December 12, 2011
SES-LTM/O-11-0933
4.0 / Deliverables

Mr. Aaron Vernik
Naval Facilities Engineering Command Northwest
1101 Tautog Circle, Suite 203
Silverdale, WA 98315-1101

SUBJECT: FINAL TECHNICAL MEMORANDUM, EVALUATION OF ADAK ISLAND BLUE MUSSEL AND ROCK SOLE TISSUE, 2011 MARINE MONITORING, FORMER NAVAL FACILITY, TASK ORDER 32, ADAK, ALASKA

Ref: Contract N44255-09-D-4005, Long Term Monitoring/Operations Contract

Dear Mr. Vernik:

In accordance with the Navy's statement of work (SOW) dated January 9, 2007, this technical memorandum (letter report) provides an evaluation of polychlorinated biphenyl (PCB) concentrations in rock sole (*Lepidopsetta bilineata*) and blue mussel (*Mytilus edulis*) specimens collected from Sweeper Cove and Kuluk Bay at Adak Island, Alaska (Figure 1) in 2011 and concentrations found during previous biological sampling efforts performed from 1996 through 2009. The report summarizes the field sampling program conducted in June 2011 to obtain the required biological samples, including the procedures used to collect and process samples and the methodologies used to analyze those samples. This biological sampling task and report have been performed by Sealaska Environmental Services (SES) and the URS Group (URS) (under contract to SES) as part of Task Order 32 Long-Term Marine Monitoring, Adak, Alaska, under Navy Long-Term Monitoring/Operations (LTM/O) Contract N44255-09-D-4005.

The primary conclusions drawn from the evaluation of the tissue data collected from 1999 through 2011 are that (1) mean total PCB concentrations in rock sole from Sweeper Cove and Kuluk Bay increased between 2009 and 2011 after a decrease between 2007 and 2009, (2) the mean total PCB concentration in rock sole from Sweeper Cove and Kuluk Bay are both above the risk-based action level (RBAL) of 6.5 µg/kg, (3) the mean total PCB concentrations in blue mussels from Sweeper Cove and Kuluk Bay increased between 2009 and 2011, (4) the mean total PCB concentration in blue mussels collected in 2011 from Sweeper Cove remained above

the RBAL of 31 µg/kg and was affected by localized areas of relatively higher concentrations, and (5) mean total PCB concentration in blue mussels collected in 2011 from Kuluk Bay remained below the RBAL.

SES and URS recommend that the Navy maintain current fish consumption advisories (fish here is taken to mean both fish and shellfish). Current fishing advisories are in place for rock sole and blue mussel from Sweeper Cove and rock sole from Kuluk Bay. The status of the consumption advisory should be assessed after sampling results from the planned 2013 sampling event are evaluated. SES and URS also recommend the continuation of blue mussel and rock sole monitoring in 2013 at the same locations in Sweeper Cove and Kuluk Bay. This recommendation is based on the assessment of the data collected through 2011. The requirement for future marine tissue monitoring should be evaluated after the 2013 sampling event.

Objective

The objective of the marine fish and shellfish monitoring program at Adak is to determine temporal trends in the PCB concentrations in fish and shellfish from Adak that may be consumed by humans and whether institutional controls (i.e., fish consumption advisories) on fish and shellfish from Kuluk Bay and Sweeper Cove can be removed.

In 2003, the 5-year marine sampling program required by the Record of Decision (ROD) was completed for Operable Unit A (OU A) of the former Adak Naval Complex. Those 5 years of data established the baseline that was evaluated for temporal trends. The 2003 technical memorandum for marine monitoring recommended continued sampling for rock sole and blue mussel from Sweeper Cove and Kuluk Bay at a frequency of every other year (2005, 2007, and 2009) through the next 5-year review period to evaluate the changes in total PCB concentrations. Because PCB concentrations were not below levels of concern, the 2009 technical memorandum recommended continued sampling for rock sole and blue mussel from Sweeper Cove and Kuluk Bay in 2011 and 2013.

Description of the Marine Biomonitoring Program for Adak

As part of the ROD for OU A, remedial action criteria were established for total PCB concentrations in marine fish and shellfish. The RBAL PCB concentrations are 6.5 µg/kg for marine fish and 31 µg/kg for marine shellfish. Rock sole and blue mussels were selected for evaluation as the key species for fish and shellfish, respectively, because they are readily available sources of seafood (mussels) and indicator resident fish (rock sole) at Adak.

PCB concentrations in fish or shellfish above the RBAL have a potential to pose unacceptable human health risks to subsistence consumers under the subsistence exposure scenario outlined

in the ROD. Within the ROD, unacceptable carcinogenic risks are defined as risks greater than 1.0×10^{-5}, based on Alaska State regulations. Both marine fish species and blue mussels from Sweeper Cove and marine fish from Kuluk Bay contained total PCB concentrations in excess of the RBALs at the time the ROD was signed. Because of these exceedances, a consumption advisory on fish and shellfish from Sweeper Cove and Kuluk Bay has been in place for several years. Adak residents receive fact sheets periodically regarding the fish consumption advisory for Sweeper Cove and Kuluk Bay.

In 2004, the advisory for the consumption of blue mussels from Kuluk Bay was removed because the mean total PCB concentrations in blue mussels from Kuluk Bay for 1999 through 2003 were consistently below the RBAL. The mean concentration level was above the RBAL in 2005. However, the project team (Alaska Department of Environmental Conservation [ADEC], U.S. Environmental Protection Agency [EPA], and the Navy) agreed not to reinstate the consumption advisory for blue mussels in Kuluk Bay, at least until the 2007 sampling was complete and the data trends could be analyzed. After the 2007 sampling results were evaluated, the advisory for mussels in Kuluk Bay was not reinstated for the following primary reasons:

- No strong trend was suggested by the data.
- Collecting shellfish from locations 1 and 2 in Kuluk Bay is much more difficult than it is at other on-island sources because of wave conditions and steep rocky slopes with slippery surfaces.
- The mean total PCB concentrations were below the RBAL for seven of the last eight sampling events (1996 through 2007).

In conjunction with regulatory agencies, the Navy developed a Comprehensive Monitoring Plan (CMP) published in 2001 (Revision 4 in 2010), which included the Sampling and Analysis Plan (SAP) for the monitoring of fish and shellfish in Appendix C. The marine monitoring program is designed to document the effectiveness of remedial actions on Adak and to make a determination of whether the fish consumption advisories need to remain in place. This technical memorandum evaluates the total PCB concentrations in rock sole and blue mussel tissue collected in 1999, 2000, 2001, 2002, 2003, 2005, 2007, 2009 and 2011 from Sweeper Cove and Kuluk Bay. In 1999, remedial actions were completed to control known sources of PCBs affecting Sweeper Cove and Kuluk Bay.

According to the CMP (or project-specific sampling plan prior to 2001), background samples were collected from the Bay of Islands in 2000 and 2003 (rock sole) and annually from 1999 through 2003 (blue mussel). No sample was collected from the Bay of Islands (the reference area) after the background values were established in 2003 as part of the 5-year baseline study.

These background values from the first five years of the Adak marine monitoring were documented in the 2003 technical memorandum.

Fish Consumption Advisory Description and Risk-Based Action Level Derivation

The calculation of the RBALs for Adak fish (6.5 µg/kg PCB) and shellfish (31 µg/kg PCB) was documented in section 6.1 of the OU A ROD prepared in 1999 and is summarized here. The Adak fish consumption advisory presented in the ROD is expressed in terms of the maximum allowable PCB concentration in fish and shellfish (i.e., the RBAL).

The fish consumption advisory describes the maximum amount of fish that can be consumed without posing an unacceptable risk to humans. Unacceptable risk for carcinogenic chemicals, a group that includes PCBs, is defined as a lifetime 1×10^{-5} (1 in 100,000) excess cancer risk. This maximum excess lifetime cancer risk is defined in Alaska State regulations. Once the maximum acceptable risk has been identified, the amount of fish consumed and the concentration of chemicals the fish contains determine whether the risk to an individual exceeds the maximum acceptable risk.

An exposure scenario, in the context of the Adak fish consumption advisory, defines how people obtain and consume fish and shellfish from Sweeper Cove and Kuluk Bay. The exposure scenario describes how often people consume fish, how much fish is consumed, the portion of a lifetime an individual consumes fish, where the fish are obtained, and how much of the total fish consumed comes from Sweeper Cove and Kuluk Bay. To estimate the maximum permissible concentration of PCBs in fish tissue (i.e., the RBAL), the exposure scenario is combined with the maximum allowable risk level and information on the potential of PCBs to cause cancer. The equation below illustrates how the RBAL for Adak was calculated.

$$RBAL = \frac{(TCR \times BW \times AT_C)}{(CSF_O \times IR \times FI \times EF \times ED \times UCF)}$$

Where: RBAL = PCB risk-based action level (6.5 or 31 µg/kg wet weight)
TCR = target cancer risk (1×10^{-5}, unitless)
BW = body weight (70 kg)
AT_C = carcinogenic averaging time (25,550 days = 70 years)
CSF_O = oral cancer slope factor for PCB (2 $[\text{mg/kg-day}]^{-1}$)
IR = ingestion rate (126,000 mg/day for fish, 26,000 mg/day for shellfish)
FI = fraction ingested from source area (1.0, unitless)
EF = exposure frequency (365 days/year)
ED = exposure duration (30 years)
UCF = unit conversion factor (10^{-9} kg/µg)

The basis of the input used in the above equation and specific information regarding the human health risk assessment is presented in Section 6 of the OU A ROD.

2011 Sample Collection and Analysis

During week of June 13, 2011, the sampling team collected five rock sole composite samples from Kuluk Bay and five rock sole composite samples (and one field duplicate sample) from Sweeper Cove. Figure 2 shows the trawl lines where rock sole were collected in Kuluk Bay and Sweeper Cove. Table A-1 (located at the end of this memorandum) lists the starting and ending points of each of the trawl lines in the two embayments where rock sole were collected.

Multiple trawls were completed in both embayments until an adequate number of individual fish were caught for the required number of composite samples. During trawling, the sampling crew used a 7.4-meter otter trawl net that was dragged along the sea floor, because rock sole are bottom fish. Rock sole were collected during two trawls in Kuluk Bay, as shown in Figure 2. Rock sole were collected during four trawls in Sweeper Cove.

Each composite sample consisted of five individual fish that were from more than one trawl line. Therefore, there is no direct correlation between a specific trawl line in Figure 2 and a specific rock sole composite sample. Because fish are mobile, composite samples represent the rock sole in the entire embayments from where the samples were collected and not specific areas within the embayments. Individual fish sampled for analyses ranged in age from approximately 4 to 7 years, based on lengths ranging from 30.0 to 38.0 cm, which is similar to the range of lengths of rock sole collected for analyses in previous years. SES chartered the fishing vessel *Larisa M* (Figure 3) with a captain and crew to perform the trawling. Rock sole samples were collected and processed as fillets for analysis according to the SAP and the Quality Assurance Project Plan (QAPP) presented as Appendix C of the CMP, Revision 4.

Blue mussel composite samples were collected during the week of June 13, 2011 during low tide from Sweeper Cove and Kuluk Bay shorelines. One sample each was collected from sampling locations SW-25, SW-26/27 (composite sample from two locations), SW-28, SW-102, and SW-31 in Sweeper Cove as shown on Figure 2. One duplicate sample was also collected from location SW-102. One sample each was collected from sampling locations KB-01, KBALT-02, KBALT-03, KB-04, and KB-05 in Kuluk Bay. Each sampling location was previously sampled in 1999, 2000, 2001 and 2002, except for location SW-102, which was sampled for the first time in 2003, location KBALT-02, which was sampled for the first time in 2009, and KBALT-03, which was sampled for the first time in 2011 as an alternate location for KB-03 for reasons explained in the following paragraph. Table A-2 identifies the samples (see column “Company Sample ID”) collected from 1999 through 2011 and the associated sampling locations from where they were collected.

Each composite mussel sample consisted of between 15 and 23 blue mussels. Individual blue mussels collected for analyses were approximately 2 to 5 years old, based on shell lengths ranging from approximately 3.52 to 7.39 cm, which is similar to the range of shell lengths of blue mussels collected for analyses in previous years. Samples were collected by hand and processed for analysis according to the SAP. A Garmin Global Positioning System (GPS) unit was used to locate the sampling positions based on previously recorded GPS coordinates. The sampling locations that differed from GPS coordinates provided in the SAP included KBALT-03 half way between the eastern end of the runway and the north end of Metals Landfill, and KB-05 located on the northwestern shoreline of Kuluk Bay. The shoreline near KB-03 was slippery with large boulders and was not safe to collect mussels. To safely gather mussels for analyses at the nearest accessible location, the samples were collected at an alternate location (KBALT-03) approximately 200 feet farther north along the shoreline from location KB-03. The GPS coordinates for KB-05 in the SAP appeared to be slightly too far into the water. New coordinates were identified for KB-05. The sampling deviation forms for changes in sampling location coordinates, included on the attached CD-ROM, document the changes in planned sampling location.

All rock sole and blue mussel samples were analyzed using EPA Method 1668A for 209 PCB congeners (defined in the next paragraph), American Society of Testing and Materials (ASTM) method 2216-90 for moisture content, and EPA Method 8290 for lipids. TestAmerica in West Sacramento, California analyzed the samples.

PCBs are a group of 209 individual chemical compounds. Each of the 209 different PCB compounds is termed a congener and, thus, there are 209 PCB congeners. The total number and position of chlorine atoms in the PCB molecule defines a specific PCB congener. PCB congeners contain between 1 and 10 chlorine atoms. Chlorine atoms can be attached to any combination of the 10 available binding locations on the biphenyl molecule that is the base of all PCB congeners. The resulting 209 possible combinations of numbers of chlorines and their binding locations on a biphenyl molecule account for the 209 congeners. Each of the 209 PCB congeners has its own unique physical, chemical, and toxicological properties.

Data quality objectives specified in the QAPP were reviewed. TestAmerica provided final analytical results approximately 75 days after they received the samples. Because all planned samples were collected and analyzed, 100 percent completeness was achieved, exceeding the project objective of 95 percent completeness. Precision was calculated as a relative percent difference (RPD) based on a duplicate mussel sample from sampling location SW-102 in Sweeper Cove. RPDs were between 0 and 82 percent for all detected compounds. This is outside the objective of ±50 RPD. Samples were not qualified due to field duplicate precision. However, this information can be used to evaluate the overall consistency of the site matrices

and field procedures. Results of the data validation performed by Laboratory Data Consultants showed that 100 percent of the data was usable. The attached CD-ROM also contains a copy of the data validation report.

In 2010 and 2011, significant dredging occurred in the small boat harbor and in the entrance to the small boat harbor. It is suspected the observation of increased PCBs in marine tissue in both Sweeper Cove and Kuluk Bay in 2011 was due to these dredging activities entraining contaminated sediment particles into the water column which were then ingested by the fish. A similar increase in PCBs in marine tissue was observed after small boat harbor dredging activities occurred prior to the 2005 sampling event

Statistical Assessment of Analytical Data

Statistical analysis and data graphing were performed using MS Excel. Ordinary least squares (OLS) linear regression was used to estimate temporal trends for the arithmetic average (mean) total PCB concentrations representing each embayment. The population means for each embayment (sampling area) and historical sampling event (including 2011) were estimated as the mean of the associated sample data. The regression lines were generated from the graphed means using Excel and checked by making independent regression calculations from the data used to generate the graphs. The graphs of the means also show the maximum and minimum concentrations measured in the associated samples. Results are presented in Figures 4a, 4b, 5a, and 5b, which are explained in more detail under the sections that discuss the analytical results.

The ninety-five percent upper confidence level (95%UCL) was calculated for each mean using the one-sample t-test, assuming a normally distributed sample population. The 95%UCLs were graphed along with the means for the period of record, including 2011. Where the 95%UCL exceeded the RBAL, the critical p-value exceeds 0.05, and it may be concluded that the population mean exceeds the RBAL, which is the null hypothesis (H_o). The 95%UCLs are graphed in Figures 4a, 4b, 5a and 5b and provided in Tables 1 and 2.

In a similar manner, the critical p-value for rejecting H_o and accepting the alternative hypothesis (H_a) that the population mean is *below* the RBAL was calculated for each case where the RBAL exceeded the sample average. The p-value calculations, like the 95%UCL estimates, used a t-distribution as the sampling distribution. The t-distribution is a normal distribution with uncertain (population) mean and standard deviation, which is the case for the sampled populations in this study. Note that only cases where the 95%UCL is less than the RBAL result in a value of $p<0.05$, which is the statistical criterion for rejecting H_o. An explicit p-value was not calculated for cases where the sample mean exceeded the RBAL because these

cases result in a value of p>0.50. The calculated p-values are included in the file titled "Statistical Calculation Backup, N LN 95UCL 2011.xlsx" on the attached CD.

To evaluate the 2011 population distribution for the purpose of estimating the sampling distribution for each embayment and receptor, the associated sample population data were analyzed as a probability plot (ranked sample concentration or log sample concentrations vs. normal standard variate). The graphed data were fitted with best-fit OLS linear (normal) and log-linear (lognormal) regression lines. The quality of fit to a normal (linear) and lognormal (log-linear) distribution, including consideration of R^2 values, was then evaluated. An R^2 equal to or greater than 0.90 without extreme outliers was considered a "good fit." The population distribution probability plots are included in the file titled "Statistical Calculation Backup, N LN 95UCL 2011.xlsx" on the attached CD.

With one exception, the quality of fit of the sample data to a normal distribution was considered adequate for the purpose of estimating the 95%UCL on the population mean, including p-values, assuming a normal (t-distribution) sampling distribution. The exception is Sweeper Cove blue mussel tissue data, where the mean was dominated by an extreme outlier. However, in this case, the mean exceeded the RBAL, so that p>0.50 regardless of the assumed sampling distribution, and estimating a 95%UCL is of no practical importance because there is no chance of rejecting H_o on a statistical basis. Theoretically, while a normally distributed population has a normally distributed sampling distribution for the population mean for any sample size N, with increasing N, the sampling distribution for the mean of virtually any environmental-contaminant population distribution, "near-normal" or not, will increasingly approach a normal distribution.

In particular for this study, the sample sizes are too small (N = 4 to 6) to justify rejecting a H_o of normality for the sampling distribution and adopting any other parametric sampling distribution, particularly one for a small-N lognormal distribution. The theoretical statistics associated with the sampling distribution for the mean of a lognormal distribution is known to result in unrealistically high estimates of upper confidence levels on the mean when sample sizes N are as small as in this study (i.e., N = 4 to 6). A bootstrapping technique could be used to make estimates, if needed, of the sampling distribution for a sample dominated by an outlier, where the sample population data do not "adequately fit" a normal distribution as justification for assuming a normal (t-distribution) for the sampling distribution for the population mean. However, as stated, only the blue mussel data collected from Sweeper Cove, where the sample mean exceeded the RBAL, did not adequately fit a normal distribution.

Analytical Method Considerations

It should be noted that the number of congeners analyzed for a given sampling round varied. However, the total PCB concentrations were comparable. Approximately 60 congeners were included in the analyses of the samples collected in 1999 and 2000, approximately 90 congeners were included in the analyses of the samples collected in 2001 and 2002 (several congeners coeluted), and 209 congeners were included in the analyses of the samples collected in 2003, 2005, 2007, 2009 and 2011. A laboratory analysis may have reported one concentration for two or more congeners. For example, PCB-3 and PCB-30 were combined as PCB-3/30 in one test with one value during the 1999 analyses, because these two congeners coeluted, or were not distinguishable during testing with the laboratory instruments. When PCB congeners coelute, the congeners produce a similar peak on a chromatogram, which cannot be differentiated. Therefore, the number of single tests for a sample, which can include coeluting congeners, may differ from the number of congeners for which the sampled was tested. Coeluting congeners are considered as one analyte for reporting purposes. The number of analytes tested for in each sample collected from 1999 through 2011 is presented in Table A-3.

