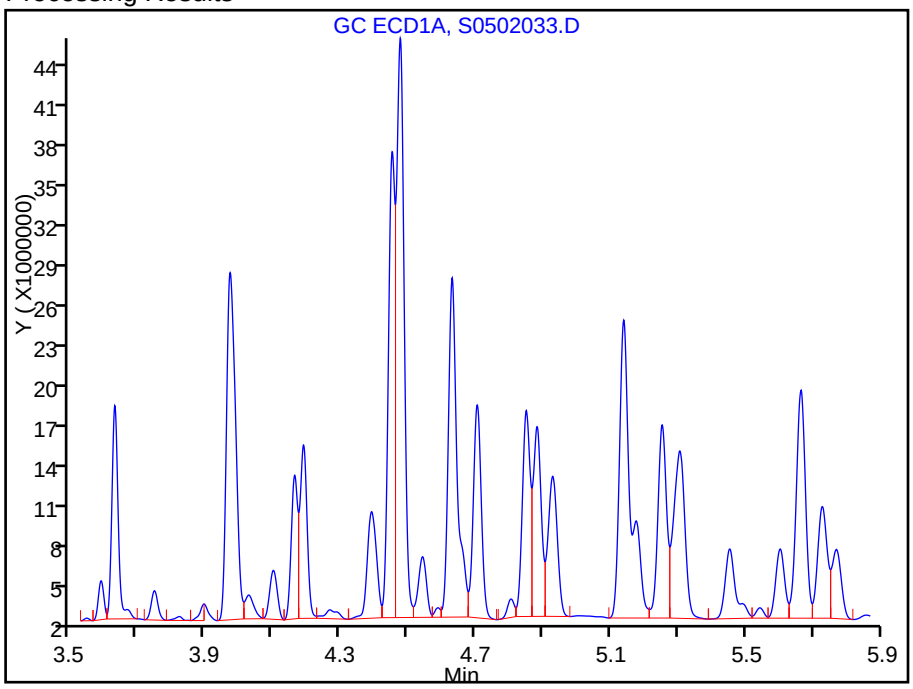
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D				
Injection Date:	02-May-2016 17:40:25	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-C MSD				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.63	3.63	15639160	0.999442
3.97	3.97	25452785	1.113255
4.48	4.48	42476853	1.049534
5.14	5.14	21841922	1.060569
5.77	5.77	5071480	0.235352
		Average =	0.976191



Reviewer: oravecj, 03-May-2016 09:51:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

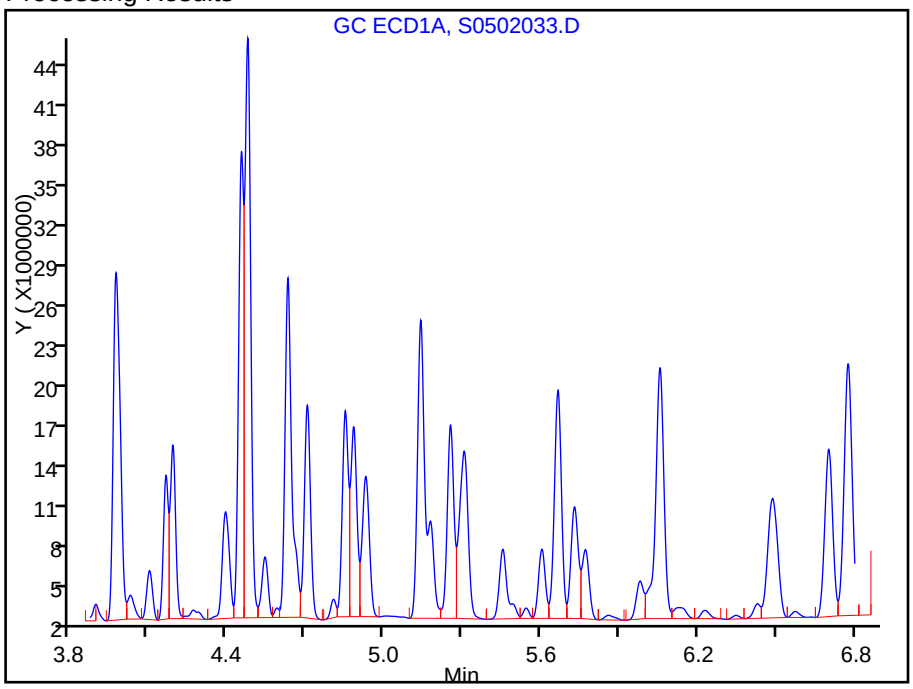
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D				
Injection Date:	02-May-2016 17:40:25	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-C MSD				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
3.97	3.97	25452785	1.865939
5.14	5.14	21841922	0.683250
5.73	5.73	8180553	0.219214
6.07	6.06	18373877	0.734704
6.70	6.70	12264421	0.663253
		Average =	0.621977



Reviewer: oravecj, 03-May-2016 09:51:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

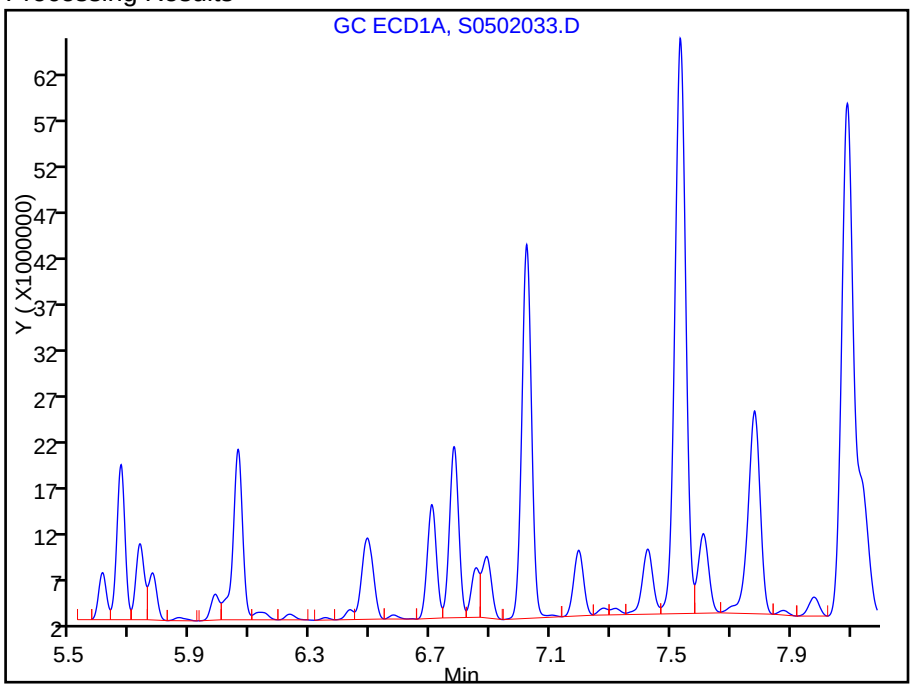
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D				
Injection Date:	02-May-2016 17:40:25	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-C MSD				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 1, GC ECD1A

