CBS Corporation

Environmental Remediation
PNC Center
20 Stanwix Street, 10th Floor
Pittsburgh, PA 15222

Via Electronic Mail
October 30, 2015

Ms. Carmen Santos
PCB Coordinator
U.S. Environmental Protection Agency, Region 9 (WST-5)
75 Hawthorne Street
San Francisco, CA 94105

Re: Calculated Exposure Point Concentrations for Polychlorinated Biphenyls in Various Media, Former Westinghouse Apparatus Repair Plant Rancho Dominguez, California

Dear Ms. Santos:

CBS Corporation (CBS) and its consultant WSP have calculated exposure point concentrations (EPCs) for total polychlorinated biphenyls (PCBs) for the post-cleaning sampling data from the former Westinghouse apparatus repair plant in Rancho Dominguez, California. As described below, for these calculations the sampling data were segregated into discrete sets by medium (*i.e.*, air, non-porous surfaces, porous surfaces, and dust) and potential exposure unit.

The frequency of detection, minimum and maximum reported concentrations, and EPC for each data set are summarized in Table 1. The EPC for each data set is the 95-percent upper confidence limit (UCL) of the arithmetic mean, which was calculated using the U.S. Environmental Protection Agency Statistical Software ProUCL for Environmental Applications for Data Sets with and without Nondetect Observations, version 5.0.00 (September 2013).[1]

The potential exposure units with the corresponding references to the data table and ProUCL output are the following:

- Indoor air samples (final sampling event after completion of the building cleaning)
  - Vapor phase – PUF filters (Table 2, Enclosure A)
  - Particulate phase – quartz filters (Table 3)[2]

[1] The one exception is the post-cleaning dust sample data set. Because of the small number of data points in this data set, the EPC was set at the maximum reported concentration.

[2] No EPC was calculated for the air-particulate data set because all reported values were non-detect.

- Wipe samples from non-porous media
  - High-frequency contact areas - samples collected from 8 feet or lower from above the floor (Table 4, Enclosure B)
  - Low-frequency contact areas - samples collected higher than 8 feet from above the floor (Table 5, Enclosure C)
- Bulk samples from porous media
  - Samples collected from the floor and walls of the transformer pit and the northeast loading dock walls (Table 6, Enclosure D)
  - Samples collected from the building walls including walls in the office, break room, and loading docks (Table 7, Enclosure E)
  - Samples collected from the warehouse floors north of grid line N220 (Table 8, Enclosure F)
  - Samples collected from the warehouse floors south of grid line N220 (Table 9, Enclosure G)
- Bulk dust samples associated with the HVAC systems (Table 10).

The distinction between warehouse floor samples north and south of grid line N220 is based on the operational history of the facility. Electrical apparatus likely arrived at both the former rail spur (current northeast loading dock) and the ramped entrance in the northwest portion of the facility. Oil-filled equipment entering from the northwest ramp would then be transferred across the northern portion of the building (north of grid line 220) to the transformer (detank) pit to be drained. The potential for leakage and tracking of the fluids would have been greater in the northern portion of the building compared to the southern portion that was used for refurbishment of the drained electrical equipment. The warehouse floor data collected to date support this conclusion.

We trust this submittal satisfies your requirements at this time, and CBS and WSP will continue development of the draft annotated outline of the proposed cleanup plan based on the calculated EPCs and our recent risk analysis discussions. In the meantime, if you have questions regarding this submittal or other project matters, please do not hesitate to contact me.

Respectfully submitted,

Leo M. Brausch
Consultant/Project Engineer
Environmental Remediation

LMB:
Enclosures

cc: Russ Cepko, CBS
Jeff Groy, CBS
Diana Olson, Hager Pacific Properties
David Rykaczewski, WSP
Amy Romano, WSP

TABLES

Table 1

Exposure Point Concentrations for PCBs in Various Sample Media After Final Cleaning
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample Medium and Exposure Unit	Frequency of Detection (b)	Total PCBs (c)		
		Minimum Detected	Maximum Detected	Exposure Point Concentration (d)
Indoor Air Samples (µg/m^3) (e)	5/6	0.043	0.098	0.088
Wipe Samples from Non-porous Media (µg/100 cm^2)				
High Frequency of Contact Areas (f)	5/29	0.78	2.2	1.2
Low Frequency of Contact Areas (g)	46/114	0.51	5.7	1.4
Bulk Samples from Porous Media (mg/kg)				
Transformer Pit Floor and Walls and Northeast Loading Dock Walls	13/13	2.2	4,500	1,800
Building Walls, Including Office, Break Room, and Loading Docks	63/63	0.078	51	2.4
Warehouse Floor North of Grid Line N220	51/51	0.39	210	46
Warehouse Floor South of Grid Line N220 and Mezzanine Area	127/127	0.072	130	8.5
Bulk Dust Samples from HVAC System in Western Office Area (mg/kg)	2/2	3.76	3.9	3.9 (h)

a/ PCBs = polychlorinated biphenyls; µg/m^3 = micrograms per cubic meter; µg/100 cm^2 = micrograms per 100 square centimeters; mg/kg = milligrams per kilogram.

b/ Sample locations with duplicate samples were counted once.

c/ Total PCBs are the sum of detected individual Aroclor concentrations. Aroclors not detected (i.e., flagged "U") are assumed to not contribute to the total PCB concentration.

d/ Exposure point concentration (EPC) is the 95% upper confidence limit (UCL) calculated using U.S. Environmental Protection Agency's Statistical Software ProUCL 5.0.00 for Environmental Applications for Data Sets with and without Nondetect Observations, dated September 2013, assuming the following:

- If a duplicate sample was collected at a sample location, the higher of the two concentrations was assumed to calculate the UCL.
- If more than one UCL was recommended using ProUCL, the higher of the UCLs was assumed as the EPC.
- ProUCL provides EPC estimation methods for left-censored data sets consisting of nondetect observations.

(See Enclosures A through G for UCL statistics and resulting EPC for each data set.)

e/ Air sample results include only PCBs detected in vapor samples because no PCBs were detected in particulate samples.

f/ High frequency of contact areas are wipe sample locations collected 8 feet or lower from the floor (excluding samples collected from ducts, drains, toe rails, and pits) and, as a conservative measure, including wipe sample locations where the height above floor was not specified in the field (i.e., "unknown").

g/ Low contact frequency areas are wipe sample locations collected higher than 8 feet from the floor and including samples collected from ducts, drains, pits, and toe rails.

h/ Too few samples collected to calculate UCL; therefore, the maximum concentration detected was assumed as the EPC.

Table 2

Indoor Air Sample Results After Final Cleaning - PCBs in Vapors
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California
June 24 through 26, 2015 (a)

Location:	Western Office Area	Northwest Portion of Warehouse	Northeast Portion of Warehouse		Southeast Portion of Warehouse	Southwest Portion of Warehouse	Inside Break Room
Sample ID:	PUF-14-062415	PUF-15-062415	PUF-17-062415	PUF-400-062415 (c)	PUF-18-062415	PUF-19-062415	PUF-20-062415
Analyte (µg/m^3)							
Aroclor 1016	0.0079 U	0.0039 U	0.0039 U	0.0040 U	0.0050 U	0.0040 U	0.0041 U
Aroclor 1221	0.0079 U	0.0039 U	0.0039 U	0.0040 U	0.0050 U	0.0040 U	0.0041 U
Aroclor 1232	0.0079 U	0.0039 U	0.0039 U	0.0040 U	0.0050 U	0.0040 U	0.0041 U
Aroclor 1242	0.0079 U	***0.087***	***0.074***	***0.077***	***0.044***	***0.043***	***0.098***
Aroclor 1248	0.0079 U	0.0039 U	0.0039 U	0.0040 U	0.0050 U	0.0040 U	0.0041 U
Aroclor 1254	0.0079 U	0.0039 U	0.0039 U	0.0040 U	0.0050 U	0.0040 U	0.0041 U
Aroclor 1260	0.0079 U	0.0039 U	0.0039 U	0.0040 U	0.0050 U	0.0040 U	0.0041 U
Aroclor 1262	0.0079 U	0.0039 U	0.0039 U	0.0040 U	0.0050 U	0.0040 U	0.0041 U
Aroclor 1268	0.0079 U	0.0039 U	0.0039 U	0.0040 U	0.0050 U	0.0040 U	0.0041 U
Total PCBs (b)	***0.0079 U***	***0.087***	***0.074***	***0.077***	***0.044***	***0.043***	***0.098***

a/ PCBs = polychlorinated biphenyls; µg/m^3 = micrograms per cubic meter; U = analyte not detected.

b/ Total PCBs are the sum of detected individual Aroclor concentrations. Aroclors not detected (i.e., flagged "U") are assumed to not contribute to the total PCB concentration.

c/ Duplicate sample of PUF-17-062415.

Table 3

Indoor Air Sample Results After Final Cleaning - PCBs in Particulates
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California
June 24 through 26, 2015 (a)

Location:	Western Office Area	Northwest Portion of Warehouse	Northeast Portion of Warehouse		Southeast Portion of Warehouse	Southwest Portion of Warehouse	Inside Break Room
Sample ID:	QUARTZ-14-062415	QUARTZ-15-062415	QUARTZ-17-062415	QUARTZ-400-062415 (c)	QUARTZ-18-062415	QUARTZ-19-062415	QUARTZ-20-062415
Analyte ($\mu g/m^3$)							
Aroclor 1016	0.0040 U	0.0039 U	0.0078 U	0.0079 U	0.0099 U	0.0079 U	0.0082 U
Aroclor 1221	0.0040 U	0.0039 U	0.0078 U	0.0079 U	0.0099 U	0.0079 U	0.0082 U
Aroclor 1232	0.0040 U	0.0039 U	0.0078 U	0.0079 U	0.0099 U	0.0079 U	0.0082 U
Aroclor 1242	0.0040 U	0.0039 U	0.0078 U	0.0079 U	0.0099 U	0.0079 U	0.0082 U
Aroclor 1248	0.0040 U	0.0039 U	0.0078 U	0.0079 U	0.0099 U	0.0079 U	0.0082 U
Aroclor 1254	0.0040 U	0.0039 U	0.0078 U	0.0079 U	0.0099 U	0.0079 U	0.0082 U
Aroclor 1260	0.0040 U	0.0039 U	0.0078 U	0.0079 U	0.0099 U	0.0079 U	0.0082 U
Aroclor 1262	0.0040 U	0.0039 U	0.0078 U	0.0079 U	0.0099 U	0.0079 U	0.0082 U
Aroclor 1268	0.0040 U	0.0039 U	0.0078 U	0.0079 U	0.0099 U	0.0079 U	0.0082 U
Total PCBs (b)	***0.0040 U***	***0.0039 U***	***0.0078 U***	***0.0079 U***	***0.0099 U***	***0.0079 U***	***0.0082 U***

a/ PCBs = polychlorinated biphenyls; $\mu g/m^3$ = micrograms per cubic meter; U = analyte not detected.

b/ Total PCBs are the sum of detected individual Aroclor concentrations. Aroclors not detected (i.e., flagged "U") are assumed to not contribute to the total PCB concentration.

c/ Duplicate sample of QUARTZ-17-062415.

