

June 27, 2018

Ms. Shu Zhang
NYSDEC Region 7
Division of Water
615 Erie Boulevard West
Syracuse, New York 13204-2400

Re: Metalico Aluminum Recovery, Inc.
SPDES Permit No. NY 0261947
NYSDEC PCB Minimization Program
First Quarter 2018 Quarterly Progress Report

File: 1206.001.005

Dear Ms. Zhang:

On behalf of Metalico Aluminum Recovery, Inc. (MARI), Barton & Loguidice, D.P.C. (B&L) is submitting the First Quarter 2018 Quarterly Progress Report as required by MARI's PCB Minimization Plan (PCBMP) dated December 2016.

MARI personnel performed the First Quarter PCBMP sampling event on March 30, 2018. Samples were collected from the catch basin (influent) in the scrap metal storage area of the yard and from the stormwater treatment system Outfall 001 (effluent) as detailed in Figure 1 of the PCBMP site plan. Samples were submitted to Test America Laboratories, Inc. for EPA Method 1668C PCB analysis. The Test America analytical report is included as Attachment A. The analytical results, including the total and estimated PCB concentrations reported for the influent and effluent, are summarized in the attached Table 1.

The analytical results from the 2018 First Quarter PCBMP sampling event showed a decrease of the influent total PCB concentration when compared to the Third and Fourth Quarter 2017 events. Similar to the Third and Fourth Quarter 2017 sampling results, the First Quarter 2018 effluent sample demonstrated a reduction in PCB concentrations from the influent sample to the effluent sample. As detailed in the attached Table 1 the PCB influent concentration of 11.72 µg/L dropped to 5.93 µg/L in the effluent sample.

The 2017 Third and Fourth Quarter sampling events demonstrated a PCB concentration spike in the influent sample. As detailed in the 2017 Annual PCB Monitoring Report in January 2018, Metalico conducted sampling of scrap yard residues in several locations in an effort to locate and identify possible PCB source areas. Several areas were identified as potential sources, and these areas will systematically be cleared of scrap in order to remove accumulated contaminated debris and residue for disposal. Attachment B identifies the action items MARI has completed during the First Quarter of 2018 and action items scheduled to take place in the Second, Third, and Fourth Quarters of 2018.



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MARI will continue to review the yard and influent scrap materials in the upcoming quarters to determine potential sources of PCBs. MARI continues to perform regularly scheduled housekeeping and inspections of the yard and treatment system.

In addition to scheduled housekeeping and maintenance items, Metalico has identified several areas of damaged or missing concrete in the exterior scrap storage and sorting area of the yard that require repair. Metalico is committed to spending approximately \$150,000 to make repairs to the solid yard surfaces in order to direct stormwater accumulating within the scrap yard to the stormwater treatment system during rain events. This work is scheduled to begin the first week of August 2018, as detailed on the attached list of action items.

We appreciate the Department's ongoing assistance. If you have any comments or concerns with this quarterly report, please feel free to contact me or MARI.

Very truly yours,

BARTON & LOGUIDICE, D.P.C.

A handwritten signature in blue ink, appearing to read 'Jeffrey J. Reed', is written over the typed name and title.

Jeffrey J. Reed, P.E.
Senior Managing Engineer

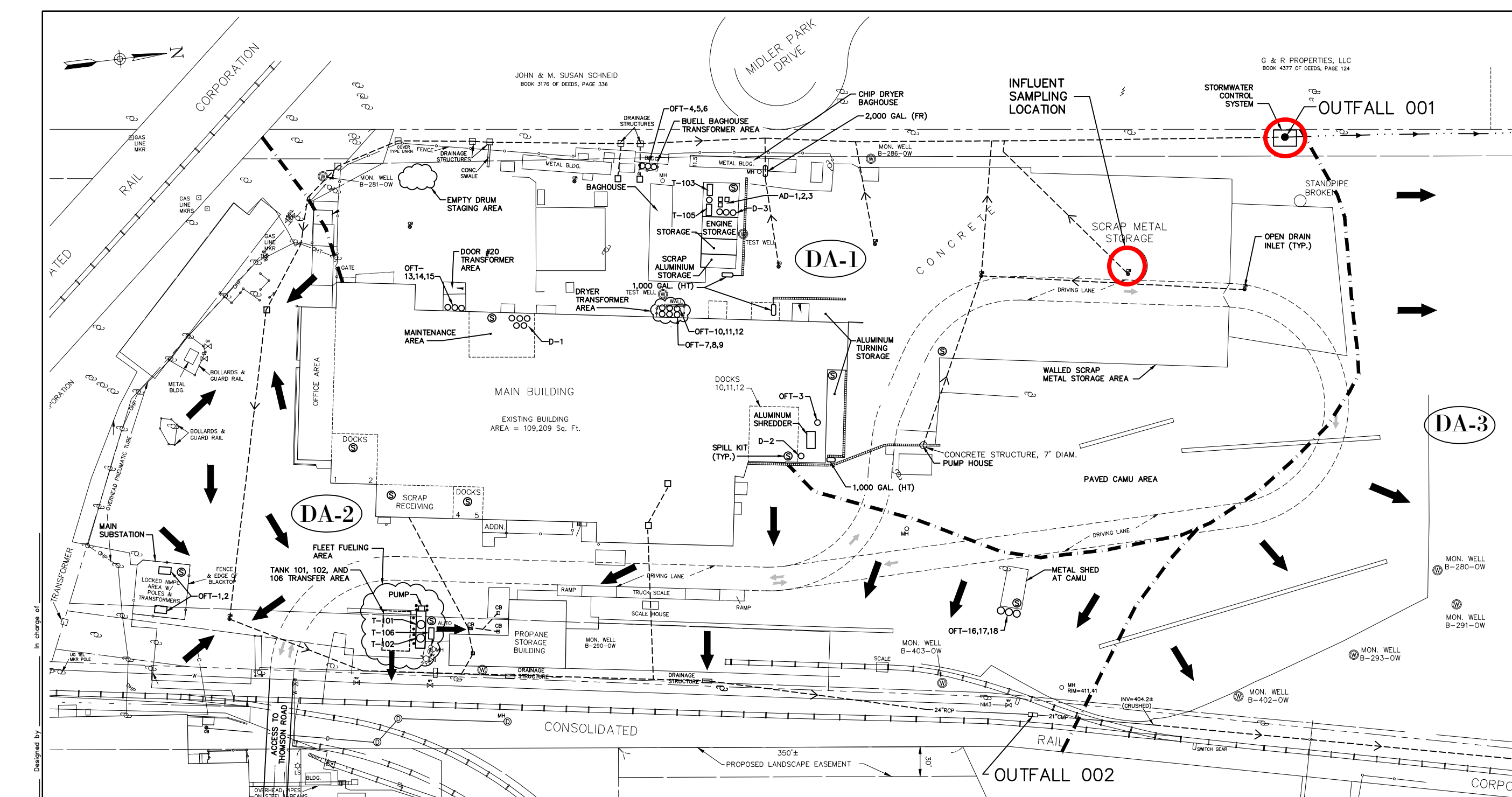
JJR/akg

Attachments

cc: NYSDEC Bureau of Water Permits, Albany
Sandra Lizlovs, NYSDEC - Region 7
Ginny Hopkins, MARI
James Bucki, MARI

Figure 1

Site Plan



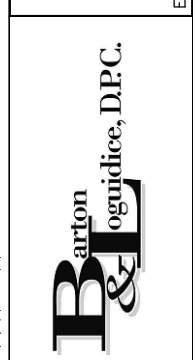
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COMPLETED CONSTRUCTION
Significant Construction Changes Are Shown

By _____ Date _____
Ck'd _____ Date _____

REVISIONS

METALICO ALUMINIUM RECOVERY, INC.
POLYCHLORINATED BIPHENYL MINIMIZATION (PCBMP)
SITE PLAN
ONONDAGA COUNTY, NEW YORK
EAST SYRACUSE



Dec 22, 2016 - 1:10PM
t:\Share\1206\1206001-S\1206001\F102.dwg
SJR
By: dav
Designed by
Checked by
In charge of
NCM
JJR

LEGEND:

☆ LS	LIGHT STAND	←	DRAINAGE FLOW
○ IP FND	UTILITY POLE, ANCHOR & OVERHEAD LINES	— — —	DRAINAGE AREA DIVIDE
□ MON. FND	IRON PIPE AND/OR MONUMENT FOUND	— — —	TRENCH DRAIN
— — —	STORM CULVERT	⊙	SPILL KIT
— — —	GAS MAIN, GAS VALVE & GAS LINE MARKER	—○—○—	CHAIN LINK FENCE
— — —	WATER MAIN, WATER VALVE & HYDRANT	— — —	DRAINAGE SWALE
— — —	STORM SEWER, CATCH BASIN & MANHOLE	— — —	UNDERGROUND STORMWATER CONVEYANCE PIPING
— — —	SANITARY SEWER, SEWER VENT & MANHOLE	▭	PAVED CAMU AREA
— — —	UNDERGROUND TELEPHONE LINE, MANHOLE & BOX	⊙	DRAINAGE AREA
— — —	UNDERGROUND ELECTRIC LINE & MANHOLE	FR	UNDERGROUND FLUID RECOVERY TANK (FLOW THROUGH)
⊙ MON. WELL	MONITORING WELL	HT	UNDERGROUND FLUID RECOVERY TANK (HOLDING TANK)

Facility Drainage

SPDES Outfall	Discharge Type	Contributing Drainage
001	Stormwater Treatment System	DA-1: scrap metal receiving, processing and storage, vehicle traffic, petroleum storage, equipment maintenance, oil filled transformer operation, smelting flux receiving, storage, and usage
002	Drainage Structure	DA-2: scrap metal receiving, processing and storage, aluminum ingot shipping, vehicle traffic, petroleum storage, diesel fuel dispensing, oil filled transformer operation
N/A	Sheet Flow	DA-3: vehicular traffic

Facility Oil Storage

Tank ID	Container Type	Capacity (Gal.)	Contents
Bulk Storage Tanks			
102	AST	1,000	Dies el Fuel
105	AST	2,000	Dies el Fuel
106	AST	300	Unknown Petroleum
108	AST	1,000	Dies el Fuel
AD-1	AST	180	Used Oil
AD-2	AST	180	Used Oil
AD-3	AST	180	Used Oil (Used Gasoline)
Portable Storage Tanks & Drums			
D-1	Misc. 55-gallon drums	55 each (up to 6)	New Grease, Gear and Hydraulic Oil, and Empty Drums
D-2	Misc. 55-gallon drums	55 each (up to 2)	Used Oil
D-3	Misc. 55-gallon drums	55 each (up to 6)	Unknown Oils and Empty Drums
Oil Filled Transformers			
OFT-1	Transformer	674	Electrical Cooling Oil
OFT-2	Transformer	564	Electrical Cooling Oil
OFT-3	Transformer	303	Electrical Cooling Oil
OFT-4 5.0	Transformer	81 each	Electrical Cooling Oil
OFT-7 9.0	Transformer	77 each	Electrical Cooling Oil
OFT-10,11,12	Transformer	76 each	Electrical Cooling Oil
OFT-13,14,15	Transformer	87 each	Electrical Cooling Oil

Date
DECEMBER, 2016
Scale
AS SHOWN
Sheet Number
1
Project Number
1206.001.005

Table 1

PCBMP Analytical Results Summary Table

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB Est (pg/L)	PCB Est (µg/L)	PCB Total (pg/L)	PCB Total (µg/L)	PCB-1 (pg/L)	PCB-2 (pg/L)	PCB-3 (pg/L)	PCB-4 (pg/L)	PCB-5 (pg/L)	PCB-6 (pg/L)	PCB-7 (pg/L)	PCB-8 (pg/L)	PCB-9 (pg/L)	PCB-10 (pg/L)
Influent														
2/24/2017	1,995,337	1.995	1,962,210	1.962	1,000	88 J	390 J	10,000	< 1,000	2,600	960 J	31,000	2,100	340 J
6/26/2017	5,108,210	5.108	5,072,500	5.073	1,500 JB	390 J	1,100 JB	17,000	4,700	14,000	2,500	70,000	3,900	590 J
10/24/2017	36,910,770	36.911	36,447,100	36.447	18,000	3,800 J	17,000	280,000	44,000	210,000	35,000	1,000,000 E	63,000	12,000
11/6/2017	39,265,007	39.265	39,263,907	39.264	11,000 EG	13,000 G	46,000 E	790,000	56,000	340,000	110,000 GE	2,000,000 E	160,000 GE	59,000 E
3/30/2018	11,732,352	11.732	11,720,040	11.720	13,000	1,500	3,600 B	140,000 E	13,000 G	82,000 G	14,000 G	400,000 GE	26,000 G	5,400
Effluent														
2/24/2017	2,599,297	2.599	2,574,050	2.574	3,500	360 J	1,400	25,000	1,500	14,000	2,300	69,000	4,800	890 J
6/26/2017	9,820,270	9.820	9,773,220	9.773	17,000 B	2,000	6,400 B	140,000	30,000 G	86,000 G	19,000 G	410,000 GE	30,000 G	8,100
10/24/2017	5,725,273	5.725	5,527,440	5.527	3,100 J	520 J	2,300 J	44,000	6,100	33,000	5,500	160,000	10,000	1,900 J
11/6/2017	1,170,536	1.171	1,166,859	1.167	3,300	350	1,300	30,000 E	2,600	9,600 G	1,200	54,000 EG	1,900 G	850
3/30/2018	6,060,730	6.061	5,934,110	5.934	3,000 J	320 J	1,200 JB	29,000	3,700 J	19,000	3,000 J	87,000	6,000	1,400 J

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-11 (pg/L)	PCB-12 (pg/L)	PCB-13 (pg/L)	PCB-14 (pg/L)	PCB-15 (pg/L)	PCB-16 (pg/L)	PCB-17 (pg/L)	PCB-18 (pg/L)	PCB-19 (pg/L)	PCB-20 (pg/L)	PCB-21 (pg/L)	PCB-22 (pg/L)	PCB-23 (pg/L)
Influent													
2/24/2017	1,300	1,700 J	1,700 J	< 1,000	12,000	21,000 B	18,000	38,000 B	5,300	66,000 B	38,000 B	2,600	< 1,000
6/26/2017	8,400 B	6,400	6,400	< 2,000	39,000	63,000 B	48,000 B	100,000 B	9,300 B	190,000 B	120,000 B	79,000 B	< 2,000
10/24/2017	8,800 B	76,000	76,000	< 7,600	540,000	810,000 E	670,000 B	1,400,000 B	150,000	2,200,000 EB	1,500,000 B	890,000 EBG	< 12,000 G
11/6/2017	19,000 G	120,000	120,000	< 6,200 G	930,000	1,400,000	830,000	1,800,000 B	270,000	2,200,000	1,600,000	1,200,000	< 17,000 G
3/30/2018	5,700 BG	23,000	23,000	< 960	150,000 EG	250,000 GE	240,000 E	510,000 E	73,000 G	650,000 BGE	410,000 SE	250,000 GE	< 2,500 G
Effluent													
2/24/2017	1,900	3,700	3,700	< 1,000	27,000	44,000 B	35,000	78,000 B	12,000	120,000 B	72,000 B	47,000	< 1,000
6/26/2017	< 2,700 G	18,000	18,000	< 2,400 G	140,000 G	220,000 BE	190,000 B	420,000 BE	44,000 B	460,000 BE	280,000 B	180,000 B	< 2,000
10/24/2017	1,300 JB	11,000	11,000	< 3,800	81,000	120,000	98,000 B	210,000 B	23,000	330,000 B	220,000 B	130,000 B	< 3,800
11/6/2017	370 G	4,200	4,200	< 190	28,000 E	38,000 E	19,000 E	42,000 EB	9,800	60,000 E	45,000 E	36,000 EG	< 270 G
3/30/2018	1,700 JB	3,800 J	3,800 J	< 3,800	29,000	430,000	42,000	96,000	13,000	120,000 B	75,000	46,000	< 3,800