Processing Results

Exp RT	RT	Response	Amount
5.66	5.67	16717111	0.522352
6.05	6.06	18373877	0.421067
6.70	6.70	12264421	0.200856
7.19	7.19	7073206	0.154899
8.09	8.09	55207090	1.205658
		Average =	0.482516



Reviewer: oravecj, 03-May-2016 09:51:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Client Sample ID: CE-MW-39R-042816 MSD Lab Sample ID: 180-54291-5 MSD

Matrix: Water Lab File ID: S0502033.D

Analysis Method: 8082A Date Collected: 04/28/2016 13:50

Extraction Method: 3510C Date Extracted: 04/30/2016 08:35

Sample wt/vol: 950(mL) Date Analyzed: 05/02/2016 17:40

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLP2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 174947 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	99		43-138
877-09-8	Tetrachloro-m-xylene	92		34-137

TestAmerica Pittsburgh
Target Compound Quantitation Report

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D
Lims ID: 180-54291-A-5-C MSD
Client ID: CE-MW-39R-042816
Sample Type: MSD
Inject. Date: 02-May-2016 17:40:25 ALS Bottle#: 33 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 180-0011647-033
Operator ID: 402331 Instrument ID: CHGC10

Method: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\IS PCB_CHGC10DUAL.m
Limit Group: GCS 8082A ICAL with IS
Last Update: 03-May-2016 09:56:19 Calib Date: 19-Apr-2016 11:55:32
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160419-11491.b\S0418015.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK008

First Level Reviewer: oravecj Date: 03-May-2016 09:51:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 1-Bromo-2-nitrobenzene							
1	2.697	2.700	-0.003	99613749H	0.1000	0.1000	
2	2.914	2.916	-0.003	98534703H	0.1000	0.1000	
$ 2 Tetrachloro-m-xylene							
1	3.311	3.314	-0.003	22969827H	0.0200	0.0192	
2	3.773	3.775	-0.002	19842118H	0.0200	0.0184	
						RPD = 4.19	
3 PCB-1221							U
1		3.450				ND	
1		3.585					
1		3.624					
2		4.068					
2		4.232					
2		4.305					
4 PCB-1232							U
1		3.452				ND	
1		3.626					
1		4.474					
1		4.627					
1		6.059					
2		4.071					
2		4.307					
2		4.812					
2		5.462					
2		5.664					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
5 PCB-1242							U
1		3.627				ND	
1		3.969					
1		4.475					
1		5.138					
1		5.770					
2		4.309					
2		4.813					
2		5.462					
2		5.664					
2		6.424					
6 PCB-1016							
1	3.629	3.630	-0.001	15639160H	1.00	0.8035	
1	4.452	4.455	-0.003	34159538H	1.00	0.8454	
1	4.630	4.633	-0.003	24874813H	1.00	0.8570	
1	4.704	4.708	-0.004	15601103H	1.00	0.7314	
1	5.139	5.142	-0.003	21841922H	1.00	0.8766	
		Average of Peak Amounts =				0.8228	
2	4.815	4.818	-0.003	18519538H	1.00	0.8479	
2	5.465	5.467	-0.002	34197922H	1.00	0.8640	
2	5.667	5.670	-0.003	19321558H	1.00	0.8570	
2	6.426	6.429	-0.003	17177398H	1.00	0.8608	
2	6.642	6.645	-0.003	14650223H	1.00	0.8746	
		Average of Peak Amounts =				0.8608	
						RPD = 4.52	
7 PCB-1248							U
1		3.970				ND	
1		5.138					
1		5.728					
1		6.066					
1		6.705					
2		5.971					
2		6.426					
2		7.100					
2		7.187					
2		7.632					
8 PCB-1254							U
1		5.660				ND	
1		6.052					
1		6.699					
1		7.187					
1		8.087					
2		7.174					
2		7.535					
2		8.482					
2		8.915					
2		9.857					

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng	OnCol Amt ng	Flags
9 PCB-1260							
1	7.020	7.023	-0.003	40298979H	1.00	0.9048	
1	7.533	7.537	-0.004	62023440H	1.00	0.9574	
1	8.091	8.095	-0.004	55207090H	1.00	1.03	
1	9.337	9.340	-0.003	87520421H	1.00	0.8616	
1	9.805	9.809	-0.004	51193272H	1.00	0.9090	
		Average of Peak Amounts =				0.9331	
2	8.860	8.865	-0.005	34598223H	1.00	0.8557	
2	9.243	9.246	-0.003	46017310H	1.00	0.8809	
2	9.861	9.863	-0.002	49578031H	1.00	1.00	
2	10.858	10.861	-0.003	81364927H	1.00	0.8350	
2	11.391	11.394	-0.003	47800193H	1.00	0.9010	
		Average of Peak Amounts =				0.8953	
						RPD = 4.13	
10 PCB-1262							U
1		7.530				ND	
1		8.317					
1		9.335					
1		9.802					
1		9.866					
2		9.240					
2		10.007					
2		10.857					
2		11.382					
2		11.966					
11 PCB-1268							U
1		9.866				ND	
1		9.929					
1		10.233					
1		11.188					
2		11.378					
2		11.444					
2		11.797					
2		12.611					
* 46 PCB-205 (IS)							
1	10.853	10.853	0.000	133072113H		0	
2	12.229	12.228	0.001	113666806H		0	
$ 12 DCB Decachlorobiphenyl (Surr)							
1	11.453	11.455	-0.002	21569247H	0.0200	0.0217	
2	12.945	12.948	-0.003	16496190H	0.0200	0.0198	
						RPD = 9.20	
13 1260 Res 2							
1		0.000				ND	
2		0.000					
14 1260 Res 3							
1		0.000				ND	
2		0.000					
15 1260 Res 1							
1		0.000				ND	
2		0.000					

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

GCP/PCBINTw_00002 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 03-May-2016 09:57:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Pittsburgh