Table 4

Wipe Sample Results After Final Cleaning for High Frequency of Contact Areas
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	**WP-08**	**WP-09**	**WP-29**	**WP-30-POST SG**	**WP-62**	**WP-71**	**WP-72**	**WP-75**	**WP-76**	**WP-77**	**WP-MO-01**	**WP-MO-02**	**WP-52-POST**	**WP-53-POST**	**WP-93**
Feature:	East Window	Electrical Box	Column	Beam	Beam	Sheet Metal	Electrical Box	Pipe	Pipe	Column	Cabinet	Cabinet	Cabinet	Cabinet	Door
Height above Floor (ft):	7	2	unknown	4	4	unknown	6	3	5.5	1	5	5	3.5	5.5	3
Date:	3/26/2015	3/26/2015	4/7/2015	4/8/2015	4/28/2015	4/29/2015	4/29/2015	4/30/2015	4/30/2015	4/30/2015	5/1/2015	5/1/2015	5/1/2015	5/1/2015	5/2/2015
Analyte (µg/100 cm^2)															
Aroclor 1016	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1232	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1242	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1248	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1254	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1260	2.0 U	***2.2***	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1262	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1268	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total PCBs (b)	***2.0 U***	***2.2***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***

Sample ID:	**WP-94**	**WP-95**	**WP-96-POSTSG**	**WP-104**	**WP-105**	**WP-106**	**WP-107**	**WP-111**	**WP-112**	**WP-113**	**WP-116**	**WP-103-POST**	**WP-124**	**WP-128**
Feature:	Door	Pipe	Light Fixture	Stairs	Stairs	Railing	Sink Pipe	Column	West Wall	Floor Rail	Railing	Fence Post	HVAC Unit	Pipe
Height above Floor (ft):	2	unknown	8	5	2	3 (mezz. lev.)	2.5 (mezz. lev.)	3	6	0	4	5	3 (mezz. lev.)	2 (mezz. lev.)
Date:	5/2/2015	5/2/2015	5/5/2015	5/7/2015	5/7/2015	5/7/2015	5/7/2015	5/8/2015	5/8/2015	5/8/2015	5/8/2015	5/9/2015	5/9/2015	5/12/2015
Analyte (µg/100 cm^2)														
Aroclor 1016	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1232	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1242	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1248	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1254	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1260	2.0 U	***0.98 J***	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	***1.2 J***	2.0 U	***1.1 J***	2.0 U	2 U	***0.78 J***	2.0 U
Aroclor 1262	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1268	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total PCBs (b)	***2.0 U***	***0.98***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***1.2***	***2.0 U***	***1.1***	***2.0 U***	***2.0 U***	***0.78***	***2.0 U***

a/ High frequency of contact areas are wipe sample locations collected 8 feet or lower from the floor (excluding samples collected from ducts, drains, toe rails, and pits) and samples where the height above the floor was not specified in the field (i.e., "unknown").
PCBs = polychlorinated biphenyls; µg/100 cm^2 = micrograms per 100 square centimeters; ft = feet; U = analyte not detected; J = estimated concentration.

b/ Total PCBs are the sum of detected individual Aroclor concentrations. Aroclors not detected (i.e., flagged "U") are assumed to not contribute to the total PCB concentration.

Table 5

Wipe Sample Results After Final Cleaning for Low Frequency of Contact Areas
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	**WP-01**	**WP-02**	**WP-03**	**WP-04**	**WP-05**	**WP-06**	**WP-10**	**WP-11**	**WP-12**	**WP-13**	**WP-14**	**WP-15**
Feature:	East Wall	North Wall	Roll-up Door	Heating Unit	Crane Track	Light Fixture	Beam	Beam	Crane Track	Mobile Crane	Column	Beam
Height above Floor (ft):	29	26	27	13	27	near ceiling	near ceiling	31	22	~20	26	~20
Date:	3/25/2015	3/25/2015	3/25/2015	3/25/2015	3/25/2015	3/25/2015	3/26/2015	3/26/2015	3/27/2015	3/27/2015	3/27/2015	3/30/2015
Analyte (µg/100 cm^2)												
Aroclor 1016	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1232	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1242	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1248	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1254	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1260	2.0 U	***2.8***	***1.6 J***	2.0 U	***0.73 J***	2.0 U	2.0 U	***1.8 J***	***0.58 J***	2.0 U	***1.0 J***	2.0 U
Aroclor 1262	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1268	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total PCBs (b)	***2.0 U***	***2.8***	***1.6***	***2.0 U***	***0.73***	***2.0 U***	***2.0 U***	***1.8***	***0.58***	***2.0 U***	***1.0***	***2.0 U***

Sample ID:	**WP-16-POST**	**WP-17-POST**	**WP-18-POST SG**	**WP-19**	**WP-22**	**WP-23**	**WP-25**	**WP-26**	**WP-27**	**WP-28**	**WP-33**	**WP-34**
Feature:	Column	Duct	Column	Ceiling	Crane	Wall	Duct	Duct	Duct	Beam	Column	Pipe
Height above Floor (ft):	24	25	29	Ceiling	~20	13	22	22	Ceiling	~20	25	~20
Date:	3/31/2015	3/31/2015	4/2/2015	4/2/2015	4/6/2015	4/6/2015	4/6/2015	4/6/2015	4/7/2015	4/7/2015	4/9/2015	4/11/2015
Analyte (µg/100 cm^2)												
Aroclor 1016	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1232	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1242	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1248	***0.61 J***	2.0 U	***0.93 J***	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1254	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1260	***4.4***	***0.54 J***	***3.5***	2.0 U	2.0 U	***0.71 J***	***0.51 J***	***1.1 J***	***0.82 J***	***2.3***	2.0 U	2.0 U
Aroclor 1262	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1268	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total PCBs (b)	***5.01***	***0.54***	***4.43***	***2.0 U***	***2.0 U***	***0.71***	***0.51***	***1.1***	***0.82***	***2.3***	***2.0 U***	***2.0 U***

Table 5

Wipe Sample Results After Final Cleaning for Low Frequency of Contact Areas
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	**WP-35**	**WP-36**	**WP-37**	**WP-38**	**WP-42**	**WP-43**	**WP-44**	**WP-45**	**WP-46**	**WP-47**	**WP-48**	**WP-41POST**
Feature:	Light Fixture	Metal Plate	Beam	Divider Wall	Duct	Duct	Duct	Duct	Duct	Duct	Duct	Duct
Height above Floor (ft):	near ceiling	~20	~20	~25	Ceiling	Ceiling	~20	~20	~20	~25	~25	20
Date:	4/11/2015	4/13/2015	4/13/2015	4/13/2015	4/16/2015	4/16/2015	4/20/2015	4/20/2015	4/20/2015	4/20/2015	4/20/2015	4/23/2015
Analyte (µg/100 cm^2)												
Aroclor 1016	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1232	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1242	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1248	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1254	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1260	***0.73 J***	***2.3***	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	***0.65 J***	2.0 U	2.0 U
Aroclor 1262	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1268	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total PCBs (b)	***0.73***	***2.3***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***0.65***	***2.0 U***	***2.0 U***

Sample ID:	**WP-50**	**WP-51**	**WP-54**	**WP-55**	**WP-56**	**WP-57**	**WP-58**	**WP-59**	**WP-60**	**WP-61**	**WP-63**	**WP-64**
Feature:	Duct	Duct	Beam	Crane Beam	Column	Crane Track	Beam	Beam	Beam Plate	Pipe	Pipe	Crane Track
Height above Floor (ft):	20	25	30	~20	25	25	10	33	30	30	23	20
Date:	4/24/2015	4/24/2015	4/28/2015	4/28/2015	4/28/2015	4/28/2015	4/28/2015	4/28/2015	4/28/2015	4/28/2015	4/29/2015	4/29/2015
Analyte (µg/100 cm^2)												
Aroclor 1016	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1232	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1242	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1248	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	***0.59 J***	2.0 U
Aroclor 1254	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1260	***3.5***	2.0 U	2.0 U	***0.64 J***	***1.7 J***	2.0 U	***1.6 J***	2.0 U	2.0 U	2.0 U	***5.1***	2.0 U
Aroclor 1262	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1268	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total PCBs (b)	***3.5***	***2.0 U***	***2.0 U***	***0.64***	***1.7***	***2.0 U***	***1.6***	***2.0 U***	***2.0 U***	***2.0 U***	***5.69***	***2.0 U***

Table 5

Wipe Sample Results After Final Cleaning for Low Frequency of Contact Areas
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	**WP-65**	**WP-66**	**WP-67**	**WP-68**	**WP-69**	**WP-70**	**WP-73**	**WP-74**	**WP-78**	**WP-79**	**WP-80**	**WP-81**
Feature:	Sheet Metal	Beam	Light Fixture	Beam	Electrical Box	Ceiling	Crane Track	Column	Light Fixture	Beam	Column	Pipe
Height above Floor (ft):	~25	~25	near ceiling	20	19	Ceiling	20	25	near ceiling	~20	20	25
Date:	4/29/2015	4/29/2015	4/29/2015	4/29/2015	4/29/2015	4/29/2015	4/30/2015	4/30/2015	4/30/2015	4/30/2015	4/30/2015	4/30/2015
Analyte (µg/100 cm^2)												
Aroclor 1016	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1232	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1242	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1248	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1254	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1260	2.0 U	***3.2***	2.0 U	***0.75 J***	***0.54 J***	2.0 U	2.0 U	2.0 U	2.0 U	***0.67 J***	2.0 U	2.0 U
Aroclor 1262	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1268	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total PCBs (b)	***2.0 U***	***3.2***	***2.0 U***	***0.75***	***0.54***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***0.67***	***2.0 U***	***2.0 U***

Sample ID:	**WP-82**	**WP-83**	**WP-84**	**WP-85**	**WP-86**	**WP-IS-01**	**WP-87**	**WP-88**	**WP-89**	**WP-91**	**WP-92**	**WP-97**
Feature:	Pipe	Crane Track	Beam	Beam	Pipe	Light Fixture	Beam	Light Fixture	Beam	Crane Hoist	Crane Track	Pipe
Height above Floor (ft):	~25	~20	~20	25	~20	near ceiling	near ceiling	near ceiling	near ceiling	~20	20	~25
Date:	4/30/2015	4/30/2015	4/30/2015	4/30/2015	4/30/2015	4/30/2015	5/1/2015	5/1/2015	5/1/2015	5/1/2015	5/1/2015	5/5/2015
Analyte (µg/100 cm^2)												
Aroclor 1016	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1232	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1242	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1248	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1254	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1260	2.0 U	***0.69 J***	***0.74 J***	2.0 U	***0.64 J***	2.0 U	***1.9 J***	2.0 U	***0.81 J***	***1.8 J***	***5.7***	***1.1 J***
Aroclor 1262	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1268	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total PCBs (b)	***2.0 U***	***0.69***	***0.74***	***2.0 U***	***0.64***	***2.0 U***	***1.9***	***2.0 U***	***0.81***	***1.8***	***5.7***	***1.1***

Table 5

Wipe Sample Results After Final Cleaning for Low Frequency of Contact Areas
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	**WP-98**	**WP-99**	**WP-100**	**WP-101**	**WP-102**	**WP-108**	**WP-109**	**WP-110**	**WP-114**	**WP-115**	**WP-117**	**WP-118**
Feature:	Light Fixture	Light Fixture	Light Fixture	Pipe	Beam	North Wall	Light Fixture	Ceiling	North Wall	East Wall	East Wall	East Wall
Height above Floor (ft):	near ceiling	near ceiling	near ceiling	~25	23	16	near ceiling	Ceiling	13	12	30	27
Date:	5/6/2015	5/6/2015	5/6/2015	5/6/2015	5/6/2015	5/8/2015	5/8/2015	5/8/2015	5/8/2015	5/8/2015	5/8/2015	5/8/2015
Analyte (µg/100 cm^2)												
Aroclor 1016	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1232	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1242	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1248	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1254	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1260	2.0 U	***0.72 J***	2.0 U	***0.62 J***	2.0 U	2.0 U	2.0 U	***2.4***	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1262	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1268	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total PCBs (b)	***2.0 U***	***0.72***	***2.0 U***	***0.62***	***2.0 U***	***2.0 U***	***2.0 U***	***2.4***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***

Sample ID:	**WP-119**	**WP-120**	**WP-121**	**WP-122**	**WP-123**	**WP-125**	**FDWP-N213-E155**	**FDWP-N219-E146-1**	**WP-126-R**	**FDWP-N217-E202**	**FDWP-N197-E209**	**WP-129**
Feature:	East Wall	South Wall	West Wall	South Wall	North Wall	Toe Rail	Floor Drain	Floor Drain	Grate Top	Floor Drain	Floor Drain	Wall Beam
Height above Floor (ft):	12	17	10	24	21	0	0	0	0	0	0	10
Date:	5/8/2015	5/8/2015	5/8/2015	5/9/2015	5/9/2015	5/9/2015	5/12/2015	5/12/2015	5/12/2015	5/12/2015	5/12/2015	5/12/2015
Analyte (µg/100 cm^2)												
Aroclor 1016	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1232	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1242	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1248	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1254	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1260	2.0 U	***0.52 J***	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	***2.2***	***0.81 J***	***2.4***	2.0 U
Aroclor 1262	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1268	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total PCBs (b)	***2.0 U***	***0.52***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.2***	***0.81***	***2.4***	***2.0 U***

