

SAMPLE RECEIPT FORM / CHEMICAL ANALYSIS FORM

FILE #: PR212568

CLIENT: Jacobs – Walla Walla
572 Hatch St.
Walla Walla, WA 99362
USAPhone: (509) 527-4509
Email: dara.osborne@CH2M.comRECEIVED BY: M. Wright
CONDITION: Okay, 20.3°C

DATE/TIME: August 4, 2021 (11:20 a.m.)

# of Containers	Sample Type	Sample (Client Codes)	Lab Codes	Test Requested
1	Water	072721CP-2201A	PR212568	209 PCB
1	Water	072821CP-1260	PR212569	209 PCB

STORAGE: Stored at 4°C.

ANALYTES: HRGC/HRMS analysis for polychlorinated biphenyls (209 congener PCB).

SPECIAL INSTRUCTIONS: None

METHODOLOGY

Reference Method: PCB: SOP LAB02; EPA Method 1668C

Data summarized in Data Report attached.

Report sent to: Dara Osborne

Date: August 17, 2021

Comments: Results relate only to samples as received.

The following flags or qualifiers have been used with this data set:

B: sample concentration is <5x concentration found in the blank
U: not detected at the concentration listed
J: sample concentration is less than lowest point on calibration curve
N: not detected due to incorrect ion ratio. Concentration report is EMPC.

David Hope, P.Chem., CEO

DATA REPORT

Client: Jacobs – Walla Walla
Client ID: 072721CP-2201A
Field ID:
PRL ID: PR212568

Contact: Dara Osborne
Date Extracted: 8/9/2021
Date Analysed: 8/13/2021
HRMS File: FS08132112

IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
2-MoCB	PCB-001	2051-60-7	8.4	8.4	UJ	25
3-MoCB	PCB-002	2051-61-8	10.6	10.6	UJ	25
4-MoCB	PCB-003	2051-62-9	15.9	15.9	UJ	25
2,6-DiCB	PCB-010	33146-45-1	7.8	7.8	UJ	25
2,2'-DiCB	PCB-004	13029-08-8	9.7	9.7	UJ	25
2,5-DiCB	PCB-009	34883-39-1	9.3	9.3	UJ	25
2,4-DiCB	PCB-007	33284-50-3	4.6	4.6	UJ	25
2,3'-DiCB	PCB-006	25569-80-6	6.3	6.3	UJ	25
2,3/2,4'-DiCB	PCB-005/008		92.9	5.9		25
3,5-DiCB	PCB-014	34883-41-5	6.1	6.1	UJ	25
3,3'-DiCB	PCB-011	2050-67-1	294	6.2		25
3,4/3,4'-DiCB	PCB-012/013		5.7	5.7	UJ	25
4,4'-DiCB	PCB-015	2050-68-2	43.7	5.3		25
2,2',6-TrCB	PCB-019	38444-73-4	13.3	13.3	UJ	25
2,4,6-TrCB	PCB-030	35693-92-6	11.8	11.8	UJ	25
2,2',5-TrCB	PCB-018	37680-65-2	140	12.9		25
2,2',4-TrCB	PCB-017	37680-66-3	44.8	15.2		25
2,3,6-TrCB	PCB-024	55702-45-9	10.5	10.5	UJ	25
2,3',6-TrCB	PCB-027	38444-76-7	8.4	8.4	UJ	25
2,4',6-TrCB	PCB-032	38444-77-8	11.2	11.2	UJ	25
2,2',3-TrCB	PCB-016	38444-78-9	11.8	11.8	UJ	25
2,3,5-TrCB	PCB-023	55720-44-0	7.2	7.2	UJ	25
2,3',5'-TrCB	PCB-034	37680-68-5	8.3	8.3	UJ	25
2,4,5-TrCB	PCB-029	15862-07-4	6.1	6.1	UJ	25
2,3',5-TrCB	PCB-026	38444-81-4	6.4	6.4	UJ	25
2,3',4-TrCB	PCB-025	55712-37-3	6.6	6.6	UJ	25
2,4',5-TrCB	PCB-031	16606-02-3	135	5.6		25
2,4,4'-TrCB	PCB-028	7012-37-5	122	5.9		25
2,3,4-TrCB	PCB-021	55702-46-0	9.4	9.4	UJ	25
	PCB-020/033		138	8.3		25
2,3,4'-TrCB	PCB-022	38444-85-8	93.7	8		25
3,3',5-TrCB	PCB-036	38444-87-0	7.9	7.9	UJ	25
3,4',5-TrCB	PCB-039	38444-88-1	6.5	6.5	UJ	25
3,4,5-TrCB	PCB-038	53555-66-1	9.5	9.5	UJ	25
3,3',4-TrCB	PCB-035	37680-69-6	8	8	UJ	25
3,4,4'-TrCB	PCB-037	38444-90-5	9	9	UJ	25
2,2',6,6'-TeCB	PCB-054	15968-05-5	6.6	6.6	UJ	25
2,2',4,6-TeCB	PCB-050	62796-65-0	8.6	8.6	UJ	25
2,2',5,6'-TeCB	PCB-053	41464-41-9	6.9	6.9	UJ	25
2,2',4,6'-TeCB	PCB-051	68194-04-7	7.5	7.5	UJ	25
2,2',3,6-TeCB	PCB-045	70362-45-7	9.8	9.8	UJ	25
2,2',3,6'-TeCB	PCB-046	41464-47-5	10.3	10.3	UJ	25
	PCB-052/069		254	7.9		25
2,3',5',6-TeCB	PCB-073	74338-23-1	5.8	5.8	UJ	25
	PCB-043/049		124	8.2		25
	PCB-065/075		8	8	UJ	25
	PCB-047/048		95.9	6.2		25
2,3,4,6-TeCB	PCB-062	54230-22-7	4.5	4.5	UJ	25
2,2',3,5'-TeCB	PCB-044	41464-39-5	255	13.5		25
2,3,3',6-TeCB	PCB-059	74472-33-6	5.6	5.6	UJ	25
2,2',3,4'-TeCB	PCB-042	36559-22-5	32.3	7.4		25

DATA REPORT

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IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
2,3',5,5'-TeCB	PCB-072	41464-42-0	75.3	7.7		25
	PCB-064/071		53.4	5.2		25
2,2',3,4'-TeCB	PCB-041	52663-59-9	4.4	4.4	UJ	25
2,3',4,5'-TeCB	PCB-068	73575-52-7	4.8	4.8	UJ	25
2,2',3,3'-TeCB	PCB-040	38444-93-8	9.4	9.4	UJ	25
2,3,3',5'-TeCB	PCB-057	70424-67-8	5.5	5.5	UJ	25
2,3',4,5'-TeCB	PCB-067	73575-53-8	6	6	UJ	25
2,3,4',5'-TeCB	PCB-058/063	74472-34-7	4.9	4.9	UJ	25
2,3,4,5'-TeCB	PCB-061	33284-53-6	6.5	6.5	UJ	25
2,4,4',5'-TeCB	PCB-074	32690-93-0	63.9	5.1		25
2,3',4',5'-TeCB	PCB-070	32598-11-1	283	6.6		25
2,3,3',4'-TeCB	PCB-055	74338-24-2	4.7	4.7	UJ	25
	PCB-066/080		91.5	4.7		25
2,3',4',5'-TeCB	PCB-076	70362-48-0	4.9	4.9	UJ	25
2,3,4,4'-TeCB	PCB-060	33025-41-1	130	6		25
2,3,3',4'-TeCB	PCB-056	41464-43-1	3.8	3.8	UJ	25
3,3',4,5'-TeCB	PCB-079	41464-48-6	4.7	4.7	UJ	25
3,3',4,5'-TeCB	PCB-078	70362-49-1	5.3	5.3	UJ	25
3,4,4',5'-TeCB	PCB-081	70362-50-4	5.1	5.1	UJ	25
3,3',4,4'-TeCB	PCB-077	32598-13-3	5	5	UJ	25
2,2',4,6,6'-PeCB	PCB-104	56558-16-8	9.3	9.3	UJ	25
2,2',3,6,6'-PeCB	PCB-096	73575-54-9	9.3	9.3	UJ	25
2,2',4,5',6'-PeCB	PCB-103	60145-21-3	10.2	10.2	UJ	25
2,2',4,4',6'-PeCB	PCB-100	39485-83-1	8.6	8.6	UJ	25
2,2',3,5,6'-PeCB	PCB-094	73575-55-0	10.1	10.1	UJ	25
	PCB-093/095/098/102		250	10.3		25
2,2',3,4,6'-PeCB	PCB-088	55215-17-3	14	14	UJ	25
2,2',3,4',6'-PeCB	PCB-091	68194-05-8	9.1	9.1	UJ	25
2,3',4,5',6'-PeCB	PCB-121	56558-18-0	6	6	UJ	25
	PCB-084/092		179	12.1		25
2,2',3,4,6'-PeCB	PCB-089	73575-57-2	12.2	12.2	UJ	25
2,2',3,4',5'-PeCB	PCB-090	68194-07-0	9.4	9.4	UJ	25
2,2',4,5,5'-PeCB	PCB-101	37680-73-2	273	7.5		25
2,3,3',5',6'-PeCB	PCB-113	68194-10-5	8.7	8.7	UJ	25
2,2',4,4',5'-PeCB	PCB-099	38380-01-7	94.2	7.5		25
	PCB-112/119		7.3	7.3	UJ	25
2,2',3,3',5'-PeCB	PCB-083	60145-20-2	17.5	17.5	UJ	25
2,3,3',4,6'-PeCB	PCB-109	74472-35-8	6.4	6.4	UJ	25
	PCB-086-097/117		156	11.8		25
	PCB-116/125		5.2	5.2	UJ	25
	PCB-087/115		157	8.2		25
2,3,3',5,5'-PeCB	PCB-111	39635-32-0	7.2	7.2	UJ	25
2,2',3,4,4'-PeCB	PCB-085	65510-45-4	67.2	9.2		25
	PCB-110/120		385	7.2		25
2,2',3,3',4'-PeCB	PCB-082	52663-62-4	10.8	10.8	UJ	25
2,3',4',5,5'-PeCB	PCB-124	70424-70-3	4.2	4.2	UJ	25
	PCB-107/108		4.5	4.5	UJ	25
2,3',4,4',5'-PeCB	PCB-123	65510-44-3	4.6	4.6	UJ	25
2,3,3',4,5'-PeCB	PCB-106	70424-69-0	5.4	5.4	UJ	25
2,3',4,4',5'-PeCB	PCB-118	31508-00-6	229	4.6		25
2,3,4,4',5'-PeCB	PCB-114	74472-37-0	4.4	4.4	UJ	25