Data File: \\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D

Injection Date: 02-May-2016 17:40:25 Instrument ID: CHGC10

Lims ID: 180-54291-A-5-C MSD

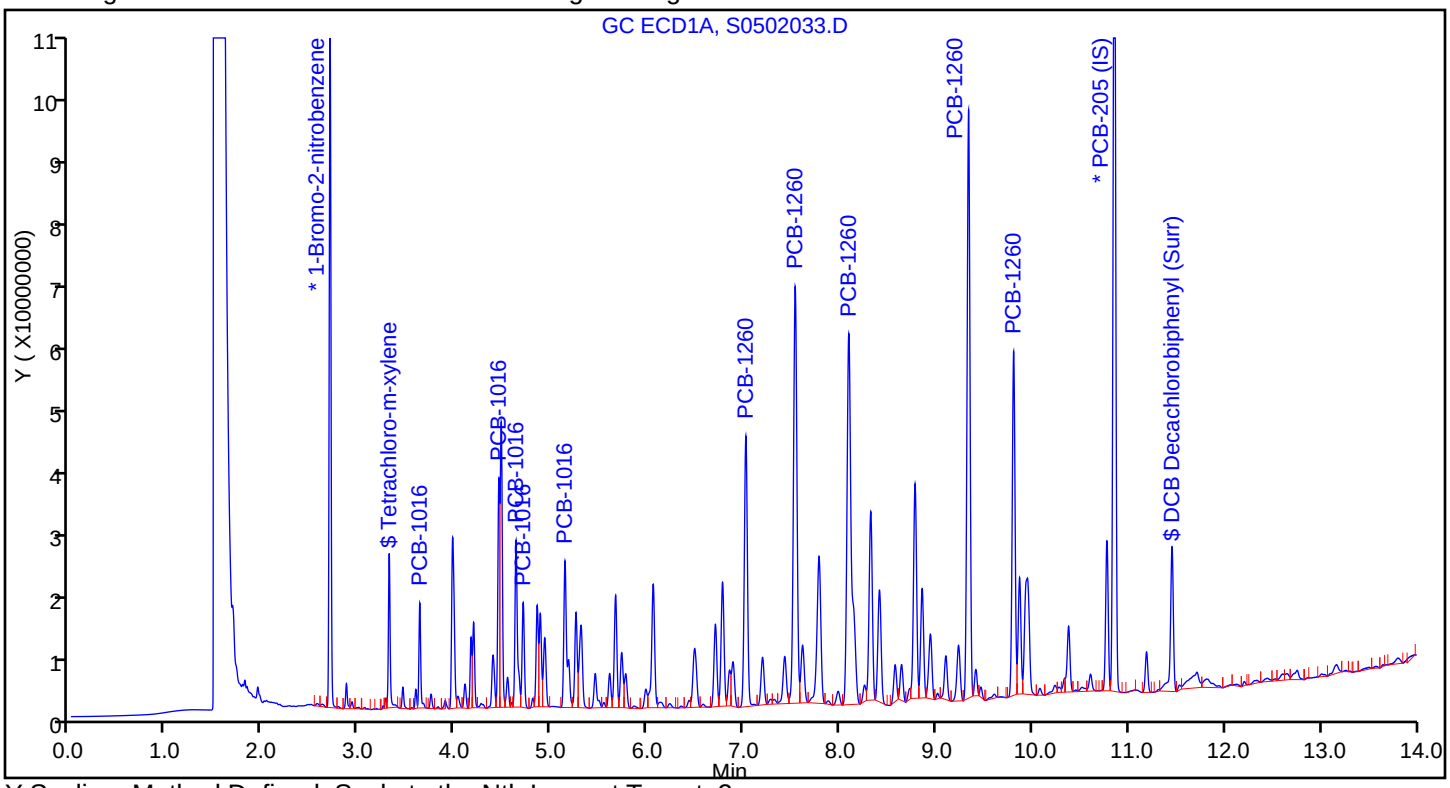
Client ID: CE-MW-39R-042816

Operator ID: 402331 ALS Bottle#: 33 Worklist Smp#: 33

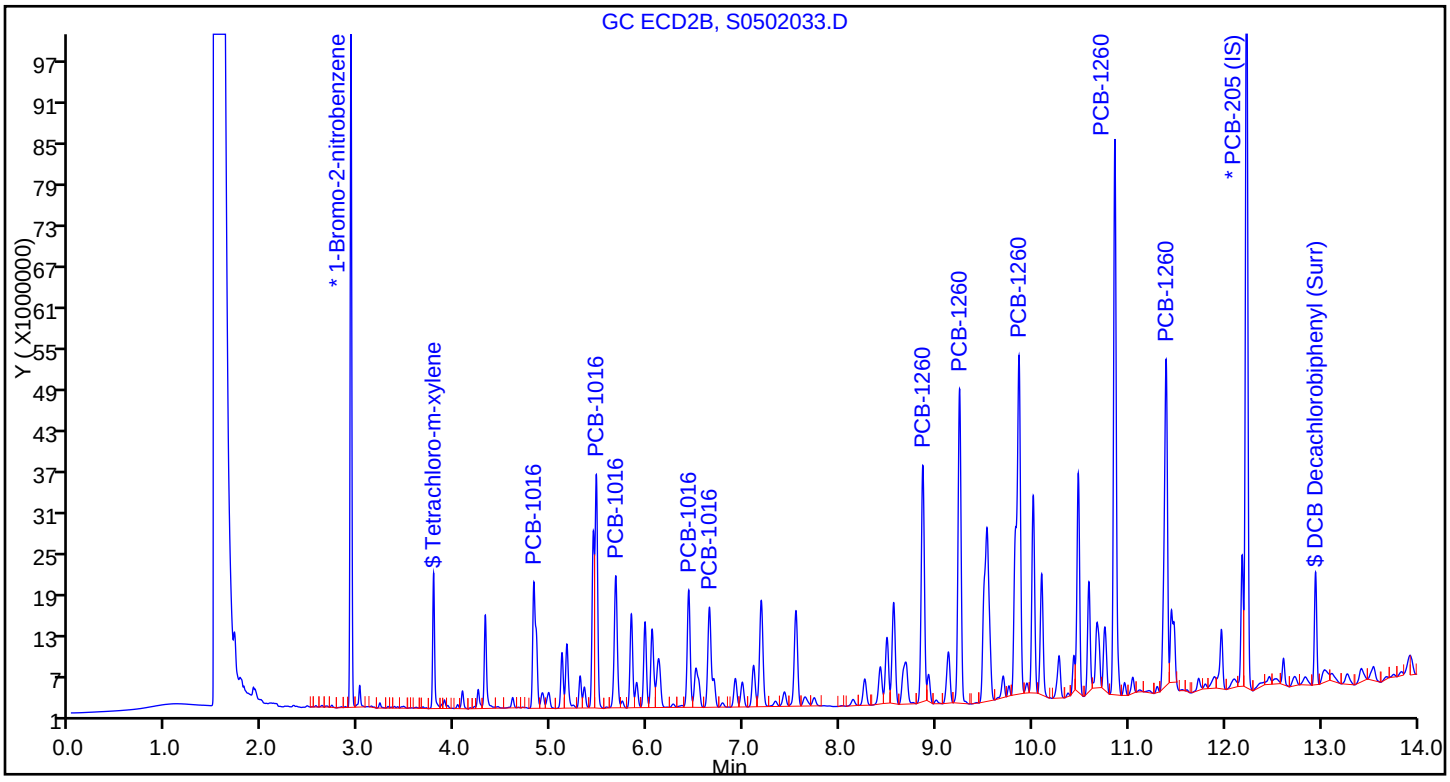
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: IS PCB_CHGC10DUAL Limit Group: GCS 8082A ICAL with IS