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-24 (pg/L)	PCB-25 (pg/L)	PCB-26 (pg/L)	PCB-27 (pg/L)	PCB-28 (pg/L)	PCB-29 (pg/L)	PCB-30 (pg/L)	PCB-31 (pg/L)	PCB-32 (pg/L)	PCB-33 (pg/L)	PCB-34 (pg/L)	PCB-35 (pg/L)	PCB-36 (pg/L)
Influent													
2/24/2017	690 J	4,900	11,000	3,100	66,000 B	11,000	38,000 B	58,000 B	99,000	38,000 B	< 1,000	620 J	< 1,000
6/26/2017	2,600	13,000	31,000 B	7,800	190,000 B	31,000 B	100,000 B	150,000 B	27,000 B	120,000 B	< 2,000	1,800 J	< 2,000
10/24/2017	28,000	180,000 G	390,000	100,000	2,200,000 EB	390,000	1,400,000 B	2,000,000 EBG	460,000	1,500,000 B	< 12,000 G	38,000 G	< 11,000 G
11/6/2017	65,000 GE	220,000 GE	290,000	180,000 GE	2,200,000	290,000	1,800,000 B	1,400,000	560,000	1,600,000	< 17,000 G	73,000 GE	< 16,000 G
3/30/2018	11,000	55,000 G	120,000 G	37,000	650,000 BGE	120,000 G	510,000 E	600,000 BGE	130,000 E	410,000 GE	< 2,600 G	6,200 G	< 2,400 G
Effluent													
2/24/2017	1,300	9,100	21,000	5,500	120,000 B	21,000	78,000 B	110,000 B	19,000	72,000 B	< 1,000	870 J	< 1,000
6/26/2017	9,900	38,000	86,000 B	27,000	460,000 BE	86,000 B	420,000 BE	400,000 BE	88,000 B	280,000 B	< 2,000	< 2,000	< 2,000
10/24/2017	4,600	28,000	59,000	15,000	330,000 B	59,000	210,000 B	290,000 B	69,000	220,000 B	< 3,800	4,700	< 3,800
11/6/2017	890	3,900 G	7,900	3,300	60,000 E	7,900	42,000 EB	40,000 EG	13,000	45,000 E	< 280 G	1,100 G	< 260 G
3/30/2018	2,000 J	10,000	22,000	6,100	120,000 B	22,000	96,000	110,000 B	26,000	75,000	< 3,800	< 3,800	< 3,800

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-37 (pg/L)	PCB-38 (pg/L)	PCB-39 (pg/L)	PCB-40 (pg/L)	PCB-41 (pg/L)	PCB-42 (pg/L)	PCB-43 (pg/L)	PCB-44 (pg/L)	PCB-45 (pg/L)	PCB-46 (pg/L)	PCB-47 (pg/L)	PCB-48 (pg/L)
Influent												
2/24/2017	13,000	< 1,000	< 1,000	18,000	4,800	10,000	1,700	38,000 B	6,900	2,800	38,000 B	9,400
6/26/2017	44,000 B	< 2,000	< 2,000	85,000 B	27,000	50,000 B	8,300	180,000 B	34,000 B	14,000	180,000 B	50,000 B
10/24/2017	520,000 G	< 12,000 G	< 11,000 G	730,000 B	250,000	440,000	79,000	1,400,000 B	320,000	120,000	1,400,000 B	440,000
11/6/2017	830,000	< 18,000 G	< 16,000 G	840,000	350,000 E	470,000	80,000 E	1,300,000 B	370,000	180,000	1,300,000 B	320,000
3/30/2018	130,000 EG	< 2,600 G	< 2,300 G	170,000 G	63,000 G	110,000 GE	18,000 G	350,000 BE	38,000 G	31,000 G	350,000 BE	110,000 GE
Effluent												
2/24/2017	20,000	< 1,000	< 1,000	25,000	8,200	16,000	2,700	58,000 B	12,000	4,600	58,000 B	15,000
6/26/2017	85,000 GB	< 2,000	< 2,000	190,000 B	66,000	120,000 B	22,000	390,000 B	96,000 B	41,000	390,000 BE	130,000 B
10/24/2017	75,000	< 3,800	< 3,800	110,000 B	36,000	64,000	12,000	200,000 B	46,000	19,000	200,000 B	64,000
11/6/2017	23,000 EG	< 280 G	< 250 G	22,000	8,400	12,000	1,700	35,000 B	8,700	4,800	35,000 B	8,100
3/30/2018	24,000	< 3,800	< 3,800	44,000	11,000	26,000	< 3,800	100,000 B	14,000	7,400	100,000 B	20,000

**Metalico PCB Monitoring Plan
 First Quarter 2018 Progress Report
 Table 1
 PCB Results Summary Table**

Analyte: Unit:	PCB-49 (pg/L)	PCB-50 (pg/L)	PCB-51 (pg/L)	PCB-52 (pg/L)	PCB-53 (pg/L)	PCB-54 (pg/L)	PCB-55 (pg/L)	PCB-56 (pg/L)	PCB-57 (pg/L)	PCB-58 (pg/L)	PCB-59 (pg/L)	PCB-60 (pg/L)
Influent												
2/24/2017	20,000 B	5,900	1,900	46,000 B	5,900	140 J	< 1,000	9,900	< 1,000	< 1,000	3,400	5,600
6/26/2017	88,000 B	24,000 B	7,300 B	170,000 B	24,000 B	280 JB	1,600 J	33,000	760 J	1,300 J	18,000	16,000
10/24/2017	820,000 B	230,000	72,000 B	1,300,000 EB	230,000	4,600 J	6,600 J	67,000	7,700	9,200	150,000	35,000
11/6/2017	470,000	220,000 <	190	800,000	220,000	10,000	270,000 GE	100,000 GE	6,000 G	7,200 G	160,000 E	51,000 GE
3/30/2018	200,000 BGE	64,000 G	57,000 BG	320,000 BGE	64,000 G	1,200	1,900	35,000	1,800	2,100	39,000	19,000
Effluent												
2/24/2017	31,000 B	9,200	3,600	64,000 B	9,200	190 J	< 1,000	10,000	210 J	< 1,000	5,300	6,100
6/26/2017	230,000 B	78,000 B	26,000 B	390,000 BE	78,000 B	1,300 JB	1,300 J	26,000	1,500 J	1,500 J	41,000	13,000
10/24/2017	120,000 B	36,000	11,000 B	190,000 B	36,000 B	700 J	1,000 J	12,000	950 J	1,400 J	23,000	5,900
11/6/2017	12,000	5,800	2,500	22,000 E	5,800	220	240	4,400	140 J	< 190	3,500	2,300
3/30/2018	74,000 B	19,000	7,100 B	160,000 B	19,000	300 J	< 3,800	18,000	< 3,800	3,200 J	8,100 J	7,000

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-61 (pg/L)	PCB-62 (pg/L)	PCB-63 (pg/L)	PCB-64 (pg/L)	PCB-65 (pg/L)	PCB-66 (pg/L)	PCB-67 (pg/L)	PCB-68 (pg/L)	PCB-69 (pg/L)	PCB-70 (pg/L)	PCB-71 (pg/L)	PCB-72 (pg/L)
Influent												
2/24/2017	46,000 B	3,400	860 J	15,000 B	38,000 B	22,000	930 J	160 JB	20,000 B	46,000 B	18,000	190 J
6/26/2017	140,000 B	18,000	3,700	69,000 B	180,000 B	70,000 B	4,500 <	2,000	88,000 B	140,000 B	85,000 B	660 J
10/24/2017	880,000 B	150,000	33,000	620,000 B	1,400,000 B	360,000	42,000	2,400 JB	820,000 B	880,000 B	730,000 B	5,900 J
11/6/2017	610,000	160,000 E	25,000 GE	570,000	1,300,000 B	54,000 GE	31,000 GE	1,200 G	470,000	610,000	840,000	3,300 G
3/30/2018	250,000 B	39,000	8,700	150,000 GE	350,000 BE	110,000 E	11,000	480 JB	200,000 BGE	250,000 B	170,000 G	1,400
Effluent												
2/24/2017	52,000 B	5,300	1,200	22,000 B	58,000 B	25,000	1,400	470 JB	31,000 B	52,000 B	25,000	220 J
6/26/2017	180,000 B	41,000	5,900	160,000 B	390,000 B	79,000 B	8,100 <	2,000	230,000 B	180,000 B	190,000 B	1,300 J
10/24/2017	130,000 B	23,000	4,500	89,000 B	200,000 B	54,000	5,800	320 JB	120,000 B	130,000 B	110,000 B	810 J
11/6/2017	19,000	3,500	610	15,000	35,000 B	11,000	760 <	190	12,000	19,000	22,000	75 J
3/30/2018	110,000 B	8,100	2,400	33,000	100,000 B	60,000	2,200 J	920 JB	74,000 B	110,000 B	44,000	1,700 K

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-73 (pg/L)	PCB-74 (pg/L)	PCB-75 (pg/L)	PCB-76 (pg/L)	PCB-77 (pg/L)	PCB-78 (pg/L)	PCB-79 (pg/L)	PCB-80 (pg/L)	PCB-81 (pg/L)	PCB-82 (pg/L)	PCB-83 (pg/L)	PCB-84 (pg/L)
Influent												
2/24/2017	< 1,000	46,000 B	3,400	46,000 B	2,300 G	< 1,000	330 J	< 1,000	< 180 G	5,000	1,900	12,000
6/26/2017	< 2,000	140,000 B	18,000	140,000 B	5,500 GB	< 2,000	< 2,000	< 2,000	< 2,000	8,700	< 2,000	18,000
10/24/2017	< 7,600	880,000 B	150,000	880,000 B	4,800 G	< 7,600	< 7,600	< 7,600	< 1,100 G	7,300 J	< 7,600	55,000
11/6/2017	< 190	610,000	160,000 E	610,000	5,400 G	< 880 G	< 770 G	< 7,600 G	< 780 G	16,000 G	< 2,300 G	140,000 GE
3/30/2018	< 2,400	250,000 B	39,000	250,000 B	5,000 G	< 960	340 J	< 960	< 310 G	7,200	< 960	24,000
Effluent												
2/24/2017	< 1,000	52,000 B	5,300	52,000 B	1,900 G	< 1,000	250 J	< 1,000	< 210 G	4,600	1,600	12,000
6/26/2017	< 2,000	180,000 B	41,000	180,000 B	3,700 GB	< 2,000	< 2,000	< 2,000	< 2,000 G	5,500	< 2,000	16,000
10/24/2017	< 3,800	130,000 B	23,000	130,000 B	1,100	< 3,800	< 3,800	< 3,800	< 380	2,900 J	< 3,800	12,000
11/6/2017	< 190	19,000	3,500	19,000	590 G	< 190	< 190	< 190	< 26 G	2,100	< 190	6,600
3/30/2018	2,600 J	110,000 B	8,100 J	110,000 B	2,600	< 3,800	890 J	< 3,800	< 520	13,000	< 3,800	54,000

**Metalico PCB Monitoring Plan
 First Quarter 2018 Progress Report
 Table 1
 PCB Results Summary Table**

Analyte: Unit:	PCB-85 (pg/L)	PCB-86 (pg/L)	PCB-87 (pg/L)	PCB-88 (pg/L)	PCB-89 (pg/L)	PCB-90 (pg/L)	PCB-91 (pg/L)	PCB-92 (pg/L)	PCB-93 (pg/L)	PCB-94 (pg/L)	PCB-95 (pg/L)	PCB-96 (pg/L)
Influent												
2/24/2017	6,200	28,000	28,000	5,600	500 J	39,000	5,600	6,800	< 2,000	< 1,000	32,000	420 J
6/26/2017	9,900	43,000	43,000	12,000	< 2,000	64,000 B	12,000	10,000	< 4,100	< 2,000	57,000 B	1,500 J
10/24/2017	8,900 J	38,000 J	38,000 J	59,000	5,800 J	70,000 B	59,000	17,000	6,800 J	4,400 J	220,000	11,000
11/6/2017	13,000 G	49,000 G	49,000 G	74,000 GE	6,700 G	60,000 GE	74,000 GE	15,000 G	8,900 G	7,900 G	390,000 GE	25,000 E
3/30/2018	8,500	340,000	34,000	19,000 B	1,200 q	50,000 B	19,000 B	9,700	1,400 J	1,300	81,000	3,100
Effluent												
2/24/2017	6,500	27,000	27,000	5,500	500 J	39,000	5,500	6,200	< 2,000	< 1,000	33,000	560 J
6/26/2017	7,100	27,000	27,000	13,000	1,200 J	38,000 B	13,000	7,300	1,200 J	1,100 J	60,000 B	2,900
10/24/2017	3,400 J	14,000 J	14,000 J	10,000	990 J	22,000 B	10,000	4,800	1,100 J	760 J	44,000	1,800 J
11/6/2017	1,400	5,900	5,900	2,900	420	5,000	2,900	1,100	270 J	< 190	5,300	580
3/30/2018	23,000	94,000	94,000	25,000 B	< 3,800	170,000 B	25,000 B	36,000	< 7,600	< 3,800	150,000	1,400 J

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-97 (pg/L)	PCB-98 (pg/L)	PCB-99 (pg/L)	PCB-100 (pg/L)	PCB-101 (pg/L)	PCB-102 (pg/L)	PCB-103 (pg/L)	PCB-104 (pg/L)	PCB-105 (pg/L)	PCB-106 (pg/L)	PCB-107 (pg/L)	PCB-108 (pg/L)
Influent												
2/24/2017	28,000	1,400 J	17,000 <	2,000	39,000	1,400 J <	1,000	< 1,000	16,000 G <	1,000	1,400 J	28,000
6/26/2017	43,000	3,800 J	24,000 B <	4,100	64,000 B	3,800 J <	2,000	< 2,000	23,000 GB <	2,000	1,400 J	43,000
10/24/2017	38,000 J	27,000	28,000	6,800 J	70,000 B	27,000	2,900 J <	7,600	22,000 G <	7,600	1,800 J	38,000 J
11/6/2017	49,000 G	33,000 G	24,000 G	8,900 G	60,000 GE	33,000 G	2,500 G <	190	27,000 EG <	1,400 G	1,700 G	49,000 G
3/30/2018	34,000	8,900	24,000 B	1,400 J	50,000 B	8,900	880 G	41 J	20,000 G <	960	1,400 G	34,000
Effluent												
2/24/2017	27,000	1,600 J	17,000 <	2,000	39,000	1,600 J <	1,000	< 1,000	14,000 G <	1,000	1,100 J	27,000
6/26/2017	27,000	7,300	16,000 B	1,200 J	38,000 B	7,300	820 J <	2,000	15,000 GB <	2,000	1,200 J	27,000
10/24/2017	14,000 J	4,300 J	9,200	1,100 J	22,000 B	4,300 J	520 J <	3,800	6,600 <	3,800	610 J	14,000 J
11/6/2017	5,900	1,000	2,400	270 J	5,000	1,000 <	190	< 190	2,700 G <	190 <	380	5,900
3/30/2018	94,000	5,500 J	93,000 B <	7,600	170,000 B	5,500 J <	3,800	< 3,800	38,000 <	3,800	3,500 J	94,000