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IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
2,3,3',4',5'-PeCB	PCB-122	76842-07-4	6.3	6.3	UJ	25
2,3,3',4,4'-PeCB	PCB-105	32598-14-4	111	4.5		25
3,3',4,5,5'-PeCB	PCB-127	39635-33-1	5.3	5.3	UJ	25
3,3',4,4',5'-PeCB	PCB-126	57465-28-8	4.3	4.3	UJ	25
2,2',4,4',6,6'-HxCB	PCB-155	33979-03-2	3.8	3.8	UJ	25
2,2',3,4',6,6'-HxCB	PCB-150	68194-08-1	1.6	1.6	UJ	25
2,2',3,5,6,6'-HxCB	PCB-152	68194-09-2	1.9	1.9	UJ	25
2,2',3,4,6,6'-HxCB	PCB-145	74472-40-5	1.7	1.7	UJ	25
2,2',3,3',6,6'-HxCB	PCB-136	38411-22-2	31.3	2.1		25
2,2',3,4',5,6'-HxCB	PCB-148	74472-41-6	2.3	2.3	UJ	25
2,2',4,4',5,6'-HxCB	PCB-154	60145-22-4	2	2	UJ	25
2,2',3,5,5',6'-HxCB	PCB-151	52663-63-5	45.8	2.7		25
2,2',3,3',5,6'-HxCB	PCB-135	52744-13-5	17.5	2.5	J	25
2,2',3,4,5',6'-HxCB	PCB-144	68194-14-9	2.5	2.5	UJ	25
2,2',3,4',5,6'-HxCB	PCB-147	68194-13-8	5.18	2.3	NJ	25
	PCB-139/149		83.2	1.6		25
2,2',3,4,4',6'-HxCB	PCB-140	59291-64-4	1.7	1.7	UJ	25
2,2',3,4,5,6'-HxCB	PCB-143	68194-15-0	2.1	2.1	UJ	25
2,2',3,3',5,6'-HxCB	PCB-134	52704-70-8	1.9	1.9	UJ	25
2,2',3,4,5,6'-HxCB	PCB-142	41411-61-4	3.1	3.1	UJ	25
2,2',3,3',5,5'-HxCB	PCB-133	35694-04-3	1.7	1.7	UJ	25
2,2',3,3',4,6'-HxCB	PCB-131	61798-70-7	2	2	UJ	25
2,3,3',5,5',6'-HxCB	PCB-165	74472-46-1	1.4	1.4	UJ	25
	PCB-132/146		61.2	1.6		25
2,3,3',4,5',6'-HxCB	PCB-161	74472-43-8	1.4	1.4	UJ	25
2,2',4,4',5,5'-HxCB	PCB-153	35065-27-1	168	1.7		25
2,3',4,4',5',6'-HxCB	PCB-168	59291-65-5	1.2	1.2	UJ	25
2,2',3,4,5,5'-HxCB	PCB-141	52712-04-6	22.7	1.8	J	25
2,2',3,4,4',5'-HxCB	PCB-137	35694-06-5	12.6	1.9	J	25
2,2',3,3',4,5'-HxCB	PCB-130	52663-66-8	14.4	2.2	J	25
	PCB-163/164		57.6	1.5		25
2,2',3,4,4',5'-HxCB	PCB-138	35065-28-2	209	2.3		25
2,3,3',4,5,6'-HxCB	PCB-160	41411-62-5	1.5	1.5	UJ	25
2,3,3',4,4',6'-HxCB	PCB-158	74472-42-7	12.3	1.4	J	25
2,2',3,3',4,5'-HxCB	PCB-129	55215-18-4	2.2	2.2	UJ	25
2,3,4,4',5,6'-HxCB	PCB-166	41411-63-6	1.6	1.6	UJ	25
2,3,3',4,5,5'-HxCB	PCB-159	39635-35-3	1.6	1.6	UJ	25
2,2',3,3',4,4'-HxCB	PCB-128	38380-07-3	31.5	2		25
2,3,3',4',5,5'-HxCB	PCB-162	39635-34-2	1.4	1.4	UJ	25
2,3',4,4',5,5'-HxCB	PCB-167	52663-72-6	1.6	1.6	UJ	25
2,3,3',4,4',5'-HxCB	PCB-156	38380-08-4	11.3	1.6	NJ	25
2,3,3',4,4',5'-HxCB	PCB-157	69782-90-7	1.7	1.7	UJ	25
3,3',4,4',5,5'-HxCB	PCB-169	32774-16-6	1.9	1.9	UJ	25
2,2',3,4',5,6,6'-HpCB	PCB-188	74487-85-7	1.8	1.8	UJ	25
2,2',3,4,4',6,6'-HpCB	PCB-184	74472-48-3	1.2	1.2	UJ	25
2,2',3,3',5,6,6'-HpCB	PCB-179	52663-64-6	16.3	1.3	J	25
2,2',3,3',4,6,6'-HpCB	PCB-176	52663-65-7	1.4	1.4	UJ	25
2,2',3,4,5,6,6'-HpCB	PCB-186	74472-49-4	1.3	1.3	UJ	25
2,2',3,3',5,5',6'-HpCB	PCB-178	52663-67-9	10.1	2.2	J	25
2,2',3,3',4,5',6'-HpCB	PCB-175	40186-70-7	2.3	2.3	UJ	25
	PCB-182/187		47	1.8		25

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IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
2,2',3,4,4',5',6-HpCB	PCB-183	52663-69-1	2	2	UJ	25
2,2',3,4,5,5',6-HpCB	PCB-185	52712-05-7	2	2	UJ	25
2,2',3,3',4,5,6'-HpCB	PCB-174	38411-25-5	53	2.5		25
2,2',3,4,4',5,6-HpCB	PCB-181	74472-47-2	2	2	UJ	25
2,2',3,3',4,5',6'-HpCB	PCB-177	52663-70-4	17.4	2.4	J	25
2,2',3,3',4,4',6-HpCB	PCB-171	52663-71-5	2.5	2.5	UJ	25
2,2',3,3',4,5,6-HpCB	PCB-173	68194-16-1	2.7	2.7	UJ	25
2,2',3,3',4,5,5'-HpCB	PCB-172	52663-74-8	2.7	2.7	UJ	25
2,3,3',4,5,5',6-HpCB	PCB-192	74472-51-8	1.8	1.8	UJ	25
2,2',3,4,4',5,5'-HpCB	PCB-180	35065-29-3	111	2.6		25
2,3,3',4',5,5',6-HpCB	PCB-193	69782-91-8	1.9	1.9	UJ	25
2,3,3',4,4',5',6-HpCB	PCB-191	74472-50-7	2	2	UJ	25
2,2',3,3',4,4',5-HpCB	PCB-170	35065-30-6	47	3		25
2,3,3',4,4',5,6-HpCB	PCB-190	41411-64-7	2.1	2.1	UJ	25
2,3,3',4,4',5,5'-HpCB	PCB-189	39635-31-9	1.5	1.5	UJ	25
2,2',3,3',5,5',6,6'-OoCB	PCB-202	2136-99-4	1	1	UJ	25
2,2',3,3',4,5',6,6'-OoCB	PCB-201	40186-71-8	0.7	0.7	UJ	25
2,2',3,4,4',5,6,6'-OoCB	PCB-204	74472-52-9	0.6	0.6	UJ	25
2,2',3,3',4,4',6,6'-OoCB	PCB-197	33091-17-7	0.6	0.6	UJ	25
2,2',3,3',4,5,6,6'-OoCB	PCB-200	52663-73-7	0.7	0.7	UJ	25
2,2',3,3',4,5,5',6-OoCB	PCB-198	68194-17-2	1.2	1.2	UJ	25
2,2',3,3',4,5,5',6'-OoCB	PCB-199	52663-75-9	20.6	1.1	J	25
2,2',3,3',4,4',5,6'-OoCB	PCB-196	42740-50-1	1.2	1.2	UJ	25
2,2',3,4,4',5,5',6-OoCB	PCB-203	52663-76-0	22.2	0.9	J	25
2,2',3,3',4,4',5,6-OoCB	PCB-195	52663-78-2	1.2	1.2	UJ	25
2,2',3,3',4,4',5,5'-OoCB	PCB-194	35694-08-7	32.7	1.4		25
2,3,3',4,4',5,5',6-OoCB	PCB-205	74472-53-0	0.8	0.8	UJ	25
2,2',3,3',4,5,5',6,6'-NoCB	PCB-208	52663-77-1	8.3	8.3	UJ	25
2,2',3,3',4,4',5,6,6'-NoCB	PCB-207	52663-79-3	6.8	6.8	UJ	25
2,2',3,3',4,4',5,5',6-NoCB	PCB-206	40186-72-9	10.3	10.3	UJ	25
2,2',3,3',4,4',5,5',6,6'-DeCB	PCB-209	2051-24-3	1.4	1.4	UJ	25

Homologs	# of Congeners			
Monochlorobiphenyls	3	8.4	8.4	UJ
Dichlorobiphenyls	12	431	4.6	
Trichlorobiphenyls	24	674	5.6	
Tetrachlorobiphenyls	42	1460	3.8	
Pentachlorobiphenyls	46	1900	4.2	
Hexachlorobiphenyls	42	767	1.2	
Heptachlorobiphenyls	24	302	1.2	
Octachlorobiphenyls	12	75.5	0.6	
Nonachlorobiphenyls	3	6.8	6.8	UJ
Decachlorobiphenyl	1	1.4	1.4	UJ
Total PCB		5610	0.6	

