November 20, 2013

FAL Project ID: 8163

Mr. Mark Katchen
Phylmar Group
2342 Manning Avenue
Los Angeles, CA 90064

Dear Mr. Katchen,

Attached are the results for Frontier Analytical Laboratory project **8163**. This corresponds to your project number **365-001A** and project name **MHS/Cabrillo Monitoring**. Five solid samples were received on 11/7/2013 in good condition. All five solid samples were extracted and analyzed by EPA Method 1668C for all 209 polychlorinated biphenyls (PCBs). In addition, the total PCB concentration is listed in the upper right hand portion of page one of each sample data page. **Please note the results are reported in pg/g**. The Phylmar Group requested a turnaround time of ten business days for project **8163**.

The following report consists of an Analytical Data section and a Sample Receipt section. The Analytical Data section contains our project-sample tracking log and the analytical results. The Sample Receipt section contains your chain of custody, our sample login form and the sample photo. The attached results are specifically for the samples referenced in this report only. These results shall not be reproduced except in full. Frontier Analytical Laboratory's NELAP Certificate number is 02113CA. This report has been emailed to you as a PDF file. A hardcopy will not be sent to you unless specifically requested.

If you have any questions regarding project **8163**, please contact me at (916) 934-0900. Thank you for choosing Frontier Analytical Laboratory for your analytical testing needs.

Sincerely,

Bradley B. Silverbush
Director of Operations

Frontier Analytical Laboratory

Sample Tracking Log

FAL Project ID: **8163**

Received on: **11/07/2013** Project Due: **11/22/2013** Storage: **F2**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
8163-001-SA	0	365-001A	SM20131106-B-8B	EPA 1668 PCB	Solid	11/06/2013	NP	11/06/2014
8163-002-SA	0	365-001A	SM20131106-B-9A	EPA 1668 PCB	Solid	11/06/2013	NP	11/06/2014
8163-003-SA	0	365-001A	SM20131106-B-9B	EPA 1668 PCB	Solid	11/06/2013	NP	11/06/2014
8163-004-SA	0	365-001A	SM20131106-B-10A	EPA 1668 PCB	Solid	11/06/2013	NP	11/06/2014
8163-005-SA	0	365-001A	SM20131106-B-10B	EPA 1668 PCB	Solid	11/06/2013	NP	11/06/2014

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EPA Modified Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8163-001-MB
Client ID: Method Blank
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: NA
Amount: 1.00 g

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013
Total Conc: 35.9

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	4.11			PCB-51	ND	6.91		
PCB-2	ND	5.78			PCB-52	ND	5.59	C	69
PCB-3	ND	4.72			PCB-53	ND	7.16		
PCB-4	ND	6.53			PCB-54	ND	3.90		
PCB-5	ND	6.08			PCB-55	ND	5.13		
PCB-6	ND	4.81			PCB-56	ND	7.21	C	60
PCB-7	ND	5.77			PCB-57	ND	4.99		
PCB-8	ND	5.46			PCB-58	ND	5.41		
PCB-9	ND	5.51			PCB-59	-	-	C042	42
PCB-10	ND	5.41			PCB-60	-	-	C056	56
PCB-11	35.9	-	J		PCB-61	ND	5.27	C	70
PCB-12	ND	6.12			PCB-62	ND	5.72		
PCB-13	ND	5.36			PCB-63	ND	5.08		
PCB-14	ND	5.60			PCB-64	-	-	C041	41/71/72
PCB-15	ND	4.18			PCB-65	ND	5.34		
PCB-16	ND	5.36			PCB-66	ND	4.68	C	76
PCB-17	ND	6.47			PCB-67	ND	5.00		
PCB-18	ND	7.17			PCB-68	ND	4.94		
PCB-19	ND	5.25			PCB-69	-	-	C052	52
PCB-20	ND	5.30	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	5.59			PCB-72	-	-	C041	41/64/71
PCB-23	ND	5.65			PCB-73	ND	5.46		
PCB-24	ND	5.53			PCB-74	ND	3.69		
PCB-25	ND	5.60			PCB-75	-	-	C048	48
PCB-26	ND	5.79			PCB-76	-	-	C066	66
PCB-27	ND	4.31			PCB-77	ND	5.62		
PCB-28	ND	5.00			PCB-78	ND	6.96		
PCB-29	ND	5.56			PCB-79	ND	6.94		
PCB-30	ND	4.65			PCB-80	ND	4.26		
PCB-31	ND	5.55			PCB-81	ND	6.38		
PCB-32	ND	4.76			PCB-82	ND	9.55		
PCB-33	-	-	C020	20/21	PCB-83	ND	7.73	C	112
PCB-34	ND	5.53			PCB-84	ND	9.29	C	92
PCB-35	ND	5.38			PCB-85	ND	7.44	C	116
PCB-36	ND	5.37			PCB-86	ND	7.56		
PCB-37	ND	3.82			PCB-87	ND	6.84	C	117/125
PCB-38	ND	5.53			PCB-88	ND	8.85	C	91
PCB-39	ND	5.61			PCB-89	ND	9.87		
PCB-40	ND	9.05			PCB-90	ND	8.27	C	101
PCB-41	ND	5.28	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	5.81	C	59	PCB-92	-	-	C084	84
PCB-43	ND	5.81	C	49	PCB-93	ND	8.32		
PCB-44	ND	6.11			PCB-94	ND	9.75		
PCB-45	ND	7.68			PCB-95	ND	8.16		
PCB-46	ND	8.08			PCB-96	ND	6.25		
PCB-47	ND	5.96			PCB-97	ND	8.83		
PCB-48	ND	5.66	C	75	PCB-98	ND	7.18	C	102
PCB-49	-	-	C043	43	PCB-99	ND	8.09		
PCB-50	ND	6.66			PCB-100	ND	8.05		

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EPA Modified Method 1668
PCBs

FAL ID: 8163-001-MB
Client ID: Method Blank
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: NA
Amount: 1.00 g

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	ND	7.45		
PCB-102	-	-	C098	98	PCB-152	ND	4.82		
PCB-103	ND	7.39			PCB-153	ND	6.32		
PCB-104	ND	4.53			PCB-154	ND	5.42		
PCB-105	ND	7.87			PCB-155	ND	3.48		
PCB-106	ND	7.57	C	118	PCB-156	ND	5.28		
PCB-107	ND	7.55	C	108	PCB-157	ND	6.55		
PCB-108	-	-	C107	107	PCB-158	ND	5.63	C	160
PCB-109	ND	7.18			PCB-159	ND	5.32		
PCB-110	ND	4.92			PCB-160	-	-	C158	158
PCB-111	ND	6.12	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	7.08			PCB-163	-	-	C138	138/164
PCB-114	ND	6.67			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	5.81		
PCB-117	-	-	C087	87/125	PCB-167	ND	5.99		
PCB-118	-	-	C106	106	PCB-168	ND	6.07		
PCB-119	ND	6.17			PCB-169	ND	4.13		
PCB-120	ND	5.75			PCB-170	ND	8.93		
PCB-121	ND	6.45			PCB-171	ND	7.52		
PCB-122	ND	7.94			PCB-172	ND	8.22		
PCB-123	ND	6.74			PCB-173	ND	8.97		
PCB-124	ND	7.06			PCB-174	ND	7.77		
PCB-125	-	-	C087	87/117	PCB-175	ND	7.37		
PCB-126	ND	6.44			PCB-176	ND	5.56		
PCB-127	ND	7.68			PCB-177	ND	8.60		
PCB-128	ND	6.90	C	162	PCB-178	ND	7.62		
PCB-129	ND	8.56			PCB-179	ND	5.38		
PCB-130	ND	7.98			PCB-180	ND	7.23		
PCB-131	ND	7.73	C	133	PCB-181	ND	8.19		
PCB-132	ND	6.42	C	161	PCB-182	ND	6.97	C	187
PCB-133	-	-	C131	131	PCB-183	ND	6.81		
PCB-134	ND	7.87	C	143	PCB-184	ND	5.48		
PCB-135	ND	7.50			PCB-185	ND	7.94		
PCB-136	ND	4.60			PCB-186	ND	5.90		
PCB-137	ND	8.99			PCB-187	-	-	C182	182
PCB-138	ND	5.13	C	163/164	PCB-188	ND	4.43		
PCB-139	ND	7.08	C	149	PCB-189	ND	4.07		
PCB-140	ND	7.16			PCB-190	ND	6.49		
PCB-141	ND	7.42			PCB-191	ND	5.98		
PCB-142	ND	8.47			PCB-192	ND	6.71		
PCB-143	-	-	C134	134	PCB-193	ND	5.80		
PCB-144	ND	7.21			PCB-194	ND	6.26		
PCB-145	ND	5.07			PCB-195	ND	7.74		
PCB-146	ND	6.11	C	165	PCB-196	ND	7.44	C	203
PCB-147	ND	6.86			PCB-197	ND	5.69		
PCB-148	ND	6.81			PCB-198	ND	8.29		
PCB-149	-	-	C139	139	PCB-199	ND	8.53		
PCB-150	ND	5.11			PCB-200	ND	5.49		