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-109 (pg/L)	PCB-110 (pg/L)	PCB-111 (pg/L)	PCB-112 (pg/L)	PCB-113 (pg/L)	PCB-114 (pg/L)	PCB-115 (pg/L)	PCB-116 (pg/L)	PCB-117 (pg/L)	PCB-118 (pg/L)	PCB-119 (pg/L)	PCB-120 (pg/L)
Influent												
2/24/2017	2,300	44,000	< 1,000	< 1,000	39,000	830 G	44,000	6,200	6,200	35,000 G	28,000	< 1,000
6/26/2017	2,700	61,000 B	< 2,000	< 2,000	64,000 B	1,300 GB	61,000 B	9,900	9,900	47,000 GB	43,000	< 2,000
10/24/2017	2,900 J	57,000 B	< 7,600	< 7,600	70,000 B	1,300 G	57,000 B	8,900 J	8,900 J	45,000 BG	38,000 J	< 7,600
11/6/2017	3,400 G	77,000 GE	< 1,300 G	< 1,300 G	60,000 GE	< 1,400 G	77,000 GE	13,000 G	13,000 G	55,000 EG	49,000 G	< 1,200 G
3/30/2018	2,400	51,000 B	< 960	< 960	50,000 B	< 1,100 G	51,000 B	8,500	8,500	40,000 BG	34,000	< 960
Effluent												
2/24/2017	1,800	40,000	< 1,000	< 1,000	39,000	790 G	40,000	6,500	6,500	32,000 G	27,000	< 1,000
6/26/2017	1,700 J	39,000 B	< 2,000	< 2,000	38,000 B	830 GB	39,000 B	7,100	7,100	30,000 GB	27,000	< 2,000
10/24/2017	970 J	24,000 B	< 3,800	< 3,800	22,000 B	350 J	24,000 B	3,400 J	3,400 J	15,000 B	14,000 J	< 3,800
11/6/2017	420	12,000	< 190	< 190	5,000	160 G	12,000	1,400	1,400	6,300 G	5,900	< 190
3/30/2018	9,700	180,000 B	< 3,800	< 3,800	170,000 B	1,700	180,000 B	23,000	23,000	120,000 B	94,000	< 3,800

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-121 (pg/L)	PCB-122 (pg/L)	PCB-123 (pg/L)	PCB-124 (pg/L)	PCB-125 (pg/L)	PCB-126 (pg/L)	PCB-127 (pg/L)	PCB-128 (pg/L)	PCB-129 (pg/L)	PCB-130 (pg/L)	PCB-131 (pg/L)	PCB-132 (pg/L)
Influent												
2/24/2017	< 1,000	370 J	450 G	1,400 J	28,000	< 450 G	< 1,000	5,400	33,000	2,100	490 J	11,000
6/26/2017	< 2,000	< 2,000	< 690 G	1,400 J	43,000	< 830 G	< 2,000	5,400	40,000 B	2,400	520 J	13,000
10/24/2017	< 7,600	< 7,600	< 1,200 G	1,800 J	38,000 J	< 1,300 G	< 7,600	7,900 J	48,000 B	3,000 J	630 J	15,000
11/6/2017	< 1,200 G	< 1,500 G	< 1,700 G	1,700 G	49,000 G	< 690 G	< 1,400 G	12,000	42,000 B	2,600	590	19,000
3/30/2018	< 960	500 J	600 G	1,400 J	37,000	< 520 G	< 960	5,800	49,000 B	2,300	590 J	14,000
Effluent												
2/24/2017	< 1,000	< 1,000	330 G	1,100 J	27,000	< 400 G	< 1,000	4,600	29,000	1,800	460 J	10,000
6/26/2017	< 2,000	< 2,000	< 520 G	1,200 J	27,000	< 580 G	< 2,000	4,000 J	27,000 B	1,600 J	280 J	7,900
10/24/2017	< 3,800	< 3,800	270 J	610 J	14,000 J	< 380	< 3,800	2,800 J	17,000 B	1,200 J	250 J	6,000
11/6/2017	< 190	< 190	< 130 G	< 380	5,900	< 47 G	< 190	1,300	4,200 B	300	71 J	2,100
3/30/2018	< 3,800	< 3,800	< 1,300 G	3,500 J	94,000	< 1,200	< 3,800	17,000	130,000 B	6,400	1,400 J	37,000

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-133 (pg/L)	PCB-134 (pg/L)	PCB-135 (pg/L)	PCB-136 (pg/L)	PCB-137 (pg/L)	PCB-138 (pg/L)	PCB-139 (pg/L)	PCB-140 (pg/L)	PCB-141 (pg/L)	PCB-142 (pg/L)	PCB-143 (pg/L)	PCB-144 (pg/L)
Influent												
2/24/2017	320 J	1,700 J	7,400	3,600	1,800	33,000	640 J	640 J	5,100	< 1,000	1,700 J	1,300
6/26/2017	440 J	1,800 J	15,000	5,500	1,800 J	40,000 B	690 J	690 J	9,000	< 2,000	1,800 J	2,400
10/24/2017	450 J	2,400 J	12,000 J	4,800 J	2,400 J	48,000 B	790 J	790 J	8,800	< 7,600	2,400 J	1,900 J
11/6/2017	140 J	2,500	7,800	4,600	1,600	42,000 B	360 J	360 J	5,600	< 190	2,500	710
3/30/2018	420 J	2,100	12,000	4,700	2,000	49,000 B	680 J	680 J	6,800	< 960	2,100	1,700
Effluent												
2/24/2017	290 J	1,600 J	7,400	3,700	1,600	29,000	580 J	580 J	4,900	< 1,000	1,600 J	1,200
6/26/2017	240 J	1,200 J	7,400	2,900	1,100 J	27,000 B	430 J	430 J	4,800	< 2,000	1,200 J	1,100 J
10/24/2017	190 J	970 J	4,800 J	2,000 J	860 J	17,000 B	300 J	300 J	3,000 J	< 3,800	970 J	740 J
11/6/2017	< 190	310 J	770	530	190	4,200 B	51 J	51 J	510	< 190	310 J	93 J
3/30/2018	1,100 J	5,700 J	24,000	11,000	5,700	130,000 B	1,900 J	1,900 J	13,000	< 3,800	5,700 J	2,800 J

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-145 (pg/L)	PCB-146 (pg/L)	PCB-147 (pg/L)	PCB-148 (pg/L)	PCB-149 (pg/L)	PCB-150 (pg/L)	PCB-151 (pg/L)	PCB-152 (pg/L)	PCB-153 (pg/L)	PCB-154 (pg/L)	PCB-155 (pg/L)	PCB-156 (pg/L)
Influent												
2/24/2017	< 1,000	3,700	20,000	< 1,000	20,000	< 1,000	7,400	< 1,000	20,000	250 J	< 1,000	5,500
6/26/2017	< 2,000	5,000	34,000 B	< 2,000	34,000 B	< 2,000	15,000	< 2,000	35,000 B	< 2,000	< 2,000	6,400 B
10/24/2017	< 7,600	5,300 J	30,000 B	< 7,600	30,000 B	< 7,600	12,000 J	< 7,600	34,000 B	< 7,600	< 7,600	6,600
11/6/2017	< 190	2,200	19,000	< 190	19,000	< 190	7,800	< 190	14,000	< 190	< 290 G	6,900 G
3/30/2018	< 960	4,600	28,000 B	< 960	28,000 B	< 960	12,000	< 960	26,000 B	< 960	< 960	5,600 B
Effluent												
2/24/2017	< 1,000	3,300	20,000	< 1,000	20,000	< 1,000	7,400	< 1,000	20,000	200 J	< 1,000	5,000
6/26/2017	< 2,000	3,100	17,000 B	< 2,000	17,000 B	< 2,000	7,400	< 2,000	20,000 B	< 2,000	< 2,000	4,500 B
10/24/2017	< 3,800	1,900 J	12,000 B	< 3,800	12,000 B	< 3,800	4,800 J	< 3,800	12,000 B	< 3,800	< 3,800	2,000
11/6/2017	< 190	240	2,100	< 190	2,100	< 190	770	< 190	1,400	< 190	< 190	710
3/30/2018	< 3,800	12,000	64,000 B	3,800	64,000 B	3,800	24,000	< 3,800	64,000 B	< 3,800	< 3,800	17,000 B

**Metalico PCB Monitoring Plan
 First Quarter 2018 Progress Report
 Table 1
 PCB Results Summary Table**

Analyte: Unit:	PCB-157 (pg/L)	PCB-158 (pg/L)	PCB-159 (pg/L)	PCB-160 (pg/L)	PCB-161 (pg/L)	PCB-162 (pg/L)	PCB-163 (pg/L)	PCB-164 (pg/L)	PCB-165 (pg/L)	PCB-166 (pg/L)	PCB-167 (pg/L)	PCB-168 (pg/L)
Influent												
2/24/2017	5,500	3,500	100 J <	1,000 <	1,000	120 J	33,000	2,100 <	1,000	5,400	1,600	20,000
6/26/2017	6,400 B	3,900	480 J <	2,000 <	2,000	< 2,000	40,000 B	2,800 <	2,000	5,400	2,000 B	35,000 B
10/24/2017	6,600	5,300 J	230 J <	7,600 <	7,600	150 J	48,000 B	3,300 J <	7,600	7,900	2,000	34,000 B
11/6/2017	6,900 G	4,200	260 <	190 <	190	110 J	42,000 B	3,000 <	190	12,000	2,100 G	14,000
3/30/2018	5,600 B	4,100	230 J <	960 <	960	130 J	49,000 B	2,400 <	960	5,800	1,600	26,000 B
Effluent												
2/24/2017	5,000	3,100	140 J <	1,000 <	1,000	93 J	29,000	1,700 <	1,000	4,600	1,300	20,000
6/26/2017	4,500 B	2,700	220 J <	2,000 <	2,000	< 2,000	27,000 B	1,900 J <	2,000	4,000	1,400 B	20,000 B
10/24/2017	2,000	1,800 J	65 J <	3,800 <	3,800	54 J	17,000 B	1,300 J <	3,800	2,800 J	640	12,000 B
11/6/2017	710	420	14 J <	190 <	190	11 J	4,200 B	310 <	190	1,300	230	1,400
3/30/2018	17,000 B	9,800	240 J <	3,800 <	3,800	450 J	130,000 B	6,800 <	3,800	17,000	5,500	64,000 B

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-169 (pg/L)	PCB-170 (pg/L)	PCB-171 (pg/L)	PCB-172 (pg/L)	PCB-173 (pg/L)	PCB-174 (pg/L)	PCB-175 (pg/L)	PCB-176 (pg/L)	PCB-177 (pg/L)	PCB-178 (pg/L)	PCB-179 (pg/L)	PCB-180 (pg/L)
Influent												
2/24/2017	< 100	4,600	1,600 J	850 J	1,600 J	4,600	200 J	460 J	2,600	750 J	1,600	9,200
6/26/2017	< 200	13,000	4,300	2,900	4,300	22,000	550 J	1,700 J	9,100	2,900	6,800	38,000 B
10/24/2017	< 760	8,500 B	2,900 JB	1,700 J	2,900 JB	11,000	420 J	1,200 J	5,200 J	1,900 J	4,000 J	21,000 B
11/6/2017	27	17,000	4,500	1,600	4,500	17,000	250	1,100	9,400	1,500	4,400	22,000
3/30/2018	< 96	6,400	2,300	1,200	2,300	8,600	310 J	920 J	4,300	1,500	3,200	17,000 B
Effluent												
2/24/2017	< 100	4,700	1,700 J	840 J	1,700 J	5,400	170	540 J	2,800	770 J	2,100	10,000
6/26/2017	< 200	6,800	2,100 J	1,300 J	2,100 J	8,600	300 J	580 J	3,900	1,100 J	2,200	17,000 B
10/24/2017	< 380	2,100 JB	77 JB	430 J	770 JB	2,900 J	100 J	300 J	1,400 J	520 J	1,100 J	5,100 JB
11/6/2017	< 19	1,100	290 J	97 J	290 J	940	16 Jq	62 J	530	85 J	230	1,200
3/30/2018	< 380	14,000	4,400 J	2,100 J	4,400 J	10,000	430 J	910 J	6,300	1,300 J	2,400 J	22,000 B

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-181 (pg/L)	PCB-182 (pg/L)	PCB-183 (pg/L)	PCB-184 (pg/L)	PCB-185 (pg/L)	PCB-186 (pg/L)	PCB-187 (pg/L)	PCB-188 (pg/L)	PCB-189 (pg/L)	PCB-190 (pg/L)	PCB-191 (pg/L)	PCB-192 (pg/L)
Influent												
2/24/2017	80 J <	1,000	2,800 B <	1,000	380 J <	1,000	4,300	25 J	230	840 J	170 J <	1,000
6/26/2017	< 2,000	< 2,000	10,000 B <	2,000	3,100 <	2,000	18,000	< 2,000	500 B	2,900	590 J <	2,000
10/24/2017	< 7,600	< 7,600	5,100 JB <	7,600	1,200 J <	7,600	13,000 B <	7,600	340 J	1,800 J	370 J <	7,600
11/6/2017	< 190	< 190	3,400 <	190	1,500 <	190	8,900	< 190	350	2,900	410 <	190
3/30/2018	79 J	35 J	4,700 B	13 J	900 J <	960	9,200	14 J	300	1,200	260 J <	960
Effluent												
2/24/2017	73 J <	1,000	3,000 B <	1,000	570 J <	1,000	4,900	< 1,000	230	880 J	210 J <	1,000
6/26/2017	< 2,000	< 2,000	4,000 B <	2,000	1,200 J <	2,000	6,800	< 2,000	290 B	1,400 J	310 J <	2,000
10/24/2017	< 3,800	< 3,800	1,300 JB <	3,800	340 J <	3,800	3,200 JB <	3,800	100 J	430 J	110 J <	3,800
11/6/2017	10 J <	190	210 <	190	73 J <	190	480	< 190	29	190	26 Jq <	190
3/30/2018	340 J <	3,800	5,500 B <	3,800	730 J <	3,800	7,600	< 3,800	610	2,200 J	510 J <	3,800

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-193 (pg/L)	PCB-194 (pg/L)	PCB-195 (pg/L)	PCB-196 (pg/L)	PCB-197 (pg/L)	PCB-198 (pg/L)	PCB-199 (pg/L)	PCB-200 (pg/L)	PCB-201 (pg/L)	PCB-202 (pg/L)	PCB-203 (pg/L)	PCB-204 (pg/L)
Influent												
2/24/2017	9,200	1,700	700 J	1,200	84 J	3,400	3,400	300 J	410 J	730 J	2,000	< 1,000
6/26/2017	38,000 B	11,000	5,700	7,600	430 J	21,000	21,000	2,400	2,300	4,000 B	13,000	< 2,000
10/24/2017	21,000 B	6,000 J	1,700 J	3,300 J	210 J	12,000 J	12,000 J	1,100 J	1,200 J	2,800 J	7,900	< 7,600
11/6/2017	22,000	8,400	4,600	3,300	130 J	11,000	11,000	1,400	740	2,200	5,900	< 190
3/30/2018	17,000 B	3,800	1,300	1,900	170 J	6,700	6,700	680 J	790 J	1,500	3,600	< 960
Effluent												
2/24/2017	10,000	2,100	970 J	1,300	91 J	3,900	3,900	360 J	430 J	770 J	2,500	< 1,000
6/26/2017	17,000 B	5,600	2,800	3,300	200 J	7,800	7,800	820 J	860 J	1,500 JB	5,200	< 2,000
10/24/2017	5,100 JB	1,100 J	360 J	630 J	39 J	2,100 J	2,100 J	230 J	240 J	480 J	1,300 J	< 3,800
11/6/2017	1,200	410	200	140 J	190	480	480	58 J	32 J	110 J	250	< 190
3/30/2018	22,000 B	3,200 J	1,000 J	1,300 J	120 J	3,700 J	3,700 J	380 J	400 J	730 J	1,900 J	< 3,800

**Metalico PCB Monitoring Plan
First Quarter 2018 Progress Report
Table 1
PCB Results Summary Table**

Analyte: Unit:	PCB-205 (pg/L)	PCB-206 (pg/L)	PCB-207 (pg/L)	PCB-208 (pg/L)	PCB-209 (pg/L)
Influent					
2/24/2017	100 J	2,700	310 J	940 J	650 J
6/26/2017	640 JB	17,000 B	1,700 J	5,000 B	3,400 B
10/24/2017	290 J	15,000	1,400 J	4,900 J	3,500 J
11/6/2017	310	9,100	560	2,800	2,200
3/30/2018	200 J	5,900	610 J	1,900	1,800 B
Effluent					
2/24/2017	120 J	3,500	330	1,100	760 J
6/26/2017	250 JB	5,000 B	550 J	1,400 JB	860 JB
10/24/2017	68 J	2,200 J	220 J	710 J	500 J
11/6/2017	22 J	430 J	30 Jq	120 Jq	120 J
3/30/2018	190 J	2,800 J	330 J	930 J	900 JB

Attachment A

Test America Analytical Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-133414-1

Client Project/Site: Metalico Outfalls

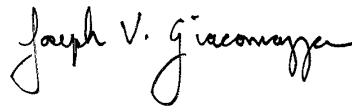
For:

Metalico Rochester Inc

6225 Thompson Road

Syracuse, New York 13206

Attn: Ginny Hopkins



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4/25/2018 1:03:28 PM

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Qualifiers

Dioxin

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
E	Result exceeded calibration range.
*	Isotope Dilution analyte is outside acceptance limits.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Job ID: 480-133414-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-133414-1

Comments

No additional comments.