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IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
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Standard Recoveries			Acceptance	
Chemical Name	IUPAC #	%	Min	Max
¹³ C ₁₂ -2-MoCB	1L	12	5	145
¹³ C ₁₂ -4-MoCB	3L	6	5	145
¹³ C ₁₂ -2,2'-DiCB	4L	35	5	145
¹³ C ₁₂ -4,4'-DiCB	15L	39	5	145
¹³ C ₁₂ -2,2',6'-TrCB	19L	38	5	145
¹³ C ₁₂ -3,4,4'-TrCB	37L	53	5	145
¹³ C ₁₂ -2,2',6,6'-TeCB	54L	29	5	145
¹³ C ₁₂ -3,4,4',5'-TeCB	81L	62	5	145
¹³ C ₁₂ -3,3',4,4'-TeCB	77L	66	10	145
¹³ C ₁₂ -2,2',4,6,6'-PeCB	104L	20	10	145
¹³ C ₁₂ -2',3,4,4',5'-PeCB	123L	32	10	145
¹³ C ₁₂ -2,3',4,4',5'-PeCB	118L	30	10	145
¹³ C ₁₂ -2,3,4,4',5'-PeCB	114L	32	10	145
¹³ C ₁₂ -2,3,3',4,4'-PeCB	105L	33	10	145
¹³ C ₁₂ -3,3',4,4',5'-PeCB	126L	39	10	145
¹³ C ₁₂ -2,2',4,4',6,6'-HxCB	155L	25	10	145
¹³ C ₁₂ -2,3',4,4',5,5'-HxCB	167L	37	10	145
¹³ C ₁₂ -2,3,3',4,4',5'-HxCB	156L	36	10	145
¹³ C ₁₂ -2,3,3',4,4',5'-HxCB	157L	35	10	145
¹³ C ₁₂ -3,3',4,4',5,5'-HxCB	169L	32	10	145
¹³ C ₁₂ -2,2',3,4',5,6,6'-HpCB	188L	29	10	145
¹³ C ₁₂ -2,3,3',4,4',5,5'-HpCB	189L	39	10	145
¹³ C ₁₂ -2,2',3,3',5,5',6,6'-OcCB	202L	34	10	145
¹³ C ₁₂ -2,3,3',4,4',5,5',6'-OcCB	205L	36	10	145
¹³ C ₁₂ -2,2',3,3',4',5,5',6,6'-NoCB	208L	41	10	145
¹³ C ₁₂ -2,2',3,3',4,4',5,5',6'-NoCB	206L	38	10	145
¹³ C ₁₂ -DeCB	209L	36	10	145
¹³ C ₁₂ -2,4,4'-TrCB	28L	61	5	145
¹³ C ₁₂ -2,3,3',5,5'-PeCB	111L	69	10	145
¹³ C ₁₂ -2,2',3,3',5,5',6'-HpCB	178L	78	10	145

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IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
2-MoCB	PCB-001	2051-60-7	2.4	2.4	UJ	24.7
3-MoCB	PCB-002	2051-61-8	2.3	2.3	UJ	24.7
4-MoCB	PCB-003	2051-62-9	2.3	2.3	UJ	24.7
2,6-DiCB	PCB-010	33146-45-1	6.7	6.7	UJ	24.7
2,2'-DiCB	PCB-004	13029-08-8	8.4	8.4	UJ	24.7
2,5-DiCB	PCB-009	34883-39-1	8	8	UJ	24.7
2,4-DiCB	PCB-007	33284-50-3	3.9	3.9	UJ	24.7
2,3'-DiCB	PCB-006	25569-80-6	5.5	5.5	UJ	24.7
2,3/2,4'-DiCB	PCB-005/008		5.1	5.1	UJ	24.7
3,5-DiCB	PCB-014	34883-41-5	5.2	5.2	UJ	24.7
3,3'-DiCB	PCB-011	2050-67-1	34.6	5.3		24.7
3,4/3,4'-DiCB	PCB-012/013		4.9	4.9	UJ	24.7
4,4'-DiCB	PCB-015	2050-68-2	4.5	4.5	UJ	24.7
2,2',6-TrCB	PCB-019	38444-73-4	4.3	4.3	UJ	24.7
2,4,6-TrCB	PCB-030	35693-92-6	2.9	2.9	UJ	24.7
2,2',5-TrCB	PCB-018	37680-65-2	3	3	UJ	24.7
2,2',4-TrCB	PCB-017	37680-66-3	3.7	3.7	UJ	24.7
2,3,6-TrCB	PCB-024	55702-45-9	2.6	2.6	UJ	24.7
2,3',6-TrCB	PCB-027	38444-76-7	1.9	1.9	UJ	24.7
2,4',6-TrCB	PCB-032	38444-77-8	2.7	2.7	UJ	24.7
2,2',3-TrCB	PCB-016	38444-78-9	2.9	2.9	UJ	24.7
2,3,5-TrCB	PCB-023	55720-44-0	1.6	1.6	UJ	24.7
2,3',5'-TrCB	PCB-034	37680-68-5	2	2	UJ	24.7
2,4,5-TrCB	PCB-029	15862-07-4	1.4	1.4	UJ	24.7
2,3',5-TrCB	PCB-026	38444-81-4	1.5	1.5	UJ	24.7
2,3',4-TrCB	PCB-025	55712-37-3	1.5	1.5	UJ	24.7
2,4',5-TrCB	PCB-031	16606-02-3	7.65	1.3	NJ	24.7
2,4,4'-TrCB	PCB-028	7012-37-5	1.4	1.4	UJ	24.7
2,3,4-TrCB	PCB-021	55702-46-0	2.3	2.3	UJ	24.7
	PCB-020/033		2	2	UJ	24.7
2,3,4'-TrCB	PCB-022	38444-85-8	2	2	UJ	24.7
3,3',5-TrCB	PCB-036	38444-87-0	1.9	1.9	UJ	24.7
3,4',5-TrCB	PCB-039	38444-88-1	1.6	1.6	UJ	24.7
3,4,5-TrCB	PCB-038	53555-66-1	2.3	2.3	UJ	24.7
3,3',4-TrCB	PCB-035	37680-69-6	1.9	1.9	UJ	24.7
3,4,4'-TrCB	PCB-037	38444-90-5	1.9	1.9	UJ	24.7
2,2',6,6'-TeCB	PCB-054	15968-05-5	3	3	UJ	24.7
2,2',4,6-TeCB	PCB-050	62796-65-0	4.1	4.1	UJ	24.7
2,2',5,6'-TeCB	PCB-053	41464-41-9	3.3	3.3	UJ	24.7
2,2',4,6'-TeCB	PCB-051	68194-04-7	3.5	3.5	UJ	24.7
2,2',3,6-TeCB	PCB-045	70362-45-7	4.6	4.6	UJ	24.7
2,2',3,6'-TeCB	PCB-046	41464-47-5	4.8	4.8	UJ	24.7
	PCB-052/069		3.7	3.7	UJ	24.7
2,3',5',6-TeCB	PCB-073	74338-23-1	2.7	2.7	UJ	24.7
	PCB-043/049		3.9	3.9	UJ	24.7
	PCB-065/075		3.8	3.8	UJ	24.7
	PCB-047/048		2.9	2.9	UJ	24.7
2,3,4,6-TeCB	PCB-062	54230-22-7	2.1	2.1	UJ	24.7
2,2',3,5'-TeCB	PCB-044	41464-39-5	6.4	6.4	UJ	24.7
2,3,3',6-TeCB	PCB-059	74472-33-6	2.6	2.6	UJ	24.7
2,2',3,4'-TeCB	PCB-042	36559-22-5	3.5	3.5	UJ	24.7