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



User Disabled Compound Report

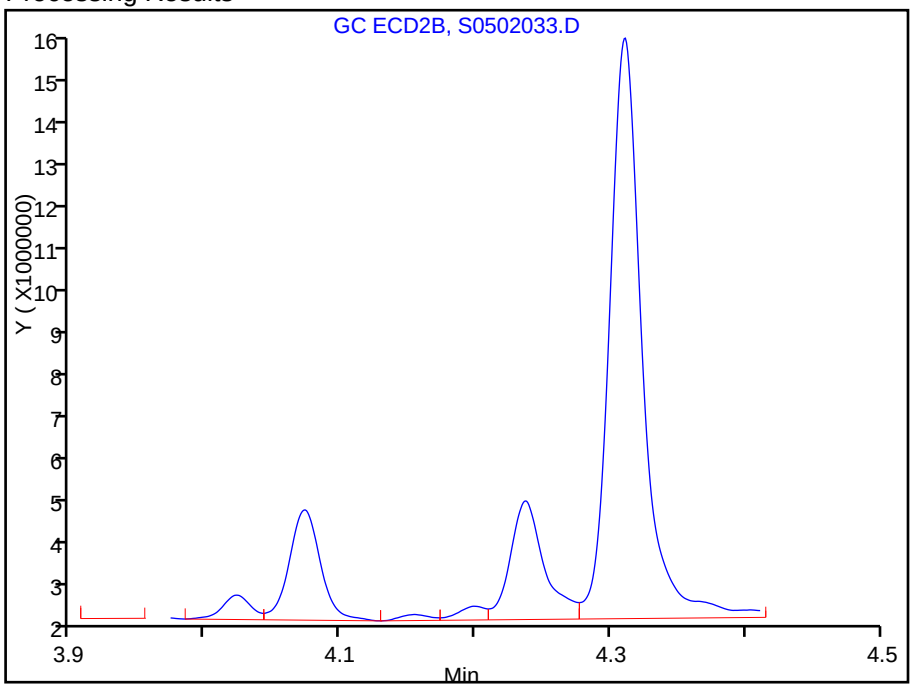
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D				
Injection Date:	02-May-2016 17:40:25	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-C MSD				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

3 PCB-1221, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.07	2596226	0.280768
4.23	4.24	2794074	0.456188
4.30	4.31	13678219	0.716320
		Average =	0.460759



Reviewer: oravecj, 03-May-2016 09:51:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

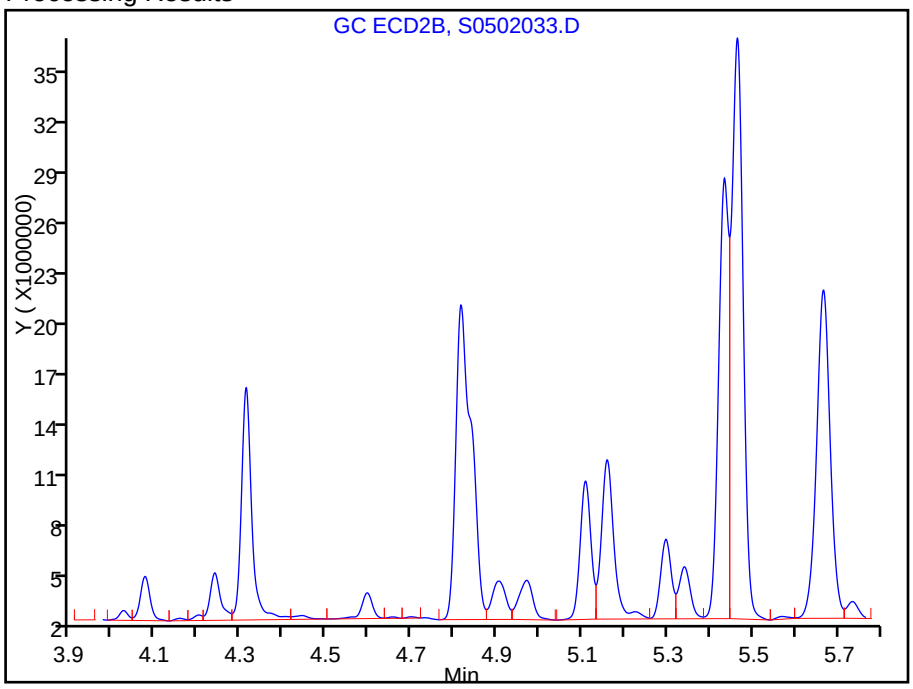
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D				
Injection Date:	02-May-2016 17:40:25	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-C MSD				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

4 PCB-1232, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.07	4.07	2596226	0.355923
4.31	4.31	13678219	0.733289
4.81	4.82	18519538	1.667136
5.46	5.47	34197922	1.737703
5.66	5.67	19321558	1.710619
	Average =		1.201989



Reviewer: oravecj, 03-May-2016 09:51:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

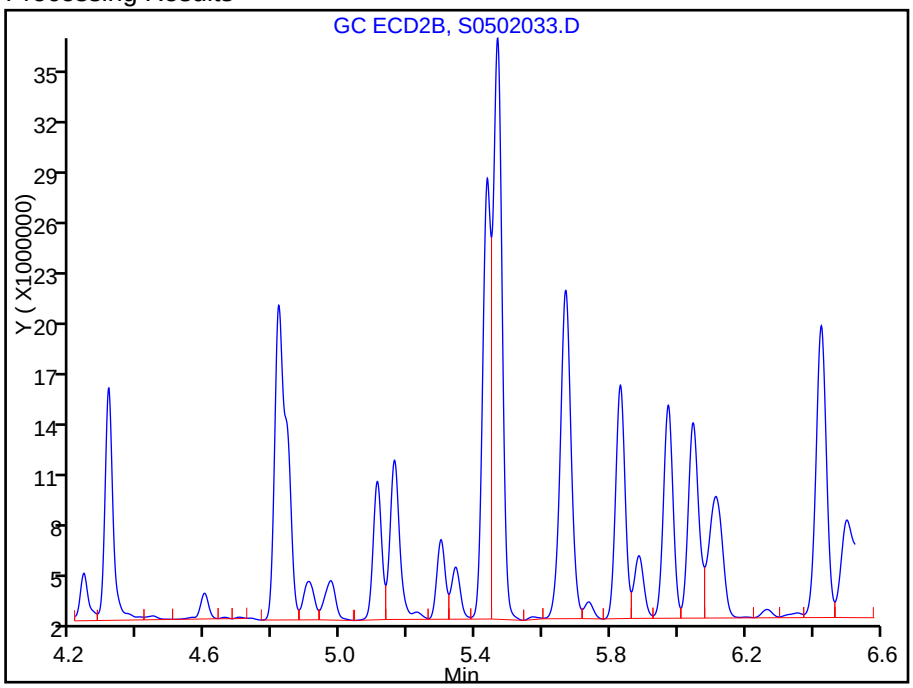
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D				
Injection Date:	02-May-2016 17:40:25	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-C MSD				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