Receipt

The samples were received on 3/31/2018 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

Dioxin

Method(s) 1668C: One or more Isotope Dilution Analyte (IDA) recoveries is above the method recommended limit for the following samples: INFLUENT (480-133414-1) and OUTFALL 001 (480-133414-2). Since the high recovery is due to matrix interferences, the analytes associated with this IDA may have a low bias.

Method(s) 1668C: The following sample was diluted due to the nature of the sample matrix: OUTFALL 001 (480-133414-2) at 10.0. Elevated reporting limits (RLs) are provided.

Method(s) 1668C: The following sample was diluted to bring the concentration of target analytes within the instrument detection range: INFLUENT (480-133414-1) at 5.0. Elevated reporting limits (RLs) are provided.

Method(s) 1668C: The following sample exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): INFLUENT (480-133414-1). The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

Method(s) 1668C: The concentration of one or more analytes associated with the following sample exceeded the instrument calibration range: INFLUENT (480-133414-1). These analytes have been qualified; however, the peaks did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Dioxin Prep

Method(s) HRMS-Sep: The following samples formed emulsions during the extraction procedure: INFLUENT (480-133414-1) and OUTFALL 001 (480-133414-2). The emulsions were broken up using a glass pipette.

preparation batch 320-217161
Prep code:HRMS_Sep_P/1668C/AQ

Method(s) HRMS-Sep: The sample extract, OUTFALL 001 (480-133414-2) had high viscosity and would not blow down to 20 uL during final volume concentration. PCB Acid alumina Clean Up was performed on the sample and it was blown down to a final volume of 40.0 uL.

preparation batch 320-217161
Prep code:HRMS_Sep_P/1668C/AQ

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-133414-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	13000		960	98	pg/L	5		1668C	Total/NA
PCB-2	1500		960	75	pg/L	5		1668C	Total/NA
PCB-3	6300	B	960	79	pg/L	5		1668C	Total/NA
PCB-4	140000	E	960	340	pg/L	5		1668C	Total/NA
PCB-5	13000	G	1100	1100	pg/L	5		1668C	Total/NA
PCB-6	82000	G	1100	1100	pg/L	5		1668C	Total/NA
PCB-7	14000	G	1100	1100	pg/L	5		1668C	Total/NA
PCB-8	400000	G E	1100	1100	pg/L	5		1668C	Total/NA
PCB-9	26000	G	1200	1200	pg/L	5		1668C	Total/NA
PCB-10	5400		960	230	pg/L	5		1668C	Total/NA
PCB-11	5700	B G	1100	1100	pg/L	5		1668C	Total/NA
PCB-12	23000		1900	1100	pg/L	5		1668C	Total/NA
PCB-13	23000		1900	1100	pg/L	5		1668C	Total/NA
PCB-15	150000	E G	1200	1200	pg/L	5		1668C	Total/NA
PCB-16	250000	G E	1000	1000	pg/L	5		1668C	Total/NA
PCB-17	240000	E	960	780	pg/L	5		1668C	Total/NA
PCB-18	510000	E	1900	680	pg/L	5		1668C	Total/NA
PCB-19	73000	G	1200	1200	pg/L	5		1668C	Total/NA
PCB-20	650000	B G E	2600	2600	pg/L	5		1668C	Total/NA
PCB-21	410000	G E	2400	2400	pg/L	5		1668C	Total/NA
PCB-22	250000	G E	2700	2700	pg/L	5		1668C	Total/NA
PCB-24	11000		960	610	pg/L	5		1668C	Total/NA
PCB-25	55000	G	2500	2500	pg/L	5		1668C	Total/NA
PCB-26	120000	G	2500	2500	pg/L	5		1668C	Total/NA
PCB-27	37000		960	590	pg/L	5		1668C	Total/NA
PCB-28	650000	B G E	2600	2600	pg/L	5		1668C	Total/NA
PCB-29	120000	G	2500	2500	pg/L	5		1668C	Total/NA
PCB-30	510000	E	1900	680	pg/L	5		1668C	Total/NA
PCB-31	600000	B G E	2400	2400	pg/L	5		1668C	Total/NA
PCB-32	130000	E	960	560	pg/L	5		1668C	Total/NA
PCB-33	410000	G E	2400	2400	pg/L	5		1668C	Total/NA
PCB-35	6200	G	2600	2600	pg/L	5		1668C	Total/NA
PCB-37	130000	E G	2400	2400	pg/L	5		1668C	Total/NA
PCB-40	170000	G	2900	2900	pg/L	5		1668C	Total/NA
PCB-41	63000	G	4000	4000	pg/L	5		1668C	Total/NA
PCB-42	110000	G E	3300	3300	pg/L	5		1668C	Total/NA
PCB-43	18000	G	3400	3400	pg/L	5		1668C	Total/NA
PCB-44	350000	B E	2900	2900	pg/L	5		1668C	Total/NA
PCB-45	38000	G	3100	3100	pg/L	5		1668C	Total/NA
PCB-46	31000	G	3600	3600	pg/L	5		1668C	Total/NA
PCB-47	350000	B E	2900	2900	pg/L	5		1668C	Total/NA
PCB-48	110000	G E	3100	3100	pg/L	5		1668C	Total/NA
PCB-49	200000	B G E	2500	2500	pg/L	5		1668C	Total/NA
PCB-50	64000	G	3000	3000	pg/L	5		1668C	Total/NA
PCB-51	57000	B G	3200	3200	pg/L	5		1668C	Total/NA
PCB-52	320000	B G E	3200	3200	pg/L	5		1668C	Total/NA
PCB-53	64000	G	3000	3000	pg/L	5		1668C	Total/NA
PCB-54	1200		960	6.4	pg/L	5		1668C	Total/NA
PCB-55	1900		960	290	pg/L	5		1668C	Total/NA
PCB-56	35000		960	300	pg/L	5		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: INFLUENT (Continued)

Lab Sample ID: 480-133414-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-57	1800		960	290	pg/L	5		1668C	Total/NA
PCB-58	2100		960	280	pg/L	5		1668C	Total/NA
PCB-59	39000		2900	2300	pg/L	5		1668C	Total/NA
PCB-60	19000		960	290	pg/L	5		1668C	Total/NA
PCB-61	250000	B	3800	280	pg/L	5		1668C	Total/NA
PCB-62	39000		2900	2300	pg/L	5		1668C	Total/NA
PCB-63	8700		960	260	pg/L	5		1668C	Total/NA
PCB-64	150000	G E	2100	2100	pg/L	5		1668C	Total/NA
PCB-65	350000	B E	2900	2900	pg/L	5		1668C	Total/NA
PCB-66	110000	E	960	290	pg/L	5		1668C	Total/NA
PCB-67	11000		960	270	pg/L	5		1668C	Total/NA
PCB-68	480	J B	960	260	pg/L	5		1668C	Total/NA
PCB-69	200000	B G E	2500	2500	pg/L	5		1668C	Total/NA
PCB-70	250000	B	3800	280	pg/L	5		1668C	Total/NA
PCB-71	170000	G	2900	2900	pg/L	5		1668C	Total/NA
PCB-72	1400		960	270	pg/L	5		1668C	Total/NA
PCB-74	250000	B	3800	280	pg/L	5		1668C	Total/NA
PCB-75	39000		2900	2300	pg/L	5		1668C	Total/NA
PCB-76	250000	B	3800	280	pg/L	5		1668C	Total/NA
PCB-77	5000	G	310	310	pg/L	5		1668C	Total/NA
PCB-79	340	J	960	250	pg/L	5		1668C	Total/NA
PCB-82	7200		960	610	pg/L	5		1668C	Total/NA
PCB-84	24000		960	560	pg/L	5		1668C	Total/NA
PCB-85	8500		2900	400	pg/L	5		1668C	Total/NA
PCB-86	34000		5800	410	pg/L	5		1668C	Total/NA
PCB-87	34000		5800	410	pg/L	5		1668C	Total/NA
PCB-88	19000	B	1900	470	pg/L	5		1668C	Total/NA
PCB-89	1200	q	960	520	pg/L	5		1668C	Total/NA
PCB-90	50000	B	2900	420	pg/L	5		1668C	Total/NA
PCB-91	19000	B	1900	470	pg/L	5		1668C	Total/NA
PCB-92	9700		960	500	pg/L	5		1668C	Total/NA
PCB-93	1400	J	1900	480	pg/L	5		1668C	Total/NA
PCB-94	1300		960	500	pg/L	5		1668C	Total/NA
PCB-95	81000		960	470	pg/L	5		1668C	Total/NA
PCB-96	3100		960	10	pg/L	5		1668C	Total/NA
PCB-97	34000		5800	410	pg/L	5		1668C	Total/NA
PCB-98	8900		1900	460	pg/L	5		1668C	Total/NA
PCB-99	24000	B	960	440	pg/L	5		1668C	Total/NA
PCB-100	1400	J	1900	480	pg/L	5		1668C	Total/NA
PCB-101	50000	B	2900	420	pg/L	5		1668C	Total/NA
PCB-102	8900		1900	460	pg/L	5		1668C	Total/NA
PCB-103	880	J	960	430	pg/L	5		1668C	Total/NA
PCB-104	41	J	960	8.5	pg/L	5		1668C	Total/NA
PCB-105	20000	G	440	440	pg/L	5		1668C	Total/NA
PCB-107	1400	J	1900	360	pg/L	5		1668C	Total/NA
PCB-108	34000		5800	410	pg/L	5		1668C	Total/NA
PCB-109	2400		960	340	pg/L	5		1668C	Total/NA
PCB-110	51000	B	1900	370	pg/L	5		1668C	Total/NA
PCB-113	50000	B	960	420	pg/L	5		1668C	Total/NA
PCB-114	1100	G	420	420	pg/L	5		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: INFLUENT (Continued)

Lab Sample ID: 480-133414-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-115	51000	B	1900	370	pg/L	5		1668C	Total/NA
PCB-116	8500		2900	400	pg/L	5		1668C	Total/NA
PCB-117	8500		2900	400	pg/L	5		1668C	Total/NA
PCB-118	40000	B G	400	400	pg/L	5		1668C	Total/NA
PCB-119	34000		5800	410	pg/L	5		1668C	Total/NA
PCB-122	500	J	960	410	pg/L	5		1668C	Total/NA
PCB-123	600	G	390	390	pg/L	5		1668C	Total/NA
PCB-124	1400	J	1900	360	pg/L	5		1668C	Total/NA
PCB-125	34000		5800	410	pg/L	5		1668C	Total/NA
PCB-128	5800		1900	64	pg/L	5		1668C	Total/NA
PCB-129	49000	B	2900	85	pg/L	5		1668C	Total/NA
PCB-130	2300		960	83	pg/L	5		1668C	Total/NA
PCB-131	590	J	960	79	pg/L	5		1668C	Total/NA
PCB-132	14000		960	79	pg/L	5		1668C	Total/NA
PCB-133	420	J	960	77	pg/L	5		1668C	Total/NA
PCB-134	2100		1900	80	pg/L	5		1668C	Total/NA
PCB-135	12000		1900	74	pg/L	5		1668C	Total/NA
PCB-136	4700		960	55	pg/L	5		1668C	Total/NA
PCB-137	2000		960	70	pg/L	5		1668C	Total/NA
PCB-138	49000	B	2900	85	pg/L	5		1668C	Total/NA
PCB-139	680	J	1900	69	pg/L	5		1668C	Total/NA
PCB-140	680	J	1900	69	pg/L	5		1668C	Total/NA
PCB-141	6800		960	73	pg/L	5		1668C	Total/NA
PCB-143	2100		1900	80	pg/L	5		1668C	Total/NA
PCB-144	1700		960	71	pg/L	5		1668C	Total/NA
PCB-146	4600		960	69	pg/L	5		1668C	Total/NA
PCB-147	28000	B	1900	70	pg/L	5		1668C	Total/NA
PCB-149	28000	B	1900	70	pg/L	5		1668C	Total/NA
PCB-151	12000		1900	74	pg/L	5		1668C	Total/NA
PCB-153	26000	B	1900	57	pg/L	5		1668C	Total/NA
PCB-156	5600	B	190	48	pg/L	5		1668C	Total/NA
PCB-157	5600	B	190	48	pg/L	5		1668C	Total/NA
PCB-158	4100		960	52	pg/L	5		1668C	Total/NA
PCB-159	230	J	960	30	pg/L	5		1668C	Total/NA
PCB-162	130	J	960	29	pg/L	5		1668C	Total/NA
PCB-163	49000	B	2900	85	pg/L	5		1668C	Total/NA
PCB-164	2400		960	56	pg/L	5		1668C	Total/NA
PCB-166	5800		960	64	pg/L	5		1668C	Total/NA
PCB-167	1600		96	26	pg/L	5		1668C	Total/NA
PCB-168	26000	B	1900	57	pg/L	5		1668C	Total/NA
PCB-170	6400		960	53	pg/L	5		1668C	Total/NA
PCB-171	2300		1900	51	pg/L	5		1668C	Total/NA
PCB-172	1200		960	50	pg/L	5		1668C	Total/NA
PCB-173	2300		1900	51	pg/L	5		1668C	Total/NA
PCB-174	8600		960	52	pg/L	5		1668C	Total/NA
PCB-175	310	J	960	7.2	pg/L	5		1668C	Total/NA
PCB-176	920	J	960	5.1	pg/L	5		1668C	Total/NA
PCB-177	4300		960	52	pg/L	5		1668C	Total/NA
PCB-178	1500		960	7.5	pg/L	5		1668C	Total/NA
PCB-179	3200		960	5.5	pg/L	5		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: INFLUENT (Continued)

Lab Sample ID: 480-133414-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-180	17000	B	1900	41	pg/L	5		1668C	Total/NA
PCB-181	79	J	960	46	pg/L	5		1668C	Total/NA
PCB-182	35	J	960	6.7	pg/L	5		1668C	Total/NA
PCB-183	4700	B	960	44	pg/L	5		1668C	Total/NA
PCB-184	13	J	960	5.7	pg/L	5		1668C	Total/NA
PCB-185	900	J	960	45	pg/L	5		1668C	Total/NA
PCB-187	9200		960	6.8	pg/L	5		1668C	Total/NA
PCB-188	14	J	960	4.9	pg/L	5		1668C	Total/NA
PCB-189	300		96	12	pg/L	5		1668C	Total/NA
PCB-190	1200		960	36	pg/L	5		1668C	Total/NA
PCB-191	260	J	960	37	pg/L	5		1668C	Total/NA
PCB-193	17000	B	1900	41	pg/L	5		1668C	Total/NA
PCB-194	3800		960	13	pg/L	5		1668C	Total/NA
PCB-195	1300		960	13	pg/L	5		1668C	Total/NA
PCB-196	1900		960	16	pg/L	5		1668C	Total/NA
PCB-197	170	J	960	12	pg/L	5		1668C	Total/NA
PCB-198	6700		1900	17	pg/L	5		1668C	Total/NA
PCB-199	6700		1900	17	pg/L	5		1668C	Total/NA
PCB-200	680	J	960	12	pg/L	5		1668C	Total/NA
PCB-201	790	J	960	12	pg/L	5		1668C	Total/NA
PCB-202	1500		960	11	pg/L	5		1668C	Total/NA
PCB-203	3600		960	16	pg/L	5		1668C	Total/NA
PCB-205	200	J	960	13	pg/L	5		1668C	Total/NA
PCB-206	5900		960	21	pg/L	5		1668C	Total/NA
PCB-207	610	J	960	11	pg/L	5		1668C	Total/NA
PCB-208	1900		960	12	pg/L	5		1668C	Total/NA
PCB-209	1800	B	960	12	pg/L	5		1668C	Total/NA