The number of congeners reported varied, because the five laboratories that analyzed the marine tissue used different analytical methods. The University of Utah laboratory analyzed the 1999 and 2000 samples using EPA Method 8082/1668A Modified; Axys Analytical Services analyzed the 2001 and 2002 samples using EPA Method 8082/1668A Modified; Alta Analytical Laboratory analyzed the 2003 and 2005 samples using EPA Method 1668A; Vista Analytical Laboratories analyzed the 2007 samples using EPA Method 1668A; and TestAmerica Laboratories analyzed the 2009 and 2011 samples using EPA Method 1668A. The analytical methods used from 1999 through 2002 could not reliably quantify congeners that have very low concentrations that are typically measured in the parts per trillion range. The 2003, 2005, 2007, 2009 and 2011 samples were analyzed using Method 1668A, which is capable of analyzing all of the 209 PCB congeners. Total PCBs were calculated for each of the sampling events by summing the detected concentrations of the individual congeners. Laboratory reports (Form 1s) for the 2011 data are included on the attached CD-ROM.

Because the earlier total PCB concentrations were based on fewer congeners, one would expect the total PCB concentrations to be comparatively lower than if 209 congeners were included in the analyses. The 2003 technical memorandum for marine monitoring reported that the approximately 60 congeners tested for in 1999 and 2000 accounted for a minimum of the 84 percent total PCB concentration in samples that included testing for 209 congeners. In other words, the 1999 and 2000 results may be biased low by a maximum of 16 percent.

The reporting limits for nondetected values were approximately 0.1 µg/kg in 1999 and 2000; 0.0057 to 0.88 µg/kg in 2001; 0.0039 to 0.19 µg/kg in 2002; 0.0023 to 0.0128 µg/kg in 2003; 0.000166 to 0.00928 µg/kg in 2005; 0.0000971 to 0.00723 µg/kg in 2007; 0.0000019 to 0.00027 µg/kg in 2009, and 0.00000099 to 0.0004 µg/kg in 2011. These detection limits are sufficient to detect total PCB concentrations in excess of the RBAL. The 1999 through 2002 reporting limits are approximately 50 to 1,000 times lower than the mean total PCB concentrations detected in Sweeper Cove and Kuluk Bay. The 2003, 2005, 2007, 2009 and 2011 reporting limits are three to seven orders of magnitude below the mean total PCB concentrations detected in Sweeper Cove and Kuluk Bay. If one-half of the detection limits for each nondetected congener were included in the calculation of the total PCB concentrations, there would be a minimal effect. There would be either a similar increase in total PCB concentrations in each sample (from the addition of one-half of the detection limits), or no substantial difference in the resulting total PCB concentration.

Rock Sole Analytical Results

Summary statistics for total PCBs (wet weight) in rock sole tissue collected from 1996 through 2011 in Sweeper Cove and Kuluk Bay are presented in Table 1. Total PCB concentrations statistics in rock sole tissue collected in 2000 and 2003 from the Bay of Islands are also included. All analytical results used for this technical memorandum are included in electronic format on the attached CD-ROM. Because fish included in the various samples were collected at different locations along multiple trawl lines in both Sweeper Cove and Kuluk Bay, the sample coordinates reported in the electronic spreadsheet on the attached CD-ROM are the centroid of the start and end points of the trawl lines in each area. Table A-3 summarizes the total PCB concentrations in individual rock sole samples collected in Sweeper Cove, Kuluk Bay, and Bay of Islands from 1999 through 2011.

Because rock sole do not remain at a specific location during their life, the PCB concentrations measured in rock sole are reflective of a larger area such as Sweeper Cove or Kuluk Bay, and not of a point location from where the fish were caught. Therefore, temporal trends of PCB concentrations in rock sole in Sweeper Cove and Kuluk Bay were evaluated using regression analysis as described in the following section.

Table 1

Summary Statistics for Total PCBs in Rock Sole

Embayment	Year Sampled	Number of Composite Samples	Minimum Concentration (µg/kg)	Maximum Concentration (µg/kg)	Mean Concentration (µg/kg)	Standard Error	95%UCL (t-distribution)
Sweeper Cove	1996	5	Not Detected	**341**	**186**	-	-
	1999	1[b]	**52.9**	**52.9**	**52.9**	NA	NA
	2000	2	**31.1**	**81.4**	**56.2**	25	NA
	2001	2	**44.6**	**79.4**	**62.0**	17	NA
	2002	2	**55.5**	**120**	**87.5**	32	NA
	2003	6	**73.4**	**132**	**96.0**	9.4	115
	2005	6	**13.1**	**25.9**	**19.5**	2.1	24
	2007	5	**11.5**	**127**	**59.1**	20	101
	2009	6	**33.5**	**60.9**	**44.5**	4.0	52
	2011	6	**29.4**	**138**	**69.9**	15	100
Kuluk Bay	1996	5	**14.0**	**60.0**	**32.4**	-	-
	1999	1[b]	**10.6**	**10.6**	**10.6**	NA	NA
	2000	3	2.52	**9.21**	5.01	2.1	NA
	2001	2	0.93	**14.6**	**7.75**	6.8	NA
	2002	2	1.48	**8.41**	4.94	3.5	NA
	2003	5	**8.88**	**21.0**	**13.5**	2.3	18
	2005	5	4.88	**11.0**	**7.69**	1.3	10
	2007	5	4.59	**17.5**	**12.1**	2.9	18
	2009	5	2.53	**12.8**	6.40	1.8	10
	2011	5	2.51	**35.3**	**12.9**	6.0	26
Bay of Islands	1999	-	-	-	-	-	-
	2000	2	1.05	1.14	1.10	0.045	1.4
	2001	-	-	-	-	-	-
	2002	-	-	-	-	-	-
	2003	5	0.279	0.352	0.320	0.013	0.35
	2005	-	-	-	-	-	-
	2007	-	-	-	-	-	-
	2009	-	-	-	-	-	-
	2011	-	-	-	-	-	-

[a] 95% upper confidence limit (95%UCL) was not considered valid when the number of samples was three or less.
[b] Sample consisted of a single rock sole and is, therefore, not a composite sample.

Notes:
All concentrations are based on wet weight.
Adak risk-based action level for rock sole is 6.5 microgram per kilogram (µg/kg) wet weight.
Bold indicates value exceeded risk-based action level.
"Not Detected" means that none of the Aroclors tested for in 1996 were detected in the sample with the minimum concentration.
The 2007 total PCB concentrations were recalculated, resulting in a slightly different mean concentration that was previously reported for rock sole.
UCL = Upper confidence level

Mean total PCB concentrations of rock sole data from Sweeper Cove ranged from 19.5 µg/kg in 2005 to 186 µg/kg in 1996 (Table 1). For each sampling event, the mean concentration is above the RBAL of 6.5 µg/kg. PCB tissue concentrations in rock sole collected from Sweeper Cove

for the period 1999 through 2011 were normally distributed and were plotted for best fit regression and trendline analysis. Figure 4a shows a trendline of PCB concentrations in rock sole tissues from Sweeper Cove that displays a decreasing trend over time, though this decrease was not determined to be statistically significant ($p>0.05$, or $R^2<0.324$ when the number of samples is nine). Figure 4a also shows the mean total PCB concentration for each sampling year in the biomonitoring program, the 95%UCL, and the range of the total PCB concentrations associated with each mean value. Note that the 95%UCL is not shown if there are three or fewer samples.

Mean total PCB concentrations of rock sole data from Kuluk Bay ranged from 4.94 µg/kg in 2002 to 32.4 µg/kg in 1996 (Table 1). The mean concentration for each year has not consistently increased or decreased over time, but has fluctuated. The mean total PCB concentration of the samples collected from 1996 through 2011, with the exception of samples collected in 2000, 2002 and 2009 was above the RBAL of 6.5 µg/kg. PCB tissue concentrations in rock sole collected from Kuluk Bay from 1999 through 2011 were normally distributed and were plotted for best fit regression and trendline analysis. The mean concentration was above the RBAL for 2011. Figure 4b shows a trendline that displays a very slightly increasing trend in PCB concentrations in rock sole tissues over time. This trend was determined to be not statistically significant ($p>0.05$). Figure 4b also shows the mean total PCB concentration for each sampling year in the biomonitoring program, the 95%UCL, and the range of the total PCB concentrations associated with each mean value. The range of total PCB concentrations was the highest in 2011 compared to the previous eight sampling events. One sample containing 35.3 µg/kg total PCBs was the highest recorded total PCB concentration found in a rock sole sample from Sweeper Cove since the ongoing marine monitoring began in 1999.

Rock sole was sampled in 2000 and 2003 at the reference area, Bay of Islands. Mean total PCB concentrations of rock sole data from Bay of Islands were 1.10 µg/kg in 2000 and 0.32 µg/kg in 2003 (Table 1). There is a decrease in concentrations from 2000 to 2003. The mean and maximum total PCB concentrations for both years are below the RBAL of 6.5 µg/kg. With only 2 years of data, a trend could not be determined.

Statistical Comparison of 2011 PCB Concentrations in Rock Sole Against the RBAL

Rock sole tissue sample concentrations collected in 2011 from Sweeper Cove were normally distributed and statistically compared to the marine finfish RBAL of 6.5 µg/kg. Comparison was made using a One Sample t-Test. The mean concentration of PCBs (69.9 µg/kg) in rock sole from Sweeper Cove was significantly ($p>0.50$) above the RBAL.

Rock sole tissue sample concentrations collected in 2011 from Kuluk Bay were normally distributed and statistically compared to the marine finfish RBAL of 6.5 µg/kg. Comparison was made using a One Sample t-Test. The mean concentration of PCBs (12.9 µg/kg) in rock sole from Kuluk Bay was significantly ($p>0.50$) above the RBAL.

Blue Mussel Analytical Results

Total PCBs (wet weight) in blue mussel tissue collected from 1996 through 2011 in Sweeper Cove, Kuluk Bay, and Bay of Islands are summarized in Table 2. All analytical results are presented in the attached CD-ROM. Table A-3 summarizes the total PCB concentrations in individual blue mussel samples collected in Sweeper Cove, Kuluk Bay, and Bay of Islands from 1999 through 2011.

Mean total PCB concentrations in blue mussel tissue from Sweeper Cove ranged from 24.4 µg/kg in 2001 to 133 µg/kg in 2005 (Table 2). The mean total PCB concentrations detected in 1996, 1999, 2000, 2003, 2005, 2007, 2009 and 2011 were above the RBAL of 31 µg/kg. The mean total PCB concentrations in 2001 and 2002 were below the RBAL. PCB tissue concentrations in blue mussels collected from Sweeper Cove for the period 1999 through 2011 were plotted for best fit regression and trendline analysis. As shown in Figure 5a, trends in PCB concentrations in blue mussel tissues displayed an increase over time, though this increase was not determined to be statistically significant ($p>0.05$). Figure 5a also shows the mean total PCB concentration for each sampling year in the biomonitoring program, the 95%UCL, and the range of the total PCB concentrations associated with each mean value.

The sample collected from location SW-28 in 2011 had a total PCB concentration of 178 µg/kg. This concentration is at least five times higher than concentrations from samples collected in 2011 from other locations in Sweeper Cove. The 2011 concentration from the sample SW-28 increased over the 2007 and 2009 values, but remains lower than the 2005 concentration (483 µg/kg) at this sampling location.

There is at least one possible explanation for the higher concentrations at location SW-28. In 2010 and 2011, significant dredging was performed within the small boat harbor. The higher PCB concentrations observed in fish tissue during the 2011 monitoring event is likely due to resident rock sole and shoreline mussels ingesting PCB contaminated sediment particles which were entrained into the water column during these dredging activities.

Mean total PCB concentrations in blue mussel tissue from Kuluk Bay ranged from 4.07 µg/kg in 1999 to 32.0 µg/kg in 2005 (Table 2). Mean total PCB concentrations for each year, with the exception of 2005, are below the RBAL of 31 µg/kg. PCB tissue concentrations in blue mussel

Table 2
Summary Statistics for Total PCBs in Blue Mussels

Embayment	Year Sampled	Number of Composite Samples	Minimum Concentration (µg/kg)	Maximum Concentration (µg/kg)	Mean Concentration (µg/kg)	Standard Error	95%UCL (t-distribution)
Sweeper Cove	1996	6	26.9	**39.6**	**34.3**	-	-
	1999	8	9.66	**97**	**43.5**	12	65
	2000	7	5.22	**345**	**60.9**	47	153
	2001	7	7.19	**57.7**	24.4	6.3	37
	2002	7	5.50	**98.0**	25.7	12	50
	2003	5	15.2	**45.5**	**33.3**	6.0	46
	2005	5	22.5	**483**	**133**	88	320
	2007	5	15.7	**138**	**47.9**	23	96
	2009	5	9.59	**144**	**42.5**	26	97
	2011	5	10.1	**178**	**54.1**	31	120
Kuluk Bay	1996	11	Not detected	**36.0**	16.5	-	
	1999	9	0.553	14.1	4.07	1.5	6.8
	2000	9	0.407	12.1	4.31	1.5	7.1
	2001	9	0.990	**50.7**	16.5	6.2	28
	2002	9	1.27	30.4	8.10	3.2	14
	2003	5	3.72	21.0	12.4	3.2	19
	2005	5	10.9	**60.3**	**32.0**	11	55
	2007	5	6.7	28.6	15.0	4.8	25
	2009	5	5.62	**37.8**	18.1	5.9	31
	2011	5	7.87	**34.5**	18.3	5.2	29
Bay of Islands	1999	4	0.072	0.434	0.269	0.076	0.45
	2000	4	0.091	1.98	0.594	0.46	1.68
	2001	3	0.01	0.040	0.0240	0.0087	0.05
	2002	4	0.0187	0.0584	0.0350	0.0091	0.06
	2003	5	0.108	0.268	0.183	0.028	0.24
	2005	-	-	-	-	-	-
	2007	-	-	-	-	-	-
	2009	-	-	-	-	-	-
	2011	-	-	-	-	-	-

Notes:
All concentrations are based on wet weight.
Adak risk-based action level for blue mussels is 31 micrograms per kilogram (µg/kg) wet weight.
Bold indicates value exceeded risk-based action level.
"Not Detected" means that none of the Aroclors tested for in 1996 were detected in the sample with the minimum concentration.
UCL = Upper confidence level

collected from Kuluk Bay for the period 1999 through 2011 were plotted for best fit regression and trendline analysis. The trendline in Figure 5b displays an increase in PCB concentrations in blue mussel tissues over time. The increase was computed to be statistically significant over the p = 0.05 level (p~0.054). Figure 5b also shows the mean total PCB concentration for each sampling year in the biomonitoring program, the 95%UCL, and the range of the total PCB concentrations associated with each mean value. The figure also shows the trendline for the data.

Mean total PCB concentrations of blue mussel data from the Bay of Islands ranged from 0.024 µg/kg in 2001 to 0.594 µg/kg in 2000 (Table 2). Mean, 95%UCL, and maximum total PCB concentrations for each year are below the RBAL of 31 µg/kg.

Statistical Comparison of 2011 PCB Concentrations in Blue Mussel to the RBAL

Blue mussel tissue sample concentrations from Sweeper Cove did not reflect a normal distribution. While transformation to a lognormal distribution resulted in a normalized distribution, the mean PCB concentration (54.1 µg/kg) exceeded the RBAL so that $p>0.50$ for any distribution.

Blue mussel tissue sample concentrations from Kuluk Bay were normally distributed and statistically compared to the marine shellfish RBAL of 31 µg/kg. Comparison was made using a One Sample t-Test. The mean concentration of PCBs (18.3 µg/kg) in blue mussels from Kuluk Bay was significantly lower ($p<0.05$) than the RBAL in 2011.

Evaluation of PCB Concentrations in Blue Mussels at Selected Locations Over Time

Temporal trends of PCB concentrations in blue mussels from point locations (i.e., selected sampling locations) can be evaluated, because they live nearly their entire life at one location and are exposed to PCBs only at that location.

Total mean PCB concentrations in mussel samples collected in 1999 through 2011 from sampling locations SW-25, SW-26, SW-27, SW-28, SW-31 and SW-102 in Sweeper Cove and from sampling locations KB-01, KB-02 (and KBALT-02), KB-03 (and KBALT-03), KB-04, and KB-05 in Kuluk Bay were plotted and are presented on Figures 6 and 7, respectively. The graphs for each location provide a trendline with its linear equation and R^2 value. Not all locations were sampled during each of the eight sampling events.

The trendline for each location in Sweeper Cove (Figure 6) shows that total PCB concentrations in blue mussels have been generally increasing when considering results since 1999, except at location SW-102. The total PCB concentrations at each location have increased at all locations since the previous sampling event in 2007. Location SW-28 consistently had the highest concentrations. Although the total 2011 PCB concentration increased since 2009, it remained below the 2005 value at this location.

There are three known significant events that potentially impacted nearby blue mussel populations in Sweeper Cove. In April 1999 the Navy performed a remediation of PCB-containing sediments in South Sweeper Creek, possibly resulting in the decreasing trend at SW-102 (Figure 6). In the spring of 2005, the city of Adak expanded the small boat harbor to

accommodate commercial fishing vessels. During this process, the existing sediments in that area were possibly disturbed, allowing PCBs in older sediments to be released into the water column. Similarly, the significant dredging in the small boat harbor area in 2010 and 2011, caused existing sediments in that area to be disturbed.

Total PCB concentrations in blue mussels in Kuluk Bay appear to be generally increasing at each location (Figure 7). The graphs for the three northernmost locations suggest a slightly increasing trend toward higher concentrations, which remain below the RBAL. Comparatively, the graphs for the locations closest to the downtown area (location KB-01) and the Metals Landfill (location KB-02/KBALT-02) show a steeper slope in the apparent trends. The total PCB concentrations detected in 2005 at these two locations were the first detections above the RBAL of 31 µg/kg since 2001. The 2007, 2009 and 2011 total PCB concentrations at these two locations are relatively close to the RBAL. Because Metals Landfill has been capped to minimize contaminant migrations to Kuluk Bay, and other known PCB sources in the downtown area have been remediated, the 2005 results may be solely due to the inherent variability of the data. There are no known significant events that would have affected concentrations of PCBs in blue mussels in Kuluk Bay.

Conclusions and Recommendations

As expected, the highest PCB concentrations in rock sole are consistently found in Sweeper Cove, which is nearest the known former PCB sources on Adak Island. The 2011 results showed an increase in mean PCB concentrations compared to the 2009 analytical results, and the trendline of PCBs in Sweeper Cove rock sole in Figure 4a suggests an overall decreasing (though not statistically significant) trend. However, the mean PCB concentration for 2011 was above the RBAL. Therefore, maintaining the consumption advisory for rock sole caught in Sweeper Cove is recommended.

Rock sole in Kuluk Bay have mean PCB concentrations that are significantly less than concentrations in rock sole from Sweeper Cove. The mean concentration for 2011 increased since 2009 and was above the RBAL. The trendline of PCBs in Kuluk Bay rock sole in Figure 4b shows a slight increasing concentration (not statistically significant), which nearly parallels the RBAL. Because the 2011 sample results exceed the RBAL and the trend suggests a slight increase in concentrations, maintaining the consumption advisory for rock sole caught in Kuluk Bay is recommended.

The highest PCB concentrations in blue mussels are consistently found in Sweeper Cove as expected. Although the mean PCB concentrations decreased substantially in 2007 and 2009, the concentration slightly increased in 2011. The mean concentrations exceeded the RBAL of

31 µg/kg for the last five sampling events after 2002. Figure 5a shows an increasing trend, which is not statistically significant. If the atypically high total PCB concentration results from sampling location SW-28 were excluded, the resulting mean concentration of 23.1 µg/kg would be below the RBAL. Because the mean total PCB concentrations remain in excess of the RBAL, continuing the consumption advisory for blue mussels collected in Sweeper Cove is recommended.

Blue mussels in Kuluk Bay have mean PCB concentrations that are significantly less than concentrations in blue mussels from Sweeper Cove. Although the mean concentration for 2005 was higher than in previous years (exceeded the RBAL), the mean concentration was less than the RBAL in 2007, 2009 and 2011. Figure 5b shows an increasing trend of PCB concentrations in Kuluk Bay blue mussels which is not statistically significant. In 2003, the fish consumption advisory was removed for blue mussels collected from Kuluk Bay. Because the mean total PCB concentration is below the RBAL and has been so for six of the past eight sampling events, reinstatement of the advisory for blue mussel consumption in Kuluk Bay is not recommended. However, if the same trend continues, mean PCB concentrations may exceed the RBAL in the next few years.