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EPA Modified Method 1668
PCBs

FAL ID: 8163-001-MB
Client ID: Method Blank
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: NA
Amount: 1.00 g

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	5.64		
PCB-202	ND	4.28		
PCB-203	-	-	C196	196
PCB-204	ND	5.38		
PCB-205	ND	3.75		
PCB-206	ND	6.15		
PCB-207	ND	7.10		
PCB-208	ND	5.00		
PCB-209	ND	5.10		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	86.1	5.00 - 145	
13C-PCB-3	81.8	5.00 - 145	
13C-PCB-4	84.0	5.00 - 145	
13C-PCB-15	82.8	5.00 - 145	
13C-PCB-19	83.6	5.00 - 145	
13C-PCB-37	86.3	5.00 - 145	
13C-PCB-54	90.3	5.00 - 145	
13C-PCB-77	80.9	10.0 - 145	
13C-PCB-81	79.6	10.0 - 145	
13C-PCB-104	85.4	10.0 - 145	
13C-PCB-105	86.0	10.0 - 145	
13C-PCB-114	88.9	10.0 - 145	
13C-PCB-118	88.2	10.0 - 145	
13C-PCB-123	89.2	10.0 - 145	
13C-PCB-126	84.6	10.0 - 145	
13C-PCB-155	89.2	10.0 - 145	
13C-PCB-156	87.2	10.0 - 145	
13C-PCB-157	86.6	10.0 - 145	
13C-PCB-167	89.0	10.0 - 145	
13C-PCB-169	86.4	10.0 - 145	
13C-PCB-188	89.9	10.0 - 145	
13C-PCB-189	85.6	10.0 - 145	
13C-PCB-202	87.6	10.0 - 145	
13C-PCB-205	88.2	10.0 - 145	
13C-PCB-206	86.3	10.0 - 145	
13C-PCB-208	90.1	10.0 - 145	
13C-PCB-209	90.4	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	90.3	5.00 - 145	
13C-PCB-111	80.0	10.0 - 145	
13C-PCB-178	86.8	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 11/20/2013

Reviewed By: _____
Date: 11/20/2013

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EPA Modified Method 1668
PCBs

FAL ID: 8163-001-OPR
Client ID: OPR
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: NA
Amount: 1.00 g

ICal: 1668FAL4-10-24-13
GC Column: DB1
Units: ng/ml

Acquired: 11-15-2013

Compound	% Recovery	QC Limits	Qual
PCB-1	106	60.0 - 135	
PCB-3	108	60.0 - 135	
PCB-4	106	60.0 - 135	
PCB-15	106	60.0 - 135	
PCB-19	107	60.0 - 135	
PCB-37	102	60.0 - 135	
PCB-54	96.6	60.0 - 135	
PCB-77	97.0	60.0 - 135	
PCB-81	102	60.0 - 135	
PCB-104	104	60.0 - 135	
PCB-105	103	60.0 - 135	
PCB-114	107	60.0 - 135	
PCB-118	109	60.0 - 135	
PCB-123	109	60.0 - 135	
PCB-126	108	60.0 - 135	
PCB-155	108	60.0 - 135	
PCB-156	111	60.0 - 135	
PCB-157	114	60.0 - 135	
PCB-167	112	60.0 - 135	
PCB-169	110	60.0 - 135	
PCB-188	110	60.0 - 135	
PCB-189	114	60.0 - 135	
PCB-202	111	60.0 - 135	
PCB-205	114	60.0 - 135	
PCB-206	107	60.0 - 135	
PCB-208	98.8	60.0 - 135	
PCB-209	122	60.0 - 135	

Internal Standards	% Recovery	QC Limits	Qual
13C-PCB-1	75.0	15.0 - 145	
13C-PCB-3	69.7	15.0 - 145	
13C-PCB-4	85.9	15.0 - 145	
13C-PCB-15	81.5	15.0 - 145	
13C-PCB-19	81.4	15.0 - 145	
13C-PCB-37	85.3	15.0 - 145	
13C-PCB-54	101	15.0 - 145	
13C-PCB-77	92.0	40.0 - 145	
13C-PCB-81	87.0	40.0 - 145	
13C-PCB-104	81.0	40.0 - 145	
13C-PCB-105	102	40.0 - 145	
13C-PCB-114	105	40.0 - 145	
13C-PCB-118	103	40.0 - 145	
13C-PCB-123	110	40.0 - 145	
13C-PCB-126	99.1	40.0 - 145	
13C-PCB-155	87.3	40.0 - 145	
13C-PCB-156	92.6	40.0 - 145	
13C-PCB-157	90.9	40.0 - 145	
13C-PCB-167	91.2	40.0 - 145	
13C-PCB-169	93.6	40.0 - 145	
13C-PCB-188	96.0	40.0 - 145	
13C-PCB-189	89.9	40.0 - 145	
13C-PCB-202	87.6	40.0 - 145	
13C-PCB-205	78.4	40.0 - 145	
13C-PCB-206	87.7	40.0 - 145	
13C-PCB-208	88.6	40.0 - 145	
13C-PCB-209	75.1	40.0 - 145	

Cleanup Surrogate	% Recovery	QC limits	Qual
13C-PCB-28	90.6	15.0 - 145	
13C-PCB-111	85.1	40.0 - 145	
13C-PCB-178	87.9	40.0 - 145	

Analyst: _____

Date: 11/20/2013

Reviewed By: _____

Date: 11/20/2013

EPA Modified Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8163-001-SA
Client ID: SM20131106-B-8B
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.96 g
% Solids: 96.72

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013
Total Conc: 8830000

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	443	-			PCB-51	2620	-		
PCB-2	237	-			PCB-52	399000	-	C	69
PCB-3	641	-			PCB-53	13000	-		
PCB-4	2320	-			PCB-54	71.4	-		
PCB-5	452	-			PCB-55	3970	-		
PCB-6	1560	-			PCB-56	81600	-	C	60
PCB-7	340	-			PCB-57	379	-		
PCB-8	8540	-			PCB-58	117	-		
PCB-9	512	-			PCB-59	-	-	C042	42
PCB-10	113	-			PCB-60	-	-	C056	56
PCB-11	64000	-	B		PCB-61	360000	-	C	70
PCB-12	252	-			PCB-62	ND	6.95		
PCB-13	662	-			PCB-63	3880	-		
PCB-14	ND	8.72			PCB-64	-	-	C041	41/71/72
PCB-15	3550	-			PCB-65	ND	6.49		
PCB-16	6310	-			PCB-66	117000	-	C	76
PCB-17	7470	-			PCB-67	1710	-		
PCB-18	23700	-			PCB-68	1120	-		
PCB-19	1300	-			PCB-69	-	-	C052	52
PCB-20	21000	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	13000	-			PCB-72	-	-	C041	41/64/71
PCB-23	44.7	-			PCB-73	701	-		
PCB-24	333	-			PCB-74	55700	-		
PCB-25	2050	-			PCB-75	-	-	C048	48
PCB-26	5320	-			PCB-76	-	-	C066	66
PCB-27	1060	-			PCB-77	16100	-		
PCB-28	25300	-			PCB-78	1460	-		
PCB-29	217	-			PCB-79	4890	-		
PCB-30	ND	6.27			PCB-80	ND	5.17		
PCB-31	33900	-			PCB-81	9480	-		
PCB-32	6280	-			PCB-82	77600	-		
PCB-33	-	-	C020	20/21	PCB-83	27700	-	C	112
PCB-34	81.2	-			PCB-84	366000	-	C	92
PCB-35	1870	-			PCB-85	85500	-	C	116
PCB-36	100	-			PCB-86	1190	-		
PCB-37	9640	-			PCB-87	280000	-	C	117/125
PCB-38	550	-			PCB-88	91200	-	C	91
PCB-39	72.6	-			PCB-89	6130	-		
PCB-40	16300	-			PCB-90	787000	-	C	101
PCB-41	89200	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	17900	-	C	59	PCB-92	-	-	C084	84
PCB-43	90000	-	C	49	PCB-93	ND	17.9		
PCB-44	185000	-			PCB-94	2500	-		
PCB-45	6790	-			PCB-95	636000	-		
PCB-46	3450	-			PCB-96	4430	-		
PCB-47	15300	-			PCB-97	222000	-		
PCB-48	9080	-	C	75	PCB-98	ND	15.4	C	102
PCB-49	-	-	C043	43	PCB-99	265000	-		
PCB-50	77.1	-			PCB-100	1030	-		