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IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
2,3',5,5'-TeCB	PCB-072	41464-42-0	3.6	3.6	UJ	24.7
	PCB-064/071		2.4	2.4	UJ	24.7
2,2',3,4'-TeCB	PCB-041	52663-59-9	2.1	2.1	UJ	24.7
2,3',4,5'-TeCB	PCB-068	73575-52-7	2.2	2.2	UJ	24.7
2,2',3,3'-TeCB	PCB-040	38444-93-8	4.4	4.4	UJ	24.7
2,3,3',5'-TeCB	PCB-057	70424-67-8	2.6	2.6	UJ	24.7
2,3',4,5'-TeCB	PCB-067	73575-53-8	2.8	2.8	UJ	24.7
2,3,4',5'-TeCB	PCB-058/063	74472-34-7	2.3	2.3	UJ	24.7
2,3,4,5'-TeCB	PCB-061	33284-53-6	3.1	3.1	UJ	24.7
2,4,4',5'-TeCB	PCB-074	32690-93-0	2.4	2.4	UJ	24.7
2,3',4',5'-TeCB	PCB-070	32598-11-1	21.9	3.1	J	24.7
2,3,3',4'-TeCB	PCB-055	74338-24-2	2.2	2.2	UJ	24.7
	PCB-066/080		2.2	2.2	UJ	24.7
2,3',4',5'-TeCB	PCB-076	70362-48-0	2.3	2.3	UJ	24.7
2,3,4,4'-TeCB	PCB-060	33025-41-1	2.8	2.8	UJ	24.7
2,3,3',4'-TeCB	PCB-056	41464-43-1	1.8	1.8	UJ	24.7
3,3',4,5'-TeCB	PCB-079	41464-48-6	2.2	2.2	UJ	24.7
3,3',4,5'-TeCB	PCB-078	70362-49-1	2.5	2.5	UJ	24.7
3,4,4',5'-TeCB	PCB-081	70362-50-4	2.5	2.5	UJ	24.7
3,3',4,4'-TeCB	PCB-077	32598-13-3	2.3	2.3	UJ	24.7
2,2',4,6,6'-PeCB	PCB-104	56558-16-8	3.1	3.1	UJ	24.7
2,2',3,6,6'-PeCB	PCB-096	73575-54-9	3.9	3.9	UJ	24.7
2,2',4,5',6'-PeCB	PCB-103	60145-21-3	4.3	4.3	UJ	24.7
2,2',4,4',6'-PeCB	PCB-100	39485-83-1	3.6	3.6	UJ	24.7
2,2',3,5,6'-PeCB	PCB-094	73575-55-0	4.3	4.3	UJ	24.7
	PCB-093/095/098/102		14.2	4.3	J	24.7
2,2',3,4,6'-PeCB	PCB-088	55215-17-3	5.9	5.9	UJ	24.7
2,2',3,4',6'-PeCB	PCB-091	68194-05-8	3.9	3.9	UJ	24.7
2,3',4,5',6'-PeCB	PCB-121	56558-18-0	2.5	2.5	UJ	24.7
	PCB-084/092		5.1	5.1	UJ	24.7
2,2',3,4,6'-PeCB	PCB-089	73575-57-2	5.2	5.2	UJ	24.7
2,2',3,4',5'-PeCB	PCB-090	68194-07-0	4	4	UJ	24.7
2,2',4,5,5'-PeCB	PCB-101	37680-73-2	20.7	3.1	J	24.7
2,3,3',5',6'-PeCB	PCB-113	68194-10-5	3.7	3.7	UJ	24.7
2,2',4,4',5'-PeCB	PCB-099	38380-01-7	3.32	3.2	NJ	24.7
	PCB-112/119		3.1	3.1	UJ	24.7
2,2',3,3',5'-PeCB	PCB-083	60145-20-2	7.4	7.4	UJ	24.7
2,3,3',4,6'-PeCB	PCB-109	74472-35-8	2.7	2.7	UJ	24.7
	PCB-086-097/117		5	5	UJ	24.7
	PCB-116/125		7.76	2.2	J	24.7
	PCB-087/115		3.5	3.5	UJ	24.7
2,3,3',5,5'-PeCB	PCB-111	39635-32-0	3	3	UJ	24.7
2,2',3,4,4'-PeCB	PCB-085	65510-45-4	3.9	3.9	UJ	24.7
	PCB-110/120		20.8	3.1	J	24.7
2,2',3,3',4'-PeCB	PCB-082	52663-62-4	4.6	4.6	UJ	24.7
2,3',4',5,5'-PeCB	PCB-124	70424-70-3	1.3	1.3	UJ	24.7
	PCB-107/108		3.89	1.9	J	24.7
2,3',4,4',5'-PeCB	PCB-123	65510-44-3	2.1	2.1	UJ	24.7
2,3,3',4,5'-PeCB	PCB-106	70424-69-0	2.3	2.3	UJ	24.7
2,3',4,4',5'-PeCB	PCB-118	31508-00-6	9.6	2	NJ	24.7
2,3,4,4',5'-PeCB	PCB-114	74472-37-0	2	2	UJ	24.7

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IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
2,3,3',4',5'-PeCB	PCB-122	76842-07-4	2.6	2.6	UJ	24.7
2,3,3',4,4'-PeCB	PCB-105	32598-14-4	1.8	1.8	UJ	24.7
3,3',4,5,5'-PeCB	PCB-127	39635-33-1	2.2	2.2	UJ	24.7
3,3',4,4',5'-PeCB	PCB-126	57465-28-8	1.7	1.7	UJ	24.7
2,2',4,4',6,6'-HxCB	PCB-155	33979-03-2	0.5	0.5	UJ	24.7
2,2',3,4',6,6'-HxCB	PCB-150	68194-08-1	0.3	0.3	UJ	24.7
2,2',3,5,6,6'-HxCB	PCB-152	68194-09-2	0.3	0.3	UJ	24.7
2,2',3,4,6,6'-HxCB	PCB-145	74472-40-5	0.3	0.3	UJ	24.7
2,2',3,3',6,6'-HxCB	PCB-136	38411-22-2	0.3	0.3	UJ	24.7
2,2',3,4',5,6'-HxCB	PCB-148	74472-41-6	0.4	0.4	UJ	24.7
2,2',4,4',5,6'-HxCB	PCB-154	60145-22-4	0.3	0.3	UJ	24.7
2,2',3,5,5',6'-HxCB	PCB-151	52663-63-5	0.4	0.4	UJ	24.7
2,2',3,3',5,6'-HxCB	PCB-135	52744-13-5	0.4	0.4	UJ	24.7
2,2',3,4,5',6'-HxCB	PCB-144	68194-14-9	0.4	0.4	UJ	24.7
2,2',3,4',5,6'-HxCB	PCB-147	68194-13-8	0.4	0.4	UJ	24.7
	PCB-139/149		6.59	0.3	J	24.7
2,2',3,4,4',6'-HxCB	PCB-140	59291-64-4	0.3	0.3	UJ	24.7
2,2',3,4,5,6'-HxCB	PCB-143	68194-15-0	0.3	0.3	UJ	24.7
2,2',3,3',5,6'-HxCB	PCB-134	52704-70-8	0.3	0.3	UJ	24.7
2,2',3,4,5,6'-HxCB	PCB-142	41411-61-4	0.5	0.5	UJ	24.7
2,2',3,3',5,5'-HxCB	PCB-133	35694-04-3	0.3	0.3	UJ	24.7
2,2',3,3',4,6'-HxCB	PCB-131	61798-70-7	0.3	0.3	UJ	24.7
2,3,3',5,5',6'-HxCB	PCB-165	74472-46-1	0.2	0.2	UJ	24.7
	PCB-132/146		3.93	0.3	J	24.7
2,3,3',4,5',6'-HxCB	PCB-161	74472-43-8	0.2	0.2	UJ	24.7
2,2',4,4',5,5'-HxCB	PCB-153	35065-27-1	13.4	0.3	J	24.7
2,3',4,4',5',6'-HxCB	PCB-168	59291-65-5	0.2	0.2	UJ	24.7
2,2',3,4,5,5'-HxCB	PCB-141	52712-04-6	0.99	0.3	NJ	24.7
2,2',3,4,4',5'-HxCB	PCB-137	35694-06-5	0.3	0.3	UJ	24.7
2,2',3,3',4,5'-HxCB	PCB-130	52663-66-8	0.33	0.3	UJ	24.7
	PCB-163/164		3.75	0.2	J	24.7
2,2',3,4,4',5'-HxCB	PCB-138	35065-28-2	6.25	0.4	J	24.7
2,3,3',4,5,6'-HxCB	PCB-160	41411-62-5	3.36	0.2	NJ	24.7
2,3,3',4,4',6'-HxCB	PCB-158	74472-42-7	0.2	0.2	UJ	24.7
2,2',3,3',4,5'-HxCB	PCB-129	55215-18-4	0.3	0.3	UJ	24.7
2,3,4,4',5,6'-HxCB	PCB-166	41411-63-6	0.3	0.3	UJ	24.7
2,3,3',4,5,5'-HxCB	PCB-159	39635-35-3	0.3	0.3	UJ	24.7
2,2',3,3',4,4'-HxCB	PCB-128	38380-07-3	0.3	0.3	UJ	24.7
2,3,3',4',5,5'-HxCB	PCB-162	39635-34-2	0.2	0.2	UJ	24.7
2,3',4,4',5,5'-HxCB	PCB-167	52663-72-6	0.3	0.3	UJ	24.7
2,3,3',4,4',5'-HxCB	PCB-156	38380-08-4	0.3	0.3	UJ	24.7
2,3,3',4,4',5'-HxCB	PCB-157	69782-90-7	0.3	0.3	UJ	24.7
3,3',4,4',5,5'-HxCB	PCB-169	32774-16-6	0.3	0.3	UJ	24.7
2,2',3,4',5,6,6'-HpCB	PCB-188	74487-85-7	0.5	0.5	UJ	24.7
2,2',3,4,4',6,6'-HpCB	PCB-184	74472-48-3	0.3	0.3	UJ	24.7
2,2',3,3',5,6,6'-HpCB	PCB-179	52663-64-6	0.3	0.3	UJ	24.7
2,2',3,3',4,6,6'-HpCB	PCB-176	52663-65-7	0.3	0.3	UJ	24.7
2,2',3,4,5,6,6'-HpCB	PCB-186	74472-49-4	0.3	0.3	UJ	24.7
2,2',3,3',5,5',6'-HpCB	PCB-178	52663-67-9	0.5	0.5	UJ	24.7
2,2',3,3',4,5',6'-HpCB	PCB-175	40186-70-7	0.5	0.5	UJ	24.7
	PCB-182/187		0.4	0.4	UJ	24.7