Client Sample ID: OUTFALL 001

Lab Sample ID: 480-133414-2

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	3000	J	3800	46	pg/L	10		1668C	Total/NA
PCB-2	320	J	3800	41	pg/L	10		1668C	Total/NA
PCB-3	1200	J B	3800	49	pg/L	10		1668C	Total/NA
PCB-4	29000		3800	140	pg/L	10		1668C	Total/NA
PCB-5	3700	J	3800	410	pg/L	10		1668C	Total/NA
PCB-6	19000		3800	420	pg/L	10		1668C	Total/NA
PCB-7	3000	J	3800	410	pg/L	10		1668C	Total/NA
PCB-8	87000		3800	420	pg/L	10		1668C	Total/NA
PCB-9	6000		3800	450	pg/L	10		1668C	Total/NA
PCB-10	1400	J	3800	110	pg/L	10		1668C	Total/NA
PCB-11	1700	J B	3800	410	pg/L	10		1668C	Total/NA
PCB-12	3800	J	7600	410	pg/L	10		1668C	Total/NA
PCB-13	3800	J	7600	410	pg/L	10		1668C	Total/NA
PCB-15	29000		3800	490	pg/L	10		1668C	Total/NA
PCB-16	43000		3800	310	pg/L	10		1668C	Total/NA
PCB-17	42000		3800	240	pg/L	10		1668C	Total/NA
PCB-18	96000		7600	210	pg/L	10		1668C	Total/NA
PCB-19	13000		3800	240	pg/L	10		1668C	Total/NA
PCB-20	120000	B	7600	710	pg/L	10		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: OUTFALL 001 (Continued)

Lab Sample ID: 480-133414-2

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-21	75000		7600	660	pg/L	10		1668C	Total/NA
PCB-22	46000		3800	740	pg/L	10		1668C	Total/NA
PCB-24	2000	J	3800	180	pg/L	10		1668C	Total/NA
PCB-25	10000		3800	680	pg/L	10		1668C	Total/NA
PCB-26	22000		7600	670	pg/L	10		1668C	Total/NA
PCB-27	6100		3800	180	pg/L	10		1668C	Total/NA
PCB-28	120000	B	7600	710	pg/L	10		1668C	Total/NA
PCB-29	22000		7600	670	pg/L	10		1668C	Total/NA
PCB-30	96000		7600	210	pg/L	10		1668C	Total/NA
PCB-31	110000	B	3800	660	pg/L	10		1668C	Total/NA
PCB-32	26000		3800	170	pg/L	10		1668C	Total/NA
PCB-33	75000		7600	660	pg/L	10		1668C	Total/NA
PCB-37	24000		3800	900	pg/L	10		1668C	Total/NA
PCB-40	44000		7600	1600	pg/L	10		1668C	Total/NA
PCB-41	11000		3800	2200	pg/L	10		1668C	Total/NA
PCB-42	26000		3800	1800	pg/L	10		1668C	Total/NA
PCB-44	100000	B	11000	1600	pg/L	10		1668C	Total/NA
PCB-45	14000		3800	1700	pg/L	10		1668C	Total/NA
PCB-46	7400		3800	2000	pg/L	10		1668C	Total/NA
PCB-47	100000	B	11000	1600	pg/L	10		1668C	Total/NA
PCB-48	20000		3800	1700	pg/L	10		1668C	Total/NA
PCB-49	74000	B	7600	1400	pg/L	10		1668C	Total/NA
PCB-50	19000		7600	1600	pg/L	10		1668C	Total/NA
PCB-51	7100	B	3800	1700	pg/L	10		1668C	Total/NA
PCB-52	160000	B	3800	1700	pg/L	10		1668C	Total/NA
PCB-53	19000		7600	1600	pg/L	10		1668C	Total/NA
PCB-54	300	J	3800	20	pg/L	10		1668C	Total/NA
PCB-56	18000		3800	450	pg/L	10		1668C	Total/NA
PCB-58	3200	J	3800	430	pg/L	10		1668C	Total/NA
PCB-59	8100	J	11000	1200	pg/L	10		1668C	Total/NA
PCB-60	7000		3800	440	pg/L	10		1668C	Total/NA
PCB-61	110000	B	15000	420	pg/L	10		1668C	Total/NA
PCB-62	8100	J	11000	1200	pg/L	10		1668C	Total/NA
PCB-63	2400	J	3800	390	pg/L	10		1668C	Total/NA
PCB-64	33000		3800	1100	pg/L	10		1668C	Total/NA
PCB-65	100000	B	11000	1600	pg/L	10		1668C	Total/NA
PCB-66	60000		3800	440	pg/L	10		1668C	Total/NA
PCB-67	2200	J	3800	410	pg/L	10		1668C	Total/NA
PCB-68	920	J B	3800	390	pg/L	10		1668C	Total/NA
PCB-69	74000	B	7600	1400	pg/L	10		1668C	Total/NA
PCB-70	110000	B	15000	420	pg/L	10		1668C	Total/NA
PCB-71	44000		7600	1600	pg/L	10		1668C	Total/NA
PCB-72	1700	J	3800	410	pg/L	10		1668C	Total/NA
PCB-73	2600	J	3800	1300	pg/L	10		1668C	Total/NA
PCB-74	110000	B	15000	420	pg/L	10		1668C	Total/NA
PCB-75	8100	J	11000	1200	pg/L	10		1668C	Total/NA
PCB-76	110000	B	15000	420	pg/L	10		1668C	Total/NA
PCB-77	2600		500	500	pg/L	10		1668C	Total/NA
PCB-79	890	J	3800	380	pg/L	10		1668C	Total/NA
PCB-82	13000		3800	2000	pg/L	10		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: OUTFALL 001 (Continued)

Lab Sample ID: 480-133414-2

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-84	54000		3800	1900	pg/L	10		1668C	Total/NA
PCB-85	23000		11000	1300	pg/L	10		1668C	Total/NA
PCB-86	94000		23000	1400	pg/L	10		1668C	Total/NA
PCB-87	94000		23000	1400	pg/L	10		1668C	Total/NA
PCB-88	25000	B	7600	1500	pg/L	10		1668C	Total/NA
PCB-90	170000	B	11000	1400	pg/L	10		1668C	Total/NA
PCB-91	25000	B	7600	1500	pg/L	10		1668C	Total/NA
PCB-92	36000		3800	1600	pg/L	10		1668C	Total/NA
PCB-95	150000		3800	1500	pg/L	10		1668C	Total/NA
PCB-96	1400	J	3800	19	pg/L	10		1668C	Total/NA
PCB-97	94000		23000	1400	pg/L	10		1668C	Total/NA
PCB-98	5500	J	7600	1500	pg/L	10		1668C	Total/NA
PCB-99	93000	B	3800	1500	pg/L	10		1668C	Total/NA
PCB-101	170000	B	11000	1400	pg/L	10		1668C	Total/NA
PCB-102	5500	J	7600	1500	pg/L	10		1668C	Total/NA
PCB-105	38000		1300	1300	pg/L	10		1668C	Total/NA
PCB-107	3500	J	7600	1200	pg/L	10		1668C	Total/NA
PCB-108	94000		23000	1400	pg/L	10		1668C	Total/NA
PCB-109	9700		3800	1100	pg/L	10		1668C	Total/NA
PCB-110	180000	B	7600	1200	pg/L	10		1668C	Total/NA
PCB-113	170000	B	3800	1400	pg/L	10		1668C	Total/NA
PCB-114	1700		1200	1200	pg/L	10		1668C	Total/NA
PCB-115	180000	B	7600	1200	pg/L	10		1668C	Total/NA
PCB-116	23000		11000	1300	pg/L	10		1668C	Total/NA
PCB-117	23000		11000	1300	pg/L	10		1668C	Total/NA
PCB-118	120000	B	1300	1300	pg/L	10		1668C	Total/NA
PCB-119	94000		23000	1400	pg/L	10		1668C	Total/NA
PCB-124	3500	J	7600	1200	pg/L	10		1668C	Total/NA
PCB-125	94000		23000	1400	pg/L	10		1668C	Total/NA
PCB-128	17000		7600	500	pg/L	10		1668C	Total/NA
PCB-129	130000	B	11000	660	pg/L	10		1668C	Total/NA
PCB-130	6400		3800	640	pg/L	10		1668C	Total/NA
PCB-131	1400	J	3800	610	pg/L	10		1668C	Total/NA
PCB-132	37000		3800	610	pg/L	10		1668C	Total/NA
PCB-133	1100	J	3800	600	pg/L	10		1668C	Total/NA
PCB-134	5700	J	7600	620	pg/L	10		1668C	Total/NA
PCB-135	24000		7600	570	pg/L	10		1668C	Total/NA
PCB-136	11000		3800	430	pg/L	10		1668C	Total/NA
PCB-137	5700		3800	540	pg/L	10		1668C	Total/NA
PCB-138	130000	B	11000	660	pg/L	10		1668C	Total/NA
PCB-139	1900	J	7600	530	pg/L	10		1668C	Total/NA
PCB-140	1900	J	7600	530	pg/L	10		1668C	Total/NA
PCB-141	13000		3800	570	pg/L	10		1668C	Total/NA
PCB-143	5700	J	7600	620	pg/L	10		1668C	Total/NA
PCB-144	2800	J	3800	550	pg/L	10		1668C	Total/NA
PCB-146	12000		3800	540	pg/L	10		1668C	Total/NA
PCB-147	64000	B	7600	540	pg/L	10		1668C	Total/NA
PCB-149	64000	B	7600	540	pg/L	10		1668C	Total/NA
PCB-151	24000		7600	570	pg/L	10		1668C	Total/NA
PCB-153	64000	B	7600	440	pg/L	10		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: OUTFALL 001 (Continued)

Lab Sample ID: 480-133414-2

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-156	17000	B	760	150	pg/L	10		1668C	Total/NA
PCB-157	17000	B	760	150	pg/L	10		1668C	Total/NA
PCB-158	9800		3800	400	pg/L	10		1668C	Total/NA
PCB-159	240	J	3800	110	pg/L	10		1668C	Total/NA
PCB-162	450	J	3800	110	pg/L	10		1668C	Total/NA
PCB-163	130000	B	11000	660	pg/L	10		1668C	Total/NA
PCB-164	6800		3800	430	pg/L	10		1668C	Total/NA
PCB-166	17000		3800	500	pg/L	10		1668C	Total/NA
PCB-167	5500		380	97	pg/L	10		1668C	Total/NA
PCB-168	64000	B	7600	440	pg/L	10		1668C	Total/NA
PCB-170	14000		3800	130	pg/L	10		1668C	Total/NA
PCB-171	4400	J	7600	120	pg/L	10		1668C	Total/NA
PCB-172	2100	J	3800	120	pg/L	10		1668C	Total/NA
PCB-173	4400	J	7600	120	pg/L	10		1668C	Total/NA
PCB-174	10000		3800	120	pg/L	10		1668C	Total/NA
PCB-175	430	J	3800	29	pg/L	10		1668C	Total/NA
PCB-176	910	J	3800	21	pg/L	10		1668C	Total/NA
PCB-177	6300		3800	120	pg/L	10		1668C	Total/NA
PCB-178	1300	J	3800	30	pg/L	10		1668C	Total/NA
PCB-179	2400	J	3800	22	pg/L	10		1668C	Total/NA
PCB-180	22000	B	7600	99	pg/L	10		1668C	Total/NA
PCB-181	340	J	3800	110	pg/L	10		1668C	Total/NA
PCB-183	5500	B	3800	100	pg/L	10		1668C	Total/NA
PCB-185	730	J	3800	110	pg/L	10		1668C	Total/NA
PCB-187	7600		3800	28	pg/L	10		1668C	Total/NA
PCB-189	610		380	63	pg/L	10		1668C	Total/NA
PCB-190	2200	J	3800	86	pg/L	10		1668C	Total/NA
PCB-191	510	J	3800	89	pg/L	10		1668C	Total/NA
PCB-193	22000	B	7600	99	pg/L	10		1668C	Total/NA
PCB-194	3200	J	3800	59	pg/L	10		1668C	Total/NA
PCB-195	1000	J	3800	61	pg/L	10		1668C	Total/NA
PCB-196	1300	J	3800	28	pg/L	10		1668C	Total/NA
PCB-197	120	J	3800	20	pg/L	10		1668C	Total/NA
PCB-198	3700	J	7600	30	pg/L	10		1668C	Total/NA
PCB-199	3700	J	7600	30	pg/L	10		1668C	Total/NA
PCB-200	380	J	3800	21	pg/L	10		1668C	Total/NA
PCB-201	400	J	3800	20	pg/L	10		1668C	Total/NA
PCB-202	730	J	3800	25	pg/L	10		1668C	Total/NA
PCB-203	1900	J	3800	27	pg/L	10		1668C	Total/NA
PCB-205	190	J	3800	44	pg/L	10		1668C	Total/NA
PCB-206	2800	J	3800	77	pg/L	10		1668C	Total/NA
PCB-207	330	J	3800	50	pg/L	10		1668C	Total/NA
PCB-208	930	J	3800	56	pg/L	10		1668C	Total/NA
PCB-209	900	J B	3800	45	pg/L	10		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-133414-1

Date Collected: 03/30/18 08:55

Matrix: Water

Date Received: 03/31/18 01:00

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	13000		960	98	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-2	1500		960	75	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-3	6300	B	960	79	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-4	140000	E	960	340	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-5	13000	G	1100	1100	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-6	82000	G	1100	1100	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-7	14000	G	1100	1100	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-8	400000	G E	1100	1100	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-9	26000	G	1200	1200	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-10	5400		960	230	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-11	5700	B G	1100	1100	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-12	23000		1900	1100	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-13	23000		1900	1100	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-14	ND		960	950	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-15	150000	E G	1200	1200	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-16	250000	G E	1000	1000	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-17	240000	E	960	780	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-18	510000	E	1900	680	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-19	73000	G	1200	1200	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-20	650000	B G E	2600	2600	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-21	410000	G E	2400	2400	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-22	250000	G E	2700	2700	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-23	ND	G	2500	2500	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-24	11000		960	610	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-25	55000	G	2500	2500	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-26	120000	G	2500	2500	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-27	37000		960	590	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-28	650000	B G E	2600	2600	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-29	120000	G	2500	2500	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-30	510000	E	1900	680	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-31	600000	B G E	2400	2400	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-32	130000	E	960	560	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-33	410000	G E	2400	2400	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-34	ND	G	2600	2600	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-35	6200	G	2600	2600	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-36	ND	G	2400	2400	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-37	130000	E G	2400	2400	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-38	ND	G	2600	2600	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-39	ND	G	2300	2300	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-40	170000	G	2900	2900	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-41	63000	G	4000	4000	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-42	110000	G E	3300	3300	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-43	18000	G	3400	3400	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-44	350000	B E	2900	2900	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-45	38000	G	3100	3100	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-46	31000	G	3600	3600	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-47	350000	B E	2900	2900	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-48	110000	G E	3100	3100	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-49	200000	B G E	2500	2500	pg/L		04/10/18 09:56	04/19/18 22:13	5