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EPA Modified Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8163-001-SA
Client ID: SM20131106-B-8B
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.96 g
% Solids: 96.72

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	146000	-		
PCB-102	-	-	C098	98	PCB-152	660	-		
PCB-103	2720	-			PCB-153	388000	-		
PCB-104	ND	9.73			PCB-154	2570	-		
PCB-105	184000	-			PCB-155	89.4	-		
PCB-106	503000	-	C	118	PCB-156	25200	-		
PCB-107	35000	-	C	108	PCB-157	5970	-		
PCB-108	-	-	C107	107	PCB-158	50400	-	C	160
PCB-109	21.0	-	J		PCB-159	3560	-		
PCB-110	524000	-			PCB-160	-	-	C158	158
PCB-111	16100	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	12.6			PCB-163	-	-	C138	138/164
PCB-114	11500	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	1680	-		
PCB-117	-	-	C087	87/125	PCB-167	9440	-		
PCB-118	-	-	C106	106	PCB-168	625	-		
PCB-119	7720	-			PCB-169	ND	25.7		
PCB-120	603	-			PCB-170	31500	-		
PCB-121	ND	13.9			PCB-171	14900	-		
PCB-122	3490	-			PCB-172	8030	-		
PCB-123	8060	-			PCB-173	1260	-		
PCB-124	21300	-			PCB-174	78600	-		
PCB-125	-	-	C087	87/117	PCB-175	3980	-		
PCB-126	1390	-			PCB-176	12900	-		
PCB-127	302	-			PCB-177	39600	-		
PCB-128	57300	-	C	162	PCB-178	18600	-		
PCB-129	19600	-			PCB-179	52200	-		
PCB-130	21600	-			PCB-180	125000	-		
PCB-131	14500	-	C	133	PCB-181	ND	25.5		
PCB-132	175000	-	C	161	PCB-182	125000	-	C	187
PCB-133	-	-	C131	131	PCB-183	47100	-		
PCB-134	37200	-	C	143	PCB-184	211	-		
PCB-135	84000	-			PCB-185	12400	-		
PCB-136	67900	-			PCB-186	ND	18.4		
PCB-137	38600	-			PCB-187	-	-	C182	182
PCB-138	313000	-	C	163/164	PCB-188	97.0	-		
PCB-139	481000	-	C	149	PCB-189	703	-		
PCB-140	2800	-			PCB-190	7740	-		
PCB-141	98900	-			PCB-191	1650	-		
PCB-142	119	-			PCB-192	ND	20.9		
PCB-143	-	-	C134	134	PCB-193	4810	-		
PCB-144	27800	-			PCB-194	26200	-		
PCB-145	263	-			PCB-195	15200	-		
PCB-146	52600	-	C	165	PCB-196	40800	-	C	203
PCB-147	12400	-			PCB-197	1850	-		
PCB-148	24.0	-	J		PCB-198	2150	-		
PCB-149	-	-	C139	139	PCB-199	44300	-		
PCB-150	604	-			PCB-200	6860	-		

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EPA Modified Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8163-001-SA
Client ID: SM20131106-B-8B
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.96 g
% Solids: 96.72

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Compound	Conc	DL	Qual	Coeluters
PCB-201	8690	-		
PCB-202	10400	-		
PCB-203	-	-	C196	196
PCB-204	ND	7.73		
PCB-205	864	-		
PCB-206	16200	-		
PCB-207	3340	-		
PCB-208	4460	-		
PCB-209	3320	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	89.7	5.00 - 145	
13C-PCB-3	89.5	5.00 - 145	
13C-PCB-4	85.0	5.00 - 145	
13C-PCB-15	93.7	5.00 - 145	
13C-PCB-19	83.1	5.00 - 145	
13C-PCB-37	95.2	5.00 - 145	
13C-PCB-54	93.9	5.00 - 145	
13C-PCB-77	90.9	10.0 - 145	
13C-PCB-81	92.4	10.0 - 145	
13C-PCB-104	96.9	10.0 - 145	
13C-PCB-105	109	10.0 - 145	
13C-PCB-114	119	10.0 - 145	
13C-PCB-118	117	10.0 - 145	
13C-PCB-123	130	10.0 - 145	
13C-PCB-126	83.1	10.0 - 145	
13C-PCB-155	91.2	10.0 - 145	
13C-PCB-156	87.0	10.0 - 145	
13C-PCB-157	77.6	10.0 - 145	
13C-PCB-167	90.9	10.0 - 145	
13C-PCB-169	70.5	10.0 - 145	
13C-PCB-188	115	10.0 - 145	
13C-PCB-189	65.9	10.0 - 145	
13C-PCB-202	90.3	10.0 - 145	
13C-PCB-205	88.0	10.0 - 145	
13C-PCB-206	104	10.0 - 145	
13C-PCB-208	107	10.0 - 145	
13C-PCB-209	112	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	87.1	5.00 - 145	
13C-PCB-111	80.7	10.0 - 145	
13C-PCB-178	95.9	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 11/20/2013

Reviewed By: _____
Date: 11/20/2013

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EPA Modified Method 1668
PCBs

FAL ID: 8163-002-SA
Client ID: SM20131106-B-9A
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.51 g
% Solids: 100.00

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013
Total Conc: 1190000

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	35.1	-	J		PCB-51	410	-		
PCB-2	44.0	-	J		PCB-52	83000	-	C	69
PCB-3	54.3	-	J		PCB-53	2110	-		
PCB-4	116	-			PCB-54	ND	4.48		
PCB-5	61.0	-	J		PCB-55	624	-		
PCB-6	115	-			PCB-56	6080	-	C	60
PCB-7	21.2	-	J		PCB-57	61.5	-	J	
PCB-8	551	-			PCB-58	ND	6.22		
PCB-9	138	-			PCB-59	-	-	C042	42
PCB-10	12.9	-	J		PCB-60	-	-	C056	56
PCB-11	8550	-	B		PCB-61	55400	-	C	70
PCB-12	16.2	-	J		PCB-62	ND	6.58		
PCB-13	41.5	-	J		PCB-63	550	-		
PCB-14	ND	8.59			PCB-64	-	-	C041	41/71/72
PCB-15	292	-			PCB-65	ND	6.14		
PCB-16	471	-			PCB-66	16200	-	C	76
PCB-17	504	-			PCB-67	157	-		
PCB-18	1540	-			PCB-68	490	-		
PCB-19	82.9	-			PCB-69	-	-	C052	52
PCB-20	1270	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	687	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	7.54			PCB-73	118	-		
PCB-24	13.9	-	J		PCB-74	8720	-		
PCB-25	137	-			PCB-75	-	-	C048	48
PCB-26	351	-			PCB-76	-	-	C066	66
PCB-27	86.3	-			PCB-77	1240	-		
PCB-28	1540	-			PCB-78	224	-		
PCB-29	35.7	-	J		PCB-79	572	-		
PCB-30	ND	4.34			PCB-80	ND	4.89		
PCB-31	2540	-			PCB-81	1090	-		
PCB-32	362	-			PCB-82	10100	-		
PCB-33	-	-	C020	20/21	PCB-83	4160	-	C	112
PCB-34	ND	7.39			PCB-84	48600	-	C	92
PCB-35	185	-			PCB-85	12300	-	C	116
PCB-36	14.7	-	J		PCB-86	232	-		
PCB-37	474	-			PCB-87	39000	-	C	117/125
PCB-38	54.4	-	J		PCB-88	17900	-	C	91
PCB-39	ND	7.49			PCB-89	822	-		
PCB-40	2090	-			PCB-90	113000	-	C	101
PCB-41	14100	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	2300	-	C	59	PCB-92	-	-	C084	84
PCB-43	17900	-	C	49	PCB-93	ND	14.9		
PCB-44	32000	-			PCB-94	623	-		
PCB-45	767	-			PCB-95	124000	-		
PCB-46	ND	9.29			PCB-96	876	-		
PCB-47	3270	-			PCB-97	30500	-		
PCB-48	1330	-	C	75	PCB-98	ND	12.8	C	102
PCB-49	-	-	C043	43	PCB-99	38700	-		
PCB-50	ND	7.66			PCB-100	277	-		