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IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
2,2',3,4,4',5',6-HpCB	PCB-183	52663-69-1	0.4	0.4	UJ	24.7
2,2',3,4,5,5',6-HpCB	PCB-185	52712-05-7	0.4	0.4	UJ	24.7
2,2',3,3',4,5,6'-HpCB	PCB-174	38411-25-5	0.5	0.5	UJ	24.7
2,2',3,4,4',5,6-HpCB	PCB-181	74472-47-2	0.4	0.4	UJ	24.7
2,2',3,3',4,5',6'-HpCB	PCB-177	52663-70-4	0.5	0.5	UJ	24.7
2,2',3,3',4,4',6-HpCB	PCB-171	52663-71-5	0.5	0.5	UJ	24.7
2,2',3,3',4,5,6-HpCB	PCB-173	68194-16-1	0.6	0.6	UJ	24.7
2,2',3,3',4,5,5'-HpCB	PCB-172	52663-74-8	0.6	0.6	UJ	24.7
2,3,3',4,5,5',6-HpCB	PCB-192	74472-51-8	0.4	0.4	UJ	24.7
2,2',3,4,4',5,5'-HpCB	PCB-180	35065-29-3	5.63	0.6	NJ	24.7
2,3,3',4',5,5',6-HpCB	PCB-193	69782-91-8	0.4	0.4	UJ	24.7
2,3,3',4,4',5',6-HpCB	PCB-191	74472-50-7	0.4	0.4	UJ	24.7
2,2',3,3',4,4',5-HpCB	PCB-170	35065-30-6	0.7	0.7	UJ	24.7
2,3,3',4,4',5,6-HpCB	PCB-190	41411-64-7	0.5	0.5	UJ	24.7
2,3,3',4,4',5,5'-HpCB	PCB-189	39635-31-9	0.3	0.3	UJ	24.7
2,2',3,3',5,5',6,6'-OoCB	PCB-202	2136-99-4	0.3	0.3	UJ	24.7
2,2',3,3',4,5',6,6'-OoCB	PCB-201	40186-71-8	0.3	0.3	UJ	24.7
2,2',3,4,4',5,6,6'-OoCB	PCB-204	74472-52-9	0.3	0.3	UJ	24.7
2,2',3,3',4,4',6,6'-OoCB	PCB-197	33091-17-7	0.3	0.3	UJ	24.7
2,2',3,3',4,5,6,6'-OoCB	PCB-200	52663-73-7	0.3	0.3	UJ	24.7
2,2',3,3',4,5,5',6-OoCB	PCB-198	68194-17-2	0.5	0.5	UJ	24.7
2,2',3,3',4,5,5',6'-OoCB	PCB-199	52663-75-9	0.4	0.4	UJ	24.7
2,2',3,3',4,4',5,6'-OoCB	PCB-196	42740-50-1	0.5	0.5	UJ	24.7
2,2',3,4,4',5,5',6-OoCB	PCB-203	52663-76-0	0.4	0.4	UJ	24.7
2,2',3,3',4,4',5,6-OoCB	PCB-195	52663-78-2	0.5	0.5	UJ	24.7
2,2',3,3',4,4',5,5'-OoCB	PCB-194	35694-08-7	0.6	0.6	UJ	24.7
2,3,3',4,4',5,5',6-OoCB	PCB-205	74472-53-0	0.3	0.3	UJ	24.7
2,2',3,3',4,5,5',6,6'-NoCB	PCB-208	52663-77-1	2.9	2.9	UJ	24.7
2,2',3,3',4,4',5,6,6'-NoCB	PCB-207	52663-79-3	2.5	2.5	UJ	24.7
2,2',3,3',4,4',5,5',6-NoCB	PCB-206	40186-72-9	4.1	4.1	UJ	24.7
2,2',3,3',4,4',5,5',6,6'-DeCB	PCB-209	2051-24-3	0.4	0.4	UJ	24.7

Homologs	# of Congeners			
Monochlorobiphenyls	3	2.3	2.3	UJ
Dichlorobiphenyls	12	34.6	3.9	
Trichlorobiphenyls	24	1.3	1.3	UJ
Tetrachlorobiphenyls	42	21.9	1.8	J
Pentachlorobiphenyls	46	67.4	1.3	
Hexachlorobiphenyls	42	33.9	0.2	
Heptachlorobiphenyls	24	0.3	0.3	UJ
Octachlorobiphenyls	12	0.3	0.3	UJ
Nonachlorobiphenyls	3	2.5	2.5	UJ
Decachlorobiphenyl	1	0.4	0.4	UJ
Total PCB		158	0.2	

DATA REPORT

Client: Jacobs – Walla Walla
Client ID: 072821CP-1260
Field ID:
PRL ID: PR212569

Contact: Dara Osborne
Date Extracted: 8/9/2021
Date Analysed: 8/13/2021
HRMS File: FS08132113

IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
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Standard Recoveries			Acceptance	
Chemical Name	IUPAC #	%	Min	Max
¹³ C ₁₂ -2-MoCB	1L	22	5	145
¹³ C ₁₂ -4-MoCB	3L	25	5	145
¹³ C ₁₂ -2,2'-DiCB	4L	25	5	145
¹³ C ₁₂ -4,4'-DiCB	15L	32	5	145
¹³ C ₁₂ -2,2',6'-TrCB	19L	30	5	145
¹³ C ₁₂ -3,4,4'-TrCB	37L	43	5	145
¹³ C ₁₂ -2,2',6,6'-TeCB	54L	24	5	145
¹³ C ₁₂ -3,4,4',5'-TeCB	81L	47	5	145
¹³ C ₁₂ -3,3',4,4'-TeCB	77L	54	10	145
¹³ C ₁₂ -2,2',4,6,6'-PeCB	104L	28	10	145
¹³ C ₁₂ -2',3,4,4',5'-PeCB	123L	40	10	145
¹³ C ₁₂ -2,3',4,4',5'-PeCB	118L	41	10	145
¹³ C ₁₂ -2,3,4,4',5'-PeCB	114L	41	10	145
¹³ C ₁₂ -2,3,3',4,4'-PeCB	105L	46	10	145
¹³ C ₁₂ -3,3',4,4',5'-PeCB	126L	58	10	145
¹³ C ₁₂ -2,2',4,4',6,6'-HxCB	155L	30	10	145
¹³ C ₁₂ -2,3',4,4',5,5'-HxCB	167L	56	10	145
¹³ C ₁₂ -2,3,3',4,4',5'-HxCB	156L	56	10	145
¹³ C ₁₂ -2,3,3',4,4',5'-HxCB	157L	59	10	145
¹³ C ₁₂ -3,3',4,4',5,5'-HxCB	169L	57	10	145
¹³ C ₁₂ -2,2',3,4',5,6,6'-HpCB	188L	36	10	145
¹³ C ₁₂ -2,3,3',4,4',5,5'-HpCB	189L	60	10	145
¹³ C ₁₂ -2,2',3,3',5,5',6,6'-OcCB	202L	51	10	145
¹³ C ₁₂ -2,3,3',4,4',5,5',6'-OcCB	205L	42	10	145
¹³ C ₁₂ -2,2',3,3',4',5,5',6,6'-NoCB	208L	63	10	145
¹³ C ₁₂ -2,2',3,3',4,4',5,5',6'-NoCB	206L	54	10	145
¹³ C ₁₂ -DeCB	209L	56	10	145
¹³ C ₁₂ -2,4,4'-TrCB	28L	47	5	145
¹³ C ₁₂ -2,3,3',5,5'-PeCB	111L	53	10	145
¹³ C ₁₂ -2,2',3,3',5,5',6'-HpCB	178L	68	10	145

QC REPORT - BLANK

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IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
2-MoCB	PCB-001	2051-60-7	2.9	2.9	UJ	25
3-MoCB	PCB-002	2051-61-8	2.9	2.9	UJ	25
4-MoCB	PCB-003	2051-62-9	3	3	UJ	25
2,6-DiCB	PCB-010	33146-45-1	11.3	11.3	UJ	25
2,2'-DiCB	PCB-004	13029-08-8	15.1	15.1	UJ	25
2,5-DiCB	PCB-009	34883-39-1	13.6	13.6	UJ	25
2,4-DiCB	PCB-007	33284-50-3	6.7	6.7	UJ	25
2,3'-DiCB	PCB-006	25569-80-6	9.3	9.3	UJ	25
2,3/2,4'-DiCB	PCB-005/008		8.6	8.6	UJ	25
3,5-DiCB	PCB-014	34883-41-5	8.9	8.9	UJ	25
3,3'-DiCB	PCB-011	2050-67-1	9	9	UJ	25
3,4/3,4'-DiCB	PCB-012/013		8.3	8.3	UJ	25
4,4'-DiCB	PCB-015	2050-68-2	7.4	7.4	UJ	25
2,2',6-TrCB	PCB-019	38444-73-4	7.4	7.4	UJ	25
2,4,6-TrCB	PCB-030	35693-92-6	4.2	4.2	UJ	25
2,2',5-TrCB	PCB-018	37680-65-2	4.2	4.2	UJ	25
2,2',4-TrCB	PCB-017	37680-66-3	5.4	5.4	UJ	25
2,3,6-TrCB	PCB-024	55702-45-9	3.7	3.7	UJ	25
2,3',6-TrCB	PCB-027	38444-76-7	2.7	2.7	UJ	25
2,4',6-TrCB	PCB-032	38444-77-8	3.9	3.9	UJ	25
2,2',3-TrCB	PCB-016	38444-78-9	4.2	4.2	UJ	25
2,3,5-TrCB	PCB-023	55720-44-0	2.3	2.3	UJ	25
2,3',5'-TrCB	PCB-034	37680-68-5	2.9	2.9	UJ	25
2,4,5-TrCB	PCB-029	15862-07-4	2	2	UJ	25
2,3',5-TrCB	PCB-026	38444-81-4	2.1	2.1	UJ	25
2,3',4-TrCB	PCB-025	55712-37-3	2.1	2.1	UJ	25
2,4',5-TrCB	PCB-031	16606-02-3	1.8	1.8	UJ	25
2,4,4'-TrCB	PCB-028	7012-37-5	2.1	2.1	UJ	25
2,3,4-TrCB	PCB-021	55702-46-0	3.3	3.3	UJ	25
	PCB-020/033		2.9	2.9	UJ	25
2,3,4'-TrCB	PCB-022	38444-85-8	2.8	2.8	UJ	25
3,3',5-TrCB	PCB-036	38444-87-0	2.8	2.8	UJ	25
3,4',5-TrCB	PCB-039	38444-88-1	2.3	2.3	UJ	25
3,4,5-TrCB	PCB-038	53555-66-1	3.3	3.3	UJ	25
3,3',4-TrCB	PCB-035	37680-69-6	2.8	2.8	UJ	25
3,4,4'-TrCB	PCB-037	38444-90-5	2.6	2.6	UJ	25
2,2',6,6'-TeCB	PCB-054	15968-05-5	4.7	4.7	UJ	25
2,2',4,6-TeCB	PCB-050	62796-65-0	7.2	7.2	UJ	25
2,2',5,6'-TeCB	PCB-053	41464-41-9	5.5	5.5	UJ	25
2,2',4,6'-TeCB	PCB-051	68194-04-7	6.3	6.3	UJ	25
2,2',3,6-TeCB	PCB-045	70362-45-7	7.8	7.8	UJ	25
2,2',3,6'-TeCB	PCB-046	41464-47-5	8.6	8.6	UJ	25
	PCB-052/069		6.6	6.6	UJ	25
2,3',5',6-TeCB	PCB-073	74338-23-1	4.8	4.8	UJ	25
	PCB-043/049		6.8	6.8	UJ	25
	PCB-065/075		6.4	6.4	UJ	25
	PCB-047/048		5	5	UJ	25
2,3,4,6-TeCB	PCB-062	54230-22-7	3.6	3.6	UJ	25
2,2',3,5'-TeCB	PCB-044	41464-39-5	10.8	10.8	UJ	25
2,3,3',6-TeCB	PCB-059	74472-33-6	4.5	4.5	UJ	25
2,2',3,4'-TeCB	PCB-042	36559-22-5	5.9	5.9	UJ	25