5 PCB-1242, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
4.31	4.31	13678219	1.084687
4.81	4.82	18519538	1.059357
5.46	5.47	34197922	1.063016
5.66	5.67	19321558	1.061454
6.42	6.43	17177398	1.035246
		Average =	0.976191



Reviewer: oravecj, 03-May-2016 09:51:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

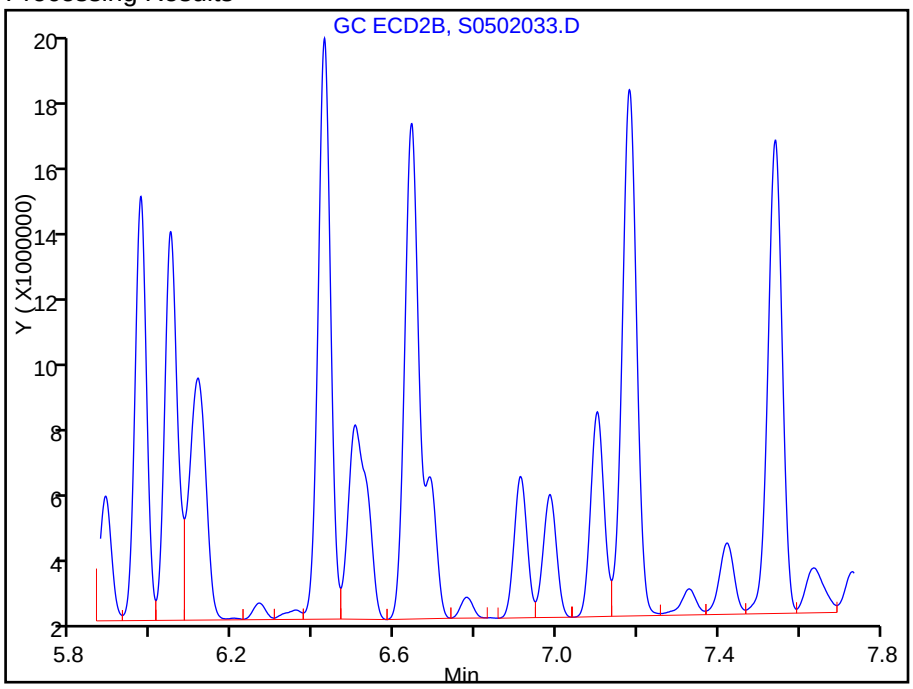
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D				
Injection Date:	02-May-2016 17:40:25	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-C MSD				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

7 PCB-1248, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
5.97	5.97	12540921	0.607137
6.43	6.43	17177398	0.663670
7.10	7.10	6055307	0.207573
7.19	7.18	15561199	0.516208
7.63	7.64	1327546	0.058818
		Average =	0.621977



Reviewer: oravecj, 03-May-2016 09:51:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

User Disabled Compound Report

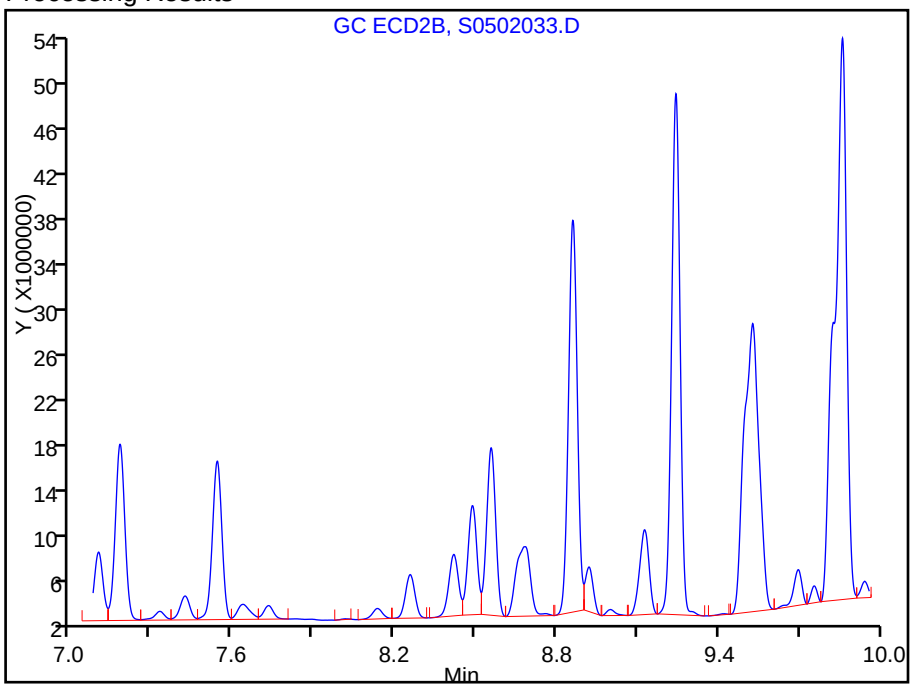
TestAmerica Pittsburgh

Data File:	\\ChromNA\Pittsburgh\ChromData\CHGC10\20160502-11647.b\S0502033.D				
Injection Date:	02-May-2016 17:40:25	Instrument ID:	CHGC10		
Lims ID:	180-54291-A-5-C MSD				
Client ID:	CE-MW-39R-042816				
Operator ID:	402331	ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	IS PCB_CHGC10DUAL	Limit Group:	GCS 8082A ICAL with IS		

8 PCB-1254, Detector: 2, GC ECD2B

Processing Results

Exp RT	RT	Response	Amount
7.17	7.18	15561199	0.545882
7.53	7.54	13993877	0.426833
8.48	8.49	9630802	0.186146
8.91	8.92	3932183	0.099411
9.86	9.86	49578031	1.062054
		Average =	0.482516



Reviewer: oravecj, 03-May-2016 09:51:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Instrument ID: CHGC10 Start Date: 04/19/2016 08:46