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EPA Modified Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8163-002-SA
Client ID: SM20131106-B-9A
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.51 g
% Solids: 100.00

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	10800	-		
PCB-102	-	-	C098	98	PCB-152	165	-		
PCB-103	677	-			PCB-153	41400	-		
PCB-104	ND	8.09			PCB-154	632	-		
PCB-105	24300	-			PCB-155	29.0	-	J	
PCB-106	71500	-	C	118	PCB-156	5830	-		
PCB-107	4830	-	C	108	PCB-157	1490	-		
PCB-108	-	-	C107	107	PCB-158	7600	-	C	160
PCB-109	ND	9.90			PCB-159	114	-		
PCB-110	75400	-			PCB-160	-	-	C158	158
PCB-111	1930	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	9.76			PCB-163	-	-	C138	138/164
PCB-114	1630	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	344	-		
PCB-117	-	-	C087	87/125	PCB-167	2130	-		
PCB-118	-	-	C106	106	PCB-168	91.2	-		
PCB-119	1220	-			PCB-169	24.6	-	J	
PCB-120	97.3	-			PCB-170	4540	-		
PCB-121	ND	11.5			PCB-171	1390	-		
PCB-122	816	-			PCB-172	682	-		
PCB-123	1050	-			PCB-173	174	-		
PCB-124	2970	-			PCB-174	4040	-		
PCB-125	-	-	C087	87/117	PCB-175	194	-		
PCB-126	312	-			PCB-176	749	-		
PCB-127	55.9	-	J		PCB-177	2300	-		
PCB-128	10400	-	C	162	PCB-178	744	-		
PCB-129	3840	-			PCB-179	1860	-		
PCB-130	4100	-			PCB-180	6840	-		
PCB-131	2240	-	C	133	PCB-181	124	-		
PCB-132	20100	-	C	161	PCB-182	4010	-	C	187
PCB-133	-	-	C131	131	PCB-183	2400	-		
PCB-134	4610	-	C	143	PCB-184	45.3	-	J	
PCB-135	8200	-			PCB-185	387	-		
PCB-136	11500	-			PCB-186	ND	9.30		
PCB-137	5260	-			PCB-187	-	-	C182	182
PCB-138	45600	-	C	163/164	PCB-188	ND	7.13		
PCB-139	48400	-	C	149	PCB-189	141	-		
PCB-140	374	-			PCB-190	784	-		
PCB-141	9550	-			PCB-191	184	-		
PCB-142	45.0	-	J		PCB-192	ND	10.6		
PCB-143	-	-	C134	134	PCB-193	307	-		
PCB-144	3280	-			PCB-194	624	-		
PCB-145	75.7	-	J		PCB-195	282	-		
PCB-146	6430	-	C	165	PCB-196	960	-	C	203
PCB-147	1850	-			PCB-197	53.9	-	J	
PCB-148	ND	7.24			PCB-198	71.7	-	J	
PCB-149	-	-	C139	139	PCB-199	957	-		
PCB-150	143	-			PCB-200	160	-		

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EPA Modified Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8163-002-SA
Client ID: SM20131106-B-9A
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.51 g
% Solids: 100.00

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Compound	Conc	DL	Qual	Coeluters
PCB-201	200	-		
PCB-202	211	-		
PCB-203	-	-	C196	196
PCB-204	ND	6.50		
PCB-205	33.7	-	J	
PCB-206	337	-		
PCB-207	81.6	-		
PCB-208	84.7	-		
PCB-209	1300	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	85.5	5.00 - 145	
13C-PCB-3	84.1	5.00 - 145	
13C-PCB-4	86.7	5.00 - 145	
13C-PCB-15	91.7	5.00 - 145	
13C-PCB-19	87.2	5.00 - 145	
13C-PCB-37	102	5.00 - 145	
13C-PCB-54	86.7	5.00 - 145	
13C-PCB-77	101	10.0 - 145	
13C-PCB-81	100	10.0 - 145	
13C-PCB-104	86.6	10.0 - 145	
13C-PCB-105	103	10.0 - 145	
13C-PCB-114	103	10.0 - 145	
13C-PCB-118	101	10.0 - 145	
13C-PCB-123	101	10.0 - 145	
13C-PCB-126	103	10.0 - 145	
13C-PCB-155	88.0	10.0 - 145	
13C-PCB-156	95.5	10.0 - 145	
13C-PCB-157	95.8	10.0 - 145	
13C-PCB-167	98.9	10.0 - 145	
13C-PCB-169	99.7	10.0 - 145	
13C-PCB-188	88.0	10.0 - 145	
13C-PCB-189	94.4	10.0 - 145	
13C-PCB-202	86.6	10.0 - 145	
13C-PCB-205	86.7	10.0 - 145	
13C-PCB-206	82.9	10.0 - 145	
13C-PCB-208	89.0	10.0 - 145	
13C-PCB-209	79.3	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	93.8	5.00 - 145	
13C-PCB-111	86.8	10.0 - 145	
13C-PCB-178	84.3	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 11/20/2013

Reviewed By: _____
Date: 11/20/2013

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EPA Modified Method 1668
PCBs

FAL ID: 8163-003-SA
Client ID: SM20131106-B-9B
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.96 g
% Solids: 96.10

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013
Total Conc: 5080000

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	86.3	-			PCB-51	1980	-		
PCB-2	79.2	-			PCB-52	284000	-	C	69
PCB-3	139	-			PCB-53	7620	-		
PCB-4	1290	-			PCB-54	30.4	-	J	
PCB-5	219	-			PCB-55	2020	-		
PCB-6	804	-			PCB-56	43200	-	C	60
PCB-7	151	-			PCB-57	190	-		
PCB-8	5000	-			PCB-58	51.0	-		
PCB-9	240	-			PCB-59	-	-	C042	42
PCB-10	45.1	-			PCB-60	-	-	C056	56
PCB-11	70000	-	B		PCB-61	255000	-	C	70
PCB-12	201	-			PCB-62	ND	8.47		
PCB-13	624	-			PCB-63	2380	-		
PCB-14	ND	5.44			PCB-64	-	-	C041	41/71/72
PCB-15	3240	-			PCB-65	ND	7.91		
PCB-16	4900	-			PCB-66	71300	-	C	76
PCB-17	4480	-			PCB-67	787	-		
PCB-18	13300	-			PCB-68	407	-		
PCB-19	824	-			PCB-69	-	-	C052	52
PCB-20	12100	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	7630	-			PCB-72	-	-	C041	41/64/71
PCB-23	23.2	-	J		PCB-73	868	-		
PCB-24	105	-			PCB-74	37200	-		
PCB-25	1190	-			PCB-75	-	-	C048	48
PCB-26	2750	-			PCB-76	-	-	C066	66
PCB-27	765	-			PCB-77	5400	-		
PCB-28	14400	-			PCB-78	823	-		
PCB-29	122	-			PCB-79	3030	-		
PCB-30	ND	4.13			PCB-80	ND	6.30		
PCB-31	20000	-			PCB-81	5080	-		
PCB-32	3270	-			PCB-82	49000	-		
PCB-33	-	-	C020	20/21	PCB-83	19100	-	C	112
PCB-34	39.0	-	J		PCB-84	242000	-	C	92
PCB-35	1260	-			PCB-85	61400	-	C	116
PCB-36	104	-			PCB-86	686	-		
PCB-37	4790	-			PCB-87	201000	-	C	117/125
PCB-38	191	-			PCB-88	65700	-	C	91
PCB-39	35.1	-	J		PCB-89	2550	-		
PCB-40	9530	-			PCB-90	569000	-	C	101
PCB-41	57700	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	10500	-	C	59	PCB-92	-	-	C084	84
PCB-43	63400	-	C	49	PCB-93	ND	12.2		
PCB-44	124000	-			PCB-94	1610	-		
PCB-45	3950	-			PCB-95	443000	-		
PCB-46	1930	-			PCB-96	2620	-		
PCB-47	10600	-			PCB-97	155000	-		
PCB-48	5230	-	C	75	PCB-98	ND	10.5	C	102
PCB-49	-	-	C043	43	PCB-99	208000	-		
PCB-50	44.9	-			PCB-100	714	-		