TestAmerica Buffalo

Client Sample Results

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-133414-1

Date Collected: 03/30/18 08:55

Matrix: Water

Date Received: 03/31/18 01:00

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	64000	G	3000	3000	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-51	57000	B G	3200	3200	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-52	320000	B G E	3200	3200	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-53	64000	G	3000	3000	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-54	1200		960	6.4	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-55	1900		960	290	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-56	35000		960	300	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-57	1800		960	290	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-58	2100		960	280	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-59	39000		2900	2300	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-60	19000		960	290	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-61	250000	B	3800	280	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-62	39000		2900	2300	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-63	8700		960	260	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-64	150000	G E	2100	2100	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-65	350000	B E	2900	2900	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-66	110000	E	960	290	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-67	11000		960	270	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-68	480	J B	960	260	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-69	200000	B G E	2500	2500	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-70	250000	B	3800	280	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-71	170000	G	2900	2900	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-72	1400		960	270	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-73	ND	G	2400	2400	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-74	250000	B	3800	280	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-75	39000		2900	2300	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-76	250000	B	3800	280	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-77	5000	G	310	310	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-78	ND		960	290	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-79	340	J	960	250	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-80	ND		960	250	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-81	ND	G	310	310	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-82	7200		960	610	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-83	ND		960	550	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-84	24000		960	560	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-85	8500		2900	400	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-86	34000		5800	410	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-87	34000		5800	410	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-88	19000	B	1900	470	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-89	1200	q	960	520	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-90	50000	B	2900	420	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-91	19000	B	1900	470	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-92	9700		960	500	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-93	1400	J	1900	480	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-94	1300		960	500	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-95	81000		960	470	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-96	3100		960	10	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-97	34000		5800	410	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-98	8900		1900	460	pg/L		04/10/18 09:56	04/19/18 22:13	5

TestAmerica Buffalo

Client Sample Results

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-133414-1

Date Collected: 03/30/18 08:55

Matrix: Water

Date Received: 03/31/18 01:00

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	24000	B	960	440	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-100	1400	J	1900	480	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-101	50000	B	2900	420	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-102	8900		1900	460	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-103	880	J	960	430	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-104	41	J	960	8.5	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-105	20000	G	440	440	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-106	ND		960	350	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-107	1400	J	1900	360	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-108	34000		5800	410	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-109	2400		960	340	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-110	51000	B	1900	370	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-111	ND		960	350	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-112	ND		960	360	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-113	50000	B	960	420	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-114	1100	G	420	420	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-115	51000	B	1900	370	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-116	8500		2900	400	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-117	8500		2900	400	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-118	40000	B G	400	400	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-119	34000		5800	410	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-120	ND		960	340	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-121	ND		960	340	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-122	500	J	960	410	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-123	600	G	390	390	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-124	1400	J	1900	360	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-125	34000		5800	410	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-126	ND	G	520	520	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-127	ND		960	370	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-128	5800		1900	64	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-129	49000	B	2900	85	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-130	2300		960	83	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-131	590	J	960	79	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-132	14000		960	79	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-133	420	J	960	77	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-134	2100		1900	80	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-135	12000		1900	74	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-136	4700		960	55	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-137	2000		960	70	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-138	49000	B	2900	85	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-139	680	J	1900	69	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-140	680	J	1900	69	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-141	6800		960	73	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-142	ND		960	81	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-143	2100		1900	80	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-144	1700		960	71	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-145	ND		960	54	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-146	4600		960	69	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-147	28000	B	1900	70	pg/L		04/10/18 09:56	04/19/18 22:13	5

TestAmerica Buffalo

Client Sample Results

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-133414-1

Date Collected: 03/30/18 08:55

Matrix: Water

Date Received: 03/31/18 01:00

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		960	70	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-149	28000	B	1900	70	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-150	ND		960	50	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-151	12000		1900	74	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-152	ND		960	52	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-153	26000	B	1900	57	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-154	ND		960	60	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-155	ND		960	39	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-156	5600	B	190	48	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-157	5600	B	190	48	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-158	4100		960	52	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-159	230	J	960	30	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-160	ND		960	38	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-161	ND		960	54	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-162	130	J	960	29	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-163	49000	B	2900	85	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-164	2400		960	56	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-165	ND		960	60	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-166	5800		960	64	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-167	1600		96	26	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-168	26000	B	1900	57	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-169	ND		96	36	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-170	6400		960	53	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-171	2300		1900	51	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-172	1200		960	50	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-173	2300		1900	51	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-174	8600		960	52	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-175	310	J	960	7.2	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-176	920	J	960	5.1	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-177	4300		960	52	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-178	1500		960	7.5	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-179	3200		960	5.5	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-180	17000	B	1900	41	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-181	79	J	960	46	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-182	35	J	960	6.7	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-183	4700	B	960	44	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-184	13	J	960	5.7	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-185	900	J	960	45	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-186	ND		960	5.4	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-187	9200		960	6.8	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-188	14	J	960	4.9	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-189	300		96	12	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-190	1200		960	36	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-191	260	J	960	37	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-192	ND		960	39	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-193	17000	B	1900	41	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-194	3800		960	13	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-195	1300		960	13	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-196	1900		960	16	pg/L		04/10/18 09:56	04/19/18 22:13	5

TestAmerica Buffalo

Client Sample Results

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-133414-1

Date Collected: 03/30/18 08:55

Matrix: Water

Date Received: 03/31/18 01:00

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	170	J	960	12	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-198	6700		1900	17	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-199	6700		1900	17	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-200	680	J	960	12	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-201	790	J	960	12	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-202	1500		960	11	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-203	3600		960	16	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-204	ND		960	12	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-205	200	J	960	13	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-206	5900		960	21	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-207	610	J	960	11	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-208	1900		960	12	pg/L		04/10/18 09:56	04/19/18 22:13	5
PCB-209	1800	B	960	12	pg/L		04/10/18 09:56	04/19/18 22:13	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-1L	76		5 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-3L	87		5 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-4L	82		5 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-15L	93		5 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-19L	56		5 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-37L	120		5 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-54L	94		5 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-77L	106		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-81L	108		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-104L	91		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-105L	81		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-114L	83		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-118L	86		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-123L	90		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-126L	73		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-155L	126		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-156L	99		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-156L/157L	99		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-157L	99		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-167L	109		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-169L	84		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-188L	164	*	10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-189L	104		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-202L	138		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-205L	93		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-206L	93		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-208L	102		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-209L	83		10 - 145				04/10/18 09:56	04/19/18 22:13	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-28L	118		5 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-111L	92		10 - 145				04/10/18 09:56	04/19/18 22:13	5
PCB-178L	98		10 - 145				04/10/18 09:56	04/19/18 22:13	5

TestAmerica Buffalo

Client Sample Results

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: OUTFALL 001

Lab Sample ID: 480-133414-2

Date Collected: 03/30/18 16:14

Matrix: Water

Date Received: 03/31/18 01:00

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	3000	J	3800	46	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-2	320	J	3800	41	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-3	1200	J B	3800	49	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-4	29000		3800	140	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-5	3700	J	3800	410	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-6	19000		3800	420	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-7	3000	J	3800	410	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-8	87000		3800	420	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-9	6000		3800	450	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-10	1400	J	3800	110	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-11	1700	J B	3800	410	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-12	3800	J	7600	410	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-13	3800	J	7600	410	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-14	ND		3800	360	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-15	29000		3800	490	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-16	43000		3800	310	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-17	42000		3800	240	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-18	96000		7600	210	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-19	13000		3800	240	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-20	120000	B	7600	710	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-21	75000		7600	660	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-22	46000		3800	740	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-23	ND		3800	670	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-24	2000	J	3800	180	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-25	10000		3800	680	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-26	22000		7600	670	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-27	6100		3800	180	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-28	120000	B	7600	710	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-29	22000		7600	670	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-30	96000		7600	210	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-31	110000	B	3800	660	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-32	26000		3800	170	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-33	75000		7600	660	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-34	ND		3800	700	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-35	ND		3800	710	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-36	ND		3800	650	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-37	24000		3800	900	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-38	ND		3800	720	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-39	ND		3800	640	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-40	44000		7600	1600	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-41	11000		3800	2200	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-42	26000		3800	1800	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-43	ND		3800	1800	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-44	100000	B	11000	1600	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-45	14000		3800	1700	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-46	7400		3800	2000	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-47	100000	B	11000	1600	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-48	20000		3800	1700	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-49	74000	B	7600	1400	pg/L		04/10/18 09:56	04/19/18 20:58	10

TestAmerica Buffalo

Client Sample Results

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: OUTFALL 001

Lab Sample ID: 480-133414-2

Date Collected: 03/30/18 16:14

Matrix: Water

Date Received: 03/31/18 01:00

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	19000		7600	1600	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-51	7100	B	3800	1700	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-52	160000	B	3800	1700	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-53	19000		7600	1600	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-54	300	J	3800	20	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-55	ND		3800	440	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-56	18000		3800	450	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-57	ND		3800	440	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-58	3200	J	3800	430	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-59	8100	J	11000	1200	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-60	7000		3800	440	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-61	110000	B	15000	420	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-62	8100	J	11000	1200	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-63	2400	J	3800	390	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-64	33000		3800	1100	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-65	100000	B	11000	1600	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-66	60000		3800	440	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-67	2200	J	3800	410	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-68	920	J B	3800	390	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-69	74000	B	7600	1400	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-70	110000	B	15000	420	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-71	44000		7600	1600	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-72	1700	J	3800	410	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-73	2600	J	3800	1300	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-74	110000	B	15000	420	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-75	8100	J	11000	1200	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-76	110000	B	15000	420	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-77	2600		500	500	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-78	ND		3800	430	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-79	890	J	3800	380	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-80	ND		3800	370	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-81	ND		520	520	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-82	13000		3800	2000	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-83	ND		3800	1800	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-84	54000		3800	1900	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-85	23000		11000	1300	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-86	94000		23000	1400	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-87	94000		23000	1400	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-88	25000	B	7600	1500	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-89	ND		3800	1700	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-90	170000	B	11000	1400	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-91	25000	B	7600	1500	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-92	36000		3800	1600	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-93	ND		7600	1600	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-94	ND		3800	1600	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-95	150000		3800	1500	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-96	1400	J	3800	19	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-97	94000		23000	1400	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-98	5500	J	7600	1500	pg/L		04/10/18 09:56	04/19/18 20:58	10

TestAmerica Buffalo

Client Sample Results

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: OUTFALL 001

Lab Sample ID: 480-133414-2

Date Collected: 03/30/18 16:14

Matrix: Water

Date Received: 03/31/18 01:00

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	93000	B	3800	1500	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-100	ND		7600	1600	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-101	170000	B	11000	1400	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-102	5500	J	7600	1500	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-103	ND		3800	1400	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-104	ND		3800	21	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-105	38000		1300	1300	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-106	ND		3800	1200	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-107	3500	J	7600	1200	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-108	94000		23000	1400	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-109	9700		3800	1100	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-110	180000	B	7600	1200	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-111	ND		3800	1100	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-112	ND		3800	1200	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-113	170000	B	3800	1400	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-114	1700		1200	1200	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-115	180000	B	7600	1200	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-116	23000		11000	1300	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-117	23000		11000	1300	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-118	120000	B	1300	1300	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-119	94000		23000	1400	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-120	ND		3800	1100	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-121	ND		3800	1100	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-122	ND		3800	1300	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-123	ND		1300	1300	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-124	3500	J	7600	1200	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-125	94000		23000	1400	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-126	ND		1200	1200	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-127	ND		3800	1200	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-128	17000		7600	500	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-129	130000	B	11000	660	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-130	6400		3800	640	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-131	1400	J	3800	610	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-132	37000		3800	610	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-133	1100	J	3800	600	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-134	5700	J	7600	620	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-135	24000		7600	570	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-136	11000		3800	430	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-137	5700		3800	540	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-138	130000	B	11000	660	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-139	1900	J	7600	530	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-140	1900	J	7600	530	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-141	13000		3800	570	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-142	ND		3800	630	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-143	5700	J	7600	620	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-144	2800	J	3800	550	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-145	ND		3800	420	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-146	12000		3800	540	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-147	64000	B	7600	540	pg/L		04/10/18 09:56	04/19/18 20:58	10

TestAmerica Buffalo

Client Sample Results

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: OUTFALL 001

Lab Sample ID: 480-133414-2

Date Collected: 03/30/18 16:14

Matrix: Water

Date Received: 03/31/18 01:00

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		3800	550	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-149	64000	B	7600	540	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-150	ND		3800	390	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-151	24000		7600	570	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-152	ND		3800	400	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-153	64000	B	7600	440	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-154	ND		3800	470	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-155	ND		3800	580	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-156	17000	B	760	150	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-157	17000	B	760	150	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-158	9800		3800	400	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-159	240	J	3800	110	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-160	ND		3800	300	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-161	ND		3800	420	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-162	450	J	3800	110	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-163	130000	B	11000	660	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-164	6800		3800	430	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-165	ND		3800	460	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-166	17000		3800	500	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-167	5500		380	97	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-168	64000	B	7600	440	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-169	ND		380	100	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-170	14000		3800	130	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-171	4400	J	7600	120	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-172	2100	J	3800	120	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-173	4400	J	7600	120	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-174	10000		3800	120	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-175	430	J	3800	29	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-176	910	J	3800	21	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-177	6300		3800	120	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-178	1300	J	3800	30	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-179	2400	J	3800	22	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-180	22000	B	7600	99	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-181	340	J	3800	110	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-182	ND		3800	27	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-183	5500	B	3800	100	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-184	ND		3800	23	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-185	730	J	3800	110	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-186	ND		3800	22	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-187	7600		3800	28	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-188	ND		3800	35	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-189	610		380	63	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-190	2200	J	3800	86	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-191	510	J	3800	89	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-192	ND		3800	93	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-193	22000	B	7600	99	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-194	3200	J	3800	59	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-195	1000	J	3800	61	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-196	1300	J	3800	28	pg/L		04/10/18 09:56	04/19/18 20:58	10

TestAmerica Buffalo

Client Sample Results

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: OUTFALL 001

Lab Sample ID: 480-133414-2

Date Collected: 03/30/18 16:14

Matrix: Water

Date Received: 03/31/18 01:00

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	120	J	3800	20	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-198	3700	J	7600	30	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-199	3700	J	7600	30	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-200	380	J	3800	21	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-201	400	J	3800	20	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-202	730	J	3800	25	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-203	1900	J	3800	27	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-204	ND		3800	21	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-205	190	J	3800	44	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-206	2800	J	3800	77	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-207	330	J	3800	50	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-208	930	J	3800	56	pg/L		04/10/18 09:56	04/19/18 20:58	10
PCB-209	900	J B	3800	45	pg/L		04/10/18 09:56	04/19/18 20:58	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-1L	118		5 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-3L	113		5 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-4L	88		5 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-15L	78		5 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-19L	69		5 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-37L	123		5 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-54L	99		5 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-77L	94		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-81L	96		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-104L	92		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-105L	94		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-114L	99		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-118L	96		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-123L	99		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-126L	106		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-155L	99		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-156L	163	*	10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-156L/157L	163	*	10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-157L	163	*	10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-167L	153	*	10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-169L	156	*	10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-188L	67		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-189L	109		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-202L	83		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-205L	101		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-206L	98		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-208L	86		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-209L	105		10 - 145				04/10/18 09:56	04/19/18 20:58	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-28L	123		5 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-111L	82		10 - 145				04/10/18 09:56	04/19/18 20:58	10
PCB-178L	92		10 - 145				04/10/18 09:56	04/19/18 20:58	10