Table 5

Wipe Sample Results After Final Cleaning for Low Frequency of Contact Areas
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	**WP-130-R**	**WP-131**	**WP-132**	**WP-133-R**	**WP-134**	**WP-135**	**FDWP-N184-E265**	**FDWP-N278-E160-R**	**WP-127-R2**	**WP-136-R**	**WP-137-R**	**WP-138-R**
Feature:	Crane	Beam	Beam	Crane	Beam	South Wall	Floor Drain	Floor Drain	Grate Side	Crane	Crane	Crane
Height above Floor (ft):	~20	30	30	~20	20	18	0	0	0	~20	~20	~20
Date:	5/12/2015	5/12/2015	5/12/2015	5/12/2015	5/12/2015	5/13/2015	5/21/2015	5/21/2015	5/21/2015	5/21/2015	5/21/2015	5/21/2015
Analyte (µg/100 cm^2)												
Aroclor 1016	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1232	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1242	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1248	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1254	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1260	2.0 U	***0.62 J***	2.0 U	2.0 U	***0.78 J***	2.0 U	2.0 U	***0.67 J***	***2.4***	2.0 U	2.0 U	2.0 U
Aroclor 1262	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1268	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total PCBs (b)	***2.0 U***	***0.62***	***2.0 U***	***2.0 U***	***0.78***	***2.0 U***	***2.0 U***	***0.67***	***2.4***	***2.0 U***	***2.0 U***	***2.0 U***

Sample ID:	**WP-24-R**	**WP-90-R**	**WP-32-R**	**WP-139**	**WP-141**	**WP-142**
Feature:	Mobile Crane	Crane Hoist	Crane Track	Stairs (TP)	Ladder (TP)	Grate (TP)
Height above Floor (ft):	~20	~20	~20	Pit (below floor)	Pit (below floor)	Pit (below floor)
Date:	5/21/2015	5/21/2015	5/21/2015	5/22/2015	5/22/2015	5/22/2015
Analyte (µg/100 cm^2)						
Aroclor 1016	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1232	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1242	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1248	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1254	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1260	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	***1.0 J***
Aroclor 1262	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1268	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total PCBs (b)	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.0 U***	***1.0***

a/ Low contact frequency areas are wipe sample locations collected higher than 8 feet from the floor and samples collected from ducts, drains, pits, and toe rails.
PCBs = polychlorinated biphenyls; µg/100 cm^2 = micrograms per 100 square centimeters; ft = feet; U = analyte not detected; J = estimated concentration.
b/ Total PCBs are the sum of detected individual Aroclor concentrations. Aroclors not detected (i.e., flagged "U") are assumed to not contribute to the total PCB concentration.

Table 6

Bulk Sample Results After Final Cleaning - Transformer Pit Floor and Walls and Northeast Loading Dock Walls
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	**CC-TPSW-01**	**CC-TPWW-01**	**CC-N370-E240**	**CC-N310-E240**	**CC-N330-E238**	**CC-N350-E240**	**CC-TP-EW-01**	**CC-TPNW-01**	**CC-LDNE-EW01**	**CC-LDNE-WW01**	**CC-LDNE-SW01**	**CC-TPEW-02**	**CC-TPWW-02**
Type:	wall	wall	concrete floor	concrete floor	concrete floor	concrete floor	wall	wall	wall	wall	wall	wall	wall
Location:	Transformer Pit	Transformer Pit	Transformer Pit	Transformer Pit	Transformer Pit	Transformer Pit	Transformer Pit	Transformer Pit	NE Loading Dock	NE Loading Dock	NE Loading Dock	Transformer Pit	Transformer Pit
Date:	4/13/2015	4/13/2015	4/14/2015	4/14/2015	4/14/2015	4/14/2015	4/14/2015	4/14/2015	4/16/2015	4/16/2015	4/16/2015	5/1/2015	5/1/2015
Analyte (mg/kg)													
Aroclor 1016	0.99 U	1.0 U	1.0 U	10 U	4.1 U	20 U	2.0 U	0.2 U	1.0 U	20 U	140 U	0.97 U	390 U
Aroclor 1221	0.99 U	1.0 U	1.0 U	10 U	4.1 U	20 U	2.0 U	0.2 U	1.0 U	20 U	140 U	0.97 U	390 U
Aroclor 1232	0.99 U	1.0 U	1.0 U	10 U	4.1 U	20 U	2.0 U	0.2 U	1.0 U	20 U	140 U	0.97 U	390 U
Aroclor 1242	0.99 U	1.0 U	1.0 U	10 U	4.1 U	***14 J***	***1.1 J***	***0.44***	1.0 U	20 U	140 U	0.97 U	390 U
Aroclor 1248	***3.4***	***2.0***	1.0 U	***55***	***60***	20 U	2.0 U	0.2 U	1.0 U	20 U	140 U	***0.83 J***	390 U
Aroclor 1254	0.99 U	1.0 U	1.0 U	10 U	4.1 U	20 U	2.0 U	0.2 U	1.0 U	20 U	140 U	0.97 U	390 U
Aroclor 1260	***1.3***	***1.9***	***510***	***41***	***27***	***300***	***14***	***1.9***	***2.2***	***62***	***390***	***3.1***	***4,500***
Aroclor 1262	0.99 U	1.0 U	1.0 U	10 U	4.1 U	20 U	2.0 U	0.2 U	1.0 U	20 U	140 U	0.97 U	390 U
Aroclor 1268	0.99 U	1.0 U	1.0 U	10 U	4.1 U	20 U	2.0 U	0.2 U	1.0 U	20 U	140 U	0.97 U	390 U
Total PCBs (b)	***4.7***	***3.9***	***510***	***96***	***87***	***314***	***15.1***	***2.34***	***2.2***	***62***	***390***	***3.93***	***4,500***

a/ PCBs = polychlorinated biphenyls; mg/kg = milligrams per kilogram; U = analyte not detected; J = estimated concentration.

b/ Total PCBs are the sum of detected individual Aroclor concentrations. Aroclors not detected (i.e., flagged "U") are assumed to not contribute to the total PCB concentration.

Table 7

Bulk Sample Results After Final Cleaning - Building Walls
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	CC-EW-01	CC-NW-01	CC-SELD-01	CC-SELD-02	CC-EW-02	CC-SELD-03	CC-WW-01	CC-EW-03	CC-EW-05	CC-WW-02	CC-WW-03	CC-BREW-01	CC-EW-04	CC-OSEW-01
Type:	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall
Date:	3/26/2015	3/27/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/14/2015	4/14/2015	4/14/2015
Analyte (mg/kg)														
Aroclor 1016	0.2 U	0.2 U	0.2 U	0.2 U	3.9 U	0.2 U	2.0 U	1.0 U	0.2 U	1.0 U	0.2 U	0.98 U	0.97 U	1.0 U
Aroclor 1221	0.2 U	0.2 U	0.2 U	0.2 U	3.9 U	0.2 U	2.0 U	1.0 U	0.2 U	1.0 U	0.2 U	0.98 U	0.97 U	1.0 U
Aroclor 1232	0.2 U	0.2 U	0.2 U	0.2 U	3.9 U	0.2 U	2.0 U	1.0 U	0.2 U	1.0 U	0.2 U	0.98 U	0.97 U	1.0 U
Aroclor 1242	0.2 U	0.2 U	0.2 U	0.2 U	3.9 U	***0.16 J***	***0.73 J***	***0.82 J***	***0.13 J***	***0.58 J***	***0.17 J***	***1.0***	0.97 U	***0.97 J***
Aroclor 1248	0.2 U	0.2 U	0.2 U	0.2 U	***17***	0.2 U	2.0 U	1.0 U	0.2 U	1.0 U	0.2 U	9.8 U	0.97 U	1.0 U
Aroclor 1254	0.2 U	0.2 U	0.2 U	***0.11 J***	3.9 U	0.2 U	2.0 U	1.0 U	0.2 U	1.0 U	0.2 U	9.8 U	0.97 U	1.0 U
Aroclor 1260	***1.2***	***1.2***	***0.28***	0.2 U	***34***	***2.2***	***4.1***	***2.7***	***1.7***	***2.5***	***1.2***	***2.8***	***2.2***	***2.4***
Aroclor 1262	0.2 U	0.2 U	0.2 U	0.2 U	3.9 U	0.2 U	2.0 U	1.0 U	0.2 U	1.0 U	0.2 U	9.8 U	0.97 U	1.0 U
Aroclor 1268	0.2 U	0.2 U	0.2 U	0.2 U	3.9 U	0.2 U	2.0 U	1.0 U	0.2 U	1.0 U	0.2 U	9.8 U	0.97 U	1.0 U
Total PCBs (b)	***1.2***	***1.2***	***0.28***	***0.11***	***51***	***2.36***	***4.83***	***3.52***	***1.83***	***3.08***	***1.37***	***3.8***	***2.2***	***3.37***

Sample ID:	CC-OSEW-02	CC-NW-04	CC-WW-04	CC-WW-06	CC-WW-07	CC-WW-09	CC-WW-05	CC-WW-08	CC-NW-05	CC-SRNW-01	CC-SRSW-01	CC-SRWW-01	CC-CREW-01	CC-DUP-10 (c)
Type:	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall
Date:	4/14/2015	4/17/2015	4/17/2015	4/17/2015	4/17/2015	4/17/2015	4/17/2015	4/17/2015	4/21/2015	5/1/2015	5/1/2015	5/1/2015	5/1/2015	5/1/2015
Analyte (mg/kg)														
Aroclor 1016	0.4 U	0.96 U	0.26 U	0.2 U	0.2 U	0.2 U	0.2 U	210 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Aroclor 1221	0.4 U	0.96 U	0.26 U	0.2 U	0.2 U	0.2 U	0.2 U	210 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Aroclor 1232	0.4 U	0.96 U	0.26 U	0.2 U	0.2 U	0.2 U	0.2 U	210 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Aroclor 1242	***0.28 J***	0.96 U	0.26 U	***0.22***	***0.14 J***	***0.11 J***	***0.49***	***0.15 J***	***0.12 J***	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Aroclor 1248	0.4 U	0.96 U	0.26 U	0.2 U	0.2 U	0.2 U	0.2 U	210 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Aroclor 1254	0.4 U	0.96 U	0.26 U	***0.92***	0.2 U	0.2 U	0.2 U	210 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Aroclor 1260	***0.57***	***1.7***	***0.45***	0.2 U	***0.81***	***0.85***	***1.0***	***0.42***	***0.58***	***0.39***	***0.25***	***0.56***	***0.41***	***0.47***
Aroclor 1262	0.4 U	0.96 U	0.26 U	0.2 U	0.2 U	0.2 U	0.2 U	210 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Aroclor 1268	0.4 U	0.96 U	0.26 U	0.2 U	0.2 U	0.2 U	0.2 U	210 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Total PCBs (b)	***0.85***	***1.7***	***0.45***	***1.14***	***0.95***	***0.96***	***1.49***	***0.57***	***0.70***	***0.39***	***0.25***	***0.56***	***0.41***	***0.47***

Sample ID:	CC-CRNW-01	CC-CRSW-01	CC-CRSW-02	CC-CRWW-01	CC-CRWW-02	CC-SREW-01	CC-BREW-03	CC-BRWW-01	CC-OSNW-01	CC-OSWW-01	CC-DUP-11 (d)	CC-OSWW-02	CC-BRMEW-02	CC-BRMSW-01
Type:	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall
Date:	5/1/2015	5/1/2015	5/1/2015	5/1/2015	5/1/2015	5/1/2015	5/2/2015	5/2/2015	5/2/2015	5/2/2015	5/2/2015	5/2/2015	5/5/2015	5/5/2015
Analyte (mg/kg)														
Aroclor 1016	0.99 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.99 U	0.99 U
Aroclor 1221	0.99 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.99 U	0.99 U
Aroclor 1232	0.99 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.99 U	0.99 U
Aroclor 1242	0.99 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.99 U	0.99 U
Aroclor 1248	0.99 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	***0.39***	***0.58***	***0.41***	0.2 U	0.2 U	0.2 U	***0.78 J***	***0.58 J***
Aroclor 1254	0.99 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.99 U	0.99 U
Aroclor 1260	***2.9***	***5.4***	***0.47***	***0.16 J***	***0.32***	***0.57***	***1.0***	***1.0***	***0.76***	***0.078 J***	***0.073 J***	***0.085 J***	***1.8***	***1.7***
Aroclor 1262	0.99 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.99 U	0.99 U
Aroclor 1268	0.99 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.99 U	0.99 U
Total PCBs (b)	***2.9***	***5.4***	***0.47***	***0.16***	***0.32***	***0.57***	***1.39***	***1.58***	***1.17***	***0.078***	***0.073***	***0.085***	***2.58***	***2.28***