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EPA Modified Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8163-003-SA
Client ID: SM20131106-B-9B
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.96 g
% Solids: 96.10

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	54100	-		
PCB-102	-	-	C098	98	PCB-152	382	-		
PCB-103	1910	-			PCB-153	163000	-		
PCB-104	ND	6.63			PCB-154	1650	-		
PCB-105	101000	-			PCB-155	38.7	-	J	
PCB-106	321000	-	C	118	PCB-156	8790	-		
PCB-107	23000	-	C	108	PCB-157	1940	-		
PCB-108	-	-	C107	107	PCB-158	24600	-	C	160
PCB-109	ND	25.8			PCB-159	245	-		
PCB-110	360000	-			PCB-160	-	-	C158	158
PCB-111	11500	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	25.5			PCB-163	-	-	C138	138/164
PCB-114	8760	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	1170	-		
PCB-117	-	-	C087	87/125	PCB-167	3900	-		
PCB-118	-	-	C106	106	PCB-168	254	-		
PCB-119	5420	-			PCB-169	ND	12.6		
PCB-120	200	-			PCB-170	2990	-		
PCB-121	ND	9.42			PCB-171	2350	-		
PCB-122	2540	-			PCB-172	860	-		
PCB-123	4920	-			PCB-173	306	-		
PCB-124	14000	-			PCB-174	6460	-		
PCB-125	-	-	C087	87/117	PCB-175	540	-		
PCB-126	644	-			PCB-176	1800	-		
PCB-127	155	-			PCB-177	4130	-		
PCB-128	23400	-	C	162	PCB-178	1650	-		
PCB-129	10100	-			PCB-179	4970	-		
PCB-130	10900	-			PCB-180	7450	-		
PCB-131	8820	-	C	133	PCB-181	211	-		
PCB-132	92500	-	C	161	PCB-182	8830	-	C	187
PCB-133	-	-	C131	131	PCB-183	4870	-		
PCB-134	20800	-	C	143	PCB-184	75.2	-		
PCB-135	41700	-			PCB-185	873	-		
PCB-136	31500	-			PCB-186	ND	11.5		
PCB-137	22900	-			PCB-187	-	-	C182	182
PCB-138	140000	-	C	163/164	PCB-188	32.8	-	J	
PCB-139	220000	-	C	149	PCB-189	72.2	-		
PCB-140	1680	-			PCB-190	594	-		
PCB-141	36800	-			PCB-191	179	-		
PCB-142	151	-			PCB-192	62.3	-		
PCB-143	-	-	C134	134	PCB-193	293	-		
PCB-144	14500	-			PCB-194	305	-		
PCB-145	158	-			PCB-195	273	-		
PCB-146	27200	-	C	165	PCB-196	1020	-	C	203
PCB-147	8430	-			PCB-197	77.5	-		
PCB-148	82.5	-			PCB-198	91.7	-		
PCB-149	-	-	C139	139	PCB-199	1000	-		
PCB-150	354	-			PCB-200	231	-		

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EPA Modified Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8163-003-SA
Client ID: SM20131106-B-9B
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.96 g
% Solids: 96.10

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Compound	Conc	DL	Qual	Coeluters
PCB-201	321	-		
PCB-202	386	-		
PCB-203	-	-	C196	196
PCB-204	ND	8.22		
PCB-205	18.5	-	J	
PCB-206	127	-		
PCB-207	67.9	-		
PCB-208	93.3	-		
PCB-209	187	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	87.1	5.00 - 145	
13C-PCB-3	86.3	5.00 - 145	
13C-PCB-4	87.5	5.00 - 145	
13C-PCB-15	94.6	5.00 - 145	
13C-PCB-19	84.8	5.00 - 145	
13C-PCB-37	103	5.00 - 145	
13C-PCB-54	87.5	5.00 - 145	
13C-PCB-77	88.5	10.0 - 145	
13C-PCB-81	90.0	10.0 - 145	
13C-PCB-104	85.2	10.0 - 145	
13C-PCB-105	114	10.0 - 145	
13C-PCB-114	119	10.0 - 145	
13C-PCB-118	120	10.0 - 145	
13C-PCB-123	131	10.0 - 145	
13C-PCB-126	87.3	10.0 - 145	
13C-PCB-155	96.8	10.0 - 145	
13C-PCB-156	88.3	10.0 - 145	
13C-PCB-157	80.8	10.0 - 145	
13C-PCB-167	90.1	10.0 - 145	
13C-PCB-169	74.2	10.0 - 145	
13C-PCB-188	112	10.0 - 145	
13C-PCB-189	71.1	10.0 - 145	
13C-PCB-202	92.9	10.0 - 145	
13C-PCB-205	92.1	10.0 - 145	
13C-PCB-206	97.3	10.0 - 145	
13C-PCB-208	94.2	10.0 - 145	
13C-PCB-209	106	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	104	5.00 - 145	
13C-PCB-111	83.0	10.0 - 145	
13C-PCB-178	97.8	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 11/20/2013

Reviewed By: _____
Date: 11/20/2013

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EPA Modified Method 1668
PCBs

FAL ID: 8163-004-SA
Client ID: SM20131106-B-10A
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.52 g
% Solids: 100.00

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013
Total Conc: 9160000

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	183	-			PCB-51	521	-		
PCB-2	52.9	-	J		PCB-52	34600	-	C	69
PCB-3	193	-			PCB-53	1560	-		
PCB-4	447	-			PCB-54	15.2	-	J	
PCB-5	155	-			PCB-55	800	-		
PCB-6	441	-			PCB-56	19400	-	C	60
PCB-7	144	-			PCB-57	89.4	-		
PCB-8	2140	-			PCB-58	58.6	-	J	
PCB-9	131	-			PCB-59	-	-	C042	42
PCB-10	45.8	-	J		PCB-60	-	-	C056	56
PCB-11	2520	-	B		PCB-61	46800	-	C	70
PCB-12	108	-			PCB-62	ND	9.60		
PCB-13	188	-			PCB-63	1010	-		
PCB-14	ND	8.52			PCB-64	-	-	C041	41/71/72
PCB-15	911	-			PCB-65	ND	8.96		
PCB-16	1720	-			PCB-66	34600	-	C	76
PCB-17	1880	-			PCB-67	852	-		
PCB-18	5260	-			PCB-68	115	-		
PCB-19	235	-			PCB-69	-	-	C052	52
PCB-20	7210	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	4280	-			PCB-72	-	-	C041	41/64/71
PCB-23	14.6	-	J		PCB-73	134	-		
PCB-24	53.7	-	J		PCB-74	11200	-		
PCB-25	622	-			PCB-75	-	-	C048	48
PCB-26	1340	-			PCB-76	-	-	C066	66
PCB-27	325	-			PCB-77	3320	-		
PCB-28	8330	-			PCB-78	154	-		
PCB-29	67.5	-	J		PCB-79	525	-		
PCB-30	ND	6.35			PCB-80	ND	7.14		
PCB-31	9140	-			PCB-81	1930	-		
PCB-32	1570	-			PCB-82	7700	-		
PCB-33	-	-	C020	20/21	PCB-83	2900	-	C	112
PCB-34	25.0	-	J		PCB-84	67100	-	C	92
PCB-35	273	-			PCB-85	8690	-	C	116
PCB-36	21.1	-	J		PCB-86	193	-		
PCB-37	3210	-			PCB-87	60200	-	C	117/125
PCB-38	64.0	-	J		PCB-88	8740	-	C	91
PCB-39	ND	8.06			PCB-89	706	-		
PCB-40	3610	-			PCB-90	464000	-	C	101
PCB-41	18200	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	5120	-	C	59	PCB-92	-	-	C084	84
PCB-43	11000	-	C	49	PCB-93	ND	9.06		
PCB-44	17100	-			PCB-94	357	-		
PCB-45	1680	-			PCB-95	314000	-		
PCB-46	712	-			PCB-96	462	-		
PCB-47	3570	-			PCB-97	26500	-		
PCB-48	3260	-	C	75	PCB-98	ND	7.82	C	102
PCB-49	-	-	C043	43	PCB-99	25300	-		
PCB-50	24.3	-	J		PCB-100	142	-		