The Navy plans to sample rock sole and blue mussel samples from the same locations in Sweeper Cove and Kuluk Bay in 2013, and to evaluate the trends of the PCB concentrations in these embayments and at the individual locations. The additional data will help make decisions about fish advisories and future monitoring after the 2013 sampling event.

We trust this information is sufficient for your current needs. Please contact Annette Franzen at (206)940-7675 with any questions or comments you may have.

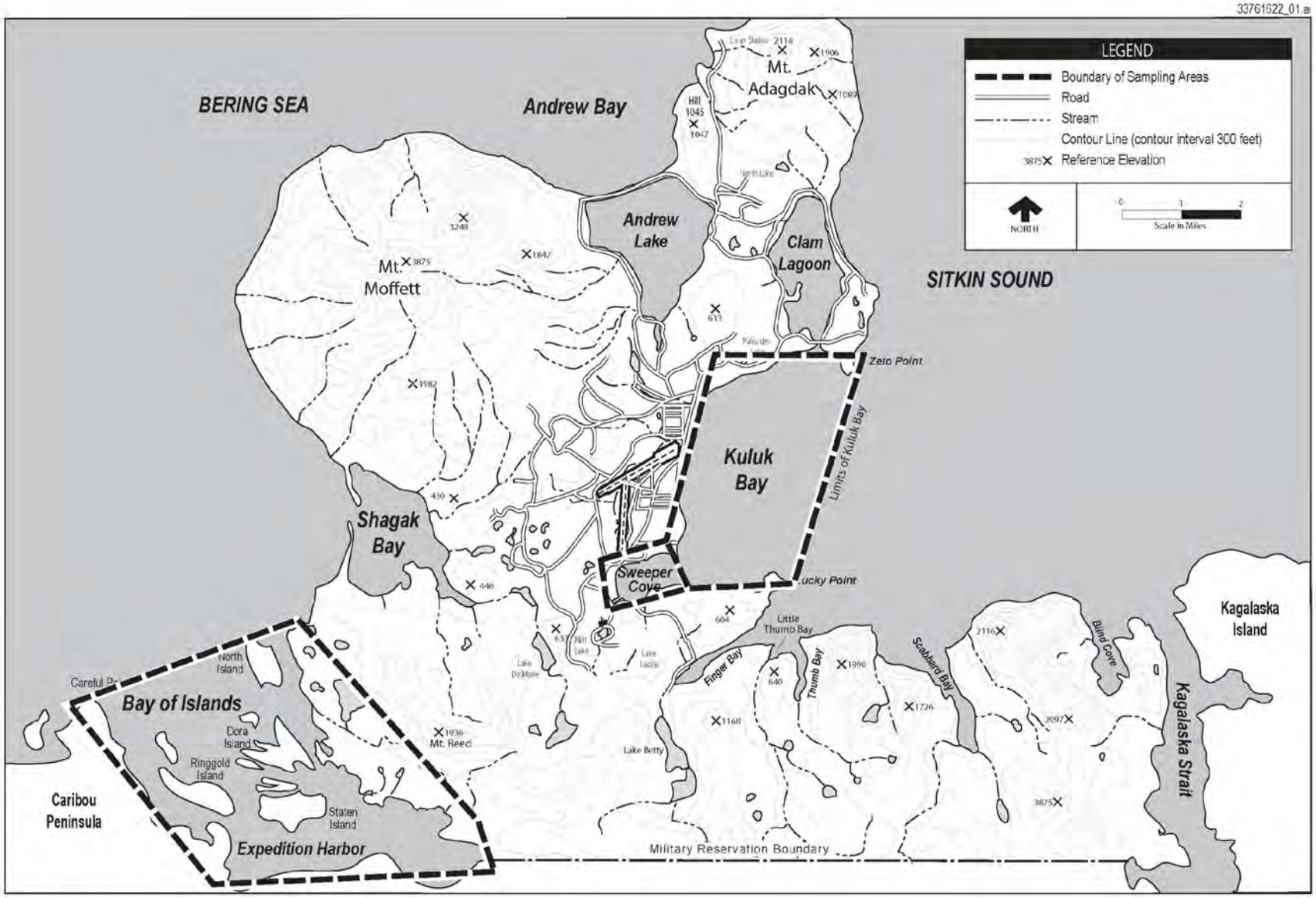
Annette Franzen	Tom Abbott
SES Task Order Manager	URS Project Manager

<u>Attachments:</u>

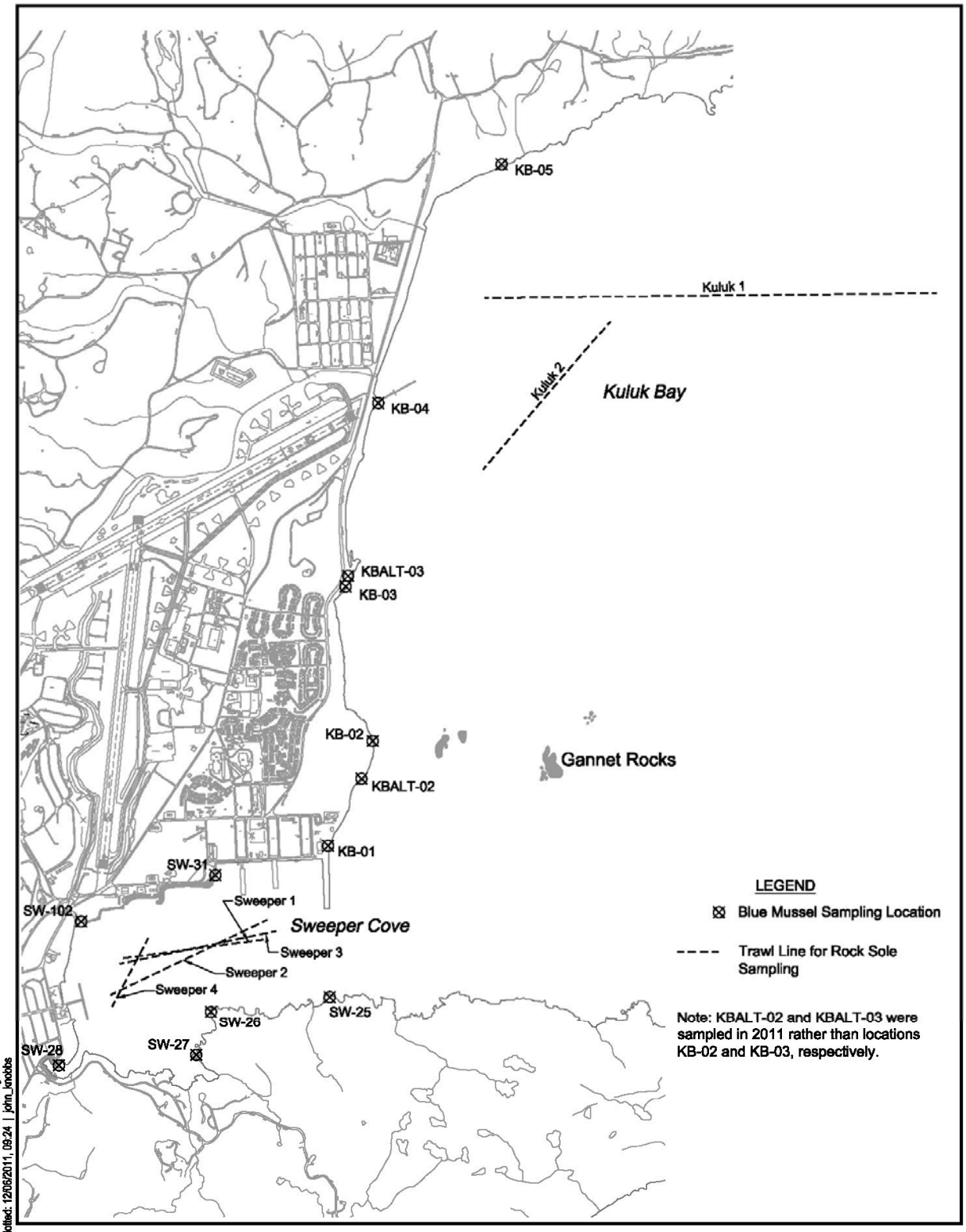
Attachment 1- Field Data and Other Supporting Documentation (on CD-ROM only):

- Copy of Field Logbook
- Copy of Chain-of-Custody Forms for Sample Shipping

- Sample Deviation Form
- Photographic Log
- Data Validation Package Part 1
- Data Validation Package Part 2 - Form 1s
- Statistical Calculation Backup
- Summary Excel Spreadsheet for 1999-2011 Data
- Responses to ADEC and EPA Comments on the Draft Technical Memorandum



U.S.NAVY	Task Order 32 Adak Island, AK TECHNICAL MEMORANDUM	**Figure 1** **Marine Tissue Sampling Areas**



T:\ADAK\IDIQ\Sub-Tasks\TO 32\FIG 2- '11 MARINE SAMP.dwg
Mod: 12/06/2011, 09:23 | Plotted: 12/06/2011, 09:24 | john_knobbs

U.S. NAVY	0 1,400 2,800 SCALE IN FEET	**Figure 2** **2011 Marine Sampling Locations in Sweeper Cove and Kuluk Bay**	Task Order 32 Adak Island, AK TECHNICAL MEMORANDUM

Figure 3. Fishing Vessel *Larisa M* Docked at the Small Boat Harbor

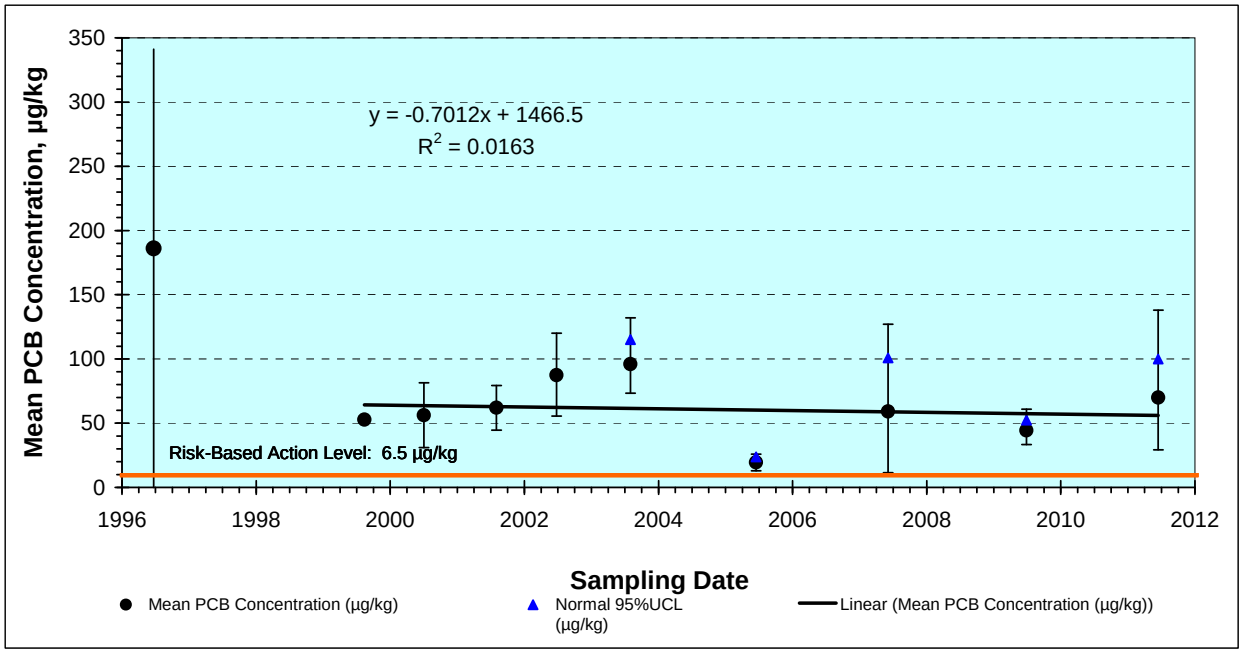


Figure 4a. Total PCB Concentrations in Sweeper Cove Rock Sole From 1996 Through 2011 With Trendline (Excluding 1996 Value)

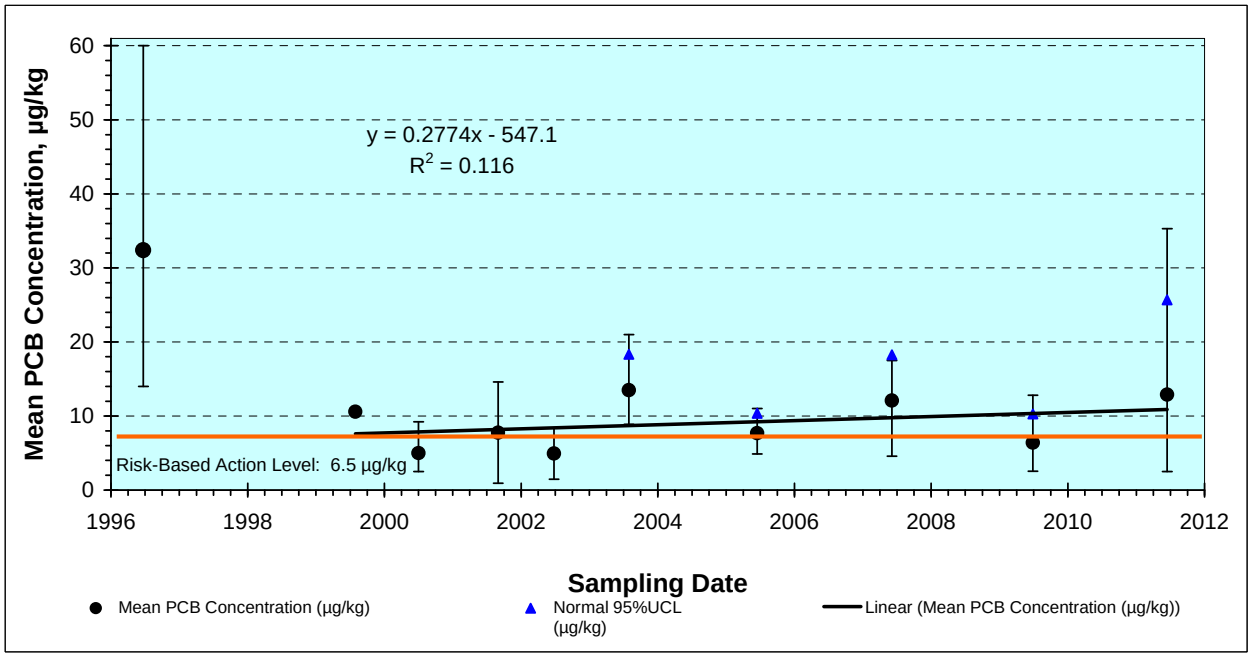


Figure 4b. Total PCB Concentrations in Kuluk Bay Rock Sole from 1996 Through 2011 With Trendline (Excluding 1996 Value)

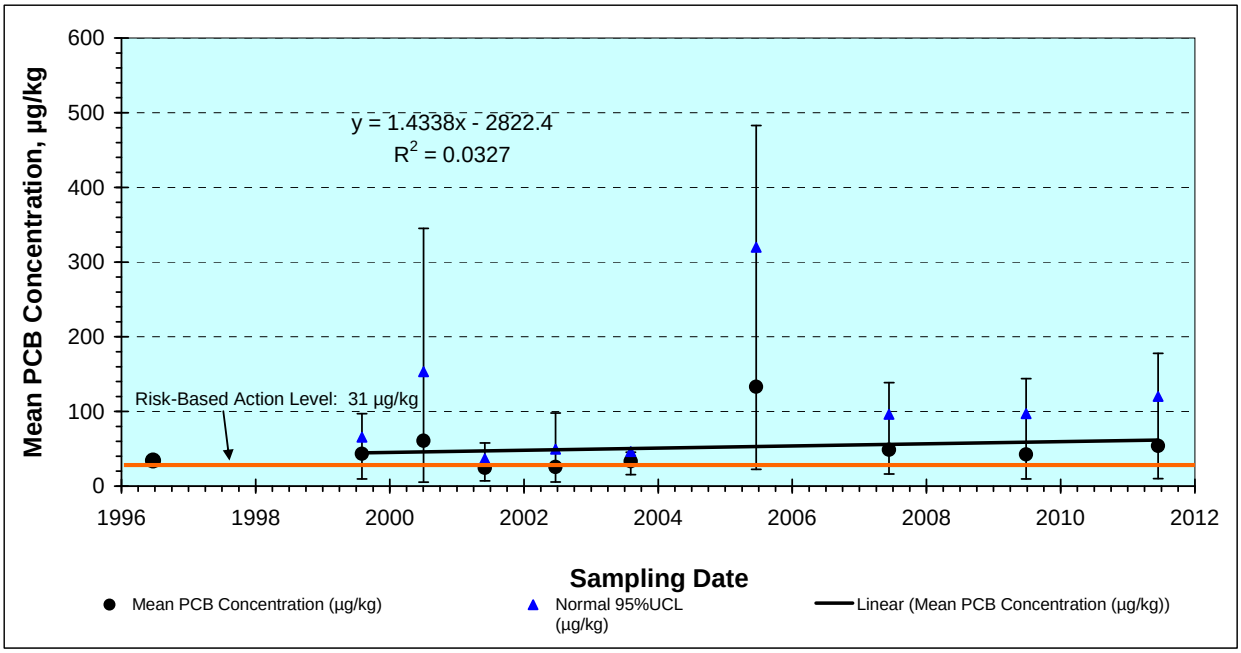


Figure 5a. Total PCB Concentrations in Blue Mussel in Sweeper Cove From 1996 Through 2011 With Trendline (Excluding 1996 Value)

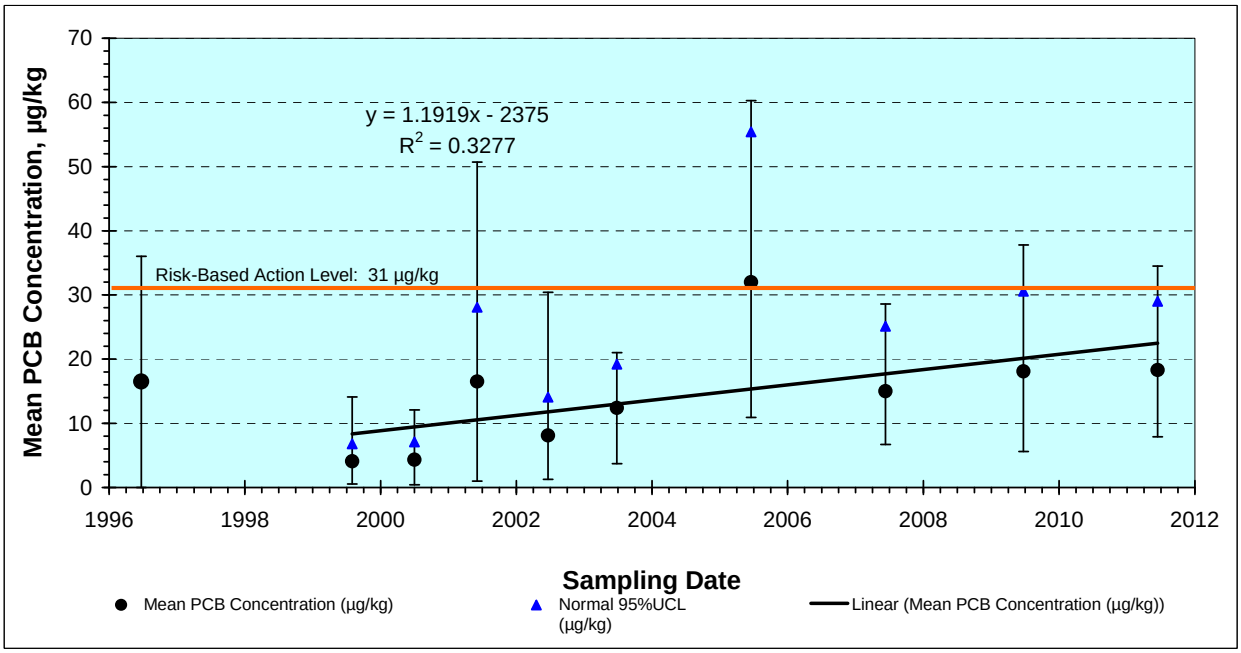


Figure 5b. Total PCB Concentrations in Kuluk Bay Blue Mussel From 1996 Through 2011 With Trendline (Excluding 1996 Value)