Analysis Batch Number: 173857 End Date: 04/19/2016 19:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-173857/1		04/19/2016 08:46	1	S0418005.D	RTX-CLP1 0.53(mm)
IC 180-173857/1		04/19/2016 08:46	1	S0418005.D	RTX-CLP2 0.53(mm)
IC 180-173857/2		04/19/2016 09:05	1	S0418006.D	RTX-CLP1 0.53(mm)
IC 180-173857/2		04/19/2016 09:05	1	S0418006.D	RTX-CLP2 0.53(mm)
IC 180-173857/3		04/19/2016 09:24	1	S0418007.D	RTX-CLP1 0.53(mm)
IC 180-173857/3		04/19/2016 09:24	1	S0418007.D	RTX-CLP2 0.53(mm)
IC 180-173857/4		04/19/2016 09:43	1	S0418008.D	RTX-CLP1 0.53(mm)
IC 180-173857/4		04/19/2016 09:43	1	S0418008.D	RTX-CLP2 0.53(mm)
IC 180-173857/5		04/19/2016 10:02	1	S0418009.D	RTX-CLP1 0.53(mm)
IC 180-173857/5		04/19/2016 10:02	1	S0418009.D	RTX-CLP2 0.53(mm)
IC 180-173857/6		04/19/2016 10:21	1	S0418010.D	RTX-CLP1 0.53(mm)
IC 180-173857/6		04/19/2016 10:21	1	S0418010.D	RTX-CLP2 0.53(mm)
IC 180-173857/7		04/19/2016 10:40	1	S0418011.D	RTX-CLP1 0.53(mm)
IC 180-173857/7		04/19/2016 10:40	1	S0418011.D	RTX-CLP2 0.53(mm)
ICIS 180-173857/8		04/19/2016 10:58	1	S0418012.D	RTX-CLP1 0.53(mm)
ICIS 180-173857/8		04/19/2016 10:58	1	S0418012.D	RTX-CLP2 0.53(mm)
IC 180-173857/9		04/19/2016 11:17	1	S0418013.D	RTX-CLP1 0.53(mm)
IC 180-173857/9		04/19/2016 11:17	1	S0418013.D	RTX-CLP2 0.53(mm)
IC 180-173857/10		04/19/2016 11:36	1	S0418014.D	RTX-CLP1 0.53(mm)
IC 180-173857/10		04/19/2016 11:36	1	S0418014.D	RTX-CLP2 0.53(mm)
IC 180-173857/11		04/19/2016 11:55	1	S0418015.D	RTX-CLP1 0.53(mm)
IC 180-173857/11		04/19/2016 11:55	1	S0418015.D	RTX-CLP2 0.53(mm)
ICV 180-173857/12		04/19/2016 12:14	1		RTX-CLP1 0.53(mm)
ICV 180-173857/12		04/19/2016 12:14	1		RTX-CLP2 0.53(mm)
ICV 180-173857/13		04/19/2016 12:33	1		RTX-CLP1 0.53(mm)
ICV 180-173857/13		04/19/2016 12:33	1		RTX-CLP2 0.53(mm)
ICV 180-173857/14		04/19/2016 12:52	1		RTX-CLP1 0.53(mm)
ICV 180-173857/14		04/19/2016 12:52	1		RTX-CLP2 0.53(mm)
ICV 180-173857/15		04/19/2016 13:11	1		RTX-CLP1 0.53(mm)
ICV 180-173857/15		04/19/2016 13:11	1		RTX-CLP2 0.53(mm)
ICV 180-173857/16		04/19/2016 13:29	1		RTX-CLP1 0.53(mm)
ICV 180-173857/16		04/19/2016 13:29	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 13:48	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 13:48	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 14:07	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 14:07	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 14:26	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 14:26	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 14:45	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 14:45	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 15:04	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 15:04	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 15:23	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 15:23	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 15:42	1		RTX-CLP1 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Instrument ID: CHGC10 Start Date: 04/19/2016 08:46

Analysis Batch Number: 173857 End Date: 04/19/2016 19:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/19/2016 15:42	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 16:01	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 16:01	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 16:30	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 16:30	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 16:59	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 16:59	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 17:28	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 17:28	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 17:57	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 17:57	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 18:26	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 18:26	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 18:55	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 18:55	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 19:23	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 19:23	1		RTX-CLP2 0.53(mm)
ZZZZZ		04/19/2016 19:52	1		RTX-CLP1 0.53(mm)
ZZZZZ		04/19/2016 19:52	1		RTX-CLP2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Instrument ID: CHGC10 Start Date: 05/02/2016 07:38

Analysis Batch Number: 174947 End Date: 05/02/2016 20:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RTC 180-174947/1		05/02/2016 07:38	1		RTX-CLP1 0.53(mm)
RTC 180-174947/1		05/02/2016 07:38	1		RTX-CLP2 0.53(mm)
RTC 180-174947/2		05/02/2016 07:57	1		RTX-CLP1 0.53(mm)
RTC 180-174947/2		05/02/2016 07:57	1		RTX-CLP2 0.53(mm)
RTC 180-174947/3		05/02/2016 08:16	1		RTX-CLP1 0.53(mm)
RTC 180-174947/3		05/02/2016 08:16	1		RTX-CLP2 0.53(mm)
RTC 180-174947/4		05/02/2016 08:35	1	S0502004.D	RTX-CLP1 0.53(mm)
RTC 180-174947/4		05/02/2016 08:35	1	S0502004.D	RTX-CLP2 0.53(mm)
CCVIS 180-174947/5		05/02/2016 08:54	1		RTX-CLP1 0.53(mm)
CCVIS 180-174947/5		05/02/2016 08:54	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 09:13	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 09:13	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 09:32	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 09:32	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 09:50	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 09:50	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 10:09	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 10:09	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 10:28	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 10:28	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 10:47	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 10:47	1		RTX-CLP2 0.53(mm)
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ZZZZZ		05/02/2016 11:06	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 11:25	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 11:25	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 11:43	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 11:43	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 12:59	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 12:59	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 13:54	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 13:54	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 14:13	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 14:13	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 14:31	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 14:31	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 14:50	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 14:50	1		RTX-CLP2 0.53(mm)
CCVIS 180-174947/25		05/02/2016 15:09	1	S0502025.D	RTX-CLP1 0.53(mm)
CCVIS 180-174947/25		05/02/2016 15:09	1	S0502025.D	RTX-CLP2 0.53(mm)
MB 180-174909/1-A		05/02/2016 15:28	1	S0502026.D	RTX-CLP1 0.53(mm)
MB 180-174909/1-A		05/02/2016 15:28	1	S0502026.D	RTX-CLP2 0.53(mm)
180-54291-1		05/02/2016 15:47	1	S0502027.D	RTX-CLP1 0.53(mm)
180-54291-1		05/02/2016 15:47	1	S0502027.D	RTX-CLP2 0.53(mm)
180-54291-2		05/02/2016 16:06	1	S0502028.D	RTX-CLP1 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Instrument ID: CHGC10 Start Date: 05/02/2016 07:38