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EPA Modified Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8163-004-SA
Client ID: SM20131106-B-10A
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.52 g
% Solids: 100.00

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	429000	-		
PCB-102	-	-	C098	98	PCB-152	187	-		
PCB-103	394	-			PCB-153	1130000	-		
PCB-104	ND	4.93			PCB-154	1200	-		
PCB-105	31500	-			PCB-155	29.2	-	J	
PCB-106	139000	-	C	118	PCB-156	28800	-		
PCB-107	4890	-	C	108	PCB-157	1970	-		
PCB-108	-	-	C107	107	PCB-158	79800	-	C	160
PCB-109	ND	7.72			PCB-159	14200	-		
PCB-110	173000	-			PCB-160	-	-	C158	158
PCB-111	1620	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	7.61			PCB-163	-	-	C138	138/164
PCB-114	3240	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	4340	-		
PCB-117	-	-	C087	87/125	PCB-167	11200	-		
PCB-118	-	-	C106	106	PCB-168	ND	9.56		
PCB-119	709	-			PCB-169	44.4	-	J	
PCB-120	1940	-			PCB-170	155000	-		
PCB-121	ND	7.02			PCB-171	76300	-		
PCB-122	660	-			PCB-172	36600	-		
PCB-123	974	-			PCB-173	7390	-		
PCB-124	9810	-			PCB-174	372000	-		
PCB-125	-	-	C087	87/117	PCB-175	16500	-		
PCB-126	567	-			PCB-176	69100	-		
PCB-127	99.2	-			PCB-177	206000	-		
PCB-128	38100	-	C	162	PCB-178	76900	-		
PCB-129	12900	-			PCB-179	227000	-		
PCB-130	24700	-			PCB-180	472000	-		
PCB-131	14600	-	C	133	PCB-181	1640	-		
PCB-132	243000	-	C	161	PCB-182	455000	-	C	187
PCB-133	-	-	C131	131	PCB-183	209000	-		
PCB-134	44700	-	C	143	PCB-184	131	-		
PCB-135	155000	-			PCB-185	54700	-		
PCB-136	174000	-			PCB-186	ND	15.1		
PCB-137	3750	-			PCB-187	-	-	C182	182
PCB-138	714000	-	C	163/164	PCB-188	136	-		
PCB-139	1150000	-	C	149	PCB-189	1700	-		
PCB-140	874	-			PCB-190	35500	-		
PCB-141	302000	-			PCB-191	7090	-		
PCB-142	80.2	-			PCB-192	ND	17.2		
PCB-143	-	-	C134	134	PCB-193	20400	-		
PCB-144	81300	-			PCB-194	22900	-		
PCB-145	76.4	-	J		PCB-195	21600	-		
PCB-146	115000	-	C	165	PCB-196	69400	-	C	203
PCB-147	2070	-			PCB-197	5120	-		
PCB-148	ND	14.3			PCB-198	4000	-		
PCB-149	-	-	C139	139	PCB-199	69800	-		
PCB-150	302	-			PCB-200	16500	-		

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EPA Modified Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8163-004-SA
Client ID: SM20131106-B-10A
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.52 g
% Solids: 100.00

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Compound	Conc	DL	Qual	Coeluters
PCB-201	18200	-		
PCB-202	17700	-		
PCB-203	-	-	C196	196
PCB-204	ND	6.06		
PCB-205	1000	-		
PCB-206	2470	-		
PCB-207	1310	-		
PCB-208	1180	-		
PCB-209	108	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	87.5	5.00 - 145	
13C-PCB-3	85.8	5.00 - 145	
13C-PCB-4	86.2	5.00 - 145	
13C-PCB-15	92.3	5.00 - 145	
13C-PCB-19	88.6	5.00 - 145	
13C-PCB-37	99.9	5.00 - 145	
13C-PCB-54	88.1	5.00 - 145	
13C-PCB-77	96.2	10.0 - 145	
13C-PCB-81	97.1	10.0 - 145	
13C-PCB-104	87.6	10.0 - 145	
13C-PCB-105	98.7	10.0 - 145	
13C-PCB-114	98.9	10.0 - 145	
13C-PCB-118	98.3	10.0 - 145	
13C-PCB-123	99.4	10.0 - 145	
13C-PCB-126	99.4	10.0 - 145	
13C-PCB-155	87.2	10.0 - 145	
13C-PCB-156	94.5	10.0 - 145	
13C-PCB-157	95.2	10.0 - 145	
13C-PCB-167	96.4	10.0 - 145	
13C-PCB-169	97.8	10.0 - 145	
13C-PCB-188	84.9	10.0 - 145	
13C-PCB-189	93.6	10.0 - 145	
13C-PCB-202	86.5	10.0 - 145	
13C-PCB-205	96.5	10.0 - 145	
13C-PCB-206	84.7	10.0 - 145	
13C-PCB-208	91.5	10.0 - 145	
13C-PCB-209	80.9	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	90.6	5.00 - 145	
13C-PCB-111	82.0	10.0 - 145	
13C-PCB-178	79.7	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 11/20/2013

Reviewed By: _____
Date: 11/20/2013

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EPA Modified Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8163-005-SA
Client ID: SM20131106-B-10B
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.96 g
% Solids: 95.38

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013
Total Conc: 40100000

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	726	-			PCB-51	3910	-		
PCB-2	193	-			PCB-52	182000	-	C	69
PCB-3	859	-			PCB-53	15300	-		
PCB-4	4770	-			PCB-54	187	-		
PCB-5	1060	-			PCB-55	3160	-		
PCB-6	2920	-			PCB-56	95400	-	C	60
PCB-7	584	-			PCB-57	369	-		
PCB-8	16100	-			PCB-58	162	-		
PCB-9	860	-			PCB-59	-	-	C042	42
PCB-10	326	-			PCB-60	-	-	C056	56
PCB-11	8800	-			PCB-61	176000	-	C	70
PCB-12	561	-			PCB-62	47.4	-		
PCB-13	1230	-			PCB-63	3580	-		
PCB-14	ND	9.79			PCB-64	-	-	C041	41/71/72
PCB-15	7440	-			PCB-65	55.5	-		
PCB-16	20300	-			PCB-66	132000	-	C	76
PCB-17	18400	-			PCB-67	2860	-		
PCB-18	60300	-			PCB-68	400	-		
PCB-19	3570	-			PCB-69	-	-	C052	52
PCB-20	51400	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	30200	-			PCB-72	-	-	C041	41/64/71
PCB-23	70.6	-			PCB-73	304	-		
PCB-24	335	-			PCB-74	37700	-		
PCB-25	3840	-			PCB-75	-	-	C048	48
PCB-26	9610	-			PCB-76	-	-	C066	66
PCB-27	3190	-			PCB-77	23000	-		
PCB-28	50200	-			PCB-78	720	-		
PCB-29	327	-			PCB-79	2110	-		
PCB-30	ND	4.96			PCB-80	ND	8.25		
PCB-31	68500	-			PCB-81	10600	-		
PCB-32	18200	-			PCB-82	38000	-		
PCB-33	-	-	C020	20/21	PCB-83	11500	-	C	112
PCB-34	173	-			PCB-84	248000	-	C	92
PCB-35	1640	-			PCB-85	38700	-	C	116
PCB-36	71.0	-			PCB-86	988	-		
PCB-37	22900	-			PCB-87	243000	-	C	117/125
PCB-38	694	-			PCB-88	37000	-	C	91
PCB-39	82.7	-			PCB-89	3090	-		
PCB-40	21600	-			PCB-90	1470000	-	C	101
PCB-41	85000	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	29500	-	C	59	PCB-92	-	-	C084	84
PCB-43	61700	-	C	49	PCB-93	ND	16.9		
PCB-44	104000	-			PCB-94	1290	-		
PCB-45	16500	-			PCB-95	1190000	-		
PCB-46	7680	-			PCB-96	2430	-		
PCB-47	16600	-			PCB-97	102000	-		
PCB-48	17300	-	C	75	PCB-98	ND	14.6	C	102
PCB-49	-	-	C043	43	PCB-99	88900	-		
PCB-50	177	-			PCB-100	461	-		