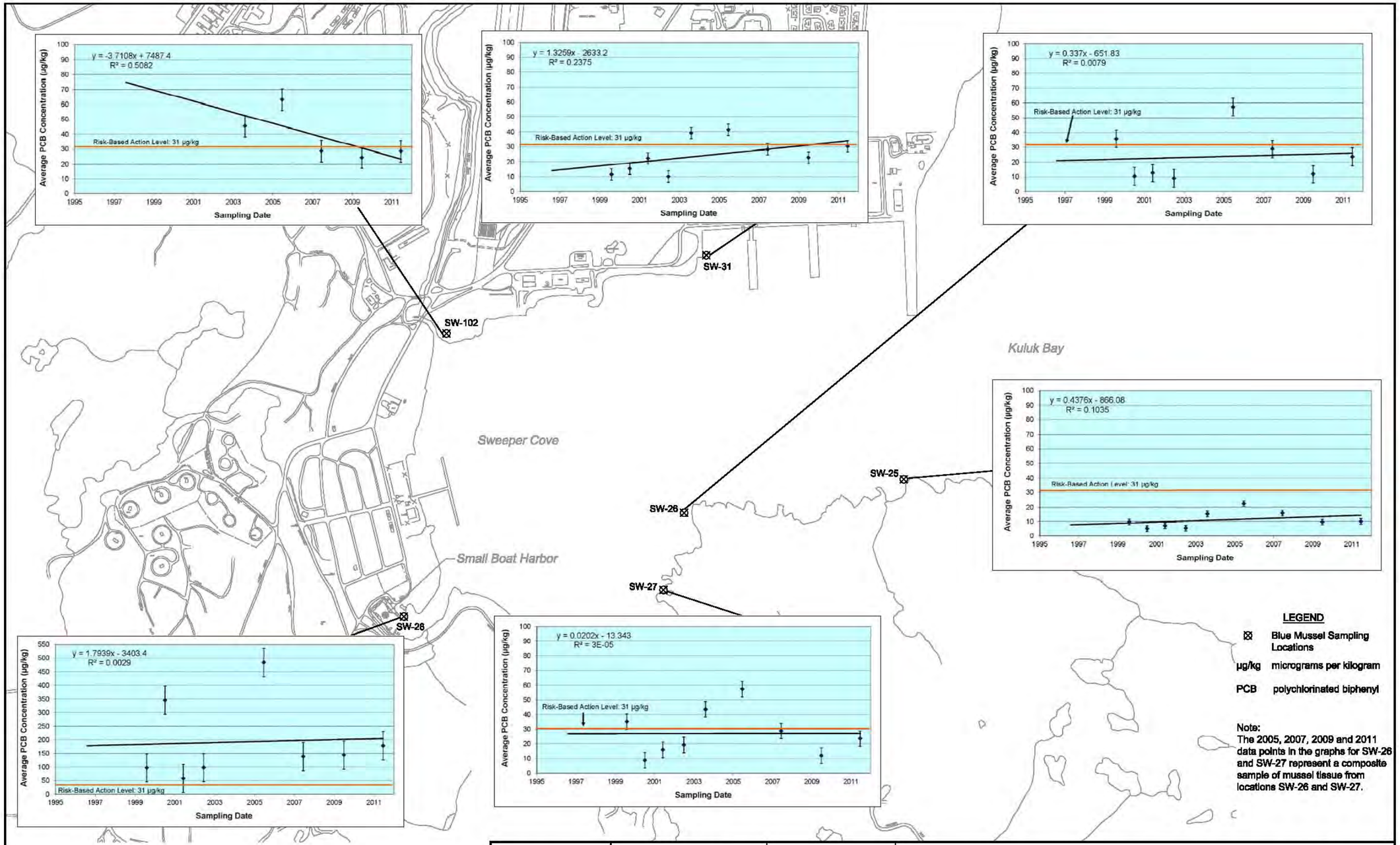
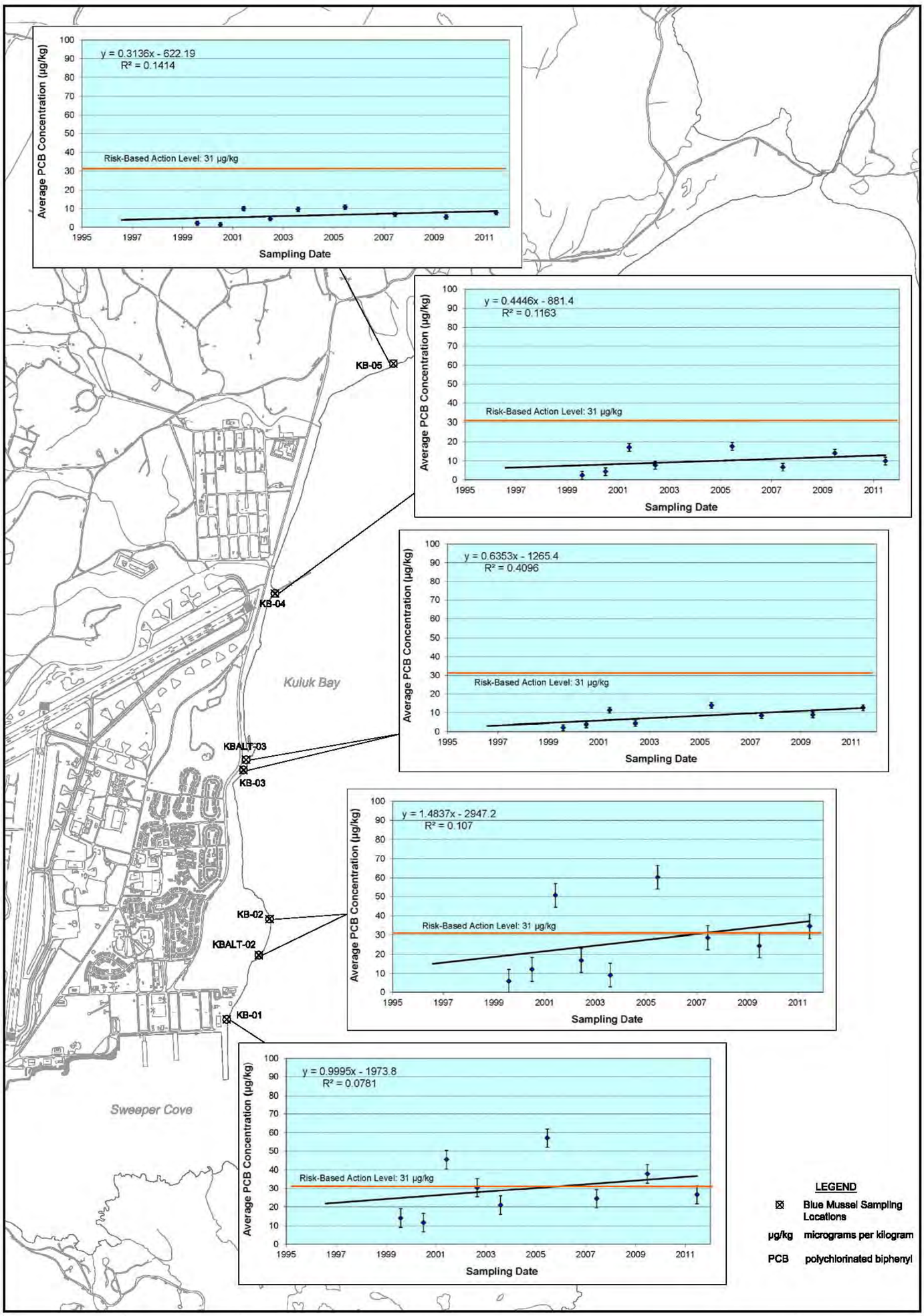


Figure 6
Total PCB Concentrations in Blue Mussels From Sampling Locations in Sweeper Cove, 1999 Through 2011



U.S. NAVY	0 1,000 2,000 SCALE IN FEET	**Figure 7** **Total PCB Concentrations in Blue Mussels from Sampling Locations in Kuluk Bay, 1999 Through 2011**	Task Order 32 Adak Island, AK TECHNICAL MEMORANDUM

T:\ADAK\DIQ\Sub-Tasks\TO 32\FIG 7 PCB KULUK (99-11).dwg
Mod: 09/19/2011, 14:23 | Plotted: 09/27/2011, 08:05 | john_knobbs

Table A-1
Coordinates of 2011 Trawl Lines

Embayment	Trawl Number	Start or End	Easting	Northing
Sweeper Cove	1	Start	3137157.45	313805.29
	1	End	3134139.95	313406.36
	2	Start	3137236.55	314230.49
	2	End	3133869.10	312617.86
	3	Start	3137422.75	313985.48
	3	End	3134063.51	313285.37
	4	Start	3134671.19	313827.47
	4	End	3133904.58	312374.17
Kuluk Bay	1	Start	3151621.85	327738.23
	1	End	3141909.63	327635.9
	2	Start	3144615.52	327126.24
	2	End	3141877.87	323924.83

Table A-2
Mussel Samples Collected At or Near Sampling Sites in Sweeper Cove and Kuluk Bay for Samples Collected in 1999 Through 2011

Sampling Location	Embayment	Company Sample ID (CSI) or Sample Number								
		1999	2000	2001	2002	2003	2005	2007	2009	2011
KB-01	Kuluk Bay	ADAK67	AM01	A01M01	A02M01	63055	230730	29086-007	KB-001_062209	KB01_061811
KB-02	Kuluk Bay	ADAK41	AM02	A01M02	A02M02	63056	230731	-	-	-
KBALT-02	Kuluk Bay	-	-	-	-	-	-	29086-008	KBALT- 02_062209	KBALT02_061811
KB-03	Kuluk Bay	ADAK42	AM03	A01M03	A02M03	-	230732	29086-009	KB-003_062209	-
KBALT-03	Kuluk Bay	-	-	-	-	-	-	-	-	KBALT03_061811
KB-04	Kuluk Bay	ADAK43	AM04	A01M04	A02M04	-	230733	29086-010	KB-004_062209	KB04_061511
KB-05	Kuluk Bay	ADAK44	AM05	A01M05	A02M05	63054	230734	29086-011	KB-005_062209	KB05_061811
KB-06	Kuluk Bay	ADAK45	AM06	A01M06	A02M06	-	-	-	-	-
KB-07	Kuluk Bay	ADAK46	AM07	A01M07	A02M07	-	-	-	-	-
KB-23	Kuluk Bay	ADAK66	AM23	A01M23	A02M23	-	-	-	-	-
KB-24	Kuluk Bay	ADAK70	AM24	A01M24	A02M24	-	-	-	-	-
SW-25	Sweeper Cove	ADAK73	AM25	A01M25	A02M25	63049	230724	29086-001	SW-25_062709	SW25_061811
SW-26	Sweeper Cove	ADAK74	AM26	A01M26	A02M26	-	230725[a]	29086-002[b]	SW-26_27 _062709[a]	SW26/27_061811 [a]
SW-27	Sweeper Cove	ADAK77	AM27	A01M27	A02M27	63050	230725[a]	29086-002[b]	SW-26_27 _062709[a]	SW26/27_061811 [a]
SW-28	Sweeper Cove	ADAK76	AM28	A01M28	A02M28	-	230726/ 230727	29086-003	SW-28_062309/ SW-28D _062309	SW28_061511
SW-29	Sweeper Cove	ADAK75	AM29	A01M29	A02M29	-	-	-	-	-
SW-30	Sweeper Cove	ADAK78	AM30	A01M30	A02M30	-	-	-	-	-
SW-31	Sweeper Cove	ADAK81	AM31	A01M31	A02M31	63046	230728	29086-004	SW-31_062309	SW31_06151
SW-102	Sweeper Cove	-	-	-	-	63047/ 63051	230729	29086-006	SW-102_062309	SW102_061511 DUP1_061511
SW-103	Sweeper Cove	-	-	-	-	63048	-	-	-	-
KB-101	Kuluk Bay	-	-	-	-	63052	-	-	-	-
KB-102	Kuluk Bay	-	-	-	-	63053	-	-	-	-

[a] This sample was a composite sample of an equal number of mussels from sampling sites SW-26 and SW-27.
[b] Sample 29086-002 was a composite sample of mussels from sampling sites SW-26 and SW-27.
- Sample not collected

Table A-3
Summary of Adak Rock Sole and Blue Mussel Total PCBs for Samples Collected From Bay of Islands, Kuluk Bay, and Sweeper Cove 1999 Through 2011

Tissue Type	Sample Number	Company Sample ID or Sampling Location	Approximate Sample Date	Number of Analytes Tested	Number of Analytes Detected	Sum of Detected Analytes (µg/kg wet weight)
Bay of Islands						
Blue mussel	227686	ADAK98	8/1/99 12:00	57	14	0.434
	227687	ADAK99	8/1/99 12:00	57	11	0.249
	227688	ADAK100	8/1/99 12:00	57	11	0.320
	227690	ADAK101	8/1/99 12:00	57	3	0.0720
					1999 Mean Value	0.269
	227727	BOIM02	7/1/00 12:00	58	5	0.0908
	227728	BOIM03	7/1/00 12:00	58	8	0.182
	227729	BOIM04	7/1/00 12:00	58	4	0.125
	227736	BOIM01	7/1/00 12:00	58	6	1.98
					2000 Mean Value	0.594
	227771	BI01M1	6/13/01 12:00	58	2	0.040
	227773	BI01M3	6/13/01 12:00	58	0	0.01[a]
	227772	BI01M2	6/28/01 12:00	58	1	0.023
					2001 Mean Value	0.024
	227812	BI02M1	6/14/02 12:00	58	1	0.0187
	227813	BI02M2	6/14/02 12:00	58	1	0.0229
	227814	BI02M3	6/14/02 12:00	58	2	0.0584
	227815	BI02M4	6/14/02 12:00	58	2	0.0399
					2002 Mean Value	0.035
	63044	BI-101	8/1/03 3:30	170	15	0.133
	63041	BI-102	8/1/03 4:45	170	20	0.198
	63043	BI-103	8/1/03 5:45	170	21	0.268
	63045	BI-104	8/1/03 7:00	170	18	0.207
	63042	BI-105	8/1/03 8:15	170	14	0.108
					2003 Mean Value	0.183
Rock sole	227819	BI-04	7/1/00 12:00	56	16	1.14
	227823	BI-08	7/1/00 12:00	56	20	1.05
					2000 Mean Value	1.10
	63068	63068	8/2/03 1:40	170	24	0.313
	63069	63069	8/2/03 1:41	170	28	0.352
	63070	63070	8/2/03 1:42	170	27	0.314
	63071	63071	8/2/03 1:43	170	27	0.343
	63072	63072	8/2/03 1:44	170	21	0.279
					2003 Mean Value	0.320
Kuluk Bay						
Blue mussel	227645	02	8/1/99 12:00	58	43	5.93
	227646	03	8/1/99 12:00	58	32	2.09
	227647	04	8/1/99 12:00	58	33	2.27
	227648	05	8/1/99 12:00	58	34	2.06
	227649	06	8/1/99 12:00	58	24	0.752
	227650	07	8/1/99 12:00	58	17	0.553
	227666	23	8/1/99 12:00	58	21	1.48
	227667	24	8/1/99 12:00	58	39	7.42
	227689	01	8/1/99 12:00	57	44	14.1
					1999 Mean Value	4.07
	227693	03	7/1/00 12:00	58	37	3.68
	227694	04	7/1/00 12:00	58	39	4.30
	227695	05	7/1/00 12:00	58	30	1.30
	227696	06	7/1/00 12:00	58	24	0.790
	227697	07	7/1/00 12:00	58	18	0.407
	227700	23	7/1/00 12:00	58	26	1.67

Table A-3 (continued)
Summary of Adak Rock Sole and Blue Mussel Total PCBs for Samples Collected From Bay of Islands, Kuluk Bay, and Sweeper Cove From 1999 Through 2011

Tissue Type	Sample Number	Company Sample ID or Sampling Location	Approximate Sample Date	Number of Analytes Tested	Number of Analytes Detected	Sum of Detected Analytes (µg/kg wet weight)
Kuluk Bay Blue mussel (continued)	227713	01	7/1/00 12:00	58	46	11.7
	227714	02	7/1/00 12:00	58	45	12.1
	227717	24	7/1/00 12:00	58	29	2.82
					2000 Mean Value	4.31
	227761	23	6/2/01 12:00	58	14	2.27
	227762	24	6/2/01 12:00	58	24	9.48
	227739	01	6/3/01 12:00	58	45	45.4
	227741	03	6/3/01 12:00	58	32	11.3
	227744	06	6/3/01 12:00	58	13	1.56
	227740	02	6/4/01 12:00	58	41	50.7
	227742	04	6/4/01 12:00	58	37	17.0
	227743	05	6/4/01 12:00	58	37	10.0
	227745	07	6/4/01 12:00	58	16	0.990
					2001 Mean Value	16.5
	227780	02	6/11/02 12:00	58	36	16.8
	227781	03	6/11/02 12:00	58	22	4.40
	227782	04	6/11/02 12:00	58	31	7.69
	227783	05	6/26/02 12:00	58	30	4.59
	227784	06	6/26/02 12:00	58	23	1.31
	227785	07	6/26/02 12:00	58	24	1.27
	227801	23	6/26/02 12:00	58	17	1.69
	227802	24	6/26/02 12:00	58	22	4.81
	227779	01	8/28/02 12:00	58	41	30.4
					2002 Mean Value	8.10
	63054	05	8/4/03 1:30	168	80	9.76
	63055	01	8/4/03 4:57	170	92	21.0
	63056	02	8/4/03 5:26	170	81	9.05
	63052	KB-101	8/4/03 11:59	170	87	18.5
	63053	KB-102	8/4/03 12:45	170	64	3.72
					2003 Mean Value	12.4
	230730	01	6/17/05 12:28	168	112	57.1
	230731	02	6/17/05 11:45	168	108	60.3
	230732	03	6/16/05 15:50	168	96	13.9
	230733	04	6/16/05 14:51	168	92	17.6
	230734	05	6/16/05 14:00	168	81	10.9
					2005 Mean Value	32.0
	29086-007	KB01	6/10/07	168	112	24.4
	29086-008	KBALT02	6/10/07	168	114	28.6
	29086-009	KB03	6/10/07	168	92	8.48
	29086-010	KB04	6/10/07	168	85	6.70
	29086-011	KB05	6/10/07	168	77	6.84
					2007 Mean Value	15.0
	KBALT02_062209	KBALT02	6/22/09	194	84	24.4
	KB-001_062209	KB01	6/22/09	194	93	37.8
	KB-003_062209	KB03	6/22/09	195	41	8.85
	KB-004_062209	KB04	6/22/09	195	72	14.0
	KB-005_062209	KB05	6/22/09	195	32	5.62
					2009 Mean Value	18.1
	KB01_061811	KB01	6/18/11	168	71	26.6
	KBALT02_061811	KBALT02	6/18/11	168	67	34.5
	KBALT03_061811	KBALT03	6/18/2011 0:00	168	59	12.6
	KB04_061511	KB04	6/15/2011 0:00	168	55	9.88

Table A-3 (continued)
Summary of Adak Rock Sole and Blue Mussel Total PCBs for Samples Collected From Bay of Islands, Kuluk Bay, and Sweeper Cove From 1999 Through 2011