Table 7

Bulk Sample Results After Final Cleaning - Building Walls
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	CC-BRMWW-02	CC-BRMWW-01	CC-OSWW-03	CC-BRWW-02	CC-BRMEW-01	CC-DUP-12 (e)	CC-BRWW-04	CC-BRWW-03	CC-BRNW-01	CC-BRMNW-01	CC-OSSW-01	CC-OSMNW-01	CC-BREW-02	CC-NW-03
Type:	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall
Date:	5/5/2015	5/5/2015	5/5/2015	5/5/2015	5/6/2015	5/6/2015	5/6/2015	5/6/2015	5/6/2015	5/6/2015	5/7/2015	5/7/2015	5/12/2015	5/12/2015
Analyte (mg/kg)														
Aroclor 1016	0.19 U	0.2 U	0.2 U	0.23 U	1.0 U	0.97 U	0.2 U	0.97 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor 1221	0.19 U	0.2 U	0.2 U	0.23 U	1.0 U	0.97 U	0.2 U	0.97 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor 1232	0.19 U	0.2 U	0.2 U	0.23 U	1.0 U	0.97 U	0.2 U	0.97 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor 1242	0.19 U	0.2 U	0.2 U	0.23 U	1.0 U	0.97 U	0.2 U	0.97 U	1.0 U	0.2 U	0.2 U	0.2 U	***0.22***	***0.14 J***
Aroclor 1248	***0.52***	***0.6***	***0.082 J***	***0.15 J***	***1.0***	***0.95 J***	***0.17 J***	***0.9 J***	***0.9 J***	***0.42***	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor 1254	0.19 U	0.2 U	0.2 U	0.23 U	1.0 U	0.97 U	0.2 U	0.97 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor 1260	***0.9***	***1.4***	***0.21***	***0.42***	***2.6***	***2.1***	***0.54***	***2.3***	***2.1***	***0.96***	***0.3***	***0.14 J***	***1.1***	***0.96***
Aroclor 1262	0.19 U	0.2 U	0.2 U	0.23 U	1.0 U	0.97 U	0.2 U	0.97 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor 1268	0.19 U	0.2 U	0.2 U	0.23 U	1.0 U	0.97 U	0.2 U	0.97 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total PCBs (b)	***1.42***	***2.0***	***0.292***	***0.57***	***3.6***	***3.05***	***0.71***	***3.2***	***3.0***	***1.38***	***0.3***	***0.14***	***1.32***	***1.1***

Sample ID:	CC-BREW-04	CC-BRSW-01	CC-NW-02	CC-OSEW-03	CC-SW-03	CC-WW-10	CC-SWLD-01	CC-SWLD-02	CC-DUP-14 (f)	CC-SW-01	CC-SW-02
Type:	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall	wall
Date:	5/12/2015	5/12/2015	5/13/2015	5/13/2015	5/14/2015	5/14/2015	5/14/2015	5/14/2015	5/14/2015	5/14/2015	5/14/2015
Analyte (mg/kg)											
Aroclor 1016	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Aroclor 1221	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Aroclor 1232	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Aroclor 1242	***0.35***	0.2 U	***0.69***	***0.095 J***	0.2 U	***0.11 J***	***0.11 J***	0.19 U	***0.068 J***	0.2 U	0.2 U
Aroclor 1248	0.2 U	0.2 U	0.19 U	0.2 U	***0.057 J***	0.2 U	0.2 U	0.19 U	0.2 U	***0.082 J***	***0.28***
Aroclor 1254	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Aroclor 1260	***1.2***	***0.61***	***1.0***	***0.46***	***0.63***	***0.58***	***0.44***	***0.66***	***0.51***	***0.29***	***1.2***
Aroclor 1262	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Aroclor 1268	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Total PCBs (b)	***1.55***	***0.61***	***1.69***	***0.555***	***0.687***	***0.69***	***0.55***	***0.66***	***0.578***	***0.372***	***1.48***

a/ PCBs = polychlorinated biphenyls; mg/kg = milligrams per kilogram; U = analyte not detected; J = estimated concentration.
b/ Total PCBs are the sum of detected individual Aroclor concentrations. Aroclors not detected (i.e., flagged "U") are assumed to not contribute to the total PCB concentration.
c/ Duplicate sample of CC-CREW-01.
d/ Duplicate sample of CC-OSWW-01.
e/ Duplicate sample of CC-BRMEW-01.
f/ Duplicate sample of CC-SWLD-02.

Table 8

Bulk Floor Sample Results After Final Cleaning - North of Grid Line N220
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	CC-N310-E260	CC-N350-E220	CC-270-E260	CC-N270-E240	CC-290-E240	CC-N290-E260	CC-N310-E220	CC-N230-E220	CC-N230-E240	CC-N250-E220	CC-N250-E240	CC-N250-E260	CC-N230-E260	CC-N250-E180
Type:	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	3/27/2015	3/27/2015	3/28/2015	3/28/2015	3/28/2015	3/28/2015	3/28/2015	3/30/2015	3/30/2015	3/30/2015	3/30/2015	3/30/2015	3/31/2015	4/7/2015
Analyte (mg/kg)														
Aroclor 1016	10 U	1.0 U	10 U	20 U	20 U	4.1 U	2.0 U	0.2 U	2.0 U	0.98 U	2.0 U	2.0 U	1.0 U	4.0 U
Aroclor 1221	10 U	1.0 U	10 U	20 U	20 U	4.1 U	2.0 U	0.2 U	2.0 U	0.98 U	2.0 U	2.0 U	1.0 U	4.0 U
Aroclor 1232	10 U	1.0 U	10 U	20 U	20 U	4.1 U	2.0 U	0.2 U	2.0 U	0.98 U	2.0 U	2.0 U	1.0 U	4.0 U
Aroclor 1242	10 U	1.0 U	10 U	20 U	20 U	4.1 U	2.0 U	0.2 U	2.0 U	0.98 U	2.0 U	2.0 U	1.0 U	4.0 U
Aroclor 1248	10 U	***1.3***	***42***	20 U	20 U	4.1 U	***5.8***	0.2 U	2.0 U	0.98 U	2.0 U	2.0 U	1.0 U	4.0 U
Aroclor 1254	10 U	1.0 U	10 U	20 U	20 U	4.1 U	2.0 U	0.2 U	2.0 U	0.98 U	2.0 U	2.0 U	1.0 U	4.0 U
Aroclor 1260	***41***	***5.2***	***42***	***110***	***84***	***21***	***5.6***	***1.2***	***14***	***6.4***	***18***	***17***	***8.6***	***21***
Aroclor 1262	10 U	1.0 U	10 U	20 U	20 U	4.1 U	2.0 U	0.2 U	2.0 U	0.98 U	2.0 U	2.0 U	1.0 U	4.0 U
Aroclor 1268	10 U	1.0 U	10 U	20 U	20 U	4.1 U	2.0 U	0.2 U	2.0 U	0.98 U	2.0 U	2.0 U	1.0 U	4.0 U
Total PCBs (b)	***41***	***6.5***	***84***	***110***	***84***	***21***	***11.4***	***1.2***	***14***	***6.4***	***18***	***17***	***8.6***	***21***

Sample ID:	CC-N270-E180	CC-N270-E200	CC-N330-E220	CC-N350-E260	CC-N370-E220	CC-N250-E200	CC-N330-E245	CC-N310-E236	CC-N346-E235	CC-N230-E180	CC-N230-E200	CC-E57-N230	CC-E77-N270	CC-E57-N250
Type:	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/8/2015	4/8/2015	4/14/2015	4/14/2015	4/14/2015
Analyte (mg/kg)														
Aroclor 1016	20 U	20 U	2.1 U	0.2 U	2.0 U	2.0 U	20 U	0.2 U	1.0 U	4.0 U	4.1 U	2.0 U	9.8 U	20 U
Aroclor 1221	20 U	20 U	2.1 U	0.2 U	2.0 U	2.0 U	20 U	0.2 U	1.0 U	4.0 U	4.1 U	2.0 U	9.8 U	20 U
Aroclor 1232	20 U	20 U	2.1 U	0.2 U	2.0 U	2.0 U	20 U	0.2 U	1.0 U	4.0 U	4.1 U	2.0 U	9.8 U	20 U
Aroclor 1242	20 U	20 U	2.1 U	0.2 U	2.0 U	2.0 U	20 U	0.2 U	***1.7***	4.0 U	4.1 U	***1.1 J***	9.8 U	20 U
Aroclor 1248	20 U	20 U	2.1 U	***0.12 J***	2.0 U	2.0 U	20 U	***0.68***	1.0 U	4.0 U	4.1 U	2.0 U	***72***	20 U
Aroclor 1254	20 U	20 U	2.1 U	0.2 U	2.0 U	2.0 U	20 U	0.2 U	1.0 U	4.0 U	4.1 U	2.0 U	9.8 U	20 U
Aroclor 1260	***72***	***60***	***7.8***	***0.27***	***8.9***	***12***	***81***	***0.83***	***3.6***	***21***	***14***	***12***	***51***	***150***
Aroclor 1262	20 U	20 U	2.1 U	0.2 U	2.0 U	2.0 U	20 U	0.2 U	1.0 U	4.0 U	4.1 U	2.0 U	9.8 U	20 U
Aroclor 1268	20 U	20 U	2.1 U	0.2 U	2.0 U	2.0 U	20 U	0.2 U	1.0 U	4.0 U	4.1 U	2.0 U	9.8 U	20 U
Total PCBs (b)	***72***	***60***	***7.8***	***0.39***	***8.9***	***12***	***81***	***1.51***	***5.3***	***21***	***14***	***13.1***	***123***	***150***

Sample ID:	CC-E57-N270	CC-E77-N230	CC-E77-N250	CC-DUP-05 (c)	CC-E100-N250	CC-E100-N270	CC-E120-N230	CC-E120-N270	CC-E140-N230	CC-E140-N270	CC-E100-N230	CC-E120-N250	CC-E140-N250
Type:	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	4/14/2015	4/14/2015	4/14/2015	4/14/2015	4/21/2015	4/21/2015	4/21/2015	4/21/2015	4/21/2015	4/21/2015	4/21/2015	4/21/2015	4/21/2015
Analyte (mg/kg)													
Aroclor 1016	10 U	2.0 U	2.0 U	2.0 U	20 U	2.0 U	2.0 U	1.0 U	1.0 U	2.1 U	1.9 U	3.9 U	1.0 U
Aroclor 1221	10 U	2.0 U	2.0 U	2.0 U	20 U	2.0 U	2.0 U	1.0 U	1.0 U	2.1 U	1.9 U	3.9 U	1.0 U
Aroclor 1232	10 U	2.0 U	2.0 U	2.0 U	20 U	2.0 U	2.0 U	1.0 U	1.0 U	2.1 U	1.9 U	3.9 U	1.0 U
Aroclor 1242	10 U	2.0 U	***2.2***	2.0 U	20 U	2.0 U	2.0 U	1.0 U	1.0 U	2.1 U	***1.5 J***	***3.5 J***	1.0 U
Aroclor 1248	***35***	2.0 U	2.0 U	***3.5***	***190***	***7.2***	2.0 U	***2.9***	1.0 U	***2.8***	1.9 U	3.9 U	1.0 U
Aroclor 1254	10 U	2.0 U	2.0 U	2.0 U	20 U	2.0 U	2.0 U	1.0 U	1.0 U	2.1 U	1.9 U	3.9 U	1.0 U
Aroclor 1260	***9.5 J***	***5.7***	***12***	***8.7***	***20***	***8.3***	***7.8***	***6.1***	***3.7***	***15***	***9.8***	***20***	***2.4***
Aroclor 1262	10 U	2.0 U	2.0 U	2.0 U	20 U	2.0 U	2.0 U	1.0 U	1.0 U	2.1 U	1.9 U	3.9 U	1.0 U
Aroclor 1268	10 U	2.0 U	2.0 U	2.0 U	20 U	2.0 U	2.0 U	1.0 U	1.0 U	2.1 U	1.9 U	3.9 U	1.0 U
Total PCBs (b)	***44.5***	***5.7***	***14.2***	***12.2***	***210***	***15.5***	***7.8***	***9***	***3.7***	***17.8***	***11.3***	***23.5***	***2.4***