TestAmerica Buffalo

Surrogate Summary

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		PCB28L (5-145)	PCB111L (10-145)	PCB178L (10-145)
480-133414-1	INFLUENT	118	92	98
480-133414-2	OUTFALL 001	123	82	92
MB 320-217161/1-A	Method Blank	91	92	94

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		PCB28L (15-145)	PCB111L (40-145)	PCB178L (40-145)
LCS 320-217161/2-A	Lab Control Sample	79	78	80
LCSD 320-217161/3-A	Lab Control Sample Dup	94	91	96

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Isotope Dilution Summary

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB1L (5-145)	PCB3L (5-145)	PCB4L (5-145)	PCB15L (5-145)	PCB19L (5-145)	PCB37L (5-145)	PCB54L (5-145)	PCB77L (10-145)
480-133414-1	INFLUENT	76	87	82	93	56	120	94	106
480-133414-2	OUTFALL 001	118	113	88	78	69	123	99	94
MB 320-217161/1-A	Method Blank	76	84	78	92	82	101	76	105

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB81L (10-145)	PCB104L (10-145)	PCB105L (10-145)	P114L (10-145)	PCB118L (10-145)	PCB123L (10-145)	PCB126L (10-145)	PCB155L (10-145)
480-133414-1	INFLUENT	108	91	81	83	86	90	73	126
480-133414-2	OUTFALL 001	96	92	94	99	96	99	106	99
MB 320-217161/1-A	Method Blank	103	79	99	97	98	98	101	87

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB156L (10-145)	PCB-156L/157L (10-145)	PCB157L (10-145)	PCB167L (10-145)	PCB169L (10-145)	PCB188L (10-145)	PCB189L (10-145)	PCB202L (10-145)
480-133414-1	INFLUENT	99	99	99	109	84	164 *	104	138
480-133414-2	OUTFALL 001	163 *	163 *	163 *	153 *	156 *	67	109	83
MB 320-217161/1-A	Method Blank	112	112	112	109	112	75	100	77

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB205L (10-145)	PCB206L (10-145)	PCB208L (10-145)	PCB209L (10-145)
480-133414-1	INFLUENT	93	93	102	83
480-133414-2	OUTFALL 001	101	98	86	105
MB 320-217161/1-A	Method Blank	103	94	90	95

Surrogate Legend

- PCB1L = PCB-1L
- PCB3L = PCB-3L
- PCB4L = PCB-4L
- PCB15L = PCB-15L
- PCB19L = PCB-19L
- PCB37L = PCB-37L
- PCB54L = PCB-54L
- PCB77L = PCB-77L
- PCB81L = PCB-81L
- PCB104L = PCB-104L
- PCB105L = PCB-105L
- P114L = PCB-114L
- PCB118L = PCB-118L
- PCB123L = PCB-123L
- PCB126L = PCB-126L
- PCB155L = PCB-155L
- PCB156L = PCB-156L
- PCB-156L/157L = PCB-156L/157L
- PCB157L = PCB-157L
- PCB167L = PCB-167L
- PCB169L = PCB-169L
- PCB188L = PCB-188L
- PCB189L = PCB-189L
- PCB202L = PCB-202L
- PCB205L = PCB-205L
- PCB206L = PCB-206L

TestAmerica Buffalo

Isotope Dilution Summary

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

PCB208L = PCB-208L
PCB209L = PCB-209L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB1L (15-145)	PCB3L (15-145)	PCB4L (15-145)	PCB15L (15-145)	PCB19L (15-145)	PCB37L (15-145)	PCB54L (15-145)	PCB77L (40-145)
LCS 320-217161/2-A	Lab Control Sample	60	64	61	72	62	84	64	88
LCS 320-217161/3-A	Lab Control Sample Dup	70	74	71	85	74	99	80	102

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB81L (40-145)	PCB104L (40-145)	PCB105L (40-145)	P114L (40-145)	PCB118L (40-145)	PCB123L (40-145)	PCB126L (40-145)	PCB155L (40-145)
LCS 320-217161/2-A	Lab Control Sample	87	69	86	84	83	84	88	76
LCS 320-217161/3-A	Lab Control Sample Dup	102	81	97	96	96	95	98	90

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB156L (40-145)	PCB-156L/157L (40-145)	PCB157L (40-145)	PCB167L (40-145)	PCB169L (40-145)	PCB188L (40-145)	PCB189L (40-145)	PCB202L (40-145)
LCS 320-217161/2-A	Lab Control Sample	96	96	96	92	99	63	88	63
LCS 320-217161/3-A	Lab Control Sample Dup	107	107	107	102	106	76	96	73

		Percent Isotope Dilution Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	PCB205L (40-145)	PCB206L (40-145)	PCB208L (40-145)	PCB209L (40-145)
LCS 320-217161/2-A	Lab Control Sample	91	85	77	85
LCS 320-217161/3-A	Lab Control Sample Dup	100	93	86	94

Surrogate Legend

- PCB1L = PCB-1L
- PCB3L = PCB-3L
- PCB4L = PCB-4L
- PCB15L = PCB-15L
- PCB19L = PCB-19L
- PCB37L = PCB-37L
- PCB54L = PCB-54L
- PCB77L = PCB-77L
- PCB81L = PCB-81L
- PCB104L = PCB-104L
- PCB105L = PCB-105L
- P114L = PCB-114L
- PCB118L = PCB-118L
- PCB123L = PCB-123L
- PCB126L = PCB-126L
- PCB155L = PCB-155L
- PCB156L = PCB-156L
- PCB-156L/157L = PCB-156L/157L
- PCB157L = PCB-157L
- PCB167L = PCB-167L
- PCB169L = PCB-169L
- PCB188L = PCB-188L
- PCB189L = PCB-189L
- PCB202L = PCB-202L
- PCB205L = PCB-205L
- PCB206L = PCB-206L
- PCB208L = PCB-208L

TestAmerica Buffalo

Isotope Dilution Summary

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

PCB209L = PCB-209L

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

QC Sample Results

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-217161/1-A

Matrix: Water

Analysis Batch: 218481

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 217161

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		200	0.68	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-2	ND		200	0.51	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-3	1.06	J	200	0.52	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-4	ND		200	11	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-5	ND		200	8.0	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-6	ND		200	8.3	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-7	ND		200	8.0	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-8	ND		200	8.3	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-9	ND		200	8.8	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-10	ND		200	6.6	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-11	15.2	J	200	7.9	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-12	ND		400	8.1	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-13	ND		400	8.1	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-14	ND		200	7.0	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-15	ND		200	8.2	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-16	ND		200	1.7	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-17	ND		200	1.3	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-18	ND		400	1.2	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-19	ND		200	1.8	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-20	2.81	J	400	0.82	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-21	ND		400	0.76	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-22	ND		200	0.85	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-23	ND		200	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-24	ND		200	1.0	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-25	ND		200	0.79	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-26	ND		400	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-27	ND		200	1.0	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-28	2.81	J	400	0.82	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-29	ND		400	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-30	ND		400	1.2	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-31	1.95	J	200	0.76	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-32	ND		200	0.95	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-33	ND		400	0.76	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-34	ND		200	0.81	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-35	ND		200	0.82	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-36	ND		200	0.75	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-37	ND		200	0.83	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-38	ND		200	0.83	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-39	ND		200	0.74	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-40	ND		400	0.65	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-41	ND		200	0.88	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-42	ND		200	0.73	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-43	ND		200	0.74	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-44	7.02	J	600	0.64	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-45	ND		200	0.69	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-46	ND		200	0.80	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-47	7.02	J	600	0.64	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-48	ND		200	0.68	pg/L		04/10/18 09:56	04/17/18 17:21	1

TestAmerica Buffalo

QC Sample Results

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-217161/1-A

Matrix: Water

Analysis Batch: 218481

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 217161

Analyte	MB	MB	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-49	1.10	J	400	0.56	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-50	ND		400	0.66	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-51	2.26	J	200	0.71	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-52	3.16	J	200	0.71	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-53	ND		400	0.66	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-54	ND		200	0.58	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-55	ND		200	0.81	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-56	ND		200	0.83	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-57	ND		200	0.81	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-58	ND		200	0.79	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-59	ND		600	0.50	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-60	ND		200	0.81	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-61	2.97	J	800	0.77	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-62	ND		600	0.50	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-63	ND		200	0.72	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-64	ND		200	0.47	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-65	7.02	J	600	0.64	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-66	ND		200	0.82	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-67	ND		200	0.76	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-68	1.93	J	200	0.72	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-69	1.10	J	400	0.56	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-70	2.97	J	800	0.77	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-71	ND		400	0.65	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-72	ND		200	0.77	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-73	ND		200	0.53	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-74	2.97	J	800	0.77	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-75	ND		600	0.50	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-76	2.97	J	800	0.77	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-77	ND		20	0.89	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-78	ND		200	0.80	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-79	ND		200	0.71	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-80	ND		200	0.69	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-81	ND		20	0.89	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-82	ND		200	1.1	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-83	ND		200	1.0	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-84	ND		200	1.1	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-85	ND		600	0.76	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-86	ND		1200	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-87	ND		1200	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-88	3.11	J	400	0.88	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-89	ND		200	0.98	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-90	4.14	J	600	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-91	3.11	J	400	0.88	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-92	ND		200	0.93	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-93	ND		400	0.90	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-94	ND		200	0.94	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-95	ND		200	0.88	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-96	ND		200	0.48	pg/L		04/10/18 09:56	04/17/18 17:21	1

TestAmerica Buffalo

QC Sample Results

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-217161/1-A

Matrix: Water

Analysis Batch: 218481

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 217161

Analyte	MB	MB	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-97	ND		1200	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-98	ND		400	0.87	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-99	3.32	J	200	0.83	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-100	ND		400	0.90	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-101	4.14	J	600	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-102	ND		400	0.87	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-103	ND		200	0.81	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-104	ND		200	0.43	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-105	ND		20	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-106	ND		200	0.66	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-107	ND		400	0.68	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-108	ND		1200	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-109	ND		200	0.64	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-110	2.95	J	400	0.69	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-111	ND		200	0.65	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-112	ND		200	0.68	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-113	4.14	J	200	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-114	ND		20	0.77	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-115	2.95	J	400	0.69	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-116	ND		600	0.76	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-117	ND		600	0.76	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-118	2.56	J	20	0.74	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-119	ND		1200	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-120	ND		200	0.63	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-121	ND		200	0.64	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-122	ND		200	0.76	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-123	ND		20	0.77	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-124	ND		400	0.68	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-125	ND		1200	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-126	ND		20	0.78	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-127	ND		200	0.69	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-128	ND		400	0.62	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-129	3.30	J	600	0.82	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-130	ND		200	0.81	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-131	ND		200	0.77	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-132	ND		200	0.76	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-133	ND		200	0.75	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-134	ND		400	0.77	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-135	ND		400	0.72	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-136	ND		200	0.53	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-137	ND		200	0.68	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-138	3.30	J	600	0.82	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-139	ND		400	0.67	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-140	ND		400	0.67	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-141	ND		200	0.71	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-142	ND		200	0.79	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-143	ND		400	0.77	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-144	ND		200	0.69	pg/L		04/10/18 09:56	04/17/18 17:21	1

TestAmerica Buffalo

QC Sample Results

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-217161/1-A

Matrix: Water

Analysis Batch: 218481

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 217161

Analyte	MB	MB	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-145	ND		200	0.52	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-146	ND		200	0.67	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-147	2.04	J	400	0.68	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-148	ND		200	0.68	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-149	2.04	J	400	0.68	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-150	ND		200	0.49	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-151	ND		400	0.72	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-152	ND		200	0.50	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-153	1.66	J	400	0.56	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-154	ND		200	0.59	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-155	ND		200	0.51	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-156	0.987	J	40	0.59	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-157	0.987	J	40	0.59	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-158	ND		200	0.51	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-159	ND		200	0.42	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-160	ND		200	0.37	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-161	ND		200	0.53	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-162	ND		200	0.41	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-163	3.30	J	600	0.82	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-164	ND		200	0.54	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-165	ND		200	0.58	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-166	ND		200	0.62	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-167	ND		20	0.40	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-168	1.66	J	400	0.56	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-169	ND		20	0.42	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-170	ND		200	0.48	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-171	ND		400	0.47	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-172	ND		200	0.46	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-173	ND		400	0.47	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-174	ND		200	0.47	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-175	ND		200	0.58	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-176	ND		200	0.41	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-177	ND		200	0.47	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-178	ND		200	0.60	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-179	ND		200	0.44	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-180	0.721	J	400	0.38	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-181	ND		200	0.42	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-182	ND		200	0.54	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-183	1.17	J	200	0.40	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-184	ND		200	0.46	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-185	ND		200	0.41	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-186	ND		200	0.43	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-187	ND		200	0.55	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-188	ND		200	0.62	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-189	ND		20	0.39	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-190	ND		200	0.33	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-191	ND		200	0.34	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-192	ND		200	0.35	pg/L		04/10/18 09:56	04/17/18 17:21	1

TestAmerica Buffalo

QC Sample Results

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-217161/1-A

Matrix: Water

Analysis Batch: 218481

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 217161

Analyte	MB	MB	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-193	0.721	J	400	0.38	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-194	ND		200	0.57	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-195	ND		200	0.59	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-196	ND		200	0.46	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-197	ND		200	0.33	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-198	ND		400	0.48	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-199	ND		400	0.48	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-200	ND		200	0.35	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-201	ND		200	0.33	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-202	ND		200	0.46	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-203	ND		200	0.44	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-204	ND		200	0.35	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-205	ND		200	0.39	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-206	ND		200	1.1	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-207	ND		200	0.67	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-208	ND		200	0.72	pg/L		04/10/18 09:56	04/17/18 17:21	1
PCB-209	0.913	J	200	0.47	pg/L		04/10/18 09:56	04/17/18 17:21	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
PCB-1L	76		5 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-3L	84		5 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-4L	78		5 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-15L	92		5 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-19L	82		5 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-37L	101		5 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-54L	76		5 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-77L	105		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-81L	103		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-104L	79		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-105L	99		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-114L	97		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-118L	98		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-123L	98		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-126L	101		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-155L	87		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-156L	112		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-156L/157L	112		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-157L	112		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-167L	109		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-169L	112		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-188L	75		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-189L	100		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-202L	77		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-205L	103		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-206L	94		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-208L	90		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-209L	95		10 - 145	04/10/18 09:56	04/17/18 17:21	1

TestAmerica Buffalo

QC Sample Results

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-217161/1-A
Matrix: Water
Analysis Batch: 218481

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 217161

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
PCB-28L	91		5 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-111L	92		10 - 145	04/10/18 09:56	04/17/18 17:21	1
PCB-178L	94		10 - 145	04/10/18 09:56	04/17/18 17:21	1

Lab Sample ID: LCS 320-217161/2-A
Matrix: Water
Analysis Batch: 218481

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 217161

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
PCB-1	2000	2040		pg/L		102	60 - 135
PCB-3	2000	2040		pg/L		102	60 - 135
PCB-4	2000	1930		pg/L		96	60 - 135
PCB-15	2000	2010		pg/L		100	60 - 135
PCB-19	2000	2090		pg/L		104	60 - 135
PCB-37	2000	1970		pg/L		99	60 - 135
PCB-54	2000	2110		pg/L		106	60 - 135
PCB-77	2000	1980		pg/L		99	60 - 135
PCB-81	2000	2000		pg/L		100	60 - 135
PCB-104	2000	2000		pg/L		100	60 - 135
PCB-105	2000	1950		pg/L		97	60 - 135
PCB-114	2000	1930		pg/L		96	60 - 135
PCB-118	2000	1980		pg/L		99	60 - 135
PCB-123	2000	1950		pg/L		97	60 - 135
PCB-126	2000	1950		pg/L		97	60 - 135
PCB-155	2000	2000		pg/L		100	60 - 135
PCB-156	4000	4010		pg/L		100	60 - 135
PCB-157	4000	4010		pg/L		100	60 - 135
PCB-167	2000	1980		pg/L		99	60 - 135
PCB-169	2000	2000		pg/L		100	60 - 135
PCB-188	2000	2010		pg/L		100	60 - 135
PCB-189	2000	2000		pg/L		100	60 - 135
PCB-202	2000	2070		pg/L		103	60 - 135
PCB-205	2000	1960		pg/L		98	60 - 135
PCB-206	2000	2010		pg/L		100	60 - 135
PCB-208	2000	2080		pg/L		104	60 - 135
PCB-209	2000	2020		pg/L		101	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
PCB-1L	60		15 - 145
PCB-3L	64		15 - 145
PCB-4L	61		15 - 145
PCB-15L	72		15 - 145
PCB-19L	62		15 - 145
PCB-37L	84		15 - 145
PCB-54L	64		15 - 145
PCB-77L	88		40 - 145
PCB-81L	87		40 - 145
PCB-104L	69		40 - 145