Tissue Type	Sample Number	Company Sample ID or Sampling Location	Approximate Sample Date	Number of Analytes Tested	Number of Analytes Detected	Sum of Detected Analytes (µg/kg wet weight)
Kuluk Bay Blue mussel (continued)	KB05_061811	KB05	6/18/2011 0:00	168	51	7.87
					2011 Mean Value	18.3
Rock sole	227623	AD-20	7/29/99 12:00	56	41	10.6
					1999 Mean Value	10.6
	227830	AD-01	7/1/00 12:00	56	44	2.53
	227837	AD-08	7/1/00 12:00	56	45	3.28
	227840	AD-11	7/1/00 12:00	56	45	9.21
					2000 Mean Value	5.01
	227580	MSL01AK	8/29/01 12:00	58	40	14.6
	227582	MSL01AZ	8/31/01 12:00	58	12	0.928
					2001 Mean Value	7.75
	227608	MSL02AK	6/24/02 12:00	58	29	8.40
	227610	MSL02AZ	6/24/02 12:00	58	23	1.48
					2002 Mean Value	4.94
	63057	63057	7/30/03 5:10	170	85	8.88
	63060	63060	7/30/03 5:11	170	99	21.0
	63061	63061	7/30/03 5:12	170	88	10.8
	63059	63059	7/30/03 5:13	170	94	10.4
	63058	63058	7/30/03 5:14	170	96	16.5
					2003 Mean Value	13.5
	230719	230719	6/14/05 13:05	168	75	4.88
	230720	230720	6/14/05 13:06	168	86	11.0
	230721	230721	6/14/05 13:07	168	81	6.63
	230722	230722	6/14/05 13:08	168	80	10.4
	230723	230723	6/14/05 13:09	168	80	5.56
					2005 Mean Value	7.69
	29085-007	KB201	6/4/07	168	93	15.5
	29085-008	KB202	6/4/07	168	87	5.58
	29085-009	KB203	6/4/07	168	83	4.59
	29085-010	KB204	6/4/07	168	96	17.4
	29085-011	KB205	6/4/07	168	93	17.5
					2007 Mean Value	12.1
	KB201_062609	KB-204	6/26/09	195	33	4.86
	KB202_062609	KB-204	6/26/09	195	48	12.8
	KB203_062609	KB-204	6/26/09	195	26	3.99
	KB204_062609	KB-204	6/26/09	195	42	7.83
	KB205_062609	KB-204	6/26/09	195	20	2.53
					2009 Mean Value	6.40
	KB1_061411	KB1_061411	6/14/11	168	81	2.51
	KB2_061411	KB2_061411	6/14/11	168	67	15.2
	KB3_061411	KB3_061411	6/14/11	168	95	35.3
	KB4_061411	KB4_061411	6/14/11	168	48	3.73
	KB5_061411	KB5_061411	6/14/11	168	89	7.84
					2011 Mean Value	12.9
Sweeper Cove						
Blue mussel	227668	25	8/1/99 12:00	58	40	9.66
	227669	26	8/1/99 12:00	58	46	35.7
	227670	27	8/1/99 12:00	58	47	35.2
	227671	30	8/1/99 12:00	58	51	33.7
	227672	31	8/1/99 12:00	58	43	11.5
	227674	ADAK83	8/1/99 12:00	58	51	89.9

Table A-3 (continued)
Summary of Adak Rock Sole and Blue Mussel Total PCBs for Samples Collected From Bay of Islands, Kuluk Bay, and Sweeper Cove From 1999 Through 2011

Tissue Type	Sample Number	Company Sample ID or Sampling Location	Approximate Sample Date	Number of Analytes Tested	Number of Analytes Detected	Sum of Detected Analytes (µg/kg wet weight)
Sweeper Cove Blue mussel (continued)	227675	29	8/1/99 12:00	58	47	35.1
	227676	28	8/1/99 12:00	58	50	97.0
					1999 Mean Value	43.5
	227715	25	7/1/00 12:00	57	35	5.22
	227716	31	7/1/00 12:00	58	44	15.4
	227718	27	7/1/00 12:00	58	36	8.76
	227719	28	7/1/00 12:00	58	47	345
	227720	29	7/1/00 12:00	58	46	26.4
	227721	30	7/1/00 12:00	58	44	14.4
	227734	26	7/1/00 12:00	58	44	10.4
					2000 Mean Value	60.9
	227763	25	6/1/01 12:00	58	24	7.19
	227764	26	6/1/01 12:00	58	28	12.7
	227765	27	6/1/01 12:00	58	31	15.9
	227766	28	6/1/01 12:00	58	34	57.7
	227767	29	6/1/01 12:00	58	35	26.8
	227768	30	6/1/01 12:00	58	36	28.5
	227769	31	6/1/01 12:00	58	32	22.3
					2001 Mean Value	24.4
	227806	28	6/11/02 12:00	58	32	98.0
	227807	29	6/11/02 12:00	58	32	23.7
	227808	30	6/11/02 12:00	58	32	14.2
	227809	31	6/11/02 12:00	58	27	10.1
	227803	25	6/26/02 12:00	58	24	5.50
	227804	26	6/26/02 12:00	58	24	9.02
	227805	27	6/26/02 12:00	58	30	19.2
					2002 Mean Value	25.7
	63046	31	8/4/03 10:05	170	99	39.3
	63047	SW-102	8/4/03 10:15	170	97	45.5
	63051	SW-102	8/4/03 10:15	170	98	38.4[b]
	63048	SW-103	8/4/03 10:20	170	91	22.7
	63049	25	8/4/03 10:45	170	86	15.2
	63050	27	8/4/03 11:15	170	97	43.6
					2003 Mean Value	33.3
	230724	25	6/16/05 11:15	168	96	22.5
	230725	26/27	6/16/05 11:50	168	104	57.3
	230726	28	6/17/05 9:45	168	132	458[b]
	230727	28	6/17/05 9:46	168	132	483
	230728	31	6/17/05 8:50	168	99	41.4
	230729	102	6/17/05 9:15	168	106	63.2
					2005 Mean Value	133
	29086-001	SW25	6/10/07	168	103	15.7
	29086-002	SW26/27	6/10/07	168	106	28.8
	29086-003	SW28	6/10/07	168	125	138
	29086-004	SW31	6/10/07	168	102	28.3
	29086-005	SW46	6/10/07	168	123	112[b,c]
	29086-006	SW102	6/10/07	168	107	28.6
					2007 Mean Value	47.9
	SW-102_062309	SW-102	6/23/09	195	50	24.3

Table A-3 (continued)
Summary of Adak Rock Sole and Blue Mussel Total PCBs for Samples Collected From Bay of Islands, Kuluk Bay, and Sweeper Cove From 1999 Through 2011

Tissue Type	Sample Number	Company Sample ID or Sampling Location	Approximate Sample Date	Number of Analytes Tested	Number of Analytes Detected	Sum of Detected Analytes (µg/kg wet weight)
Sweeper Cove Blue mussel (continued)	SW-31_062309	SW31	6/23/09	195	71	22.8
	SW-28_062309	SW28	6/23/09	195	87	144
	SW-28D_062309	SW28	6/23/09	195	86	140 [b]
	SW-25_062709	SW25	6/27/09	195	40	9.59
	SW-26_27_062709	SW26/27	6/27/09	195	41	11.9
					2009 Mean Value	42.5
	SW25_061811	SW25	6/18/2011 0:00	168	70	10.1
	SW26/27_061811	SW26/27	6/18/2011 0:00	168	63	23.6
	SW28_061511	SW28	6/15/2011 0:00	168	92	178
	SW31_06151	SW31	6/15/2011 0:00	168	72	30.3
	SW102_061511	SW-102	6/15/2011 0:00	168	71	28.5
					2011 Mean Value	54.1
Rock sole	227619	AD-07	8/13/99 12:00	56	41	52.9
					1999 Mean Value	52.9
	227848	AD-19	7/1/00 12:00	56	46	31.1
	227849	AD-23	7/1/00 12:00	56	48	81.4
					2000 Mean Value	56.2
	227579	MSL01AI	6/18/01 12:00	58	41	79.4
	227581	MSL01AO	8/31/01 12:00	58	41	44.6
					2001 Mean Value	62.0
	227607	MSL02AI	6/24/02 12:00	58	41	120
	227609	MSL02AO	6/24/02 12:00	58	43	55.5
					2002 Mean Value	87.5
	63062	63062	7/31/03 3:20	170	112	132
	63067	63067	7/31/03 3:20	170	110	78.6
	63063	63063	7/31/03 3:21	170	104	73.4
	63064	63064	7/31/03 3:22	170	110	113
	63065	63065	7/31/03 3:23	170	104	79.5
	63066	63066	7/31/03 3:24	170	111	98.8
					2003 Mean Value	96.0
	230713	230713	6/14/05 10:35	168	86	25.9
	230714	230714	6/14/05 10:36	168	88	23.9
	230715	230715	6/14/05 10:37	168	85	14.8
	230716	230716	6/14/05 10:38	168	86	17.1
	230717	230717	6/14/05 10:39	168	85	13.1
	230718	230718	6/14/05 10:40	168	88	22.1
					2005 Mean Value	19.5
	29085-001	SW201	6/4/07	168	101	80.4
	29085-002	SW202	6/4/07	168	112	127
	29085-003	SW203	6/4/07	168	102	57.7
	29085-004	SW204	6/4/07	168	94	11.5
	29085-005	SW205	6/4/07	168	101	39.2
	29085-006	SW206	6/4/07	168	99	39.0 [b,d]
					2007 Mean Value	59.1
	SW201_062609	SW-204	6/26/09	195	80	49.4
	SW202_062609	SW-204	6/26/09	195	72	38.7
	SW203_062609	SW-204	6/26/09	195	84	60.9
	SW204_062609	SW-204	6/26/09	195	77	39.6
	SW205_062609	SW-204	6/26/09	195	67	33.5
	SW206_062609	SW-204	6/26/09	195	78	45.0
					2009 Mean Value	44.5
	SW1_061411	SW1_061411	6/14/11	168	81	66.7

Table A-3 (continued)
Summary of Adak Rock Sole and Blue Mussel Total PCBs for Samples Collected From Bay of Islands, Kuluk Bay, and Sweeper Cove From 1999 Through 2011

Tissue Type	Sample Number	Company Sample ID or Sampling Location	Approximate Sample Date	Number of Analytes Tested	Number of Analytes Detected	Sum of Detected Analytes (µg/kg wet weight)
Sweeper Cove Rock sole (continued)	SW2_061411	SW2_061411	6/14/11	168	104	67.1
	SW3_061411	SW3_061411	6/14/11	168	101	29.4
	SW4_061411	SW4_061411	6/14/11	168	91	53.8
	SW5_061411	SW5_061411	6/14/11	168	77	64.5
	SW6_061411	SW6_061411	6/14/11	168	83	138.0
					2011 Mean Value	69.9

[a] Even though no PCB was detected, the detection limit of 0.01 µg/kg was used to calculate the mean.
[b] Not used to calculate the mean value because it is a duplicate sample from the same sampling location.
[c] Sample 29086-005 is a duplicate sample taken from location SW-28. The regular sample taken at this location is sample 29086-003.
[d] Sample 29085-006 is a duplicate (split) of sample 29086-005.

Notes:
µg/kg - microgram per kilogram
PCBs - polychlorinated biphenyls
The 2007 data was adjusted to exclude all nondetected values in calculating the sum of detected analytes.

ATTACHMENT

FIELD DATA AND OTHER SUPPORTING DOCUMENTATION (ON CD-ROM ONLY)

ATTACHMENT

COPY OF FIELD LOGBOOK

ADAK

"Rite in the Rain"®

ALL-WEATHER

ENVIRONMENTAL

No. 550-4F

2011 Marne

Book #1

Project: TO 32 2011 Adak Marine Monitoring

Navy Installation: Former Adak Naval Complex
Adak, Alaska

Site Name: OU A

Start Date: 6-13-11

End Date: 6-18-11

Book Assignment: Eric Lillywhite FOL

Company: URS Corporation
1501 4th Avenue, Suite 1400
Seattle, WA 98101-1616
206-438-2700

SeaAlaska Environmental Services
18743 Front St. NE, Suite 201
Poulsbo, WA 98370
360-930-3300

Reviewed by: TOM Annette Franzen
9/20/11

"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

ALL-WEATHER

ENVIRONMENTAL FIELD BOOK

Name Eric Lillyhite

Address 1501 4th Ave. Suite 1400
Seattle, WA 98101

Phone 206-849-7831, 800-727-9491

Project

This book is printed on "Rite in the Rain" All-Weather Writing Paper - A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

Specifications for this book:

Page Pattern		Cover Options	
Left Page	Right Page	Polydura Cover	Fabrikoid Cover
Columnar	1/4" Grid	N/A	Item No. 550-4F

© 1996 J. L. DARLING CORP.

CONTENTS

PAGE	REFERENCE	DATE
3	Trawl Sweepen Cover	6/13
4	- Sweepen #1	
5	- Sweepen #2	
6	- Sweepen #3	
7	- Sweepen #4	
9	- Kulik #1	
10	- Kulik #2	
11	Filleting Fish	6/14
12	- Fish Sample Inventory	
13	Collect Blue Mussels	6/15
13	- Location SW-28	
13	- Location SW-102	
14	- Location SW-31	
14	- Location KB-01	
14	- Location KB-04	
15	Mussel Sample Inventory	
16	Collect Blue Mussels	6/16

Reference Page Index

67 Error codes, Hazardous classifications, Container types
68 Sampling guidelines (Liquids)
69 Sampling guidelines (Solids)
70 Approximate Volume of Water in Casing or Hole, Ground Water Monitoring Well
71 PVC Pipe casing tables
72 Soil Classification
73 Soil Classification
74 Conversions (Length, Weight, Volume, Temp, etc...)
75 Conversions (Concentrations, Volume/Flow or Time, Velocity, Acceleration)
76 Maximum Concentration of Contaminants for the Toxicity Characteristic

CONTENTS

PAGE	REFERENCE	DATE
17	- Weather Parameters Sampling	6/16
18	Collect Blue Mussels	6/17
18	- Location KBALT-03	
19	- Location KBALT-02	
19	- Location KB-01	
20	- Location SW-25	6/18
20	- Location SW-26	
21	Sampler Inventory	
22	Collect Blue Mussels	
22	- Location SW-27	

Location Adak Date 6/13/11

Project / Client 2011 Marine

E. Lillyhite

Weather: 45-50° Cloudy
Crew: Lillyhite, Johnson
Activity: Trawling Sweeper Cove, Adak Bay
Coordinates are Decimal Minutes ~~(NAD 83)~~

0830 Load up Larissa M WGS84
0845 Safety Meeting, Don Survival Suits for practice, go over EPIRB, Life Raft, fire extinguishers etc, Man Overboard procedures
0940 Leave to trawl Sweeper Cove, Megan Dooley off the boat (6 persons max)
1100 1st Deployment Failed, no fish
1150 2nd Deployment Failed, 2 juvenile rock sole, 1 cockle
1345 Failed Deployment, hung up on rock
1400 Discover 2-3' hole in the net
1530 Go to Pier 5 to drop off Aaron and pick up Megan

E. Lillyhite

4

Location Adak K Date 6/13/11

Project / Client 2011 Marine

E Lillyhub

1230 Sweeper #1
Lat 51° 51.47
Long -176° 38.14
3 Adult Rock Sole
6 Juvenile R ole
5 Rex Sole
8 Sand Sole
2 Sticklebacks
6 Tanner Crabs
15 Nutubranchs

End Lat 51° 51.40
Long -176 38.94

E Lillyhub 6/13/11

Location Adak K Date 6/13/11

Project / Client 2011 Marine

E Lillyhub

1315 Sweeper #2
Lat 51° 51.34
Long -176° 38.12
12 adult Rock Sole
≈20 Juvenile Rock Sole
1 Rex Sole
2 Sand Sole
6 Sticklebacks

(Turn)
Lat 51° 51.45
Lo -176° 38.90

End Lat 51° 51.27
Long -176° 39.01

E Lillyhub 6/13/11

Location Adak Date 6/13/11

Project / Client 2011 Marine

E. Lillyfield

1440 Sweeper #3
Lat 51° 51.50
Long -176° 38.07
12 Rock Sole
≈ 15 Juvenile Rock Sole
3 Rex Sole
5 Sculpins
2 Starfishes
4 Seastars

End Lat 51° 51.38
Long -176° 38.96

E. Lillyfield 6/13/11

Location Adak Date 6/13/11

Project / Client 2011 Marine

E. Lillyfield

1520 Sweeper #4
Lat 51° 51.47
Long -176° 38.80
3 Rock Sole
≈ 12 Juvenile Rock Sole
3 Sculpin Sole
1 Stickleback

(turn)
Lat 51° 51.37
-176 38.02

End Lat 51° 51.23
Long -176° 39.00

E. Lillyfield 6/13/11

Location Adak Date 6/13/11

Project / Client 2011 Marine
E. Lillyholo

1830 Return to small boat harbor
to offload

E. Lillyholo
6/13/11

Location Adak Date 6/13/11

Project / Client 2011 Marine
E. Lillyholo

Kulk #1
Lat 51° 53.78
Long -176° 34.33
17 Rock Sole
≈25 Juvenile Rock Sole
2 Sand Sole

End Lat 51° 53.75
Long -176° 36.91
E. Lillyholo 6/13/11

Location Adak Date 6/13/11

Project / Client ~~2010~~ 2011 Merne

E. Lillyhite

Kulik #2

Lat 51° 53.67

Long -176° 36.19

11 Rock Sole

≈ 15 Juvenile Rock Sole

2 Skates

1 King Crab Female

2 Shrimp

End Lat 51° 53.14

Long -176° 36.91

E. Lillyhite

Location Adak Date 6/14/11

Project / Client 2011 Merne

E. Lillyhite

Weather: 45-50° drizzle, breezy

Crew: Lillyhite, Johnson

Activity: Filleting Fish

0800 Safety Meeting topics noted cut-cut gloves and other proper PPE

0830 Phone check in with Annette Franzen discuss poor weather forecast

0900 Talk to Sherry Wunderlich about laboratory

Test America

David Alltucker

880 Riverside Parkway

West Sacramento CA 95605

~~916~~ 916-374-4383

PO# PO-00624F

1015 Fillet Activities, Aaron Vernik and Megan Dooley observing

1700 End Fillet Activities E. Lillyhite

Location Adak Date 6/14/11

Project / Client 2011 Marine

S. Lillyhole

Sample Inventory Fish

Sample ID	Time	Wet Weight
SW1_061411	1019	50.4 g
SW2_061411	1050	51.2 g
SW3_061411	1130	50.6 g
SW4_061411	1220	50.9 g
SW5_061411	1250	50.9 g
SW6_061411	1315	50.9 g
(Replicate)		
KB1_061411	1445	50.6 g
KB2_061411	1502	50.4 g
KB3_061411	1526	50.8 g
KB4_061411	1548	50.9 g
KB5_061411	1606	50.8 g

S. Lillyhole
6/14/11

Location Adak Date 6/15/11

Project / Client 2011 Marine

S. Lillyhole

Weather: 45-50° Rain, 30 mph winds
Crew: Lillyhole, Johnson
Activity: Collect and Sample blue mussels @ SW-28, SW-31, SW-102 + DUP, KB04

0900 Safety and OPS meeting Rod Whitehead has checked out Sweeper Cove locations requiring Zodiac access, Very rough seas no access today

1032 Arrive at SW-28 for Mussel collection

1045 Collect Mussels GPS reading accuracy +/- 140' no WAAS correction

1051 Arrive at SW-102 + DUP
Lat 51.85879 +/- 16'
Long -176.65305

1105 Return to SW-28 now GPS is working well
Lat 51.85031 +/- 23'
Long -176.65503

S. Lillyhole 6/15/11

Location Adak Date 6/15/11

Project / Client 2011 Mussel

S. Lillyhub

1115 Location SW-31
Lat 51.86162 +/- 13'
Long -176.64030
- Smaller mussels at this area
1130 Arrive at KB-01, too much wave action to access
1154 Arrive at KB-04
Lat 51.88953 +/- 21'
Long -176.62517
Smaller mussels at this location
1220 Return to Housing
1315 Begin Mussel Sampling, Aaron Venik and Megan Dooley observing
1730 Finished Sample collection for the day

S. Lillyhub 6/15/11

Location Adak Date 6/15/11

Project / Client 2011 Mussel

S. Lillyhub

Sample Inventory (Mussels)

Sample ID	Time	Wet Weight
SW28_061511	1325	158.5
SW31_061511	1450	71.2
KB04_061511	1530	102.4
SW102_061511	1630	179.2
DUP1_061511 (Dup @ SW-102)		176.1

S. Lillyhub 6/15/11

Location Adak Date 6/16/11

Project / Client 2011 Marine

S. Lillyhite

Weather: 45-50° drizzle, high surf, breezy
Crew: Lillyhite, Johnston
Activity: Collect KB-05, Recon KB-03

0900 Daily Safety and OPs meeting. Rod Whitehead has checked out skiff access locations, crashing waves. Marine Forecast today is Small Craft Advisory, NE Winds 25 Knots, 10 foot seas. Rod believes in Sitkin Sound that could be about 6 foot swells. We will try more foot locations, Rod will put the Zodiac in the water and test engine. Its Engineer "Scooby" will run the skiff either Friday or Saturday.