Table 8

Bulk Floor Sample Results After Final Cleaning - North of Grid Line N220
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	CC-N290-E180	CC-DUP-09 (d)	CC-N290-E208	CC-N310-E180	CC-N315-E208	CC-E160-N270	CC-E160-N250	CC-E160-N230	CC-N300-E190-R	CC-N270-E222	CC-N290-E220	CC-N370-E245
Type:	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	5/1/2015	5/1/2015	5/1/2015	5/1/2015	5/1/2015	5/12/2015	5/12/2015	5/12/2015	5/13/2015	5/13/2015	5/13/2015	4/7/2015
Analyte (mg/kg)												
Aroclor 1016	4.0 U	4.0 U	0.2 U	10 U	20 U	0.2 U	4.0 U	2.0 U	4.0 U	9.7 U	0.99 U	20 U
Aroclor 1221	4.0 U	4.0 U	0.2 U	10 U	20 U	0.2 U	4.0 U	2.0 U	4.0 U	9.7 U	0.99 U	20 U
Aroclor 1232	4.0 U	4.0 U	0.2 U	10 U	20 U	0.2 U	4.0 U	2.0 U	4.0 U	9.7 U	0.99 U	20 U
Aroclor 1242	4.0 U	4.0 U	0.2 U	10 U	20 U	0.2 U	4.0 U	2.0 U	4.0 U	9.7 U	0.99 U	20 U
Aroclor 1248	4.0 U	4.0 U	0.2 U	10 U	20 U	0.2 U	4.0 U	2.0 U	4.0 U	9.7 U	0.99 U	20 U
Aroclor 1254	4.0 U	4.0 U	0.2 U	10 U	20 U	0.2 U	4.0 U	2.0 U	4.0 U	9.7 U	0.99 U	20 U
Aroclor 1260	***27***	***28***	***1***	***45***	***60***	***1.2***	***25***	***11***	***25***	***36***	***4.8***	***130***
Aroclor 1262	4.0 U	4.0 U	0.2 U	10 U	20 U	0.2 U	4.0 U	2.0 U	4.0 U	9.7 U	0.99 U	20 U
Aroclor 1268	4.0 U	4.0 U	0.2 U	10 U	20 U	0.2 U	4.0 U	2.0 U	4.0 U	9.7 U	0.99 U	20 U
Total PCBs (b)	***27***	***28***	***1***	***45***	***60***	***1.2***	***25***	***11***	***25***	***36***	***4.8***	***130***

a/ PCBs = polychlorinated biphenyls; mg/kg = miligrams per kilogram; U = analyte not detected; J = estimated concentration.
b/ Total PCBs are the sum of detected individual Aroclor concentrations. Aroclors not detected (i.e., flagged "U") are assumed to not contribute to the total PCB concentration.
c/ Duplicate sample of CC-E77-N250.
d/ Duplicate sample of CC-N290-E180.

Table 9

Bulk Floor Sample Results After Final Cleaning - South of Grid Line N220 and Mezzanine Area
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	CC-N190-E220	CC-N190-E240	CC-N210-E220	CC-N210-E240	CC-N213-E262	CC-N170-E240	CC-DUP-01 (c)	CC-N170-E220	CC-N170-E260	CC-N110-E220	CC-N130-E240	CC-N134-E220	CC-N150-E220
Type	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	3/31/2015	3/31/2015	3/31/2015	3/31/2015	3/31/2015	4/1/2015	4/1/2015	4/1/2015	4/1/2015	4/1/2015	4/1/2015	4/1/2015	4/1/2015
Analyte (mg/kg)													
Aroclor 1016	1.0 U	1.0 U	0.98 U	1.0 U	0.2 U	2.0 U	2.0 U	1.0 U	0.2 U	2.0 U	2.0 U	0.2 U	2.0 U
Aroclor 1221	1.0 U	1.0 U	0.98 U	1.0 U	0.2 U	2.0 U	2.0 U	1.0 U	0.2 U	2.0 U	2.0 U	0.2 U	2.0 U
Aroclor 1232	1.0 U	1.0 U	0.98 U	1.0 U	0.2 U	2.0 U	2.0 U	1.0 U	0.2 U	2.0 U	2.0 U	0.2 U	2.0 U
Aroclor 1242	1.0 U	***0.45 J***	0.98 U	1.0 U	***0.073 J***	2.0 U	2.0 U	1.0 U	***0.12 J***	2.0 U	2.0 U	***0.066 J***	2.0 U
Aroclor 1248	***3.4***	1.0 U	0.98 U	1.0 U	0.2 U	2.0 U	2.0 U	***1.5***	0.2 U	2.0 U	2.0 U	0.2 U	2.0 U
Aroclor 1254	1.0 U	1.0 U	0.98 U	1.0 U	0.2 U	2.0 U	2.0 U	1.0 U	0.2 U	2.0 U	2.0 U	0.2 U	2.0 U
Aroclor 1260	***10***	***5.5***	***12***	***6.2***	***3***	***17***	***17***	***5***	***0.51***	***11***	***15***	***1.3***	***9.1***
Aroclor 1262	1.0 U	1.0 U	0.98 U	1.0 U	0.2 U	2.0 U	2.0 U	1.0 U	0.2 U	2.0 U	2.0 U	0.2 U	2.0 U
Aroclor 1268	1.0 U	1.0 U	0.98 U	1.0 U	0.2 U	2.0 U	2.0 U	1.0 U	0.2 U	2.0 U	2.0 U	0.2 U	2.0 U
Total PCBs (b)	***13.4***	***5.95***	***12***	***6.2***	***3.073***	***17***	***17***	***6.5***	***0.63***	***11***	***15***	***1.366***	***9.1***

Sample ID:	CC-N150-E240	CC-N150-E260	CC-N190-E262	CC-N110-E260	CC-N130-E240	CC-N130-E260	CC-N90-E260	CC-N30-E221	CC-N50-E240	CC-N50-E260	CC-N70-E220	CC-N70-E240	CC-N70-E260	CC-N90-E221
Type:	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	4/1/2015	4/1/2015	4/1/2015	4/2/2015	4/2/2015	4/2/2015	4/2/2015	4/3/2015	4/3/2015	4/3/2015	4/3/2015	4/3/2015	4/3/2015	4/3/2015
Analyte (mg/kg)														
Aroclor 1016	0.96 U	0.2 U	0.19 U	2.0 U	1.9 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.2 U	1.9 U	0.2 U	1.9 U
Aroclor 1221	0.96 U	0.2 U	0.19 U	2.0 U	1.9 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.2 U	1.9 U	0.2 U	1.9 U
Aroclor 1232	0.96 U	0.2 U	0.19 U	2.0 U	1.9 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.2 U	1.9 U	0.2 U	1.9 U
Aroclor 1242	0.96 U	0.2 U	0.19 U	2.0 U	1.9 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.2 U	1.9 U	0.2 U	1.9 U
Aroclor 1248	0.96 U	0.2 U	0.19 U	2.0 U	1.9 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.2 U	1.9 U	0.2 U	1.9 U
Aroclor 1254	0.96 U	0.2 U	0.19 U	2.0 U	1.9 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.2 U	1.9 U	0.2 U	1.9 U
Aroclor 1260	***4.9***	***0.56***	***0.32***	***16***	***9.5***	***8.4***	***9.3***	***9.9***	***8.7***	***8***	***0.81***	***7.6***	***1.1***	***11***
Aroclor 1262	0.96 U	0.2 U	0.19 U	2.0 U	1.9 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.2 U	1.9 U	0.2 U	1.9 U
Aroclor 1268	0.96 U	0.2 U	0.19 U	2.0 U	1.9 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.2 U	1.9 U	0.2 U	1.9 U
Total PCBs (b)	***4.9***	***0.56***	***0.32***	***16***	***9.5***	***8.4***	***9.3***	***9.9***	***8.7***	***8***	***0.81***	***7.6***	***1.1***	***11***

Sample ID:	CC-N90-E240	CC-N10-E221	CC-N50-E220	CC-N10-E240	CC-N10-E260	CC-N30-E235	CC-N30-E260	CC-N190-E180	CC-N190-E200	CC-N210-E200	CC-DUP-02 (d)	CC-N50-E200	CC-N210-E180	CC-N130-E200
Type:	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	4/3/2015	4/3/2015	4/3/2015	4/4/2015	4/4/2015	4/4/2015	4/4/2015	4/8/2015	4/8/2015	4/8/2015	4/8/2015	4/8/2015	4/8/2015	4/9/2015
Analyte (mg/kg)														
Aroclor 1016	0.98 U	0.99 U	0.2 U	0.2 U	0.99 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	0.2 U	1.0 U	0.21 U
Aroclor 1221	0.98 U	0.99 U	0.2 U	0.2 U	0.99 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	0.2 U	1.0 U	0.21 U
Aroclor 1232	0.98 U	0.99 U	0.2 U	0.2 U	0.99 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	0.2 U	1.0 U	0.21 U
Aroclor 1242	0.98 U	0.99 U	0.2 U	0.2 U	0.99 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	0.2 U	1.0 U	0.21 U
Aroclor 1248	0.98 U	0.99 U	0.2 U	0.2 U	0.99 U	2.0 U	2.0 U	***0.39 J***	***0.62 J***	2.0 U	2.0 U	0.2 U	1.0 U	0.21 U
Aroclor 1254	0.98 U	0.99 U	0.2 U	0.2 U	0.99 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	0.2 U	1.0 U	0.21 U
Aroclor 1260	***4.9***	***2.5***	***0.54***	***1.1***	***2.2***	***7***	***11***	***3.6***	***6.2***	***8.3***	***11***	***0.98***	***4.5***	***0.27***
Aroclor 1262	0.98 U	0.99 U	0.2 U	0.2 U	0.99 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	0.2 U	1.0 U	0.21 U
Aroclor 1268	0.98 U	0.99 U	0.2 U	0.2 U	0.99 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	0.2 U	1.0 U	0.21 U
Total PCBs (b)	***4.9***	***2.5***	***0.54***	***1.1***	***2.2***	***7***	***11***	***3.99***	***6.82***	***8.3***	***11***	***0.98***	***4.5***	***0.27***

Table 9

Bulk Floor Sample Results After Final Cleaning - South of Grid Line N220 and Mezzanine Area
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	CC-N150-E180	CC-N150-E200	CC-N170-E180	CC-N50-E180	CC-DUP-03 (e)	CC-N170-E200	CC-N110-E180	CC-N110-E200	CC-N90-E180	CC-N130-E180	CC-DUP-04 (f)	CC-N90-E200	CC-N30-E181	CC-N70-E180
Type:	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	4/9/2015	4/9/2015	4/9/2015	4/9/2015	4/9/2015	4/9/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/10/2015	4/11/2015	4/11/2015
Analyte (mg/kg)														
Aroclor 1016	2.0 U	2.0 U	1.0 U	1.0 U	0.99 U	0.99 U	2.0 U	0.2 U	2.0 U	0.99 U	0.99 U	0.2 U	0.2 U	1.0 U
Aroclor 1221	2.0 U	2.0 U	1.0 U	1.0 U	0.99 U	0.99 U	2.0 U	0.2 U	2.0 U	0.99 U	0.99 U	0.2 U	0.2 U	1.0 U
Aroclor 1232	2.0 U	2.0 U	1.0 U	1.0 U	0.99 U	0.99 U	2.0 U	0.2 U	2.0 U	0.99 U	0.99 U	0.2 U	0.2 U	1.0 U
Aroclor 1242	2.0 U	2.0 U	1.0 U	1.0 U	0.99 U	0.99 U	2.0 U	0.2 U	2.0 U	0.99 U	0.99 U	0.2 U	***0.068 J***	1.0 U
Aroclor 1248	2.0 U	2.0 U	1.0 U	1.0 U	0.99 U	0.99 U	2.0 U	0.2 U	2.0 U	0.99 U	0.99 U	0.2 U	0.2 U	1.0 U
Aroclor 1254	2.0 U	2.0 U	1.0 U	1.0 U	0.99 U	0.99 U	2.0 U	0.2 U	2.0 U	0.99 U	0.99 U	0.2 U	0.2 U	1.0 U
Aroclor 1260	***7.3***	***6.3***	***3.1***	***1.9***	***2.1***	***3***	***13***	***0.61***	***6.8***	***3.3***	***3.9***	***0.41***	***1.4***	***2***
Aroclor 1262	2.0 U	2.0 U	1.0 U	1.0 U	0.99 U	0.99 U	2.0 U	0.2 U	2.0 U	0.99 U	0.99 U	0.2 U	0.2 U	1.0 U
Aroclor 1268	2.0 U	2.0 U	1.0 U	1.0 U	0.99 U	0.99 U	2.0 U	0.2 U	2.0 U	0.99 U	0.99 U	0.2 U	0.2 U	1.0 U
Total PCBs (b)	***7.3***	***6.3***	***3.1***	***1.9***	***2.1***	***3***	***13***	***0.61***	***6.8***	***3.3***	***3.9***	***0.41***	***1.468***	***2***