QC REPORT - BLANK

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HRMS File: FS08132105

IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
2,3',5,5'-TeCB	PCB-072	41464-42-0	6.4	6.4	UJ	25
	PCB-064/071		4.1	4.1	UJ	25
2,2',3,4'-TeCB	PCB-041	52663-59-9	3.6	3.6	UJ	25
2,3',4,5'-TeCB	PCB-068	73575-52-7	3.8	3.8	UJ	25
2,2',3,3'-TeCB	PCB-040	38444-93-8	7.5	7.5	UJ	25
2,3,3',5'-TeCB	PCB-057	70424-67-8	4.4	4.4	UJ	25
2,3',4,5'-TeCB	PCB-067	73575-53-8	4.8	4.8	UJ	25
2,3,4',5'-TeCB	PCB-058/063	74472-34-7	3.9	3.9	UJ	25
2,3,4,5'-TeCB	PCB-061	33284-53-6	5.2	5.2	UJ	25
2,4,4',5'-TeCB	PCB-074	32690-93-0	4.1	4.1	UJ	25
2,3',4',5'-TeCB	PCB-070	32598-11-1	5.3	5.3	UJ	25
2,3,3',4'-TeCB	PCB-055	74338-24-2	3.8	3.8	UJ	25
	PCB-066/080		3.8	3.8	UJ	25
2,3',4',5'-TeCB	PCB-076	70362-48-0	4.1	4.1	UJ	25
2,3,4,4'-TeCB	PCB-060	33025-41-1	5	5	UJ	25
2,3,3',4'-TeCB	PCB-056	41464-43-1	3	3	UJ	25
3,3',4,5'-TeCB	PCB-079	41464-48-6	3.9	3.9	UJ	25
3,3',4,5'-TeCB	PCB-078	70362-49-1	4.4	4.4	UJ	25
3,4,4',5'-TeCB	PCB-081	70362-50-4	4.3	4.3	UJ	25
3,3',4,4'-TeCB	PCB-077	32598-13-3	4.1	4.1	UJ	25
2,2',4,6,6'-PeCB	PCB-104	56558-16-8	4.2	4.2	UJ	25
2,2',3,6,6'-PeCB	PCB-096	73575-54-9	5.2	5.2	UJ	25
2,2',4,5',6'-PeCB	PCB-103	60145-21-3	5.7	5.7	UJ	25
2,2',4,4',6'-PeCB	PCB-100	39485-83-1	4.8	4.8	UJ	25
2,2',3,5,6'-PeCB	PCB-094	73575-55-0	5.7	5.7	UJ	25
	PCB-093/095/098/102		5.7	5.7	UJ	25
2,2',3,4,6'-PeCB	PCB-088	55215-17-3	7.8	7.8	UJ	25
2,2',3,4',6'-PeCB	PCB-091	68194-05-8	5.1	5.1	UJ	25
2,3',4,5',6'-PeCB	PCB-121	56558-18-0	3.4	3.4	UJ	25
	PCB-084/092		6.7	6.7	UJ	25
2,2',3,4,6'-PeCB	PCB-089	73575-57-2	6.8	6.8	UJ	25
2,2',3,4',5'-PeCB	PCB-090	68194-07-0	5.2	5.2	UJ	25
2,2',4,5,5'-PeCB	PCB-101	37680-73-2	4.2	4.2	UJ	25
2,3,3',5',6'-PeCB	PCB-113	68194-10-5	4.8	4.8	UJ	25
2,2',4,4',5'-PeCB	PCB-099	38380-01-7	4.2	4.2	UJ	25
	PCB-112/119		4.1	4.1	UJ	25
2,2',3,3',5'-PeCB	PCB-083	60145-20-2	9.8	9.8	UJ	25
2,3,3',4,6'-PeCB	PCB-109	74472-35-8	3.6	3.6	UJ	25
	PCB-086-097/117		6.6	6.6	UJ	25
	PCB-116/125		2.9	2.9	UJ	25
	PCB-087/115		4.6	4.6	UJ	25
2,3,3',5,5'-PeCB	PCB-111	39635-32-0	4	4	UJ	25
2,2',3,4,4'-PeCB	PCB-085	65510-45-4	5.1	5.1	UJ	25
	PCB-110/120		4	4	UJ	25
2,2',3,3',4'-PeCB	PCB-082	52663-62-4	6	6	UJ	25
2,3',4',5,5'-PeCB	PCB-124	70424-70-3	1.8	1.8	UJ	25
	PCB-107/108		2.5	2.5	UJ	25
2,3',4,4',5'-PeCB	PCB-123	65510-44-3	2.7	2.7	UJ	25
2,3,3',4,5'-PeCB	PCB-106	70424-69-0	3	3	UJ	25
2,3',4,4',5'-PeCB	PCB-118	31508-00-6	2.6	2.6	UJ	25
2,3,4,4',5'-PeCB	PCB-114	74472-37-0	2.9	2.9	UJ	25

QC REPORT - BLANK

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IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
2,3,3',4',5'-PeCB	PCB-122	76842-07-4	3.5	3.5	UJ	25
2,3,3',4,4'-PeCB	PCB-105	32598-14-4	2.3	2.3	UJ	25
3,3',4,5,5'-PeCB	PCB-127	39635-33-1	2.8	2.8	UJ	25
3,3',4,4',5'-PeCB	PCB-126	57465-28-8	2	2	UJ	25
2,2',4,4',6,6'-HxCB	PCB-155	33979-03-2	0.3	0.3	UJ	25
2,2',3,4',6,6'-HxCB	PCB-150	68194-08-1	0.1	0.1	UJ	25
2,2',3,5,6,6'-HxCB	PCB-152	68194-09-2	0.2	0.2	UJ	25
2,2',3,4,6,6'-HxCB	PCB-145	74472-40-5	0.1	0.1	UJ	25
2,2',3,3',6,6'-HxCB	PCB-136	38411-22-2	0.2	0.2	UJ	25
2,2',3,4',5,6'-HxCB	PCB-148	74472-41-6	0.2	0.2	UJ	25
2,2',4,4',5,6'-HxCB	PCB-154	60145-22-4	0.2	0.2	UJ	25
2,2',3,5,5',6'-HxCB	PCB-151	52663-63-5	0.2	0.2	UJ	25
2,2',3,3',5,6'-HxCB	PCB-135	52744-13-5	0.2	0.2	UJ	25
2,2',3,4,5',6'-HxCB	PCB-144	68194-14-9	0.2	0.2	UJ	25
2,2',3,4',5,6'-HxCB	PCB-147	68194-13-8	0.2	0.2	UJ	25
	PCB-139/149		0.1	0.1	UJ	25
2,2',3,4,4',6'-HxCB	PCB-140	59291-64-4	0.2	0.2	UJ	25
2,2',3,4,5,6'-HxCB	PCB-143	68194-15-0	0.2	0.2	UJ	25
2,2',3,3',5,6'-HxCB	PCB-134	52704-70-8	0.2	0.2	UJ	25
2,2',3,4,5,6'-HxCB	PCB-142	41411-61-4	0.3	0.3	UJ	25
2,2',3,3',5,5'-HxCB	PCB-133	35694-04-3	0.2	0.2	UJ	25
2,2',3,3',4,6'-HxCB	PCB-131	61798-70-7	0.2	0.2	UJ	25
2,3,3',5,5',6'-HxCB	PCB-165	74472-46-1	0.1	0.1	UJ	25
	PCB-132/146		0.1	0.1	UJ	25
2,3,3',4,5',6'-HxCB	PCB-161	74472-43-8	0.1	0.1	UJ	25
2,2',4,4',5,5'-HxCB	PCB-153	35065-27-1	0.2	0.2	UJ	25
2,3',4,4',5',6'-HxCB	PCB-168	59291-65-5	0.1	0.1	UJ	25
2,2',3,4,5,5'-HxCB	PCB-141	52712-04-6	0.2	0.2	UJ	25
2,2',3,4,4',5'-HxCB	PCB-137	35694-06-5	0.2	0.2	UJ	25
2,2',3,3',4,5'-HxCB	PCB-130	52663-66-8	0.2	0.2	UJ	25
	PCB-163/164		0.1	0.1	UJ	25
2,2',3,4,4',5'-HxCB	PCB-138	35065-28-2	0.2	0.2	UJ	25
2,3,3',4,5,6'-HxCB	PCB-160	41411-62-5	0.1	0.1	UJ	25
2,3,3',4,4',6'-HxCB	PCB-158	74472-42-7	0.1	0.1	UJ	25
2,2',3,3',4,5'-HxCB	PCB-129	55215-18-4	0.2	0.2	UJ	25
2,3,4,4',5,6'-HxCB	PCB-166	41411-63-6	0.1	0.1	UJ	25
2,3,3',4,5,5'-HxCB	PCB-159	39635-35-3	0.1	0.1	UJ	25
2,2',3,3',4,4'-HxCB	PCB-128	38380-07-3	0.2	0.2	UJ	25
2,3,3',4',5,5'-HxCB	PCB-162	39635-34-2	0.1	0.1	UJ	25
2,3',4,4',5,5'-HxCB	PCB-167	52663-72-6	0.2	0.2	UJ	25
2,3,3',4,4',5'-HxCB	PCB-156	38380-08-4	0.2	0.2	UJ	25
2,3,3',4,4',5'-HxCB	PCB-157	69782-90-7	0.1	0.1	UJ	25
3,3',4,4',5,5'-HxCB	PCB-169	32774-16-6	0.1	0.1	UJ	25
2,2',3,4',5,6,6'-HpCB	PCB-188	74487-85-7	0.3	0.3	UJ	25
2,2',3,4,4',6,6'-HpCB	PCB-184	74472-48-3	0.2	0.2	UJ	25
2,2',3,3',5,6,6'-HpCB	PCB-179	52663-64-6	0.2	0.2	UJ	25
2,2',3,3',4,6,6'-HpCB	PCB-176	52663-65-7	0.2	0.2	UJ	25
2,2',3,4,5,6,6'-HpCB	PCB-186	74472-49-4	0.2	0.2	UJ	25
2,2',3,3',5,5',6'-HpCB	PCB-178	52663-67-9	0.3	0.3	UJ	25
2,2',3,3',4,5',6'-HpCB	PCB-175	40186-70-7	0.3	0.3	UJ	25
	PCB-182/187		0.3	0.3	UJ	25