1240 Arrive at KB-05
Lat 51.90392 +/- 64'
Long -176.61349
91' from target, unsafe at OPS

S. Lillyhite 6/16/11

Location Adak Date 6/16/11

Project / Client 2011 Marine

S. Lillyhite

location due to terrain and kelp, location chosen would be much easier access for recreational harvester.

1330 Have attempted to reach KB-03, access via NORPAC steep Area, Must climb over car size + boulders with deep chasms, Got to ≈145' and deemed too dangerous.

1345 Talk to Aaron Vernik about moving the location. He wants us to recon from the north and sample in a safer area or access via skiff (2nd choice) Verbal OK for an FCR

1355 Recon KB-03 area from bluff access from north good, beach and smaller boulders, looks good.

1400 Check KB-01 too dangerous stand.

1700 Cancelled flight. Aaron Vernik and Megan Dooley running on-island

S. Lillyhite 6/16/11

Location Adak Date 6/17/11

Project / Client 2011 Marine

S. Lillyquist

Weather: 45-50° fog, breezy
Crew: Lillyquist, Johnson
Activity: Collect Mussels at KB-01, KB-02, KB-03

0930 Weather Report today
North wind 25 Knots, 8' Seas,
Fog (day) North wind 20 Knots,
7' Seas, Fog (tonight)
1000 Safety and OPS meeting
1050 Dwight leaves a message with Annette Frazer regarding moving KB-03
1100 Head to KB-01 to ✓ water level
still a little high
1115 Arrive to walk to KB-03 from the northern side and choose a good alternate location
1130 Arrive at KBALT-03
Lat 51.87933 +/- 44'
Long -176.62791
297' South of KB-03 Great Site
S. Lillyquist 6/17/11

Location Adak Date 6/17/11

Project / Client 2011 Marine

S. Lillyquist

location, Megan Dooley joins us at this location
1205 Arrive at KBALT02
Lat 51.86734 +/- 16'
Long -176.62660
Megan Dooley preferred we sample this over KB02 for consistency, small mussels
1240 KB-01
Lat 51.86335 +/- 13'
Long -176.62958
Small to very small mussels have, collected as many as we could
some likely < 35 mm
1400 At Small Boat Harbor to talk to Ben about ride out to boat location using a Boston Whaler, Ben not there. Talked to PJ who said they talked about it today in their Safety Meeting
S. Lillyquist 6/17/11

Location Adak Date 6/18/11

Project / Client 2011 Marine

E. Lillyhole

Weather: 50-55° Cloudy patches of blue sky, calm

Crew: Lillyhole, Johnson

Activity: Sample Collection KB-05, KB-01, KBALT03, KBALT02, SW-25, SW26/27

0800 Weather today:
NW winds 20 knots 6' seas, fog
diminishing to 15 knots 5' seas, fog

0810 Talk to Orion from Derby crew,
we will meet at 1345 to head
to boat across cross

0830 Safety and OPS meeting

0900 Start Processing Mussels, Aaron Vernik
and Meghan Dooley observing

1350 At small Boat Harbor to get
rub out to remote mussel location

1420 SW-25 Few Mussels
Lat 51.85445 +/- 31'
Long -176.62927

1439 SW-26
Lat 51.85339 +/- 15'
Long -176.64055
Lots of Mussels

E. Lillyhole 6/18/11

Location Adak Date 6/18/11

Project / Client 2011 Marine

E. Lillyhole

Sample Inventory

Sample ID	Time	Wet Weight
KB05_061811	0900	51.9
KB01_061811	0945	51.4
KBALT03_061811	1050	85.0
KBALT02_061811	1135	52.3
SW25_061811	1530	53.0
SW26/27_061811	1600	68.1

E. Lillyhole 6/18/11

Location Adak Date 6/18/11

Project / Client 2011 Mussel

S. Lilly

1449 SW-27
Lat 51.85101
Long -176.64178
Lots of many sizes of mussels
1500 Back at the Small Boat Harbor
to finish mussel collection
1530 Resecting final mussel samples
1700 Finished Mussel sampling Samples
to be sent via Alaska Airlines
Goldstreak # 8068 2980

S. Lilly
6/18/11

Location Date

Project / Client

ATTACHMENT

COPY OF CHAIN-OF-CUSTODY FORMS FOR SAMPLE SHIPPING

URS/Seakiska
Chain of Custody

URS Corporation
1501 4th Avenue, Suite 1400
Seattle, WA 98101-1616
206.438.2700

Contact: Annette Franzen Seakiska
Phone No. (206) 440-7675

Installation ID: Adak
Job No.: DO 0032
Site ID: Sweeper Cove
Zone ID: —
Sampling Co.: URS/Seakiska
Airbill Co./Number: Gold Streak 8068 2980
Shipping Date: 6/19/11

Sample Number	Sample Collection Date (mm/dd/yy)	Sample Collection Time (24 Hr.)	Matrix Type	Sample Type	Pb3 Compos 1668A	LIPIDS	Moisture Content	Remarks
SW1_061411	06/14/11	1019	TI	ES	✓	✓	✓	
SW2_061411		1050	TI	ES	✓	✓	✓	
SW3_061411		1150	TI	ES	✓	✓	✓	
SW4_061411		1220	TI	ES	✓	✓	✓	
SW5_061411		1250	TI	ES	✓	✓	✓	
SW6_061411		1315	TI	ES	✓	✓	✓	
SW28_061511	06/15/11	1325	TI	ES	✓	✓	✓	
SW31_061511		1450	TI	ES	✓	✓	✓	
SW102_061511		1630	TI	ES	✓	✓	✓	
Dup1_061511		—	TI	ES	✓	✓	✓	

Analytical Methods

NUMBER OF BOTTLES PER ANALYTIACAL METHODS

Indicate Any Condition That Would Affect Sample Analysis

Indicate Samples Containing Quantities for MS/MSD Analysis

Preservation: A = HCL to pH < 2; B = HNO_3 to pH < 2; C = H_2SO_4 to pH < 2; D = NaOH to pH < 12; E = Other (specify)

Relinquished by Sampler: (Signature)	Date	Time	Received by: (Signature)	Laboratory Name:
[signature]	6/19/11	1500		Test America W. Sacramento
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Laboratory Contract No.:**
				PO-00624F
Relinquished by: (Signature)	**Date**	**Time**	**Received by Lab: (Signature)**	**Samples Disposed by:** / **Date** / **Time**

Matrix Types: A - Air; PR - Product; SD - Sediment; SL - Soil; TI - Tissue WR - Water

Distribution: White = Accompanies Shipment; Canary = Lab Copy; Pink = Field Copy; Goldenrod = URS Sample Control Copy

Sample Types Types: ER - Equipment Rinsate; ES - Environmental Sample; FB - Field Blank; TB - Trip Blank

2-27-02

URS/Seataska
Chain of Custody

URS Corporation
1501 4th Avenue, Suite 1400
Seattle, WA 98101-1616
206.438.2700

Contact: Annette Franzen Seataska
Phone No.: (206) 940-7675

Installation ID: Adak
Job No.: DO 0032
Site ID: Kulak Bay
Zone ID: –
Sampling Co.: URS/Seataska
Airbill Co./Number: Gold Streak 8068 2980
Shipping Date: 6/19/11

NUMBER OF BOTTLES PER ANALYTIACAL METHODS

Sample Number	Sample Collection Date (mm/dd/yy)	Sample Collection Time (24 Hr.)	Matrix Type	Sample Type	PCB Congeners 1668A	LTTS DS	Moisture Content	Remarks
KB1_061411	06/14/11	1445	TI	ES	✓	✓	✓	
KB2_061411		1502	TI	ES	✓	✓	✓	
KB3_061411		1526	TI	ES	✓	✓	✓	
KB4_061411		1548	TI	ES	✓	✓	✓	
KB5_061411		1606	TI	ES	✓	✓	✓	
KB04_061511	06/15/11	1530	TI	ES	✓	✓	✓	
KB05_061811	06/18/11	0900	TI	ES	✓	✓	✓	
KB01_061811	06/18/11	0945	TI	ES	✓	✓	✓	
KBALT03_061811	06/18/11	1050	TI	ES	✓	✓	✓	
KBALT02_061811	06/18/11	1135	TI	ES	✓	✓	✓	

Indicate Any Condition That Would Affect Sample Analysis

Indicate Samples Containing Quantities for MS/MSD Analysis

Preservation: **A** = HCL to pH < 2; **B** = HNO_3 to pH < 2; **C** = H_2SO_4 to pH < 2; **D** = NaOH to pH < 12; **E** = Other (specify)

Relinquished by Sampler: *(Signature)*	Date	Time	Received by: *(Signature)*	Laboratory Name:
[signature]	6/19/11	1500		Test America, W. Sacramento
Relinquished by: *(Signature)*	**Date**	**Time**	**Received by:** *(Signature)*	**Laboratory Contract No.:**
				PO-00624F
Relinquished by: *(Signature)*	**Date**	**Time**	**Received by Lab:** *(Signature)*	**Samples Disposed by:** / **Date** / **Time**

Matrix Types: **A** - Air; **PR** - Product; **SD** - Sediment; **SL** - Soil; **TI** - Tissue **WR** - Water

Distribution: **White** = Accompanies Shipment; **Canary** = Lab Copy; **Pink** = Field Copy; **Goldenrod** = URS Sample Control Copy

Sample Types Types: **ER** - Equipment Rinsate; **ES** - Environmental Sample; **FB** - Field Blank; **TB** - Trip Blank

2-27-02

URS / Sealaska
Chain of Custody

URS Corporation
1501 4th Avenue, Suite 1400
Seattle, WA 98101-1616
206.438.2700

Contact: Arnette Franzen Sealaska
Phone No.: (206) 940-7675

Installation ID: Adak
Job No.: DO 0032
Site ID: Sweeper Cove
Zone ID: –
Sampling Co.: URS/Sealaska
Airbill Co./Number: Gold Streak 8068 2980
Shipping Date: 6/19/11

Sample Number	Sample Collection Date (mm/dd/yy)	Sample Collection Time (24 Hr.)	Matrix Type	Sample Type	PCB Congeners 1668A	Lipids	Moisture Content	Remarks
SW25_061811	06/18/11	1530	TI	ES	✓	✓	✓	
SW26/27_061811	06/18/11	1600	TI	ES	✓	✓	✓	

Analytical Methods — NUMBER OF BOTTLES PER ANALYTIACAL METHODS

Indicate Any Condition That Would Affect Sample Analysis

Indicate Samples Containing Quantities for MS/MSD Analysis

Preservation: **A** = HCL to pH < 2; **B** = HNO_3 to pH < 2; **C** = H_2SO_4 to pH < 2; **D** = NaOH to pH < 12; **E** = Other (specify)

Relinquished by Sampler: *(Signature)*	Date	Time	Received by: *(Signature)*	Laboratory Name:
[signature]	6/19/11	1500		Test America, W. Sacramento
Relinquished by: *(Signature)*	**Date**	**Time**	**Received by:** *(Signature)*	**Laboratory Contract No.:** PO-00624F
Relinquished by: *(Signature)*	**Date**	**Time**	**Received by Lab:** *(Signature)*	**Samples Disposed by:** / **Date** / **Time**

Matrix Types: **A** - Air; **PR** - Product; **SD** - Sediment; **SL** - Soil; **TI** - Tissue **WR** - Water

Distribution: **White** = Accompanies Shipment; **Canary** = Lab Copy; **Pink** = Field Copy; **Goldenrod** = URS Sample Control Copy

Sample Types Types: **ER** - Equipment Rinsate; **ES** - Environmental Sample; **FB** - Field Blank; **TB** - Trip Blank

2-27-02

ATTACHMENT

SAMPLE DEVIATION FORM

SAMPLING DEVIATION FORM

Project Name:	2011 Marine Monitoring	Contract No.:	N44255-09-D-4005
Location:	Former Naval Complex, Adak, Alaska	Task No.:	032
Site Name:	Kuluk Bay	Location.:	KB-03
Inspector(s):	Eric Lillywhite, Dwight Johnson	Date/Time:	06/17/11, 1130
Company:	Sealaska Environmental Services, LLC, URS		
Weather/Temperature:	Drizzle, fog, breezy, 45° to 50° F		

Material to Be Sampled:
Blue Mussel

Measurement Parameter:
PCBs

Standard Procedure for Field Collection and Laboratory Analysis (cite references):
Final Comprehensive Monitoring Plan, Revision 4, Appendix C

Reason for Change in Field Procedure or Analytical Variation:
It was determined that the sampling location KB-03 is not safe for sample collection. Field staff would have to climb down slippery boulders along the shoreline to access the location where the blue mussels are present along the water line. Aaron Vernik (Navy RPM) agreed that this sampling location is too dangerous to access and an alternate location would be safer.

Variation From Field or Analytical Procedure:
The closest, accessible and safe sampling location was approximately 250 feet to the north and was selected as an alternate sampling location KBALT-03. Coordinates of this location are Latitude 51.87933 Longitude -176.62791.

Special Equipment, Materials, or Personnel Required:
No additional equipment, material, or personnel required

Initiator's Name:	Tom Abbott, URS PM Tom Abbott	Date:	June 20, 2011
NAVFAC NW RPM:	Aaron Vernik Aaron S. Vernik	Date:	9/29/11
Project Manager:	Annette Franzen	Date:	6-22-11
QA Officer/Reviewer:	Sherri Wunderlich Sherri L Wunderlich	Date	

SAMPLING DEVIATION FORM

Project Name:	2011 Marine Monitoring	Contract No.:	N44255-09-D-4005
Location:	Former Naval Complex, Adak, Alaska	Task No.:	032
Site Name:	Kuluk Bay	Location:	KB-05
Inspector(s):	Eric Lillywhite, Dwight Johnson	Date/Time:	06/16/11, 1240
Company:	Sealaska Environmental Services, LLC, URS		
Weather/Temperature:	Drizzle, high surf, breezy, 45° to 50° F		

Material to Be Sampled:
Blue Mussel

Measurement Parameter:
PCBs

Standard Procedure for Field Collection and Laboratory Analysis (cite references):
Final Comprehensive Monitoring Plan, Revision 4, Appendix C

Reason for Change in Field Procedure or Analytical Variation:
Because the center of sampling location KB-05 was too dangerous to access due to terrain and kelp, blue mussels were collected in the same general, but at a safer location approximately 91 feet away.

Variation From Field or Analytical Procedure:
Samples at location KB-05 were collected 91 feet from the historical sampling location. The adjusted center of the sampling location is at coordinates: Latitude 51.90392 Longitude -176.61349

Special Equipment, Materials, or Personnel Required:
No additional equipment, material, or personnel required

Initiator's Name:	Tom Abbott, URS PM Tom Abbott	Date:	June 20, 2011
NAVFAC NW RPM:	Aaron Vernik Aaron S. Vernik	Date:	7/29/11
Project Manager:	Annette Franzen	Date:	6-22-11
QA Officer/Reviewer:	Sherri Wunderlich Sherri L Wunderlich	Date	

ATTACHMENT

PHOTOGRAPH LOG

Photograph 1. Removing the catch from the trawl net during the rock sole sampling

Photograph 2. Dumping out contents of the trawl net during rock sole sampling

Photograph 3. Navigation mapping system display on board the fishing vessel

Photograph 4. Looking south at mussel sampling site KB-01

Photograph 5. Looking north towards mussel sampling location KB-03

Photograph 6. View at new mussel sampling location KBALT-03

Photograph 7. Looking northeast at mussel sampling location KBALT-02

Photograph 8. Preparing to process tissue samples to send to laboratory

ATTACHMENT

DATA VALIDATION PACKAGE PART 1

Laboratory Data Consultants, Inc.

7750 El Camino Real, Ste. 2L Carlsbad, CA 92009

Phone 760.634.0437 **Web** www.lab-data.com **Fax** 760.634.0439

Sealaska Environmental Services
PO BOX 869
Marine Science Center, 2nd Floor
18743 Front Street NE
Poulsbo, WA 98370
ATTN: Ms. Sherri Wunderlich

September 6, 2011

SUBJECT: ADAK LTM 2011, Data Validation

Dear Ms. Wunderlich,

Enclosed are the final validation reports for the fractions listed below with form 1s. This SDG was received on July 28, 2011. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 25937:

SDG #	**Fraction**
G1F200419	Polychlorinated Biphenyls as Congeners, Wet Chemistry

The data validation was performed under EPA Level IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, October 2004
- EPA Region 10 SOP for the Validation of Method 1668 Toxic, Dioxin Like PCB Data, December 1995

Please feel free to contact us if you have any questions.

Sincerely,

Erlinda T. Rauto
Operations Manager/Senior Chemist

V:\LOGIN\Sealaska\Adak\25937COV.wpd

Attachment 1

Level IV

LDC #25937 (Sealaska-Poulsbo, WA / Adak LTM 2011)

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCB Cong (1668A)		% Lipids (8290)		& Moist (D2216)																																	
Matrix:	Water/Tissue			W	T	W	T	W	T	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	G1F200419	07/28/11	08/18/11	0	23	0	22	0	22																																
Total	A/LR			0	0	0	22	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44

Shaded cells indicate Level IV validation (all other cells are Level III validation). These sample counts do not inclute MS/MSD, and DUPs

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Adak LTM 2011

Collection Date: June 14 through June 20, 2011

LDC Report Date: August 10, 2011

Matrix: Tissue

Parameters: Polychlorinated Biphenyls as Congeners

Validation Level: EPA Level IV

Laboratory: TestAmerica, Inc.

Sample Delivery Group (SDG): G1F200419

SW1_061411
SW2_061411
SW2_061411DL
SW3_061411
SW3_061411DL
SW4_061411
SW4_061411DL
SW5_061411
SW6_061411
SW6_061411DL
SW28_061511
SW28_061511DL
SW31_061511
SW102_061511
DUP1-061511
KB1_061411
KB2_061411
KB3_061411
KB3_061411DL
KB4_061411
KB5_061411
KB5_061411DL
KB04_061511
KB05_061811
KB01_061811
KBALT03_061811
KBALT02_061811
SW25_061811
SW25_061811DL
SW26/27_061811
Rinse`Blank

Introduction

This data review covers 31 tissue samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 1668A for Polychlorinated Biphenyl as Congeners.

This review follows EPA Region 10 SOP for the Validation of Method 1668 Toxic, Dioxin Like PCB Data (December 1995).

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. HRGC/HRMS Instrument Performance Check

Instrument performance was checked at the required daily frequency.

Retention time windows were established for all congeners. The chromatographic resolution between the congeners PCB-23 and PCB-34 and congeners PCB-182 and PCB-187 was resolved with a valley of less than or equal to 40%.

The static resolving power was at least 10,000 (10% valley definition).

III. Initial Calibration

A five point initial calibration was performed as required by the method.

Percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

The ion abundance ratios for all PCBs were within method criteria.

The minimum S/N ratio was greater than or equal to 10 for each unlabeled compound and labeled compound.

IV. Routine Calibration (Continuing)

Routine calibration was performed at the required frequencies.

All of the routine calibration percent differences (%D) between the initial calibration RRF and the routine calibration RRF were less than or equal to 30.0% for unlabeled compounds and less than or equal to 50.0% for labeled compounds.