Sample ID:	CC-N10-E180	CC-N10-E200	CC-N30-E200	CC-N70-E200	CC-E60-N150	CC-E60-N190	CC-E60-N210	CC-E80-N150	CC-E80-N190	CC-E80-N210	CC-E60-N170	CC-E80-N170	CC-E60-N110	CC-E60-N90
Type:	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	4/11/2015	4/11/2015	4/11/2015	4/11/2015	4/15/2015	4/15/2015	4/15/2015	4/15/2015	4/15/2015	4/15/2015	4/15/2015	4/15/2015	4/16/2015	4/16/2015
Analyte (mg/kg)														
Aroclor 1016	0.99 U	0.2 U	1.0 U	2.0 U	0.98 U	1.0 U	9.8 U	1.0 U	4.0 U	2.0 U	20 U	1.0 U	3.9 U	1.0 U
Aroclor 1221	0.99 U	0.2 U	1.0 U	2.0 U	0.98 U	1.0 U	9.8 U	1.0 U	4.0 U	2.0 U	20 U	1.0 U	3.9 U	1.0 U
Aroclor 1232	0.99 U	0.2 U	1.0 U	2.0 U	0.98 U	1.0 U	9.8 U	1.0 U	4.0 U	2.0 U	20 U	1.0 U	3.9 U	1.0 U
Aroclor 1242	0.99 U	0.2 U	1.0 U	2.0 U	0.98 U	***0.58 J***	9.8 U	1.0 U	***1.7 J***	***1.1 J***	20 U	1.0 U	3.9 U	1.0 U
Aroclor 1248	0.99 U	0.2 U	1.0 U	2.0 U	0.98 U	1.0 U	***58***	1.0 U	4.0 U	2.0 U	20 U	1.0 U	***29***	1.0 U
Aroclor 1254	0.99 U	0.2 U	1.0 U	2.0 U	0.98 U	1.0 U	9.8 U	1.0 U	4.0 U	2.0 U	20 U	1.0 U	3.9 U	1.0 U
Aroclor 1260	***3***	***2.7***	***5***	***5.1***	***2.2***	***5.3***	***4.1 J***	***3.6***	***18***	***7.3***	***130***	***1.9***	***2.9 J***	***1.7***
Aroclor 1262	0.99 U	0.2 U	1.0 U	2.0 U	0.98 U	1.0 U	9.8 U	1.0 U	4.0 U	2.0 U	20 U	1.0 U	3.9 U	1.0 U
Aroclor 1268	0.99 U	0.2 U	1.0 U	2.0 U	0.98 U	1.0 U	9.8 U	1.0 U	4.0 U	2.0 U	20 U	1.0 U	3.9 U	1.0 U
Total PCBs (b)	***3***	***2.7***	***5***	***5.1***	***2.2***	***5.88***	***62.1***	***3.6***	***19.7***	***8.4***	***130***	***1.9***	***31.9***	***1.7***

Sample ID:	CC-E80-N110	CC-E80-N130	CC-E60-N130	CC-E80-N90	CC-E60-N70	CC-DUP-06 (g)	CC-E60-N30	CC-E60-N50	CC-E80-N30	CC-E80-N50	CC-E80-N70	CC-E60-N10	CC-E80-N10	CC-E120-N190
Type:	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	4/16/2015	4/16/2015	4/16/2015	4/16/2015	4/16/2015	4/16/2015	4/17/2015	4/17/2015	4/17/2015	4/17/2015	4/17/2015	4/18/2015	4/18/2015	4/21/2015
Analyte (mg/kg)														
Aroclor 1016	1.0 U	1.0 U	0.99 U	0.2 U	0.2 U	0.21 U	0.99 U	0.99 U	0.28 U	0.99 U	0.2 U	1.0 U	0.98 U	2.0 U
Aroclor 1221	1.0 U	1.0 U	0.99 U	0.2 U	0.2 U	0.21 U	0.99 U	0.99 U	0.28 U	0.99 U	0.2 U	1.0 U	0.98 U	2.0 U
Aroclor 1232	1.0 U	1.0 U	0.99 U	0.2 U	0.2 U	0.21 U	0.99 U	0.99 U	0.28 U	0.99 U	0.2 U	1.0 U	0.98 U	2.0 U
Aroclor 1242	***0.97 J***	1.0 U	0.99 U	0.2 U	0.2 U	0.21 U	0.99 U	***0.37 J***	0.28 U	0.99 U	0.2 U	1.0 U	0.98 U	2.0 U
Aroclor 1248	1.0 U	1.0 U	0.99 U	0.2 U	0.2 U	0.21 U	0.99 U	0.99 U	0.28 U	0.99 U	0.2 U	1.0 U	0.98 U	2.0 U
Aroclor 1254	1.0 U	1.0 U	0.99 U	0.2 U	0.2 U	0.21 U	0.99 U	0.99 U	0.28 U	0.99 U	0.2 U	1.0 U	0.98 U	2.0 U
Aroclor 1260	***3.1***	***1.3***	***1.5***	***0.19 J***	***0.5***	***0.37***	***2.5***	***4.7***	***0.93***	***2.7***	***0.76***	***3.3***	***1.5***	***6.5***
Aroclor 1262	1.0 U	1.0 U	0.99 U	0.2 U	0.2 U	0.21 U	0.99 U	0.99 U	0.28 U	0.99 U	0.2 U	1.0 U	0.98 U	2.0 U
Aroclor 1268	1.0 U	1.0 U	0.99 U	0.2 U	0.2 U	0.21 U	0.99 U	0.99 U	0.28 U	0.99 U	0.2 U	1.0 U	0.98 U	2.0 U
Total PCBs (b)	***4.07***	***1.3***	***1.5***	***0.19***	***0.5***	***0.37***	***2.5***	***5.07***	***0.93***	***2.7***	***0.76***	***3.3***	***1.5***	***6.5***

Table 9

Bulk Floor Sample Results After Final Cleaning - South of Grid Line N220 and Mezzanine Area
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	CC-E120-N210	CC-E140-N170	CC-E140-N190	CC-E140-N210	CC-E100-N190	CC-E100-N210	CC-E100-N170	CC-E120-N170	CC-E100-N150	CC-E100-N90	CC-E120-N110	CC-E140-N130	CC-E100-N110	CC-E100-N130
Type:	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	4/21/2015	4/21/2015	4/21/2015	4/21/2015	4/21/2015	4/21/2015	4/22/2015	4/22/2015	4/22/2015	4/22/2015	4/22/2015	4/22/2015	4/22/2015	4/22/2015
Analyte (mg/kg)														
Aroclor 1016	2.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	0.2 U	2.0 U	3.9 U	0.2 U	0.2 U	1.0 U	0.18 U	0.2 U
Aroclor 1221	2.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	0.2 U	2.0 U	3.9 U	0.2 U	0.2 U	1.0 U	0.18 U	0.2 U
Aroclor 1232	2.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	0.2 U	2.0 U	3.9 U	0.2 U	0.2 U	1.0 U	0.18 U	0.2 U
Aroclor 1242	2.0 U	1.0 U	1.0 U	***1.1 J***	***0.61 J***	1.0 U	***0.18 J***	2.0 U	3.9 U	0.2 U	0.2 U	1.0 U	0.18 U	0.2 U
Aroclor 1248	2.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	0.2 U	2.0 U	3.9 U	***0.64***	0.2 U	1.0 U	***0.25***	***0.11 J***
Aroclor 1254	2.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	0.2 U	2.0 U	3.9 U	0.2 U	0.2 U	1.0 U	0.18 U	0.2 U
Aroclor 1260	***8.9***	***3.1***	***2.5***	***3.9***	***1.7***	***1.3***	***0.52***	***4.8***	***12***	***0.56***	***0.93***	***3.1***	***1***	***0.41***
Aroclor 1262	2.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	0.2 U	2.0 U	3.9 U	0.2 U	0.2 U	1.0 U	0.18 U	0.2 U
Aroclor 1268	2.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	0.2 U	2.0 U	3.9 U	0.2 U	0.2 U	1.0 U	0.18 U	0.2 U
Total PCBs (b)	***8.9***	***3.1***	***2.5***	***5***	***2.31***	***1.3***	***0.7***	***4.8***	***12***	***1.2***	***0.93***	***3.1***	***1.25***	***0.52***

Sample ID:	CC-E120-N130	CC-E120-N150	CC-E120-N90	CC-E140-N110	CC-E140-N150	CC-E140-N10	CC-E140-N30	CC-E140-N50	CC-E140-N70	CC-E100-N10	CC-E100-N30	CC-E100-N50	CC-DUP-08 (h)	CC-E100-N70
Type:	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	4/22/2015	4/22/2015	4/22/2015	4/22/2015	4/22/2015	4/23/2015	4/23/2015	4/23/2015	4/23/2015	4/23/2015	4/23/2015	4/23/2015	4/23/2015	4/23/2015
Analyte (mg/kg)														
Aroclor 1016	0.38 U	0.95 U	0.19 U	0.93 U	1.9 U	0.19 U	0.2 U	0.19 U	0.97 U	0.2 U	0.19 U	0.19 U	0.19 U	0.18 U
Aroclor 1221	0.38 U	0.95 U	0.19 U	0.93 U	1.9 U	0.19 U	0.2 U	0.19 U	0.97 U	0.2 U	0.19 U	0.19 U	0.19 U	0.18 U
Aroclor 1232	0.38 U	0.95 U	0.19 U	0.93 U	1.9 U	0.19 U	0.2 U	0.19 U	0.97 U	0.2 U	0.19 U	0.19 U	0.19 U	0.18 U
Aroclor 1242	0.38 U	0.95 U	***0.53***	0.93 U	1.9 U	0.19 U	0.2 U	0.19 U	0.97 U	0.2 U	0.19 U	0.19 U	0.19 U	***0.36***
Aroclor 1248	0.38 U	0.95 U	0.19 U	0.93 U	1.9 U	0.19 U	0.2 U	0.19 U	***0.49 J***	0.2 U	***0.062 J***	0.19 U	0.19 U	0.18 U
Aroclor 1254	0.38 U	0.95 U	0.19 U	0.93 U	1.9 U	0.19 U	0.2 U	0.19 U	0.97 U	0.2 U	0.19 U	0.19 U	0.19 U	0.18 U
Aroclor 1260	***0.86***	***5.1***	***1.4***	***3.1***	***14***	***0.15 J***	***0.44***	***0.88***	***1.2***	***0.11 J***	***0.35***	***0.33***	***0.084 J***	***0.98***
Aroclor 1262	0.38 U	0.95 U	0.19 U	0.93 U	1.9 U	0.19 U	0.2 U	0.19 U	0.97 U	0.2 U	0.19 U	0.19 U	0.19 U	0.18 U
Aroclor 1268	0.38 U	0.95 U	0.19 U	0.93 U	1.9 U	0.19 U	0.2 U	0.19 U	0.97 U	0.2 U	0.19 U	0.19 U	0.19 U	0.18 U
Total PCBs (b)	***0.86***	***5.1***	***1.93***	***3.1***	***14***	***0.15***	***0.44***	***0.88***	***1.69***	***0.11***	***0.412***	***0.33***	***0.084***	***1.34***

Sample ID:	CC-E120-N10	CC-E120-N30	CC-E120-N50	CC-E120-N70	CC-E140-N90	CC-E160-N50	CC-DUP-07 (i)	CC-E160-N10	CC-E160-N150	CC-E160-N190	CC-E160-N210	CC-E160-N30	CC-E160-N70
Type:	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	4/23/2015	4/23/2015	4/23/2015	4/23/2015	4/23/2015	4/23/2015	4/23/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
Analyte (mg/kg)													
Aroclor 1016	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	2.0 U	1.0 U	9.9 U	0.2 U	0.2 U
Aroclor 1221	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	2.0 U	1.0 U	9.9 U	0.2 U	0.2 U
Aroclor 1232	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	2.0 U	1.0 U	9.9 U	0.2 U	0.2 U
Aroclor 1242	0.2 U	0.2 U	0.2 U	***0.29***	***0.33***	0.2 U	0.2 U	0.2 U	2.0 U	1.0 U	9.9 U	0.2 U	0.2 U
Aroclor 1248	0.2 U	0.2 U	***0.2***	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	2.0 U	1.0 U	9.9 U	0.2 U	0.2 U
Aroclor 1254	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	2.0 U	1.0 U	9.9 U	0.2 U	0.2 U
Aroclor 1260	***0.19 J***	***0.49***	***0.64***	***1.3***	***2.9***	***0.37***	***0.25***	***0.072 J***	***8.5***	***2.3***	***56***	***0.41***	***0.92***
Aroclor 1262	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	2.0 U	1.0 U	9.9 U	0.2 U	0.2 U
Aroclor 1268	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	2.0 U	1.0 U	9.9 U	0.2 U	0.2 U
Total PCBs (b)	***0.19***	***0.49***	***0.84***	***1.59***	***3.23***	***0.37***	***0.25***	***0.072***	***8.5***	***2.3***	***56***	***0.41***	***0.92***