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EPA Modified Method 1668
PCBs

FAL ID: 8163-005-SA
Client ID: SM20131106-B-10B
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.96 g
% Solids: 95.38

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	1420000	-		
PCB-102	-	-	C098	98	PCB-152	553	-		
PCB-103	1240	-			PCB-153	4090000	-		
PCB-104	ND	9.22			PCB-154	2740	-		
PCB-105	194000	-			PCB-155	40.4	-	J	
PCB-106	607000	-	C	118	PCB-156	195000	-		
PCB-107	21400	-	C	108	PCB-157	9520	-		
PCB-108	-	-	C107	107	PCB-158	396000	-	C	160
PCB-109	151	-			PCB-159	59200	-		
PCB-110	696000	-			PCB-160	-	-	C158	158
PCB-111	4860	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	565	-			PCB-163	-	-	C138	138/164
PCB-114	14600	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	870	-		
PCB-117	-	-	C087	87/125	PCB-167	73700	-		
PCB-118	-	-	C106	106	PCB-168	3200	-		
PCB-119	2660	-			PCB-169	178	-		
PCB-120	7890	-			PCB-170	1100000	-		
PCB-121	ND	13.1			PCB-171	462000	-		
PCB-122	3160	-			PCB-172	240000	-		
PCB-123	4600	-			PCB-173	42100	-		
PCB-124	46100	-			PCB-174	2040000	-		
PCB-125	-	-	C087	87/117	PCB-175	79200	-		
PCB-126	4520	-			PCB-176	285000	-		
PCB-127	447	-			PCB-177	1190000	-		
PCB-128	232000	-	C	162	PCB-178	363000	-		
PCB-129	65800	-			PCB-179	873000	-		
PCB-130	123000	-			PCB-180	2890000	-		
PCB-131	60800	-	C	133	PCB-181	4510	-		
PCB-132	1070000	-	C	161	PCB-182	2210000	-	C	187
PCB-133	-	-	C131	131	PCB-183	1060000	-		
PCB-134	153000	-	C	143	PCB-184	458	-		
PCB-135	511000	-			PCB-185	270000	-		
PCB-136	725000	-			PCB-186	92.6	-		
PCB-137	27400	-			PCB-187	-	-	C182	182
PCB-138	3170000	-	C	163/164	PCB-188	269	-		
PCB-139	3770000	-	C	149	PCB-189	13600	-		
PCB-140	2460	-			PCB-190	256000	-		
PCB-141	1300000	-			PCB-191	49800	-		
PCB-142	260	-			PCB-192	398	-		
PCB-143	-	-	C134	134	PCB-193	144000	-		
PCB-144	309000	-			PCB-194	222000	-		
PCB-145	211	-			PCB-195	211000	-		
PCB-146	461000	-	C	165	PCB-196	462000	-	C	203
PCB-147	8970	-			PCB-197	24300	-		
PCB-148	294	-			PCB-198	29100	-		
PCB-149	-	-	C139	139	PCB-199	445000	-		
PCB-150	704	-			PCB-200	88000	-		

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EPA Modified Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8163-005-SA
Client ID: SM20131106-B-10B
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.96 g
% Solids: 95.38

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Compound	Conc	DL	Qual	Coeluters
PCB-201	86300	-		
PCB-202	80100	-		
PCB-203	-	-	C196	196
PCB-204	118	-		
PCB-205	8000	-		
PCB-206	19700	-		
PCB-207	8940	-		
PCB-208	8560	-		
PCB-209	1010	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	90.1	5.00 - 145	
13C-PCB-3	87.7	5.00 - 145	
13C-PCB-4	80.4	5.00 - 145	
13C-PCB-15	91.8	5.00 - 145	
13C-PCB-19	76.7	5.00 - 145	
13C-PCB-37	85.7	5.00 - 145	
13C-PCB-54	89.7	5.00 - 145	
13C-PCB-77	96.1	10.0 - 145	
13C-PCB-81	97.0	10.0 - 145	
13C-PCB-104	93.7	10.0 - 145	
13C-PCB-105	91.8	10.0 - 145	
13C-PCB-114	98.5	10.0 - 145	
13C-PCB-118	96.5	10.0 - 145	
13C-PCB-123	107	10.0 - 145	
13C-PCB-126	97.0	10.0 - 145	
13C-PCB-155	79.1	10.0 - 145	
13C-PCB-156	97.5	10.0 - 145	
13C-PCB-157	95.2	10.0 - 145	
13C-PCB-167	102	10.0 - 145	
13C-PCB-169	93.6	10.0 - 145	
13C-PCB-188	94.7	10.0 - 145	
13C-PCB-189	86.1	10.0 - 145	
13C-PCB-202	91.1	10.0 - 145	
13C-PCB-205	92.1	10.0 - 145	
13C-PCB-206	92.4	10.0 - 145	
13C-PCB-208	96.0	10.0 - 145	
13C-PCB-209	94.1	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	77.6	5.00 - 145	
13C-PCB-111	85.5	10.0 - 145	
13C-PCB-178	94.1	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 11/20/2013

Reviewed By: _____
Date: 11/20/2013

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Frontier Analytical Laboratory
5172 Hillsdale Circle
El Dorado Hills, CA 95762
Tel: 916-934-0900
Fax: 916-934-0999

FAL USE ONLY

Laboratory Project No.: 8163

Temperature: 0 °C

Chain of Custody

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Please Print in Pen **Page** 2 **of** 2

CLIENT INFORMATION	**INVOICE INFORMATION** (if different from client info)	**PROJECT INFORMATION**
Company Name: Phylmar Group	Company Name: Same	FAL Quote #: 2711A
Contact Name: Mark Katchen	Contact Name:	P.O. #:
Address: 2342 Manning Ave., Los Angeles, CA 90064	Address:	Project #: 365-001A
Phone: 310-474-3937 Fax:	Phone: Fax:	Project Name: MHS/Catalina Monitoring
Email: mkatchen@phylmar.com	Email:	TAT (business days): ☐ 15 ☑ 10 ☐ 5* ☑ 3* (√ one)
		* FAL must agree with price and RUSH TAT in writing.

REPORT INFORMATION	**REPORT DISTRIBUTION** (email only is preferred)	**ADDITIONAL INSTRUCTIONS**
Report Level: ☐ I/II ☐ III ☐ IV	☐ Hardcopy	
☐ EDD: ☐ FAL Basic ☐ Geotracker ☐ Other: ____ ☐ Custom: Contact FAL	☐ CD (.pdf including EDDs if requested)	
	☑ Email (.pdf including EDDs if requested)	

☐ California State Drinking Water Form

System #: Source #:

Sampler: Employer:

	Sample ID	Date Collected	Time	Matrix	# of containers	EPA 1613**	EPA 8290**	DLM 02.0	EPA 8280**	Appendix IX	EPA TO-9/9A	EPA 23/23A	EPA 1668	FAL 15	Other	**CONGENERS: ☐ 2,3,7,8-TCDD only ☐ 2,3,7,8-TCDD/F only ☐ PCDD/F (Cl_4-Cl_8) **TEQ: ☐ 1998 WHO ☐ 2005 WHO ☐ Other	Remarks
1	SM20131106-B-8B	11/6/13		Paint	1								✓				Area = 100 cm²
2	B-9A			Bulk									✓				
3	B-9B			Paint									✓				Area = 100 cm²
4	B-10A			Bulk									✓				
5	B-10B			Paint	↓								✓				Area = 100 cm²
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Samples will be disposed of 90 days after sample receipt unless other arrangements have been made and agreed upon in writing.