The ion abundance ratios for all PCBs were within method criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polychlorinated biphenyl as congener contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound	Concentration	Associated Samples
1180072MB	6/29/11	PCB-11	2.8 pg/g	SW1_061411
		PCB-16	0.33 pg/g	SW2_061411
		PCB-17	0.35 pg/g	SW2_061411DL
		PCB-18/30	0.75 pg/g	SW3_061411
		PCB-19	0.42 pg/g	SW3_061411DL
		PCB-20/28	1.2 pg/g	SW5_061411
		PCB-21/33	0.33 pg/g	SW6_061411
		PCB-22	0.46 pg/g	SW6_061411DL
		PCB-31	1.4 pg/g	SW28_061511
		PCB-32	0.31 pg/g	SW28_061511DL
		PCB-37	0.20 pg/g	SW31_061511
		PCB-40/71	0.51 pg/g	SW102_061511
		PCB-44/47/65	1.7 pg/g	DUP1-061511
		PCB-49/69	0.72 pg/g	KB1_061411
		PCB-52	1.5 pg/g	KB2_061411
		PCB-61/70/76/74	1.3 pg/g	KB3_061411
		PCB-64	0.46 pg/g	KB3_061411DL
		PCB-66	0.67 pg/g	KB4_061411
		PCB-90/101/113	0.68 pg/g	KB5_061411
		PCB-129/138/163	0.27 pg/g	KB5_061411DL
		PCB-153/168	0.33 pg/g	KB04_061511
		PCB-209	0.21 pg/g	KB05_061811
				KB01_061811
				KBALT03_061811
				KBALT02_061811
1192101MB	7/11/11	PCB-11	4.3 pg/g	SW4_061411
		PCB-16	1.4 pg/g	SW4_061411DL
		PCB-17	1.7 pg/g	SW25_061811
		PCB-18/30	0.91 pg/g	SW25_061811DL
		PCB-20/28	4.3 pg/g	SW26/27_061811
		PCB-21/33	1.1 pg/g	
		PCB-22	1.6 pg/g	
		PCB-26/29	0.50 pg/g	
		PCB-31	4.3 pg/g	
		PCB-32	1.7 pg/g	
		PCB-37	0.87 pg/g	
		PCB-40/71	2.5 pg/g	
		PCB-42	1.4 pg/g	
		PCB-44/47/65	7.2 pg/g	
		PCB-45/51	2.0 pg/g	
		PCB-48	1.1 pg/g	
		PCB-49/69	3.5 pg/g	
		PCB-50/53	2.1 pg/g	
		PCB-52	7.8 pg/g	
		PCB-56	0.60 pg/g	
		PCB-61/70/76/74	4.9 pg/g	
		PCB-64	2.3 pg/g	
		PCB-66	1.8 pg/g	
		PCB-85/116/117	1.4 pg/g	
		PCB-90/101/113	1.3 pg/g	
		PCB-95	1.7 pg/g	
		PCB-118	0.92 pg/g	
		PCB-129/138/163	0.81 pg/g	
		PCB-147/149	0.57 pg/g	
		PCB-153/168	0.57 pg/g	

Method Blank ID	Extraction Date	Compound	Concentration	Associated Samples
1194174MB	7/11/11	PCB-11	4.3 pg/g	Rinse Blank
		PCB-129/138/163	0.81 pg/g	
		PCB-147/149	0.57 pg/g	
		PCB-153/168	0.57 pg/g	
		PCB-118	0.92 pg/g	
		PCB-85/116/117	1.4 pg/g	
		PCB-90/101/113	1.3 pg/g	
		PCB-95	1.7 pg/g	
		PCB-42	1.4 pg/g	
		PCB-40/71	2.5 pg/g	
		PCB-44/47/65	7.2 pg/g	
		PCB-45/51	2.0 pg/g	
		PCB-49/69	3.5 pg/g	
		PCB-48	1.1 pg/g	
		PCB-50/53	2.1 pg/g	
		PCB-52	7.8 pg/g	
		PCB-56	0.60 pg/g	
		PCB-61/70/76/74	4.9 pg/g	
		PCB-64	2.3 pg/g	
		PCB-66	1.8 pg/g	
		PCB-16	1.4 pg/g	
		PCB-17	1.7 pg/g	
		PCB-18/30	0.91 pg/g	
		PCB-20/28	4.3 pg/g	
		PCB-22	1.6 pg/g	
		PCB-21/33	1.1 pg/g	
		PCB-26/29	0.50 pg/g	
		PCB-31	4.3 pg/g	
		PCB-32	1.7 pg/g	
		PCB-37	0.87 pg/g	

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
SW1_061411	PCB-18/30	2.4 pg/g	2.4U pg/g
SW2_061411	PCB-11	8.7 pg/g	8.7U pg/g
	PCB-16	0.49 pg/g	0.49U pg/g
	PCB-17	0.63 pg/g	0.63U pg/g
	PCB-18/30	1.4 pg/g	1.4U pg/g
	PCB-21/33	0.79 pg/g	0.79U pg/g
	PCB-22	1.6 pg/g	1.6U pg/g
	PCB-31	4.4 pg/g	4.4U pg/g
	PCB-32	0.70 pg/g	0.70U pg/g
	PCB-37	0.29 pg/g	0.29U pg/g
SW2_061411DL	PCB-31	4.0 pg/g	4.0U pg/g

Sample	Compound	Reported Concentration	Modified Final Concentration
SW3_061411	PCB-11	7.9 pg/g	7.9U pg/g
	PCB-16	0.44 pg/g	0.44U pg/g
	PCB-17	0.70 pg/g	0.70U pg/g
	PCB-18/30	1.2 pg/g	1.2U pg/g
	PCB-21/33	0.77 pg/g	0.77U pg/g
	PCB-22	1.3 pg/g	1.3U pg/g
	PCB-31	5.7 pg/g	5.7U pg/g
	PCB-32	0.59 pg/g	0.59U pg/g
	PCB-40/71	1.9 pg/g	1.9U pg/g
SW3_061411DL	PCB-31	3.5 pg/g	3.5U pg/g
SW4_061411	PCB-11	6.3 pg/g	6.3U pg/g
	PCB-17	1.1 pg/g	1.1U pg/g
	PCB-18/30	1.4 pg/g	1.4U pg/g
	PCB-20/28	15 pg/g	15U pg/g
	PCB-21/33	0.92 pg/g	0.92U pg/g
	PCB-22	2.1 pg/g	2.1U pg/g
	PCB-26/29	1.5 pg/g	1.5U pg/g
	PCB-31	5.3 pg/g	5.3U pg/g
	PCB-32	0.93 pg/g	0.93U pg/g
	PCB-40/71	4.3 pg/g	4.3U pg/g
	PCB-42	3.4 pg/g	3.4U pg/g
	PCB-48	1.7 pg/g	1.7U pg/g
	PCB-50/53	1.3 pg/g	1.3U pg/g
SW4_061411DL	PCB-20/28	16 pg/g	16U pg/g
	PCB-31	6.0 pg/g	6.0U pg/g
	PCB-40/71	3.6 pg/g	3.6U pg/g
	PCB-44/47/65	34 pg/g	34U pg/g
SW5_061411	PCB-18/30	2.8 pg/g	2.8U pg/g
	PCB-31	4.0 pg/g	4.0U pg/g
SW6_061411	PCB-18/30	1.8 pg/g	1.8U pg/g
SW6_061411DL	PCB-31	5.4 pg/g	5.4U pg/g
SW31_061511	PCB-18/30	2.8 pg/g	2.8U pg/g
KB1_061411	PCB-11	4.7 pg/g	4.7U pg/g
	PCB-16	0.38 pg/g	0.38U pg/g
	PCB-17	0.51 pg/g	0.51U pg/g
	PCB-18/30	1.0 pg/g	1.0U pg/g
	PCB-21/33	0.67 pg/g	0.67U pg/g
	PCB-22	2.3 pg/g	2.3U pg/g
	PCB-31	4.7 pg/g	4.7U pg/g
	PCB-32	0.24 pg/g	0.24U pg/g
	PCB-37	0.42 pg/g	0.42U pg/g
	PCB-40/71	0.63 pg/g	0.63U pg/g

Sample	Compound	Reported Concentration	Modified Final Concentration
KB3_061411	PCB-11	4.2 pg/g	4.2U pg/g
	PCB-17	0.41 pg/g	0.41U pg/g
	PCB-18/30	1.1 pg/g	1.1U pg/g
	PCB-21/33	0.56 pg/g	0.56U pg/g
	PCB-22	1.5 pg/g	1.5U pg/g
	PCB-31	4.8 pg/g	4.8U pg/g
	PCB-32	0.35 pg/g	0.35U pg/g
	PCB-37	0.27 pg/g	0.27U pg/g
	PCB-40/71	0.90 pg/g	0.90U pg/g
KB3_061411DL	PCB-31	4.4 pg/g	4.4U pg/g
KB4_061411	PCB-31	6.3 pg/g	6.3U pg/g
KB5_061411	PCB-11	5.4 pg/g	5.4U pg/g
	PCB-17	0.42 pg/g	0.42U pg/g
	PCB-18/30	1.2 pg/g	1.2U pg/g
	PCB-19	0.65 pg/g	0.65U pg/g
	PCB-21/33	0.75 pg/g	0.75U pg/g
	PCB-31	6.6 pg/g	6.6U pg/g
	PCB-32	0.39 pg/g	0.39U pg/g
	PCB-37	0.31 pg/g	0.31U pg/g
	PCB-40/71	1.0 pg/g	1.0U pg/g
KB5_061411DL	PCB-31	5.6 pg/g	5.6U pg/g
KB05_061811	PCB-18/30	2.9 pg/g	2.9U pg/g
	PCB-31	4.3 pg/g	4.3U pg/g
KB01_061811	PCB-18/30	3.5 pg/g	3.5U pg/g
	PCB-31	4.3 pg/g	4.3U pg/g
	PCB-32	1.5 pg/g	1.5U pg/g
SW25_061811	PCB-11	11 pg/g	11U pg/g
	PCB-16	1.8 pg/g	1.8U pg/g
	PCB-17	1.4 pg/g	1.4U pg/g
	PCB-18/30	2.7 pg/g	2.7U pg/g
	PCB-20/28	9.1 pg/g	9.1U pg/g
	PCB-21/33	2.9 pg/g	2.9U pg/g
	PCB-22	2.3 pg/g	2.3U pg/g
	PCB-26/29	1.5 pg/g	1.5U pg/g
	PCB-31	7.5 pg/g	7.5U pg/g
	PCB-32	1.0 pg/g	1.0U pg/g
	PCB-37	1.5 pg/g	1.5U pg/g
	PCB-40/71	6.6 pg/g	6.6U pg/g
	PCB-42	3.3 pg/g	3.3U pg/g
	PCB-44/47/65	20 pg/g	20U pg/g
	PCB-48	2.6 pg/g	2.6U pg/g
	PCB-49/69	13 pg/g	13U pg/g
	PCB-50/53	1.4 pg/g	1.4U pg/g
	PCB-64	4.7 pg/g	4.7U pg/g
SW25_061811DL	PCB-20/28	7.4 pg/g	7.4U pg/g
	PCB-31	4.8 pg/g	4.8U pg/g
	PCB-40/71	7.4 pg/g	7.4U pg/g
	PCB-44/47/65	19 pg/g	19U pg/g
	PCB-49/69	12 pg/g	12U pg/g
	PCB-64	4.9 pg/g	4.9U pg/g

Sample	Compound	Reported Concentration	Modified Final Concentration
SW26/27_061811	PCB-18/30	3.9 pg/g	3.9U pg/g
	PCB-20/28	8.4 pg/g	8.4U pg/g
	PCB-21/33	3.6 pg/g	3.6U pg/g
	PCB-31	3.8 pg/g	3.8U pg/g
	PCB-40/71	12 pg/g	12U pg/g
	PCB-44/47/65	28 pg/g	28U pg/g
	PCB-48	4.6 pg/g	4.6U pg/g
	PCB-64	7.0 pg/g	7.0U pg/g
Rinse Blank	PCB-11	1.9 pg/g	1.9U pg/g
	PCB-129/138/163	0.26 pg/g	0.26U pg/g
	PCB-147/149	0.30 pg/g	0.30U pg/g
	PCB-153/168	0.13 pg/g	0.13U pg/g
	PCB-118	0.20 pg/g	0.20U pg/g
	PCB-85/116/117	0.40 pg/g	0.40U pg/g
	PCB-90/101/113	0.46 pg/g	0.46U pg/g
	PCB-95	0.31 pg/g	0.31U pg/g
	PCB-44/47/65	0.84 pg/g	0.84U pg/g
	PCB-52	0.48 pg/g	0.48U pg/g
	PCB-61/70/76/74	0.41 pg/g	0.41U pg/g
	PCB-66	0.31 pg/g	0.31U pg/g
	PCB-20/28	0.42 pg/g	0.42U pg/g
	PCB-22	0.20 pg/g	0.20U pg/g
	PCB-21/33	0.21 pg/g	0.21U pg/g
	PCB-31	0.41 pg/g	0.41U pg/g

Sample "Rinse Blank" was identified as a rinsate blank. No polychlorinated biphenyls as congener contaminants were found with the following exceptions:

Rinsate Blank ID	Sampling Date	Compound	Concentration	Associated Samples
Rinse Blank	6/20/11	PCB-11 PCB-20/28 PCB-21/33 PCB-22 PCB-31 PCB-44/47/65 PCB-52 PCB-61/70/76/74 PCB-66 PCB-85/116/117 PCB-90/101/113 PCB-95 PCB-117 PCB-118 PCB-129/138/163 PCB-147/149 PCB-153/168	1.9 pg/g 0.42 pg/g 0.21 pg/g 0.20 pg/g 0.41 pg/g 0.84 pg/g 0.48 pg/g 0.41 pg/g 0.31 pg/g 0.40 pg/g 0.46 pg/g 0.31 pg/g 0.40 pg/g 0.20 pg/g 0.26 pg/g 0.30 pg/g 0.13 pg/g	SW1_061411 SW2_061411 SW2_061411DL SW3_061411 SW3_061411DL SW4_061411 SW4_061411DL SW5_061411 SW6_061411 SW6_061411DL SW28_061511 SW28_061511DL SW31_061511 SW102_061511 DUP1-061511 KB1_061411 KB2_061411 KB3_061411 KB3_061411DL KB4_061411 KB5_061411 KB5_061411DL KB04_061511 KB05_061811 KB01_061811 KBALT03_061811 KBALT02_061811 SW25_061811 SW25_061811DL SW26/27_061811

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
SW2_061411	PCB-11 PCB-21/33	8.7 pg/g 0.79 pg/g	8.7U pg/g 0.79U pg/g
SW3_061411	PCB-11 PCB-21/33	7.9 pg/g 0.77 pg/g	7.9U pg/g 0.77U pg/g
SW4_061411	PCB-11 PCB-21/33	6.3 pg/g 0.92 pg/g	6.3U pg/g 0.92U pg/g
KB1_061411	PCB-11 PCB-21/33	4.7 pg/g 0.67 pg/g	4.7U pg/g 0.67U pg/g
KB3_061411	PCB-11 PCB-21/33	4.2 pg/g 0.56 pg/g	4.2U pg/g 0.56U pg/g
KB5_061411	PCB-11 PCB-21/33	5.4 pg/g 0.75 pg/g	5.4U pg/g 0.75U pg/g

VI. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

VIII. Regional Quality Assurance and Quality Control

Not applicable.

IX. Internal Standards

All internal standard recoveries (%R) were within validation criteria with the following exceptions:

Sample	Internal Standards	%R (Limits)	Compound	Flag	A or P
1192101MB	^{13}C-PCB-54	17 (25-150)	PCB-50 to PCB-76 PCB-78 to PCB-80	J (all detects) UJ (all non-detects)	P
1194174MB	^{13}C-PCB-54	17 (25-150)	PCB-50 to PCB-76 PCB-78 to PCB-80	J (all detects) UJ (all non-detects)	P

Sample	Internal Standards	%R (Limits)	Compound	Flag	A or P
SW25_061811	^{13}C -PCB-188 ^{13}C -PCB-189 ^{13}C -PCB-202 ^{13}C -PCB-208	207 (25-150) 171 (25-150) 203 (25-150) 171 (25-150)	PCB-170 PCB-171/173 PCB-172 PCB-174 PCB-175 PCB-176 PCB-177 PCB-178 PCB-179 PCB-180/193 PCB-181 PCB-182 PCB-183 PCB-184 PCB-185 PCB-186 PCB-187 PCB-188 PCB-189 PCB-190 PCB-191 PCB-192 PCB-194 PCB-195 PCB-196 PCB-197 PCB-198/199 PCB-200 PCB-201 PCB-202 PCB-203 PCB-204 PCB-207 PCB-208	J (all detects) UJ (all non-detects)	P

X. Target Compound Identifications

All target compounds met the identification criteria.

XI. Compound Quantitation and RLs

All compound quantitation and RLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
SW2_061411	PCB-129/138/163 PCB-135/151 PCB-153/168 PCB-170 PCB-180/193 PCB-183 PCB-187	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A
SW3_061411	PCB-129/138/163 PCB-153/168 PCB-180/193 PCB-187	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects)	A

Sample	Compound	Finding	Criteria	Flag	A or P
SW4_061411	PCB-129/138/163 PCB-135/151 PCB-153/168 PCB-170 PCB-180/193 PCB-187	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A
SW6_061411	PCB-153/168	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A
SW28_061511	PCB-129/138/163 PCB-147/149 PCB-153/168	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects)	A
KB3_061411	PCB-129/138/163 PCB-153/168 PCB-170 PCB-180/193 PCB-187	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A

Sample	Compound	Flag	A or P
All samples in SDG G1F200419	All compounds reported by the lab as estimated maximum possible concentration (EMPC)	U	A

Sample	Compound	Finding	Flag	A or P
SW28_061511DL	PCB-85/116/117 and PCB-110/115	The PCB Congeners were not adequately separated. Reported results maybe biased high or low.	J (all detects) J (all detects)	A

Sample	Compound	Finding	Flag	A or P
SW1_061411 SW2_061411 SW2_061411DL SW3_061411 SW3_061411DL SW4_061411 SW4_061411DL SW5_061411 SW6_061411 SW6_061411DL SW28_061511 SW28_061511DL SW31_061511 SW102_061511 DUP1-061511 KB1_061411 KB2_061411 KB3_061411 KB3_061411DL KB4_061411 KB5_061411 KB5_061411DL KB04_061511 KB05_061811 KB01_061811 KBALT03_061811 KBALT02_061811 SW25_061811 SW25_061811DL SW26/27_061811	PCB-83 and PCB-99 PCB-183 and PCB-185	The PCB Congeners were not adequately separated. Reported results maybe biased high or low.	J (all detects) J (all detects) J (all detects) J (all detects)	A

XII. System Performance

The system performance was acceptable.

XIII. Overall Assessment of Data

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
SW2_061411	PCB-129/138/163 PCB-135/151 PCB-153/168 PCB-170 PCB-180/193 PCB-183 PCB-187	R R R R R R R	A

Sample	Compound	Flag	A or P
SW2_061411DL	All TCL compounds except PCB-129/138/163 PCB-135/151 PCB-153/168 PCB-170 PCB-180/193 PCB-183 PCB-187	R	A
SW3_061411	PCB-129/138/163 PCB-153/168 PCB-180/193 PCB-187	R R R R	A
SW3_061411DL	All TCL compounds except PCB-129/138/163 PCB-153/168 PCB-180/193 PCB-187	R	A
SW4_061411	PCB-129/138/163 PCB-135/151 PCB-153/168 PCB-170 PCB-180/193 PCB-187	R R R R R R	A
SW4_061411DL	All TCL compounds except PCB-129/138/163 PCB-135/151 PCB-153/168 PCB-170 PCB-180/193 PCB-187	R	A
SW6_061411	PCB-153/168	R	A
SW6_061411DL	All TCL compounds except PCB-153/168	R	A
SW28_061511	PCB-129/138/163 PCB-147/149 PCB-153/168	R R R	A
SW28_061511DL	All TCL compounds except PCB-129/138/163 PCB-147/149 PCB-153/168	R	A
KB3_061411	PCB-129/138/163 PCB-153/168 PCB-170 PCB-180/193 PCB-187	R R R R R	A

Sample	Compound	Flag	A or P
KB3_061411DL	All TCL compounds except PCB-129/138/163 PCB-153/168 PCB-170 PCB-180/193 PCB-187	R	A
KB5_061411DL SW25_061811DL	All TCL compounds	R	A

Data flags are summarized at the end of this report if data has been qualified.