Table 9

Bulk Floor Sample Results After Final Cleaning - South of Grid Line N220 and Mezzanine Area
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	**CC-N170-E160-M**	**CC-N147-E160-M**	**CC-N190-E160-M**	**CC-N128-E160-M**	**CC-N110-E160-M**	**CC-DUP-13 (j)**	**CC-N90-E190-M**	**CC-N168-E160**	**CC-N130-E158**	**CC-N110-E160**	**CC-N89-E160**
Type:	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
Date:	5/6/2015	5/6/2015	5/6/2015	5/7/2015	5/7/2015	5/7/2015	5/7/2015	5/12/2015	5/14/2015	5/14/2015	5/14/2015
Analyte (mg/kg)											
Aroclor 1016	1.0 U	0.98 U	0.99 U	0.19 U	0.2 U	0.2 U	0.97 U	0.2 U	0.19 U	0.2 U	0.2 U
Aroclor 1221	1.0 U	0.98 U	0.99 U	0.19 U	0.2 U	0.2 U	0.97 U	0.2 U	0.19 U	0.2 U	0.2 U
Aroclor 1232	1.0 U	0.98 U	0.99 U	0.19 U	0.2 U	0.2 U	0.97 U	0.2 U	0.19 U	0.2 U	0.2 U
Aroclor 1242	1.0 U	0.98 U	0.99 U	0.19 U	***0.12 J***	***0.11 J***	0.97 U	0.2 U	***0.41***	***0.47***	***0.36***
Aroclor 1248	***0.61 J***	0.98 U	***0.33 J***	0.19 U	0.2 U	0.2 U	0.97 U	0.2 U	0.19 U	0.2 U	0.2 U
Aroclor 1254	1.0 U	0.98 U	0.99 U	0.19 U	0.2 U	0.2 U	0.97 U	0.2 U	0.19 U	0.2 U	0.2 U
Aroclor 1260	***5.7***	***2.7***	***3.5***	***0.18 J***	***1.3***	***0.99***	***2.3***	***0.54***	***0.3***	***0.96***	***1.3***
Aroclor 1262	1.0 U	0.98 U	0.99 U	0.19 U	0.2 U	0.2 U	0.97 U	0.2 U	0.19 U	0.2 U	0.2 U
Aroclor 1268	1.0 U	0.98 U	0.99 U	0.19 U	0.2 U	0.2 U	0.97 U	0.2 U	0.19 U	0.2 U	0.2 U
Total PCBs (b)	***6.31***	***2.7***	***3.83***	***0.18***	***1.42***	***1.1***	***2.3***	***0.54***	***0.71***	***1.43***	***1.66***

a/ PCBs = polychlorinated biphenyls; mg/kg = milligrams per kilogram; U = analyte not detected; J = estimated concentration.
b/ Total PCBs are the sum of detected individual Aroclor concentrations. Aroclors not detected (i.e., flagged "U") are assumed to not contribute to the total PCB concentration.
c/ Duplicate sample of CC-N170-E240.
d/ Duplicate sample of CC-N210-E200.
e/ Duplicate sample of CC-N50-E180.
f/ Duplicate sample of CC-N130-E180.
g/ Duplicate sample of CC-E60-N70.
h/ Duplicate sample of CC-E100-N50.
i/ Duplicate sample of CC-E160-N5.
j/ Duplicate sample of CC-N110-E160-M.

Table 10

Bulk Dust Sample Results from HVAC System in Western Office Area
Former Westinghouse Apparatus Repair Facility
Rancho Dominguez, California (a)

Sample ID:	**HVACBK-01**	**BK-MO-01**
Type:	bulk dust	bulk dust
Date:	4/13/2015	4/30/2015
Analyte (mg/kg)		
Aroclor 1016	0.77 U	0.48 U
Aroclor 1221	0.77 U	0.48 U
Aroclor 1232	0.77 U	0.48 U
Aroclor 1242	***0.36 J***	***2.2***
Aroclor 1248	0.77 U	0.48 U
Aroclor 1254	0.77 U	0.48 U
Aroclor 1260	***3.4***	***1.7***
Aroclor 1262	0.77 U	0.48 U
Aroclor 1268	0.77 U	0.48 U
Total PCBs (b)	***3.76***	***3.9***

a/ PCB = polychlorinated biphenyls; mg/kg = milligrams per kilogram; U = analyte not detected; J = estimated concentration.

b/ Total PCBs are the sum of detected individual Aroclor concentrations. Aroclors not detected (i.e., flagged "U") are assumed to not contribute to the total PCB concentration.

ENCLOSURES

Enclosure A - Indoor Air Results After Final Cleaning - PCBs in Vapors

(All concentrations in micrograms per cubic meter)

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	10/29/2015 10:57:07 AM
From File	Compton - Air.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

TotalPCBs-AIR

General Statistics

Total Number of Observations	6	Number of Distinct Observations	6
Number of Detects	5	Number of Non-Detects	1
Number of Distinct Detects	5	Number of Distinct Non-Detects	1
Minimum Detect	0.043	Minimum Non-Detect	0.0079
Maximum Detect	0.098	Maximum Non-Detect	0.0079
Variance Detects	6.3170E-4	Percent Non-Detects	16.67%
Mean Detects	0.0698	SD Detects	0.0251
Median Detects	0.077	CV Detects	0.36
Skewness Detects	-0.224	Kurtosis Detects	-2.733
Mean of Logged Detects	-2.72	SD of Logged Detects	0.389

Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest. For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012). Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.0

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.872	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.762	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.248	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.396	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.0595	Standard Error of Mean	0.0141
SD	0.0309	95% KM (BCA) UCL	0.08
95% KM (t) UCL	0.0879	95% KM (Percentile Bootstrap) UCL	0.0783
95% KM (z) UCL	0.0827	95% KM Bootstrap t UCL	0.0795
90% KM Chebyshev UCL	0.102	95% KM Chebyshev UCL	0.121
97.5% KM Chebyshev UCL	0.147	99% KM Chebyshev UCL	0.2

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.499	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.679	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.277	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.358	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	8.841	k star (bias corrected MLE)	3.67
Theta hat (MLE)	0.0079	Theta star (bias corrected MLE)	0.019
nu hat (MLE)	88.41	nu star (bias corrected)	36.7
MLE Mean (bias corrected)	0.0698	MLE Sd (bias corrected)	0.0364

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	3.712	nu hat (KM)	44.54
Approximate Chi Square Value (44.54, α)	30.23	Adjusted Chi Square Value (44.54, β)	26.05
95% Gamma Approximate KM-UCL (use when n>=50)	0.0876	95% Gamma Adjusted KM-UCL (use when n<50)	0.102

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.0174	Mean	0.0611
Maximum	0.098	Median	0.0605
SD	0.031	CV	0.508
k hat (MLE)	3.583	k star (bias corrected MLE)	1.903
Theta hat (MLE)	0.017	Theta star (bias corrected MLE)	0.0321
nu hat (MLE)	42.99	nu star (bias corrected)	22.83
MLE Mean (bias corrected)	0.0611	MLE Sd (bias corrected)	0.0443
		Adjusted Level of Significance (β)	0.0122
Approximate Chi Square Value (22.83, α)	12.96	Adjusted Chi Square Value (22.83, β)	10.38
95% Gamma Approximate UCL (use when n>=50)	0.108	95% Gamma Adjusted UCL (use when n<50)	0.134

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.839	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.762	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.256	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.396	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.0624	Mean in Log Scale	-2.879
SD in Original Scale	0.0289	SD in Log Scale	0.522
95% t UCL (assumes normality of ROS data)	0.0862	95% Percentile Bootstrap UCL	0.0802
95% BCA Bootstrap UCL	0.08	95% Bootstrap t UCL	0.0874
95% H-UCL (Log ROS)	0.121		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	-3.073	95% H-UCL (KM -Log)	0.265
KM SD (logged)	0.852	95% Critical H Value (KM-Log)	3.63
KM Standard Error of Mean (logged)	0.389		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.0588	Mean in Log Scale	-3.189
SD in Original Scale	0.035	SD in Log Scale	1.2
95% t UCL (Assumes normality)	0.0877	95% H-Stat UCL	1.128

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.0879	95% KM (Percentile Bootstrap) UCL	0.0783

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Enclosure B - Wipe Samples for High Frequency of Contact Areas

(All concentrations in micrograms per 100 square centimeters)

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	10/30/2015 11:37:27 AM
From File	PCBs in Wipes (High Freq).xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

WipesHigh

General Statistics

Total Number of Observations	29	Number of Distinct Observations	6
Number of Detects	5	Number of Non-Detects	24
Number of Distinct Detects	5	Number of Distinct Non-Detects	1
Minimum Detect	0.78	Minimum Non-Detect	2
Maximum Detect	2.2	Maximum Non-Detect	2
Variance Detects	0.305	Percent Non-Detects	82.76%
Mean Detects	1.252	SD Detects	0.553
Median Detects	1.1	CV Detects	0.441
Skewness Detects	1.786	Kurtosis Detects	3.576
Mean of Logged Detects	0.159	SD of Logged Detects	0.387

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.814	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.762	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.337	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.396	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.056	Standard Error of Mean	0.0956
SD	0.265	95% KM (BCA) UCL	1.209
95% KM (t) UCL	1.219	95% KM (Percentile Bootstrap) UCL	1.222
95% KM (z) UCL	1.213	95% KM Bootstrap t UCL	1.233
90% KM Chebyshev UCL	1.343	95% KM Chebyshev UCL	1.473
97.5% KM Chebyshev UCL	1.653	99% KM Chebyshev UCL	2.007

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.437	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.68	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.299	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.358	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	7.825	k star (bias corrected MLE)	3.263
Theta hat (MLE)	0.16	Theta star (bias corrected MLE)	0.384
nu hat (MLE)	78.25	nu star (bias corrected)	32.63
MLE Mean (bias corrected)	1.252	MLE Sd (bias corrected)	0.693

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	15.84	nu hat (KM)	918.7
Approximate Chi Square Value (918.70, α)	849.4	Adjusted Chi Square Value (918.70, β)	845.4
95% Gamma Approximate KM-UCL (use when n>=50)	1.142	95% Gamma Adjusted KM-UCL (use when n<50)	1.147

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.467	Mean	1.08
Maximum	2.2	Median	1.039
SD	0.38	CV	0.351
k hat (MLE)	8.769	k star (bias corrected MLE)	7.885
Theta hat (MLE)	0.123	Theta star (bias corrected MLE)	0.137
nu hat (MLE)	508.6	nu star (bias corrected)	457.3
MLE Mean (bias corrected)	1.08	MLE Sd (bias corrected)	0.385
		Adjusted Level of Significance (β)	0.0407
Approximate Chi Square Value (457.31, α)	408.7	Adjusted Chi Square Value (457.31, β)	406
95% Gamma Approximate UCL (use when n>=50)	1.209	95% Gamma Adjusted UCL (use when n<50)	1.217

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.909	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.762	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.276	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.396	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.084	Mean in Log Scale	0.035
SD in Original Scale	0.348	SD in Log Scale	0.303
95% t UCL (assumes normality of ROS data)	1.194	95% Percentile Bootstrap UCL	1.197
95% BCA Bootstrap UCL	1.203	95% Bootstrap t UCL	1.216
95% H-UCL (Log ROS)	1.203		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	0.0294	95% H-UCL (KM -Log)	1.131
KM SD (logged)	0.214	95% Critical H Value (KM-Log)	1.758
KM Standard Error of Mean (logged)	0.0922		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.043	Mean in Log Scale	0.0275
SD in Original Scale	0.23	SD in Log Scale	0.159
95% t UCL (Assumes normality)	1.116	95% H-Stat UCL	1.096

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	1.219	95% KM (Percentile Bootstrap) UCL	1.222

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Enclosure C - Wipe Samples for Low Frequency of Contact Areas

(All concentrations in micrograms per 100 square centimeters)

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	10/30/2015 11:45:44 AM
From File	PCBs in Wipes (Low Freq).xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

TotalPCBsWipesLow

General Statistics

Total Number of Observations	114	Number of Distinct Observations	34
Number of Detects	46	Number of Non-Detects	68
Number of Distinct Detects	33	Number of Distinct Non-Detects	1
Minimum Detect	0.51	Minimum Non-Detect	2
Maximum Detect	5.7	Maximum Non-Detect	2
Variance Detects	1.897	Percent Non-Detects	59.65%
Mean Detects	1.618	SD Detects	1.377
Median Detects	0.91	CV Detects	0.851
Skewness Detects	1.696	Kurtosis Detects	2.362
Mean of Logged Detects	0.202	SD of Logged Detects	0.72