Analysis Batch Number: 174947 End Date: 05/02/2016 20:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
180-54291-2		05/02/2016 16:06	1	S0502028.D	RTX-CLP2 0.53(mm)
180-54291-3		05/02/2016 16:25	1	S0502029.D	RTX-CLP1 0.53(mm)
180-54291-3		05/02/2016 16:25	1	S0502029.D	RTX-CLP2 0.53(mm)
180-54291-4		05/02/2016 16:43	1	S0502030.D	RTX-CLP1 0.53(mm)
180-54291-4		05/02/2016 16:43	1	S0502030.D	RTX-CLP2 0.53(mm)
180-54291-5		05/02/2016 17:02	1	S0502031.D	RTX-CLP1 0.53(mm)
180-54291-5		05/02/2016 17:02	1	S0502031.D	RTX-CLP2 0.53(mm)
180-54291-5 MS		05/02/2016 17:21	1	S0502032.D	RTX-CLP1 0.53(mm)
180-54291-5 MS		05/02/2016 17:21	1	S0502032.D	RTX-CLP2 0.53(mm)
180-54291-5 MSD		05/02/2016 17:40	1	S0502033.D	RTX-CLP1 0.53(mm)
180-54291-5 MSD		05/02/2016 17:40	1	S0502033.D	RTX-CLP2 0.53(mm)
180-54291-6		05/02/2016 17:59	1	S0502034.D	RTX-CLP1 0.53(mm)
180-54291-6		05/02/2016 17:59	1	S0502034.D	RTX-CLP2 0.53(mm)
LCS 180-174909/2-A		05/02/2016 18:18	1	S0502035.D	RTX-CLP1 0.53(mm)
LCS 180-174909/2-A		05/02/2016 18:18	1	S0502035.D	RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 18:36	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 18:36	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 18:55	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 18:55	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 19:14	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 19:14	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 19:33	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 19:33	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 19:52	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 19:52	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 20:11	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 20:11	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 20:29	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 20:29	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/02/2016 20:48	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/02/2016 20:48	1		RTX-CLP2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Instrument ID: CHGC10 Start Date: 05/04/2016 05:11

Analysis Batch Number: 175185 End Date: 05/04/2016 12:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RTC 180-175185/1		05/04/2016 05:11	1		RTX-CLP1 0.53(mm)
RTC 180-175185/1		05/04/2016 05:11	1		RTX-CLP2 0.53(mm)
RTC 180-175185/2		05/04/2016 05:30	1		RTX-CLP1 0.53(mm)
RTC 180-175185/2		05/04/2016 05:30	1		RTX-CLP2 0.53(mm)
RTC 180-175185/3		05/04/2016 05:49	1		RTX-CLP1 0.53(mm)
RTC 180-175185/3		05/04/2016 05:49	1		RTX-CLP2 0.53(mm)
RTC 180-175185/4		05/04/2016 06:07	1	S0504004.D	RTX-CLP1 0.53(mm)
RTC 180-175185/4		05/04/2016 06:07	1	S0504004.D	RTX-CLP2 0.53(mm)
CCVIS 180-175185/5		05/04/2016 06:26	1	S0504005.D	RTX-CLP1 0.53(mm)
CCVIS 180-175185/5		05/04/2016 06:26	1	S0504005.D	RTX-CLP2 0.53(mm)
ZZZZZ		05/04/2016 06:45	50		RTX-CLP1 0.53(mm)
ZZZZZ		05/04/2016 06:45	50		RTX-CLP2 0.53(mm)
ZZZZZ		05/04/2016 07:04	50		RTX-CLP1 0.53(mm)
ZZZZZ		05/04/2016 07:04	50		RTX-CLP2 0.53(mm)
ZZZZZ		05/04/2016 07:23	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/04/2016 07:23	1		RTX-CLP2 0.53(mm)
ZZZZZ		05/04/2016 07:41	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/04/2016 07:41	1		RTX-CLP2 0.53(mm)
MB 180-175171/1-A		05/04/2016 08:00	1	S0504010.D	RTX-CLP1 0.53(mm)
MB 180-175171/1-A		05/04/2016 08:00	1	S0504010.D	RTX-CLP2 0.53(mm)
180-54318-1		05/04/2016 10:11	1	S0504017.D	RTX-CLP1 0.53(mm)
180-54318-1		05/04/2016 10:11	1	S0504017.D	RTX-CLP2 0.53(mm)
180-54318-2		05/04/2016 10:29	1	S0504018.D	RTX-CLP1 0.53(mm)
180-54318-2		05/04/2016 10:29	1	S0504018.D	RTX-CLP2 0.53(mm)
ZZZZZ		05/04/2016 10:46	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/04/2016 10:46	1		RTX-CLP2 0.53(mm)
180-54318-4		05/04/2016 11:04	1	S0504020.D	RTX-CLP1 0.53(mm)
180-54318-4		05/04/2016 11:04	1	S0504020.D	RTX-CLP2 0.53(mm)
ZZZZZ		05/04/2016 11:23	1		RTX-CLP1 0.53(mm)
ZZZZZ		05/04/2016 11:23	1		RTX-CLP2 0.53(mm)
180-54318-6		05/04/2016 11:40	1	S0504022.D	RTX-CLP1 0.53(mm)
180-54318-6		05/04/2016 11:40	1	S0504022.D	RTX-CLP2 0.53(mm)
LCS 180-175171/2-A		05/04/2016 12:16	1	S0504024.D	RTX-CLP1 0.53(mm)
LCS 180-175171/2-A		05/04/2016 12:16	1	S0504024.D	RTX-CLP2 0.53(mm)
180-54318-3		05/04/2016 12:35	1	S0504025.D	RTX-CLP1 0.53(mm)
180-54318-3		05/04/2016 12:35	1	S0504025.D	RTX-CLP2 0.53(mm)
180-54318-5		05/04/2016 12:54	10	S0504026.D	RTX-CLP1 0.53(mm)
180-54318-5		05/04/2016 12:54	10	S0504026.D	RTX-CLP2 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Batch Number: 174909 Batch Start Date: 04/30/16 08:35 Batch Analyst: Yushinski, Charles