TestAmerica Buffalo

QC Sample Results

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-217161/2-A

Matrix: Water

Analysis Batch: 218481

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 217161

<i>Isotope Dilution</i>	<i>LCS LCS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
PCB-105L	86		40 - 145
PCB-114L	84		40 - 145
PCB-118L	83		40 - 145
PCB-123L	84		40 - 145
PCB-126L	88		40 - 145
PCB-155L	76		40 - 145
PCB-156L	96		40 - 145
PCB-156L/157L	96		40 - 145
PCB-157L	96		40 - 145
PCB-167L	92		40 - 145
PCB-169L	99		40 - 145
PCB-188L	63		40 - 145
PCB-189L	88		40 - 145
PCB-202L	63		40 - 145
PCB-205L	91		40 - 145
PCB-206L	85		40 - 145
PCB-208L	77		40 - 145
PCB-209L	85		40 - 145

<i>Surrogate</i>	<i>LCS LCS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
PCB-28L	79		15 - 145
PCB-111L	78		40 - 145
PCB-178L	80		40 - 145

Lab Sample ID: LCSD 320-217161/3-A

Matrix: Water

Analysis Batch: 218481

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 217161

<i>Analyte</i>	<i>Spike Added</i>	<i>LCSD LCSD</i>		<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i>		<i>RPD</i>	
		<i>Result</i>	<i>Qualifier</i>				<i>Limits</i>	<i>RPD</i>	<i>Limit</i>	
PCB-1	2000	2060		pg/L		103	60 - 135	1	50	
PCB-3	2000	2060		pg/L		103	60 - 135	1	50	
PCB-4	2000	2000		pg/L		100	60 - 135	4	50	
PCB-15	2000	2040		pg/L		102	60 - 135	2	50	
PCB-19	2000	2130		pg/L		107	60 - 135	2	50	
PCB-37	2000	1980		pg/L		99	60 - 135	0	50	
PCB-54	2000	2120		pg/L		106	60 - 135	0	50	
PCB-77	2000	2020		pg/L		101	60 - 135	2	50	
PCB-81	2000	2030		pg/L		102	60 - 135	2	50	
PCB-104	2000	2060		pg/L		103	60 - 135	3	50	
PCB-105	2000	1990		pg/L		100	60 - 135	2	50	
PCB-114	2000	1960		pg/L		98	60 - 135	2	50	
PCB-118	2000	2000		pg/L		100	60 - 135	1	50	
PCB-123	2000	1980		pg/L		99	60 - 135	2	50	
PCB-126	2000	1980		pg/L		99	60 - 135	2	50	
PCB-155	2000	2060		pg/L		103	60 - 135	3	50	
PCB-156	4000	4060		pg/L		101	60 - 135	1	50	
PCB-157	4000	4060		pg/L		101	60 - 135	1	50	
PCB-167	2000	2040		pg/L		102	60 - 135	3	50	

TestAmerica Buffalo

QC Sample Results

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-217161/3-A

Matrix: Water

Analysis Batch: 218481

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 217161

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-169	2000	2060		pg/L		103	60 - 135	3	50
PCB-188	2000	2010		pg/L		100	60 - 135	0	50
PCB-189	2000	2020		pg/L		101	60 - 135	1	50
PCB-202	2000	2130		pg/L		107	60 - 135	3	50
PCB-205	2000	1990		pg/L		100	60 - 135	2	50
PCB-206	2000	2020		pg/L		101	60 - 135	1	50
PCB-208	2000	2100		pg/L		105	60 - 135	1	50
PCB-209	2000	2030		pg/L		102	60 - 135	1	50

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
PCB-1L	70		15 - 145
PCB-3L	74		15 - 145
PCB-4L	71		15 - 145
PCB-15L	85		15 - 145
PCB-19L	74		15 - 145
PCB-37L	99		15 - 145
PCB-54L	80		15 - 145
PCB-77L	102		40 - 145
PCB-81L	102		40 - 145
PCB-104L	81		40 - 145
PCB-105L	97		40 - 145
PCB-114L	96		40 - 145
PCB-118L	96		40 - 145
PCB-123L	95		40 - 145
PCB-126L	98		40 - 145
PCB-155L	90		40 - 145
PCB-156L	107		40 - 145
PCB-156L/157L	107		40 - 145
PCB-157L	107		40 - 145
PCB-167L	102		40 - 145
PCB-169L	106		40 - 145
PCB-188L	76		40 - 145
PCB-189L	96		40 - 145
PCB-202L	73		40 - 145
PCB-205L	100		40 - 145
PCB-206L	93		40 - 145
PCB-208L	86		40 - 145
PCB-209L	94		40 - 145

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
PCB-28L	94		15 - 145
PCB-111L	91		40 - 145
PCB-178L	96		40 - 145

QC Association Summary

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Specialty Organics

Prep Batch: 217161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-133414-1	INFLUENT	Total/NA	Water	HRMS-Sep	
480-133414-2	OUTFALL 001	Total/NA	Water	HRMS-Sep	
MB 320-217161/1-A	Method Blank	Total/NA	Water	HRMS-Sep	
LCS 320-217161/2-A	Lab Control Sample	Total/NA	Water	HRMS-Sep	
LCSD 320-217161/3-A	Lab Control Sample Dup	Total/NA	Water	HRMS-Sep	

Analysis Batch: 218481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-217161/1-A	Method Blank	Total/NA	Water	1668C	217161
LCS 320-217161/2-A	Lab Control Sample	Total/NA	Water	1668C	217161
LCSD 320-217161/3-A	Lab Control Sample Dup	Total/NA	Water	1668C	217161

Analysis Batch: 218857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-133414-1	INFLUENT	Total/NA	Water	1668C	217161
480-133414-2	OUTFALL 001	Total/NA	Water	1668C	217161

Lab Chronicle

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-133414-1

Date Collected: 03/30/18 08:55

Matrix: Water

Date Received: 03/31/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sep			217161	04/10/18 09:56	A1A	TAL SAC
Total/NA	Analysis	1668C		5	218857	04/19/18 22:13	KSS	TAL SAC

Client Sample ID: OUTFALL 001

Lab Sample ID: 480-133414-2

Date Collected: 03/30/18 16:14

Matrix: Water

Date Received: 03/31/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sep			217161	04/10/18 09:56	A1A	TAL SAC
Total/NA	Analysis	1668C		10	218857	04/19/18 20:58	KSS	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



Accreditation/Certification Summary

Client: Metalico Rochester Inc
 Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

Laboratory: TestAmerica Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-020	01-20-21
Arizona	State Program	9	AZ0708	08-11-18
Arkansas DEQ	State Program	6	88-0691	06-17-18
California	State Program	9	2897	01-31-19
Colorado	State Program	8	CA00044	08-31-18
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-18
Georgia	State Program	4	N/A	01-28-19
Hawaii	State Program	9	N/A	01-29-19
Illinois	NELAP	5	200060	03-17-19
Kansas	NELAP	7	E-10375	10-31-18
L-A-B	DoD ELAP		L2468	01-20-21
Louisiana	NELAP	6	30612	06-30-18
Maine	State Program	1	CA0004	04-14-20
Michigan	State Program	5	9947	01-31-20
Nevada	State Program	9	CA00044	07-31-18
New Hampshire	NELAP	1	2997	04-18-18 *
New Jersey	NELAP	2	CA005	06-30-18
New York	NELAP	2	11666	03-31-19
Oregon	NELAP	10	4040	01-29-19
Pennsylvania	NELAP	3	68-01272	03-31-19
Texas	NELAP	6	T104704399	05-31-18
US Fish & Wildlife	Federal		LE148388-0	07-31-18
USDA	Federal		P330-11-00436	01-17-21
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-19
Virginia	NELAP	3	460278	03-14-19
Washington	State Program	10	C581	05-05-18
West Virginia (DW)	State Program	3	9930C	12-31-18
Wyoming	State Program	8	8TMS-L	01-28-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Method	Method Description	Protocol	Laboratory
1668C	Chlorinated Biphenyl Congeners (HRGC/HRMS)	EPA	TAL SAC
HRMS-Sep	Separatory Funnel (Liquid-Liquid) Extraction	EPA	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

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Sample Summary

Client: Metalico Rochester Inc
Project/Site: Metalico Outfalls

TestAmerica Job ID: 480-133414-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-133414-1	INFLUENT	Water	03/30/18 08:55	03/31/18 01:00
480-133414-2	OUTFALL 001	Water	03/30/18 16:14	03/31/18 01:00

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TestAmerica Buffalo
 10 Hazelwood Drive
 Amherst, NY 14228-2298
 Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Information
 Client Contact: Ginny Hopkins
 Address: 443 Electronics Parkway
 City: Liverpool
 State, Zip: NY 13206
 Phone: 315-463-9500
 Email: metalice@bartochemical.com
 Project Name: Metallco - PCB 1668C
 Site: Metallco Site

Company: Metallco Site
Address: 443 Electronics Parkway
City: Liverpool
State, Zip: NY 13206
Phone: 315-463-9500
Email: metalice@bartochemical.com
Project Name: Metallco - PCB 1668C
Site: Metallco Site

Due Date Requested: 5/14/18
TAT Requested (days): 5

PO #: 39118
WO #: 48014254

Sample ID: 315-744-0538

Lab P/N: Johnson, Oriette S
E-Mail: oriette.johnson@testamericainc.com

COC No.: 480-108720-22422.1
Page: Page 1 of 1
Job #: 480-133414 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, T=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform M/MSD (Yes or No)	1668C - Full List (209)	Total Number of Containers	Special Instructions/Note:	Analysis Requested	
										Preservation Code:	Other:
Influent	3/30/18	8:55	G	Water	N	N					
Outfall 001	3/30/18	9:14	G	Water	N	N					

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify) _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/OC Requirements: _____

Empty Kit Relinquished by: _____ Date: _____
Relinquished by: Ginny Hopkins Date/Time: 3-30-18, 11:15
Relinquished by: Rory Higgins Date/Time: 3-30-18, 19:02
Relinquished by: _____ Date/Time: _____

Company: SynMet
Company: Syn
Company: _____

Received by: Rory Higgins Date/Time: 3-30-18, 11:15
Received by: Rory Higgins Date/Time: 3-31-18, 01:00
Received by: _____ Date/Time: _____

Cooler Temperature(s) °C and Other Remarks: 2.0 #1

483325 - Syracuse SC



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
009737

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Per # 159489-434 RITZ EXP 01/19

ORIGIN ID:DKKA (716) 691-2600
CHAR BRONSON
TEST AMERICA
10 HAZELWOOD

SHIP DATE: 02APR18
ACTWGT: 42.25 LB
CAD: 8466547CAFE3108

AMHERST, NY 14228
UNITED STATES US

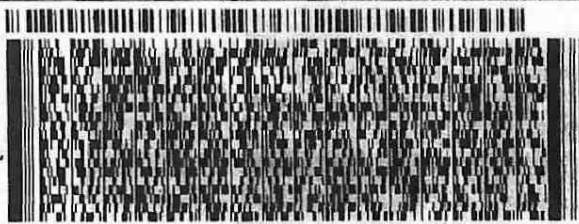
BILL RECIPIENT

TO **SAMPLE RECEIVING**
TA SACRAMENTO
880 RIVERSIDE PARKWAY

WEST SACRAMENTO CA 95605

(916) 378-5800
DEPT: SAMPLE CONTROL

REF: SACRAMENTO



FedEx
Express



CUS 10/SEP 2018
DATE
SIGNATURE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
009737

2 of 2

TUE - 03 APR 3:00P
STANDARD OVERNIGHT

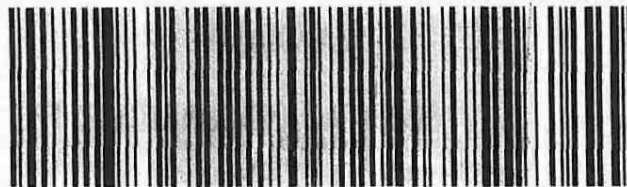
MPS# 0263 **4276 0716 5774**

Mstr# 4276 0716 5763

0201

XH BLUA

95605
CA-US **SMF**



RT 362
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Login Sample Receipt Checklist

Client: Metalico Rochester Inc

Job Number: 480-133414-1

Login Number: 133414

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	syr met
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Metalico Rochester Inc

Job Number: 480-133414-1

Login Number: 133414

List Number: 2

Creator: Her, David A

List Source: TestAmerica Sacramento

List Creation: 04/04/18 11:13 AM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	009737
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Attachment B

Action Items Taken and Scheduled

Metalico PCB Monitoring Plan First Quarter 2018 Progress Report

Action Item	2018 Q1 Action Items Planned or Completed			2018 Q2 Action Items Planned			2018 Q3 Action Items Planned			2018 Q4 Action Items Planned		
	Jan.	Feb.	March	April	May	June	July	August	September	October	November	December
Sweep turnings away from possible exposure to stormwater.	5, 12, 19, 26	2, 9, 16, 23	2, 9, 16, 23, 30	2, 9, 16, 23, 30	4, 11, 18, 25	1, 8, 15, 22, 29	6, 13, 20, 27	3, 10, 17, 24, 31	7, 14, 21, 28	5, 12, 19, 26	2, 9, 16, 23, 30	7, 14, 21, 28
Catch basin filter Insert inspection to determine if replacement needed.	5, 12, 19, 26	2, 9, 16, 23	2, 9, 16, 23, 30	2, 9, 16, 23, 30	4, 11, 18, 25	1, 8, 15, 22, 29	6, 13, 20, 27	3, 10, 17, 24, 31	7, 14, 21, 28	5, 12, 19, 26	2, 9, 16, 23, 30	7, 14, 21, 28
Inspect Pump house to ensure functioning.			30			29			28			28
Changed Sorbent Booms at Outfall 1 if needed.	26	23		30		29		31			30	28
Ribbon Drain Clean-out.			30			First Week			First Week			First Week
Skim Chamber surface solids.	26	23	30	30	25	29	27	31	28	26	30	28
Inspect catch basins for surface solids, and if skimming may be needed. Also, a possible vacuuming of all drains.	26	23	Total Vac - 30	30	25	Total Vac - 29	27	31	Total Vac - 28	26	30	Total Vac - 28
Total cleaning and filter media change out of Swirl system (Outfall 1).					May 1 - Stormwater system cleanout, Vacuum Outfall 2 sediment			Second Week & Inspect Outfall 2 for Sediment			Third Week & Inspect Outfall 2 for Sediment	
Flush and clean all five catch basins & associated lines in the yard.										Second Week		
Sampling of yard residues	24											
Removal of yard residues for disposal				Second Week (start)					Target Completion			
Separate incoming scrap from soils with trommel					First Week (start)							
Add cement barrier and absorbent socks to Drain #4					First Week							
Water sample sent to test for a more effective media filtering source.					Last Week							
Replacing two thirds of the north end of the yard surface								First week				
Entrance and turnings trough reconstruction								Last week				

Notes:

Manufacturer suggested filter change outs every 6 months.
 Manufacturer suggested total filter media clean out annually.