Relinquished by: (Signature and Printed Name)	**Date**	**Time**	**Received by:** (Signature and Printed Name)	**Date**	**Time**
Steven Medtland	11/6/13	—	Kathy Zipp ICZIPP	11-7-13	845

Client understands that all terms described in the proposals, quotations, and/or the general terms provided in the current FAL price schedules will be followed.
FAL reserves the rights to terminate its service or withhold delivery of reports, if in FAL's sole discretion the terms of the project have been broken.

White Copy – Report Yellow Copy – Laboratory Pink Copy - Originator

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **8163**

Client:	The Phylmar Group
Client Project ID:	365-001A
Date Received:	11/07/2013
Time Received:	08:45 am
Received By:	KZ
Logged In By:	KZ
# of Samples Received:	5
Duplicates:	0
Storage Location:	F2

Method of Delivery:	Other
Tracking Number:	523149390
Shipping Container Received Intact	Yes
Custody seals(s) present?	No
Custody seals(s) intact?	No
Sample Arrival Temperature (C)	0
Cooling Method	Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	No
Test aqueous sample for residual Chlorine	No
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	Yes
pH Range of Aqueous Sample	N/A
Anomalies or additional comments:	

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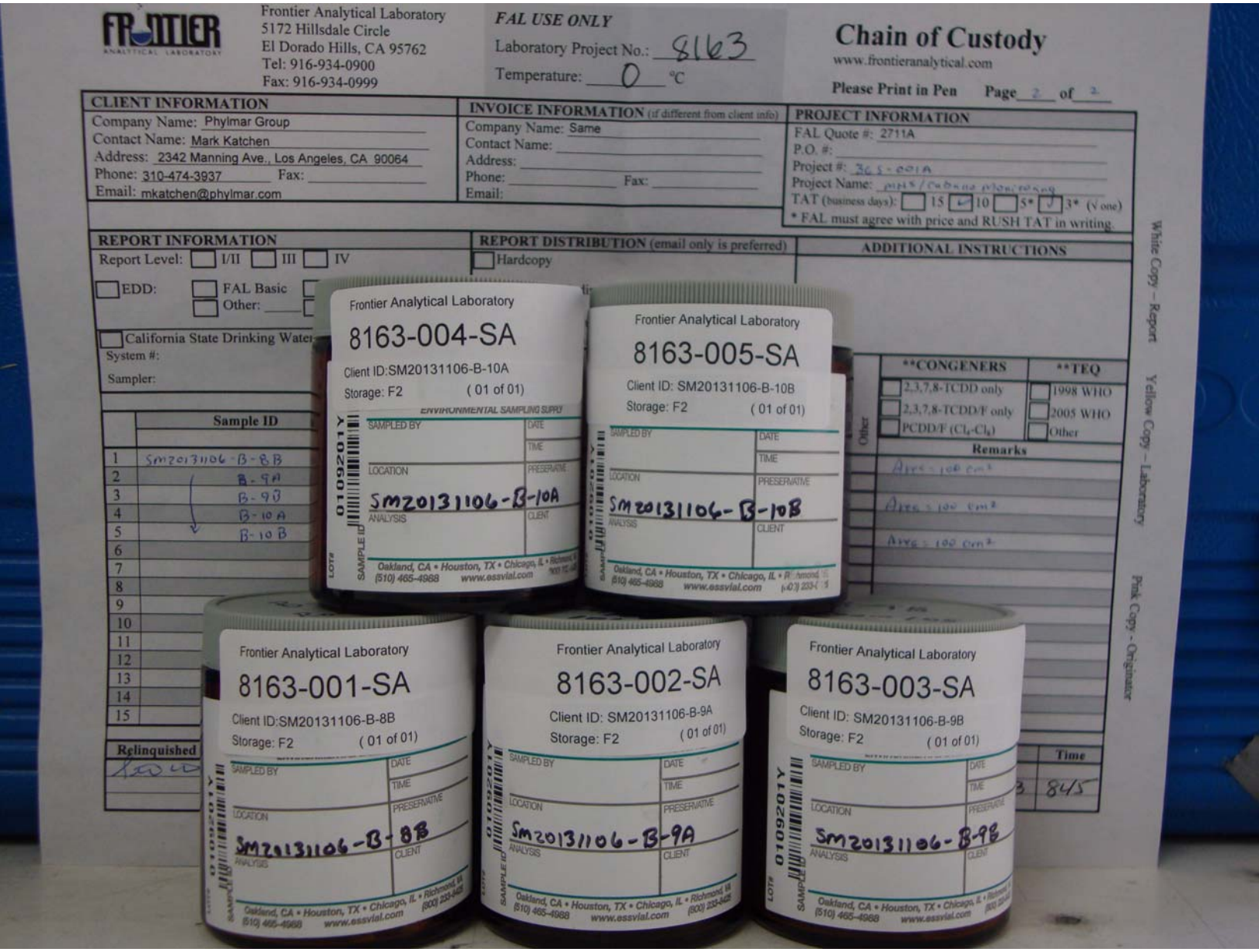
Frontier Analytical Laboratory
5172 Hillsdale Circle
El Dorado Hills, CA 95762
Tel: 916-934-0900
Fax: 916-934-0999
FAL USE ONLY
Laboratory Project No.: 8163
Temperature: 0 °C
Chain of Custody
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Page 2 of 2
CLIENT INFORMATION
Company Name: Phylmar Group
Contact Name: Mark Katchen
Address: 2342 Manning Ave., Los Angeles, CA 90064
Phone: 310-474-3937 Fax:
Email: mkatchen@phylmar.com
INVOICE INFORMATION (if different from client info)
Company Name: Same
Contact Name:
Address:
Phone: Fax:
Email:
PROJECT INFORMATION
FAL Quote #: 2711A
P.O. #:
Project #: 365-001A
Project Name: PHS/Cabrillo Monitoring
TAT (business days): 15 10 5* 3* (V one)
* FAL must agree with price and RUSH TAT in writing.
REPORT INFORMATION
Report Level: I/II III IV
EDD: FAL Basic Other:
California State Drinking Water
System #:
Sampler:
REPORT DISTRIBUTION (email only is preferred)
Hardcopy
ADDITIONAL INSTRUCTIONS
Sample ID
1 SM20131106-B-8B
2 B-9A
3 B-9B
4 B-10A
5 B-10B
**CONGENERS
2,3,7,8-TCDD only
2,3,7,8-TCDD/F only
PCDD/F (C4-C8)
**TEQ
1998 WHO
2005 WHO
Other
Remarks
Area = 100 cm2
Area = 100 cm2
Area = 100 cm2
Relinquished
Time
8:45
White Copy - Report
Yellow Copy - Laboratory
Pink Copy - Originator
Frontier Analytical Laboratory
8163-004-SA
Client ID:SM20131106-B-10A
Storage: F2 (01 of 01)
SAMPLED BY
DATE
TIME
LOCATION
PRESERVATIVE
SM20131106-B-10A
ANALYSIS
CLIENT
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Storage: F2 (01 of 01)
SM20131106-B-10B
Frontier Analytical Laboratory
8163-001-SA
Client ID:SM20131106-B-8B
Storage: F2 (01 of 01)
SM20131106-B-8B
Frontier Analytical Laboratory
8163-002-SA
Client ID: SM20131106-B-9A
Storage: F2 (01 of 01)
SM20131106-B-9A
Frontier Analytical Laboratory
8163-003-SA
Client ID: SM20131106-B-9B
Storage: F2 (01 of 01)
SM20131106-B-9B