Batch Method: 3510C Batch End Date: 04/30/16 14:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	GCMATRIXWORKS 00020	OP/PESTPCBRTS 00004	
MB 180-174909/1		3510C, 8082A		6	1000 mL	1.0 mL		0.1 mL	
LCS 180-174909/2		3510C, 8082A		6	1000 mL	1.0 mL	25 uL	0.1 mL	
180-54291-B-1	CE-EB-72-042816	3510C, 8082A	T	5	970 mL	1.0 mL		0.1 mL	
180-54291-A-2	CE-MW-43R3-042816	3510C, 8082A	T	7	980 mL	1.0 mL		0.1 mL	
180-54291-A-3	CE-MW-42R-042816	3510C, 8082A	T	7	950 mL	1.0 mL		0.1 mL	
180-54291-A-4	CE-MW-41R2-042816	3510C, 8082A	T	7	950 mL	1.0 mL		0.1 mL	
180-54291-A-5	CE-MW-39R-042816	3510C, 8082A	T	7	950 mL	1.0 mL		0.1 mL	
180-54291-A-5 MS	CE-MW-39R-042816	3510C, 8082A	T	7	950 mL	1.0 mL	25 uL	0.1 mL	
180-54291-A-5 MSD	CE-MW-39R-042816	3510C, 8082A	T	7	950 mL	1.0 mL	25 uL	0.1 mL	
180-54291-A-6	CE-MW-38R-042816	3510C, 8082A	T	7	950 mL	1.0 mL		0.1 mL	

Batch Notes	
Analyst ID - Concentration	CBY
Exchange Solvent ID	1900686
Exchange Solvent Name	Hexane
N-evap ID	1
N-evap Temperature	21 Celsius
Na2SO4 ID	1903551
Oven, Bath or Block Temperature 1	79 Celsius
pH Paper ID	Ph paper HC554612
Prep Solvent ID	1921263
Prep Solvent Name	Methylene chloride
Prep Solvent Volume Used	180 mL
Person's name who did the prep	CBY
Sufficient volume for MS/MSD?	yes
Uncorrected N-evap Temperature	21 Celsius
Uncorrected Temperature	79 Celsius

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Batch Number: 174909 Batch Start Date: 04/30/16 08:35 Batch Analyst: Yushinski, Charles

Batch Method: 3510C Batch End Date: 04/30/16 14:05

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-54291-1

SDG No.:

Batch Number: 175171 Batch Start Date: 05/03/16 13:30 Batch Analyst: Yushinski, Charles

Batch Method: 3510C Batch End Date: 05/03/16 22:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	GCMATRIXWORKS 00021	OP/PESTPCBRTS 00004	
MB 180-175171/1		3510C, 8082A		6	1000 mL	1.0 mL		0.1 mL	
LCS 180-175171/2		3510C, 8082A		6	1000 mL	1.0 mL	25 uL	0.1 mL	
180-54318-A-1	MW-28R5_042916	3510C, 8082A	T	7	950 mL	1.0 mL		0.1 mL	
180-54318-A-2	MW-28R5A_042916	3510C, 8082A	T	7	970 mL	1.0 mL		0.1 mL	
180-54318-A-3	MW-30R4_042916	3510C, 8082A	T	7	960 mL	1.0 mL		0.1 mL	
180-54318-A-4	MW-31R_042916	3510C, 8082A	T	7	990 mL	1.0 mL		0.1 mL	
180-54318-A-5	MW-32R_042916	3510C, 8082A	T	7	960 mL	1.0 mL		0.1 mL	
180-54318-A-6	MW-34R2_042916	3510C, 8082A	T	7	960 mL	1.0 mL		0.1 mL	

Batch Notes	
Analyst ID - Concentration	CBY
Exchange Solvent ID	1900686
Exchange Solvent Name	Hexane
N-evap ID	1
N-evap Temperature	21 Celsius
Na2SO4 ID	1903551
Oven, Bath or Block Temperature 1	79 Celsius
pH Paper ID	Ph paper HC554612
Prep Solvent ID	1921263
Prep Solvent Name	Methylene chloride
Prep Solvent Volume Used	180 mL
Person's name who did the prep	CBY
Sufficient volume for MS/MSD?	yes
Uncorrected N-evap Temperature	21 Celsius
Uncorrected Temperature	79 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

05/05/2016

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of ___

Name (for report and invoice) Neoma Chebalo	Samplers Name (Printed) Stephen Schmid	Site/Project Identification CE Flushing 40-22 college pt blvd
Company AKRF, Inc.	P. O. # 30141	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program: DKQP: ☐
Address 440 Park Ave. S	Analysis Turnaround Time: Standard ☒	
City NY State NY	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone 646-388-9854 Fax		

Sample Identification	Date	1040 Time	Matrix	No. of Cont.	Total PCBs 8082	LAB USE ONLY Project No: / Job No: / Sample Numbers
CE-EB-72_042816	4/28/16	~~4/28/16~~	GW	2	X	
CE-MW-43R3-042816	↓	925	↓	↓	X	
CE-MW-42R_042816		1030			X	
CE-MW-41R2_042816		1150			X	
CE-MW-39R_042816		1350			X	
CE-MW-39R-MS_042816		1350			X	
CE-MW-39R-MSD_042816		1350			X	
CE-MW-38R_042816	↓	1500	↓	↓	X	

Preservation Used: ~~1 = Ice~~, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil: / Water:
6 = Other _____, 7 = Other _____

180-54291 Chain of Custody

Special Instructions Cat B deliverables — Water Metals Filtered (Yes/No)? _____

	Relinquished by	Company	Date / Time	Received by	Company
1)	Stephen Schmid	AKRF	4/28/16 15:40		T.A
2)	Stephen Schmid	T.A.	04-28-16 17:00		TA PGH 4/29/16 900
3)					
4)					

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0715)

Massachusetts (M-NJ312), North Carolina (No. 578)

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Neoma Chefalo	Samplers Name (Printed) Stephen Schmid	Site/Project Identification CE Flushing 40-22 College pt blvd
Company AKRF, Inc.	P. O. # 30141	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program: DKQP: ☐
Address 440 Park Ave. S	Analysis Turnaround Time: Standard ☒	
City NY State NY	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone 646-388-9854 Fax		

Sample Identification	Date	Time	Matrix	No. of Cont.	Tod	PCBs	8082	Sample Numbers
MW-28R5_042916	4/29/16	1435	GW	2	X			
MW-28R5A_042916	"	1435	"	"	X			
MW-30R4_042916	"	1330	"	"	X			
MW-31R_042916	"	1155	"	"	X			
MW-32R_042916	"	1110	"	"	X			
MW-34R2_042916	↓	1010	↓	↓	X			

LAB USE ONLY
Project No:
Job No:

180-54318 Chain of Custody

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil:
6 = Other _____, 7 = Other _____ — Water:

Special Instructions Cat B deliverables — Water Metals Filtered (Yes/No)? _____

Relinquished by 1) Stephen Schmid	Company AKRF	Date / Time 4/29/16 / 5:00	Received by 1)	Company T. F
Relinquished by 2)	Company T.A.	Date / Time 04-29-16 / 17.00	Received by 2)	Company TAP A 4/30/16 0530
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0715)

05/05/2016

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 180-54291-1

Login Number: 54291
List Number: 1
Creator: Kovitch, Christina M

List Source: TestAmerica Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 180-54291-1

Login Number: 54318
List Number: 1
Creator: Neri, Tom

List Source: TestAmerica Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	