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IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
2,2',3,4,4',5',6-HpCB	PCB-183	52663-69-1	0.3	0.3	UJ	25
2,2',3,4,5,5',6-HpCB	PCB-185	52712-05-7	0.3	0.3	UJ	25
2,2',3,3',4,5,6'-HpCB	PCB-174	38411-25-5	0.4	0.4	UJ	25
2,2',3,4,4',5,6-HpCB	PCB-181	74472-47-2	0.3	0.3	UJ	25
2,2',3,3',4,5',6'-HpCB	PCB-177	52663-70-4	0.3	0.3	UJ	25
2,2',3,3',4,4',6-HpCB	PCB-171	52663-71-5	0.4	0.4	UJ	25
2,2',3,3',4,5,6-HpCB	PCB-173	68194-16-1	0.4	0.4	UJ	25
2,2',3,3',4,5,5'-HpCB	PCB-172	52663-74-8	0.4	0.4	UJ	25
2,3,3',4,5,5',6-HpCB	PCB-192	74472-51-8	0.3	0.3	UJ	25
2,2',3,4,4',5,5'-HpCB	PCB-180	35065-29-3	0.4	0.4	UJ	25
2,3,3',4',5,5',6-HpCB	PCB-193	69782-91-8	0.3	0.3	UJ	25
2,3,3',4,4',5',6-HpCB	PCB-191	74472-50-7	0.3	0.3	UJ	25
2,2',3,3',4,4',5-HpCB	PCB-170	35065-30-6	0.4	0.4	UJ	25
2,3,3',4,4',5,6-HpCB	PCB-190	41411-64-7	0.3	0.3	UJ	25
2,3,3',4,4',5,5'-HpCB	PCB-189	39635-31-9	0.2	0.2	UJ	25
2,2',3,3',5,5',6,6'-OoCB	PCB-202	2136-99-4	0.4	0.4	UJ	25
2,2',3,3',4,5',6,6'-OoCB	PCB-201	40186-71-8	0.2	0.2	UJ	25
2,2',3,4,4',5,6,6'-OoCB	PCB-204	74472-52-9	0.2	0.2	UJ	25
2,2',3,3',4,4',6,6'-OoCB	PCB-197	33091-17-7	0.2	0.2	UJ	25
2,2',3,3',4,5,6,6'-OoCB	PCB-200	52663-73-7	0.2	0.2	UJ	25
2,2',3,3',4,5,5',6-OoCB	PCB-198	68194-17-2	0.4	0.4	UJ	25
2,2',3,3',4,5,5',6'-OoCB	PCB-199	52663-75-9	0.3	0.3	UJ	25
2,2',3,3',4,4',5,6'-OoCB	PCB-196	42740-50-1	0.4	0.4	UJ	25
2,2',3,4,4',5,5',6-OoCB	PCB-203	52663-76-0	0.3	0.3	UJ	25
2,2',3,3',4,4',5,6-OoCB	PCB-195	52663-78-2	0.4	0.4	UJ	25
2,2',3,3',4,4',5,5'-OoCB	PCB-194	35694-08-7	0.4	0.4	UJ	25
2,3,3',4,4',5,5',6-OoCB	PCB-205	74472-53-0	0.2	0.2	UJ	25
2,2',3,3',4,5,5',6,6'-NoCB	PCB-208	52663-77-1	4.1	4.1	UJ	25
2,2',3,3',4,4',5,6,6'-NoCB	PCB-207	52663-79-3	3.3	3.3	UJ	25
2,2',3,3',4,4',5,5',6-NoCB	PCB-206	40186-72-9	5	5	UJ	25
2,2',3,3',4,4',5,5',6,6'-DeCB	PCB-209	2051-24-3	0.3	0.3	UJ	25

Homologs	# of Congeners			
Monochlorobiphenyls	3	2.9	2.9	UJ
Dichlorobiphenyls	12	6.7	6.7	UJ
Trichlorobiphenyls	24	1.8	1.8	UJ
Tetrachlorobiphenyls	42	3	3	UJ
Pentachlorobiphenyls	46	1.8	1.8	UJ
Hexachlorobiphenyls	42	0.1	0.1	UJ
Heptachlorobiphenyls	24	0.2	0.2	UJ
Octachlorobiphenyls	12	0.2	0.2	UJ
Nonachlorobiphenyls	3	3.3	3.3	UJ
Decachlorobiphenyl	1	0.3	0.3	UJ
Total PCB		0.1	0.1	UJ

QC REPORT - BLANK

Client: Jacobs – Walla Walla
 Client ID: BLANK
 Field ID:
 PRL ID: PC210714B

Contact: Dara Osborne
 Date Extracted: 8/9/2021
 Date Analysed: 8/13/2021
 HRMS File: FS08132105

IUPAC Name	PCB #	CAS #	Conc. pg/L	DL pg/L	Flag	EQL pg/L
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Standard Recoveries			Acceptance	
Chemical Name	IUPAC #	%	Min	Max
¹³ C ₁₂ -2-MoCB	1L	27	5	145
¹³ C ₁₂ -4-MoCB	3L	27	5	145
¹³ C ₁₂ -2,2'-DiCB	4L	22	5	145
¹³ C ₁₂ -4,4'-DiCB	15L	28	5	145
¹³ C ₁₂ -2,2',6'-TrCB	19L	24	5	145
¹³ C ₁₂ -3,4,4'-TrCB	37L	40	5	145
¹³ C ₁₂ -2,2',6,6'-TeCB	54L	23	5	145
¹³ C ₁₂ -3,4,4',5'-TeCB	81L	41	5	145
¹³ C ₁₂ -3,3',4,4'-TeCB	77L	47	10	145
¹³ C ₁₂ -2,2',4,6,6'-PeCB	104L	33	10	145
¹³ C ₁₂ -2',3,4,4',5'-PeCB	123L	47	10	145
¹³ C ₁₂ -2,3',4,4',5'-PeCB	118L	46	10	145
¹³ C ₁₂ -2,3,4,4',5'-PeCB	114L	43	10	145
¹³ C ₁₂ -2,3,3',4,4'-PeCB	105L	54	10	145
¹³ C ₁₂ -3,3',4,4',5'-PeCB	126L	73	10	145
¹³ C ₁₂ -2,2',4,4',6,6'-HxCB	155L	31	10	145
¹³ C ₁₂ -2,3',4,4',5,5'-HxCB	167L	56	10	145
¹³ C ₁₂ -2,3,3',4,4',5'-HxCB	156L	62	10	145
¹³ C ₁₂ -2,3,3',4,4',5'-HxCB	157L	71	10	145
¹³ C ₁₂ -3,3',4,4',5,5'-HxCB	169L	65	10	145
¹³ C ₁₂ -2,2',3,4',5,6,6'-HpCB	188L	40	10	145
¹³ C ₁₂ -2,3,3',4,4',5,5'-HpCB	189L	64	10	145
¹³ C ₁₂ -2,2',3,3',5,5',6,6'-OcCB	202L	52	10	145
¹³ C ₁₂ -2,3,3',4,4',5,5',6'-OcCB	205L	59	10	145
¹³ C ₁₂ -2,2',3,3',4',5,5',6,6'-NoCB	208L	62	10	145
¹³ C ₁₂ -2,2',3,3',4,4',5,5',6'-NoCB	206L	64	10	145
¹³ C ₁₂ -DeCB	209L	61	10	145
¹³ C ₁₂ -2,4,4'-TrCB	28L	50	5	145
¹³ C ₁₂ -2,3,3',5,5'-PeCB	111L	53	10	145
¹³ C ₁₂ -2,2',3,3',5,5',6'-HpCB	178L	64	10	145

QC REPORT - SPIKE

Client: Jacobs – Walla Walla
 Client ID: SPIKE
 Field ID:
 PRL ID: PC210715S

Contact: Dara Osborne
 Date Extracted: 8/9/2021
 Date Analysed: 8/13/2021
 HRMS File: FS08132103