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.753	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.945	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.233	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.131	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	1.197	Standard Error of Mean	0.107
SD	0.986	95% KM (BCA) UCL	1.385
95% KM (t) UCL	1.375	95% KM (Percentile Bootstrap) UCL	1.375
95% KM (z) UCL	1.373	95% KM Bootstrap t UCL	1.404
90% KM Chebyshev UCL	1.519	95% KM Chebyshev UCL	1.665
97.5% KM Chebyshev UCL	1.868	99% KM Chebyshev UCL	2.266

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	2.378	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.762	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.225	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.132	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.939	k star (bias corrected MLE)	1.827
Theta hat (MLE)	0.834	Theta star (bias corrected MLE)	0.886
nu hat (MLE)	178.4	nu star (bias corrected)	168.1
MLE Mean (bias corrected)	1.618	MLE Sd (bias corrected)	1.197

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	1.473	nu hat (KM)	335.9
Approximate Chi Square Value (335.92, α)	294.4	Adjusted Chi Square Value (335.92, β)	294
95% Gamma Approximate KM-UCL (use when n>=50)	1.365	95% Gamma Adjusted KM-UCL (use when n<50)	1.368

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1.209
Maximum	5.7	Median	0.837
SD	1.066	CV	0.881
k hat (MLE)	1.224	k star (bias corrected MLE)	1.198
Theta hat (MLE)	0.988	Theta star (bias corrected MLE)	1.01
nu hat (MLE)	279.1	nu star (bias corrected)	273.1
MLE Mean (bias corrected)	1.209	MLE Sd (bias corrected)	1.105
		Adjusted Level of Significance (β)	0.0479
Approximate Chi Square Value (273.10, α)	235.8	Adjusted Chi Square Value (273.10, β)	235.4
95% Gamma Approximate UCL (use when n>=50)	1.401	95% Gamma Adjusted UCL (use when n<50)	1.403

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.88	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.945	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.211	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.131	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.239	Mean in Log Scale	5.3913E-4
SD in Original Scale	0.989	SD in Log Scale	0.622
95% t UCL (assumes normality of ROS data)	1.392	95% Percentile Bootstrap UCL	1.401
95% BCA Bootstrap UCL	1.412	95% Bootstrap t UCL	1.422
95% H-UCL (Log ROS)	1.358		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.249	Mean in Log Scale	0.0813
SD in Original Scale	0.921	SD in Log Scale	0.465
95% t UCL (Assumes normality)	1.392	95% H-Stat UCL	1.309

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use			
95% KM (t) UCL	1.375	95% KM (% Bootstrap) UCL	1.375

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Enclosure D - PCBs in Bulk Samples - Transformer Pit and NE Loading Dock

(All concentrations in milligrams per kilogram)

UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	10/30/2015 9:53:54 AM
From File	Bulk Transformer Pit and NE Loading Dock.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BulkTPNELoad

General Statistics

Total Number of Observations	13	Number of Distinct Observations	13
		Number of Missing Observations	0
Minimum	2.2	Mean	460.9
Maximum	4500	Median	62
SD	1225	Std. Error of Mean	339.9
Coefficient of Variation	2.659	Skewness	3.487

Normal GOF Test

Shapiro Wilk Test Statistic	0.416	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.866	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.407	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.246	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	1067	95% Adjusted-CLT UCL (Chen-1995)	1371
		95% Modified-t UCL (Johnson-1978)	1121

Gamma GOF Test

A-D Test Statistic	0.881	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.836	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.203	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.257	Detected data appear Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.286	k star (bias corrected MLE)	0.271
Theta hat (MLE)	1611	Theta star (bias corrected MLE)	1698
nu hat (MLE)	7.438	nu star (bias corrected)	7.055
MLE Mean (bias corrected)	460.9	MLE Sd (bias corrected)	884.7
		Approximate Chi Square Value (0.05)	2.201
Adjusted Level of Significance	0.0301	Adjusted Chi Square Value	1.835

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50)	1477	95% Adjusted Gamma UCL (use when n<50)	1772

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.917	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.866	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.194	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.246	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	0.788	Mean of logged Data	3.704
Maximum of Logged Data	8.412	SD of logged Data	2.459

Assuming Lognormal Distribution

95% H-UCL	50768	90% Chebyshev (MVUE) UCL	1428
95% Chebyshev (MVUE) UCL	1872	97.5% Chebyshev (MVUE) UCL	2489
99% Chebyshev (MVUE) UCL	3699		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	1020	95% Jackknife UCL	1067
95% Standard Bootstrap UCL	1001	95% Bootstrap-t UCL	4130
95% Hall's Bootstrap UCL	3088	95% Percentile Bootstrap UCL	1117
95% BCA Bootstrap UCL	1528		
90% Chebyshev(Mean, Sd) UCL	1480	95% Chebyshev(Mean, Sd) UCL	1942
97.5% Chebyshev(Mean, Sd) UCL	2583	99% Chebyshev(Mean, Sd) UCL	3843

Suggested UCL to Use

95% Adjusted Gamma UCL	1772

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

Enclosure E - PCBs in Bulk Samples - Building Walls

(All concentrations in milligrams per kilogram)

UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	10/30/2015 10:19:47 AM
From File	Bulk Wall.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BulkWall

General Statistics

Total Number of Observations	63	Number of Distinct Observations	59
		Number of Missing Observations	0
Minimum	0.078	Mean	2.105
Maximum	51	Median	1.1
SD	6.354	Std. Error of Mean	0.801
Coefficient of Variation	3.018	Skewness	7.583

Normal GOF Test

Shapiro Wilk Test Statistic	0.248	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.375	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.112	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	3.442	95% Adjusted-CLT UCL (Chen-1995)	4.239
		95% Modified-t UCL (Johnson-1978)	3.569

Gamma GOF Test

A-D Test Statistic	3.097	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.792	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.161	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.117	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.751	k star (bias corrected MLE)	0.726
Theta hat (MLE)	2.804	Theta star (bias corrected MLE)	2.901
nu hat (MLE)	94.6	nu star (bias corrected)	91.43
MLE Mean (bias corrected)	2.105	MLE Sd (bias corrected)	2.471
		Approximate Chi Square Value (0.05)	70.38
Adjusted Level of Significance	0.0462	Adjusted Chi Square Value	69.95

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	2.735	95% Adjusted Gamma UCL (use when n<50)	2.752

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.967	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	0.217	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0708	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.112	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	-2.551	Mean of logged Data	-0.0528
Maximum of Logged Data	3.932	SD of logged Data	1.095

Assuming Lognormal Distribution

95% H-UCL	2.371	90% Chebyshev (MVUE) UCL	2.559
95% Chebyshev (MVUE) UCL	2.947	97.5% Chebyshev (MVUE) UCL	3.486
99% Chebyshev (MVUE) UCL	4.544		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	3.422	95% Jackknife UCL	3.442
95% Standard Bootstrap UCL	3.426	95% Bootstrap-t UCL	8.218
95% Hall's Bootstrap UCL	8.622	95% Percentile Bootstrap UCL	3.655
95% BCA Bootstrap UCL	4.614		
90% Chebyshev(Mean, Sd) UCL	4.507	95% Chebyshev(Mean, Sd) UCL	5.595
97.5% Chebyshev(Mean, Sd) UCL	7.105	99% Chebyshev(Mean, Sd) UCL	10.07

Suggested UCL to Use

95% H-UCL	2.371

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.
H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.
It is therefore recommended to avoid the use of H-statistic based 95% UCLs.
Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Enclosure F - PCBs in Bulk Samples - Floor North of Grid Line N220

(All concentrations in milligrams per kilogram)

UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	10/30/2015 10:37:20 AM
From File	Bulk Floor Data North of Gridline N220.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BulkFloorNGridlineN220

General Statistics

Total Number of Observations	51	Number of Distinct Observations	43
		Number of Missing Observations	0
Minimum	0.39	Mean	34.25
Maximum	210	Median	15.5
SD	44.24	Std. Error of Mean	6.195
Coefficient of Variation	1.292	Skewness	2.133

Normal GOF Test

Shapiro Wilk Test Statistic	0.722	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	5.204E-12	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.269	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.124	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	44.63	95% Adjusted-CLT UCL (Chen-1995)	46.41
		95% Modified-t UCL (Johnson-1978)	44.94

Gamma GOF Test

A-D Test Statistic	0.753	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.792	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.134	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.129	Data Not Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.764	k star (bias corrected MLE)	0.733
Theta hat (MLE)	44.8	Theta star (bias corrected MLE)	46.75
nu hat (MLE)	77.97	nu star (bias corrected)	74.72
MLE Mean (bias corrected)	34.25	MLE Sd (bias corrected)	40.01
		Approximate Chi Square Value (0.05)	55.81
Adjusted Level of Significance	0.0453	Adjusted Chi Square Value	55.34

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50)	45.85	95% Adjusted Gamma UCL (use when n<50)	46.24

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.971	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	0.404	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0726	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.124	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	-0.942	Mean of logged Data	2.752
Maximum of Logged Data	5.347	SD of logged Data	1.391

Assuming Lognormal Distribution

95% H-UCL	70.86	90% Chebyshev (MVUE) UCL	70.02
95% Chebyshev (MVUE) UCL	83.69	97.5% Chebyshev (MVUE) UCL	102.7
99% Chebyshev (MVUE) UCL	139.9		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	44.44	95% Jackknife UCL	44.63
95% Standard Bootstrap UCL	44.38	95% Bootstrap-t UCL	47.95
95% Hall's Bootstrap UCL	46.74	95% Percentile Bootstrap UCL	44.81
95% BCA Bootstrap UCL	46.67		
90% Chebyshev(Mean, Sd) UCL	52.83	95% Chebyshev(Mean, Sd) UCL	61.25
97.5% Chebyshev(Mean, Sd) UCL	72.94	99% Chebyshev(Mean, Sd) UCL	95.89

Suggested UCL to Use

95% Approximate Gamma UCL	45.85

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

Enclosure G - PCBs in Bulk Samples - Floor South of Grid Line N220 and Mezzanine Area

(All concentrations in milligrams per kilogram)

UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	10/30/2015 11:10:36 AM
From File	Bulk Floor Data South of Gridline N220.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BulkFloorSofGridlineN220andMezz

General Statistics

Total Number of Observations	127	Number of Distinct Observations	101
		Number of Missing Observations	0
Minimum	0.072	Mean	6.237
Maximum	130	Median	2.7
SD	13.88	Std. Error of Mean	1.232
Coefficient of Variation	2.225	Skewness	6.661

Normal GOF Test

Shapiro Wilk Test Statistic	0.404	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.328	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0786	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	8.277	95% Adjusted-CLT UCL (Chen-1995)	9.04
		95% Modified-t UCL (Johnson-1978)	8.399

Gamma GOF Test

A-D Test Statistic	2.502	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.803	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.101	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.0862	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.672	k star (bias corrected MLE)	0.661
Theta hat (MLE)	9.283	Theta star (bias corrected MLE)	9.432
nu hat (MLE)	170.6	nu star (bias corrected)	167.9
MLE Mean (bias corrected)	6.237	MLE Sd (bias corrected)	7.67
		Approximate Chi Square Value (0.05)	139
Adjusted Level of Significance	0.0481	Adjusted Chi Square Value	138.7

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	7.536	95% Adjusted Gamma UCL (use when n<50)	7.553

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.986	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	0.821	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.053	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0786	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	-2.631	Mean of logged Data	0.926
Maximum of Logged Data	4.868	SD of logged Data	1.351

Assuming Lognormal Distribution

95% H-UCL	8.523	90% Chebyshev (MVUE) UCL	9.19
95% Chebyshev (MVUE) UCL	10.54	97.5% Chebyshev (MVUE) UCL	12.42
99% Chebyshev (MVUE) UCL	16.11		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	8.262	95% Jackknife UCL	8.277
95% Standard Bootstrap UCL	8.281	95% Bootstrap-t UCL	10.63
95% Hall's Bootstrap UCL	15.84	95% Percentile Bootstrap UCL	8.441
95% BCA Bootstrap UCL	9.338		
90% Chebyshev(Mean, Sd) UCL	9.931	95% Chebyshev(Mean, Sd) UCL	11.6
97.5% Chebyshev(Mean, Sd) UCL	13.93	99% Chebyshev(Mean, Sd) UCL	18.49

Suggested UCL to Use

95% H-UCL	8.523

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.
H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.
It is therefore recommended to avoid the use of H-statistic based 95% UCLs.
Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.