Polychlorinated Biphenyls				Accept. Recovery		Pass/Fail	Standard Recoveries
Chemical Name	IUPAC #	CAS No.	LOF pg/L	Recovery %	Min %	Max %	
2-MoCB	PCB-001	2051-60-7	1000	105.0	60	135	Pass
4-MoCB	PCB-003	2051-62-9	1000	101.7	60	135	Pass
2,6-DiCB	PCB-010	33146-45-1	1000	92.9			-
2,2'-DiCB	PCB-004	13029-08-8	1000	111.2	60	135	Pass
	PCB-005/008		1000	62.1			-
4,4'-DiCB	PCB-015	2050-68-2	1000	101.8	60	135	Pass
2,2',6-TrCB	PCB-019	38444-73-4	1000	80.4	60	135	Pass
2,2',5-TrCB	PCB-018	37680-65-2	1000	65.8			-
2,4,4'-TrCB	PCB-028	7012-37-5	1000	64.3			-
	PCB-020/033		1000	102.0			-
2,3,4'-TrCB	PCB-022	38444-85-8	1000	105.1			-
3,4,4'-TrCB	PCB-037	38444-90-5	1000	91.3	60	135	Pass
2,2',6,6'-TeCB	PCB-054	15968-05-5	1000	98.1	60	135	Pass
	PCB-052/069		1000	89.3			-
	PCB-043/049		1000	94.3			-
2,2',3,5'-TeCB	PCB-044	41464-39-5	1000	127.7			-
2,2',3,4'-TeCB	PCB-041	52663-59-9	1000	40.2			-
2,2',3,3'-TeCB	PCB-040	38444-93-8	1000	90.8			-
2,4,4',5'-TeCB	PCB-061/074	32690-93-0	1000	91.3			-
2,3',4',5'-TeCB	PCB-070	32598-11-1	1000	128.9			-
2,3',4,4'-TeCB	PCB-066	32598-10-0	1000	94.7			-
2,3,4,4'-TeCB	PCB-060	33025-41-1	1000	124.3			-
3,4,4',5'-TeCB	PCB-081	70362-50-4	1000	95.9	60	135	Pass
3,3',4,4'-TeCB	PCB-077	32598-13-3	1000	88.4	60	135	Pass
2,2',4,6,6'-PeCB	PCB-104	56558-16-8	1000	96.7	60	135	Pass
	PCB-093/095/098/102		1000	78.1			-
2,2',3,4',5'-PeCB	PCB-090	68194-07-0	1000	73.7			-
2,2',4,5,5'-PeCB	PCB-101	37680-73-2	1000	73.5			-
2,2',4,4',5'-PeCB	PCB-099	38380-01-7	1000	73.8			-
	PCB-112/119		1000	80.6			-
	PCB-087/115		1000	76.0			-
2,3,3',4',6'-PeCB	PCB-110	38380-03-9	1000	101.3			-
2,3',4,4',5'-PeCB	PCB-123	65510-44-3	1000	89.4	60	135	Pass
2,3',4,4',5'-PeCB	PCB-118	31508-00-6	1000	88.3	60	135	Pass
2,3,4,4',5'-PeCB	PCB-114	74472-37-0	1000	81.2	60	135	Pass
2,3,3',4,4'-PeCB	PCB-105	32598-14-4	1000	80.3	60	135	Pass
3,3',4,4',5'-PeCB	PCB-126	57465-28-8	1000	78.0	60	135	Pass
2,2',4,4',6,6'-HxCB	PCB-155	33979-03-2	1000	82.0	60	135	Pass
2,2',3,5,5',6'-HxCB	PCB-151	52663-63-5	1000	49.4			-
	PCB-139/149		1000	52.1			-
2,2',4,4',5,5'-HxCB	PCB-153	35065-27-1	1000	63.9			-
2,3',4,4',5',6'-HxCB	PCB-168	59291-65-5	1000	87.2			-
2,2',3,4,5,5'-HxCB	PCB-141	52712-04-6	1000	67.2			-
2,2',3,4,4',5'-HxCB	PCB-137	35694-06-5	1000	68.9			-
2,2',3,4,4',5'-HxCB	PCB-138	35065-28-2	1000	88.9			-
2,3,3',4,4',6'-HxCB	PCB-158	74472-42-7	1000	68.6			-
2,2',3,3',4,5'-HxCB	PCB-129	55215-18-4	1000	62.2			-
	PCB-128/162		1000	82.1			-
2,3',4,4',5,5'-HxCB	PCB-167	52663-72-6	1000	81.8	60	135	Pass
2,3,3',4,4',5'-HxCB	PCB-156	38380-08-4	1000	85.8	60	135	Pass

QC REPORT - SPIKE

Client: Jacobs – Walla Walla
 Client ID: SPIKE
 Field ID:
 PRL ID: PC210715S

Contact: Dara Osborne
 Date Extracted: 8/9/2021
 Date Analysed: 8/13/2021
 HRMS File: FS08132103

Polychlorinated Biphenyls			Accept. Recovery				Pass/Fail	Standard
			LOF	Recovery	Min	Max		Recoveries
Chemical Name	IUPAC #	CAS No.	pg/L	%	%	%		%
2,3,3',4,4',5'-HxCB	PCB-157	69782-90-7	1000	90.5	60	135	Pass	71
3,3',4,4',5,5'-HxCB	PCB-169	32774-16-6	1000	90.3	60	135	Pass	59
2,2',3,4',5,6,6'-HpCB	PCB-188	74487-85-7	1000	79.9	60	135	Pass	43
2,2',3,3',5,5',6-HpCB	PCB-178	52663-67-9	1000	68.9				-
	PCB-182/187		1000	68.3				-
2,2',3,4,4',5',6-HpCB	PCB-183	52663-69-1	1000	78.9				-
2,2',3,3',4,5',6'-HpCB	PCB-177	52663-70-4	1000	88.4				-
2,2',3,3',4,4',6-HpCB	PCB-171	52663-71-5	1000	80.6				-
2,2',3,4,4',5,5'-HpCB	PCB-180	35065-29-3	1000	93.8				-
2,3,3',4',5,5',6-HpCB	PCB-193	69782-91-8	1000	106.0				-
2,3,3',4,4',5',6-HpCB	PCB-191	74472-50-7	1000	112.6				-
2,2',3,3',4,4',5-HpCB	PCB-170	35065-30-6	1000	110.5				-
2,3,3',4,4',5,5'-HpCB	PCB-189	39635-31-9	1000	75.6	60	135	Pass	65
2,2',3,3',5,5',6,6'-OcCB	PCB-202	2136-99-4	1000	77.9	60	135	Pass	63
2,2',3,3',4,5',6,6'-OcCB	PCB-201	40186-71-8	1000	62.1				-
2,2',3,3',4,5,5',6'-OcCB	PCB-199	52663-75-9	1000	74.4				-
2,2',3,4,4',5,5',6-OcCB	PCB-203	52663-76-0	1000	68.1				-
2,2',3,3',4,4',5,5'-OcCB	PCB-194	35694-08-7	1000	134.8				-
2,3,3',4,4',5,5',6-OcCB	PCB-205	74472-53-0	1000	91.9	60	135	Pass	66
2,2',3,3',4,5,5',6,6'-NoCB	PCB-208	52663-77-1	1000	80.9	60	135	Pass	62
2,2',3,3',4,4',5,5',6-NoCB	PCB-206	40186-72-9	1000	88.0	60	135	Pass	70
2,2',3,3',4,4',5,5',6,6'-DeCB	PCB-209	2051-24-3	1000	73.6	60	135	Pass	71

LOF - level of fortification

Acronyms used in reporting Polychlorinated Biphenyls (PCBs)

MoCB = Monochlorobiphenyl

DiCB = Dichlorobiphenyl

TrCB = Trichlorobiphenyl

TeCB = Tetrachlorobiphenyl

PeCB = Pentachlorobiphenyl

HxCB = Hexachlorobiphenyl

HpCB = Heptachlorobiphenyl

OcCB = Octachlorobiphenyl

NoCB = Nonachlorobiphenyl

DeCB = Decachlorobiphenyl

Acceptable recoveries for PCB Internal Standards - EPA 1668C

Chemical Name	IUPAC #	Min	Max
¹³ C ₁₂ -2-MoCB	1L	5	145
¹³ C ₁₂ -4-MoCB	3L	5	145
¹³ C ₁₂ -2,2'-DiCB	4L	5	145
¹³ C ₁₂ -4,4'-DiCB	15L	5	145
¹³ C ₁₂ -2,2',6'-TrCB	19L	5	145
¹³ C ₁₂ -3,4,4'-TrCB	37L	5	145
¹³ C ₁₂ -2,2',6,6'-TeCB	54L	5	145
¹³ C ₁₂ -3,4,4',5'-TeCB	81L	10	145
¹³ C ₁₂ -3,3',4,4'-TeCB	77L	10	145
¹³ C ₁₂ -2,2',4,6,6'-PeCB	104L	10	145
¹³ C ₁₂ -2',3,4,4',5'-PeCB	123L	10	145
¹³ C ₁₂ -2,3',4,4',5'-PeCB	118L	10	145
¹³ C ₁₂ -2,3,4,4',5'-PeCB	114L	10	145
¹³ C ₁₂ -2,3,3',4,4'-PeCB	105L	10	145
¹³ C ₁₂ -3,3',4,4',5'-PeCB	126L	10	145
¹³ C ₁₂ -2,2',4,4',6,6'-HxCB	155L	10	145
¹³ C ₁₂ -2,3',4,4',5,5'-HxCB	167L	10	145
¹³ C ₁₂ -2,3,3',4,4',5'-HxCB	156L	10	145
¹³ C ₁₂ -2,3,3',4,4',5'-HxCB	157L	10	145
¹³ C ₁₂ -3,3',4,4',5,5'-HxCB	169L	10	145
¹³ C ₁₂ -2,2',3,4',5,6,6'-HpCB	188L	10	145
¹³ C ₁₂ -2,3,3',4,4',5,5'-HpCB	189L	10	145
¹³ C ₁₂ -2,2',3,3',5,5',6,6'-OcCB	202L	10	145
¹³ C ₁₂ -2,3,3',4,4',5,5',6'-OcCB	205L	10	145
¹³ C ₁₂ -2,2',3,3',4',5,5',6,6'-NoCB	208L	10	145
¹³ C ₁₂ -2,2',3,3',4,4',5,5',6'-NoCB	206L	10	145
¹³ C ₁₂ -DeCB	209L	10	145
¹³ C ₁₂ -2,4,4'-TrCB	28L	5	145
¹³ C ₁₂ -2,3,3',5,5'-PeCB	111L	10	145
¹³ C ₁₂ -2,2',3,3',5,5',6'-HpCB	178L	10	145