XIV. Field Duplicates

Samples SW5_061411 and SW6_061411, samples SW5_061411 and SW6_061411DL, and samples SW102_061511 and DUP1-061511 were identified as field duplicates. No polychlorinated biphenyls as congeners were detected in any of the samples with the following exceptions:

Compound	Concentration (pg/g)		RPD
	SW5_061411	SW6_061411	
PCB-18/30	2.8	1.8	43
PCB-20/28	14	24	53
PCB-26/29	2.3U	3.2	200
PCB-31	4.0	10	86
PCB-44/47/65	55	79	36
PCB-49/69	80	98	20
PCB-50/53	3.5U	2.7	200
PCB-52	280	330	16
PCB-56	5.5	2.9	62
PCB-58	7.3	2.5U	200
PCB-60	28	36	25
PCB-61/70/74/76	350	400	13

Compound	Concentration (pg/g)		RPD
	SW5_061411	SW6_061411	
PCB-63	4.3	2.4U	200
PCB-64	32	34	6
PCB-66	160	220	32
PCB-72	4.8	8.3	53
PCB-82	30	15	67
PCB-83	27	340	171
PCB-84	58	31	61
PCB-85/116/117	320	450	34
PCB-86/87/97/108/119/125	650	830	24
PCB-88/91	38	25	41
PCB-90/101/113	2100	3600	53
PCB-92	380	890	80
PCB-93/100	9.4	43	128
PCB-95	280	170	49
PCB-99	1500	2500	50
PCB-103	34	69	68
PCB-105	630	870	32
PCB-109	120	220	59
PCB-107/124	37	54	37
PCB-110/115	1100	1400	24
PCB-111	3.8U	14	200
PCB-114	50	62	21

Compound	Concentration (pg/g)		RPD
	SW5_061411	SW6_061411	
PCB-118	1800	2900	47
PCB-120	11	48	125
PCB-121	3.8U	4.7	200
PCB-123	25	31	21
PCB-128/166	690	1600	79
PCB-129/138/163	7600	17000	76
PCB-130	170	280	49
PCB-131	18	23	24
PCB-132	380	320	17
PCB-133	150	610	121
PCB-134/143	140	230	49
PCB-135/151	2000	4600	79
PCB-136	370	540	37
PCB-137	100	140	33
PCB-139/140	66	140	72
PCB-141	950	1700	57
PCB-144	220	390	56
PCB-146	990	2900	98
PCB-147/149	1300	1500	14
PCB-148	3.6U	49	200
PCB-150	2.5U	2.6	200
PCB-153/168	9200	21000	78

Compound	Concentration (pg/g)		RPD
	SW5_061411	SW6_061411	
PCB-154	130	470	113
PCB-155	3.1U	3.9	200
PCB-156/157	470	890	62
PCB-158	550	1200	74
PCB-159	3.3U	31	200
PCB-162	26	64	84
PCB-164	210	340	47
PCB-165	8.0	27	109
PCB-167	240	540	77
PCB-169	3.3U	11	200
PCB-170	2800	6900	85
PCB-171/173	1100	2500	78
PCB-172	560	1300	80
PCB-174	1000	1200	18
PCB-175	97	210	74
PCB-176	140	220	44
PCB-177	870	1300	40
PCB-178	740	1900	88
PCB-179	820	1700	70
PCB-180/193	7300	15000	69
PCB-181	7.9	4.4U	200
PCB-182	17	42	85

Compound	Concentration (pg/g)		RPD
	SW5_061411	SW6_061411	
PCB-183	1800	4000	76
PCB-184	2.5U	3.0	200
PCB-185	230	390	52
PCB-187	4100	11000	91
PCB-189	74	210	96
PCB-190	600	1500	86
PCB-191	150	340	78
PCB-194	1200	3100	88
PCB-195	530	1200	77
PCB-196	610	1300	72
PCB-197	47	110	80
PCB-198/199	1400	3100	76
PCB-200	100	180	57
PCB-201	170	380	76
PCB-202	300	680	78
PCB-203	830	1700	69
PCB-205	56	150	91
PCB-206	460	950	70
PCB-207	41	87	72
PCB-208	160	300	61
PCB-209	180	530	99

Compound	Concentration (pg/g)		RPD
	SW5_061411	SW6_061411DL	
PCB-18/30	2.8	2.9U	200
PCB-20/28	14	23	49
PCB-31	4.0	5.4	30
PCB-44/47/65	55	78	35
PCB-49/69	80	98	20
PCB-52	280	310	10
PCB-56	5.5	3.0U	200
PCB-58	7.3	2.7U	200
PCB-60	28	24	15
PCB-61/70/74/76	350	350	0
PCB-63	4.3	7.6	200
PCB-64	32	32	0
PCB-66	160	180	12
PCB-72	4.8	5.8	19
PCB-82	30	7.5U	200
PCB-83	27	460	178
PCB-84	58	26	76
PCB-85/116/117	320	410	25
PCB-86/87/97/108/119/125	650	770	17
PCB-88/91	38	23	49
PCB-90/101/113	2100	3400	47
PCB-92	380	810	72

Compound	Concentration (pg/g)		RPD
	SW5_061411	SW6_061411DL	
PCB-93/100	9.4	39	122
PCB-95	280	160	55
PCB-99	1500	2600	54
PCB-103	34	58	52
PCB-105	630	830	27
PCB-109	120	210	55
PCB-107/124	37	48	26
PCB-110/115	1100	1300	17
PCB-111	3.8U	7.8	200
PCB-114	50	41	20
PCB-118	1800	2900	47
PCB-120	11	43	119
PCB-122	4.4U	11	200
PCB-123	25	33	28
PCB-128/166	690	1800	89
PCB-129/138/163	7600	19000	86
PCB-130	170	330	64
PCB-131	18	21	15
PCB-132	380	350	8
PCB-133	150	660	126
PCB-134/143	140	260	60
PCB-135/151	2000	5000	86

Compound	Concentration (pg/g)		RPD
	SW5_061411	SW6_061411DL	
PCB-136	370	610	49
PCB-137	100	160	46
PCB-139/140	66	140	72
PCB-141	950	2000	71
PCB-144	220	430	65
PCB-146	990	3100	103
PCB-147/149	1300	1700	27
PCB-148	3.6U	55	200
PCB-153/168	9200	23000	86
PCB-154	130	540	122
PCB-156/157	470	890	62
PCB-158	550	1300	81
PCB-159	3.3U	31	200
PCB-162	26	62	82
PCB-164	210	400	62
PCB-165	8.0	27	109
PCB-167	240	530	75
PCB-169	3.3U	27	200
PCB-170	2800	6200	76
PCB-171/173	1100	2300	71
PCB-172	560	1200	73
PCB-174	1000	1100	10

Compound	Concentration (pg/g)		RPD
	SW5_061411	SW6_061411DL	
PCB-175	97	240	85
PCB-176	140	270	63
PCB-177	870	1300	40
PCB-178	740	2100	96
PCB-179	820	2000	84
PCB-180/193	7300	14000	63
PCB-181	7.9	15	200
PCB-182	17	53	103
PCB-183	1800	3700	69
PCB-185	230	480	70
PCB-187	4100	12000	98
PCB-188	3.1U	12	200
PCB-189	74	200	92
PCB-190	600	1400	80
PCB-191	150	320	72
PCB-194	1200	2600	74
PCB-195	530	950	57
PCB-196	610	1300	72
PCB-197	47	120	87
PCB-198/199	1400	3200	78
PCB-200	100	200	67
PCB-201	170	410	83

Compound	Concentration (pg/g)		RPD
	SW5_061411	SW6_061411DL	
PCB-202	300	660	75
PCB-203	830	1900	78
PCB-205	56	140	86
PCB-206	460	890	64
PCB-207	41	85	70
PCB-208	160	290	58
PCB-209	180	250	33

Compound	Concentration (pg/g)		RPD
	SW102_061511	DUP1-061511	
PCB-16	3.1U	2.6	200
PCB-17	2.5U	3.4	200
PCB-18/30	4.1	6.9	51
PCB-20/28	15	23	42
PCB-21/33	3.9	8.0	69
PCB-22	3.2	6.2	64
PCB-25	1.9U	1.9	200
PCB-26/29	2.3	4.1	200
PCB-31	11	19	53
PCB-32	1.7U	1.6	200
PCB-37	3.4	4.9	36
PCB-40/71	21	37	55
PCB-42	8.5	15	55

Compound	Concentration (pg/g)		RPD
	SW102_061511	DUP1-061511	
PCB-44/47/65	51	89	54
PCB-48	5.6	8.4	40
PCB-49/69	31	60	64
PCB-50/53	6.9	9.4	200
PCB-52	140	240	53
PCB-56	15	26	54
PCB-60	8.6	14	48
PCB-61/70/74/76	150	260	54
PCB-64	11	22	67
PCB-66	51	100	65
PCB-77	7.3	9.7	28
PCB-82	38	61	46
PCB-83	65	99	41
PCB-84	87	150	53
PCB-85/116/117	65	120	59
PCB-86/87/97/108/119/125	320	530	49
PCB-88/91	32	62	64
PCB-89	5.6	10	56
PCB-90/101/113	1300	2000	42
PCB-92	200	320	46
PCB-93/100	37	3.9	162
PCB-95	780	1300	50

Compound	Concentration (pg/g)		RPD
	SW102_061511	DUP1-061511	
PCB-98/102	3.1U	62	200
PCB-99	360	560	43
PCB-103	15	24	46
PCB-105	170	250	38
PCB-109	45	66	38
PCB-107/124	26	38	38
PCB-110/115	750	1100	38
PCB-114	8.4	7.0	18
PCB-118	670	990	39
PCB-120	7.2	11	42
PCB-122	5.5	8.4	200
PCB-123	7.4	8.8	17
PCB-126	3.0U	9.6	200
PCB-128/166	280	360	25
PCB-129/138/163	3500	5300	41
PCB-130	150	230	42
PCB-131	21	33	44
PCB-132	630	1200	62
PCB-133	60	95	45
PCB-134/143	120	180	40
PCB-135/151	1500	2500	50
PCB-136	370	630	52

Compound	Concentration (pg/g)		RPD
	SW102_061511	DUP1-061511	
PCB-137	33	1.9U	200
PCB-139/140	23	28	20
PCB-141	46	110	82
PCB-144	210	330	44
PCB-146	590	880	39
PCB-147/149	3100	5100	49
PCB-153/168	4300	6500	41
PCB-154	45	68	41
PCB-156/157	170	260	42
PCB-158	290	430	39
PCB-162	14	19	30
PCB-164	3.6U	100	200
PCB-167	130	200	42
PCB-169	2.0U	7.8	200
PCB-170	160	300	61
PCB-171/173	520	780	40
PCB-172	7.2	26	113
PCB-174	7.3	13	56
PCB-175	59	61	3
PCB-176	160	260	48
PCB-177	1100	1700	43
PCB-178	320	470	38

Compound	Concentration (pg/g)		RPD
	SW102_061511	DUP1-061511	
PCB-179	570	910	46
PCB-180/193	1100	2000	58
PCB-183	880	1400	46
PCB-187	2100	3000	35
PCB-189	36	60	50
PCB-190	160	260	48
PCB-191	19	41	73
PCB-194	39	66	51
PCB-195	8.4	14	50
PCB-196	1.6U	12	200
PCB-197	25	34	31
PCB-198/199	4.1	9.6	80
PCB-201	83	120	36
PCB-202	120	150	22
PCB-203	55	92	50
PCB-205	4.7	7.1	41
PCB-206	6.7	6.0U	200
PCB-209	38	26	38

Adak LTM 2011
Polychlorinated Biphenyls - Data Qualification Summary - SDG G1F200419

SDG	Sample	Compound	Flag	A or P	Reason
G1F200419	SW25_061811	PCB-170 PCB-171/173 PCB-172 PCB-174 PCB-175 PCB-176 PCB-177 PCB-178 PCB-179 PCB-180/193 PCB-181 PCB-182 PCB-183 PCB-184 PCB-185 PCB-186 PCB-187 PCB-188 PCB-189 PCB-190 PCB-191 PCB-192 PCB-194 PCB-195 PCB-196 PCB-197 PCB-198/199 PCB-200 PCB-201 PCB-202 PCB-203 PCB-204 PCB-207 PCB-208	J (all detects) UJ (all non-detects)	P	Internal standards (%R)
G1F200419	SW2_061411	PCB-129/138/163 PCB-135/151 PCB-153/168 PCB-170 PCB-180/193 PCB-183 PCB-187	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and RLs (exceeded range)
G1F200419	SW3_061411	PCB-129/138/163 PCB-153/168 PCB-180/193 PCB-187	J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and RLs (exceeded range)
G1F200419	SW4_061411	PCB-129/138/163 PCB-135/151 PCB-153/168 PCB-170 PCB-180/193 PCB-187	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and RLs (exceeded range)
G1F200419	SW6_061411	PCB-153/168	J (all detects)	A	Compound quantitation and RLs (exceeded range)

SDG	Sample	Compound	Flag	A or P	Reason
G1F200419	SW28_061511	PCB-129/138/163 PCB-147/149 PCB-153/168	J (all detects) J (all detects) J (all detects)	A	Compound quantitation and RLs (exceeded range)
G1F200419	KB3_061411	PCB-129/138/163 PCB-153/168 PCB-170 PCB-180/193 PCB-187	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and RLs (exceeded range)
G1F200419	SW1_061411 SW2_061411 SW2_061411DL SW3_061411 SW3_061411DL SW4_061411 SW4_061411DL SW5_061411 SW6_061411 SW6_061411DL SW28_061511 SW28_061511DL SW31_061511 SW102_061511 DUP1-061511 KB1_061411 KB2_061411 KB3_061411 KB3_061411DL KB4_061411 KB5_061411 KB5_061411DL KB04_061511 KB05_061811 KB01_061811 KBALT03_061811 KBALT02_061811 SW25_061811 SW25_061811DL SW26/27_061811 Rinse Blank	All compounds reported by the lab as estimated maximum possible concentration (EMPC)	U	A	Compound quantitation and RLs (EMPC)
G1F200419	SW28_061511DL	PCB-85/116/117 and PCB-110/115	J (all detects) J (all detects)	A	Compound quantitation and RLs

SDG	Sample	Compound	Flag	A or P	Reason
G1F200419	SW1_061411 SW2_061411 SW2_061411DL SW3_061411 SW3_061411DL SW4_061411 SW4_061411DL SW5_061411 SW6_061411 SW6_061411DL SW28_061511 SW28_061511DL SW31_061511 SW102_061511 DUP1-061511 KB1_061411 KB2_061411 KB3_061411 KB3_061411DL KB4_061411 KB5_061411 KB5_061411DL KB04_061511 KB05_061811 KB01_061811 KBALT03_061811 KBALT02_061811 SW25_061811 SW25_061811DL SW26/27_061811	PCB-83 and PCB-99 PCB-183 and PCB-185	J (all detects) J (all detects) J (all detects) J (all detects)	A	Compound quantitation and RLs
G1F200419	SW2_061411	PCB-129/138/163 PCB-135/151 PCB-153/168 PCB-170 PCB-180/193 PCB-183 PCB-187	R R R R R R R	A	Overall assessment
G1F200419	SW2_061411DL	All TCL compounds except PCB-129/138/163 PCB-135/151 PCB-153/168 PCB-170 PCB-180/193 PCB-183 PCB-187	R	A	Overall assessment
G1F200419	SW3_061411	PCB-129/138/163 PCB-153/168 PCB-180/193 PCB-187	R R R R	A	Overall assessment
G1F200419	SW3_061411DL	All TCL compounds except PCB-129/138/163 PCB-153/168 PCB-180/193 PCB-187	R	A	Overall assessment

SDG	Sample	Compound	Flag	A or P	Reason
G1F200419	SW4_061411	PCB-129/138/163 PCB-135/151 PCB-153/168 PCB-170 PCB-180/193 PCB-187	R R R R R R	A	Overall assessment
G1F200419	SW4_061411DL	All TCL compounds except PCB-129/138/163 PCB-135/151 PCB-153/168 PCB-170 PCB-180/193 PCB-187	R	A	Overall assessment
G1F200419	SW6_061411	PCB-153/168	R	A	Overall assessment
G1F200419	SW6_061411DL	All TCL compounds except PCB-153/168	R	A	Overall assessment
G1F200419	SW28_061511	PCB-129/138/163 PCB-147/149 PCB-153/168	R R R	A	Overall assessment
G1F200419	SW28_061511DL	All TCL compounds except PCB-129/138/163 PCB-147/149 PCB-153/168	R	A	Overall assessment
G1F200419	KB3_061411	PCB-129/138/163 PCB-153/168 PCB-170 PCB-180/193 PCB-187	R R R R R	A	Overall assessment
G1F200419	KB3_061411DL	All TCL compounds except PCB-129/138/163 PCB-153/168 PCB-170 PCB-180/193 PCB-187	R	A	Overall assessment
G1F200419	KB5_061411DL SW25_061811DL	All TCL compounds	R	A	Overall assessment

Adak LTM 2011
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG G1F200419

SDG	Sample	Compound	Modified Final Concentration	A or P
G1F200419	SW1_061411	PCB-18/30	2.4U pg/g	A

SDG	Sample	Compound	Modified Final Concentration	A or P
G1F200419	SW2_061411	PCB-11 PCB-16 PCB-17 PCB-18/30 PCB-21/33 PCB-22 PCB-31 PCB-32 PCB-37	8.7U pg/g 0.49U pg/g 0.63U pg/g 1.4U pg/g 0.79U pg/g 1.6U pg/g 4.4U pg/g 0.70U pg/g 0.29U pg/g	A
G1F200419	SW2_061411DL	PCB-31	4.0U pg/g	A
G1F200419	SW3_061411	PCB-11 PCB-16 PCB-17 PCB-18/30 PCB-21/33 PCB-22 PCB-31 PCB-32 PCB-40/71	7.9U pg/g 0.44U pg/g 0.70U pg/g 1.2U pg/g 0.77U pg/g 1.3U pg/g 5.7U pg/g 0.59U pg/g 1.9U pg/g	A
G1F200419	SW3_061411DL	PCB-31	3.5U pg/g	A
G1F200419	SW4_061411	PCB-11 PCB-17 PCB-18/30 PCB-20/28 PCB-21/33 PCB-22 PCB-26/29 PCB-31 PCB-32 PCB-40/71 PCB-42 PCB-48 PCB-50/53	6.3U pg/g 1.1U pg/g 1.4U pg/g 15U pg/g 0.92U pg/g 2.1U pg/g 1.5U pg/g 5.3U pg/g 0.93U pg/g 4.3U pg/g 3.4U pg/g 1.7U pg/g 1.3U pg/g	A
G1F200419	SW4_061411DL	PCB-20/28 PCB-31 PCB-40/71 PCB-44/47/65	16U pg/g 6.0U pg/g 3.6U pg/g 34U pg/g	A
G1F200419	SW5_061411	PCB-18/30 PCB-31	2.8U pg/g 4.0U pg/g	A
G1F200419	SW6_061411	PCB-18/30	1.8U pg/g	A
G1F200419	SW6_061411DL	PCB-31	5.4U pg/g	A
G1F200419	SW31_061511	PCB-18/30	2.8U pg/g	A

SDG	Sample	Compound	Modified Final Concentration	A or P
G1F200419	KB1_061411	PCB-11 PCB-16 PCB-17 PCB-18/30 PCB-21/33 PCB-22 PCB-31 PCB-32 PCB-37 PCB-40/71	4.7U pg/g 0.38U pg/g 0.51U pg/g 1.0U pg/g 0.67U pg/g 2.3U pg/g 4.7U pg/g 0.24U pg/g 0.42U pg/g 0.63U pg/g	A
G1F200419	KB3_061411	PCB-11 PCB-17 PCB-18/30 PCB-21/33 PCB-22 PCB-31 PCB-32 PCB-37 PCB-40/71	4.2U pg/g 0.41U pg/g 1.1U pg/g 0.56U pg/g 1.5U pg/g 4.8U pg/g 0.35U pg/g 0.27U pg/g 0.90U pg/g	A
G1F200419	KB3_061411DL	PCB-31	4.4U pg/g	A
G1F200419	KB4_061411	PCB-31	6.3U pg/g	A
G1F200419	KB5_061411	PCB-11 PCB-17 PCB-18/30 PCB-19 PCB-21/33 PCB-31 PCB-32 PCB-37 PCB-40/71	5.4U pg/g 0.42U pg/g 1.2U pg/g 0.65U pg/g 0.75U pg/g 6.6U pg/g 0.39U pg/g 0.31U pg/g 1.0U pg/g	A
G1F200419	KB5_061411DL	PCB-31	5.6U pg/g	A
G1F200419	KB05_061811	PCB-18/30 PCB-31	2.9U pg/g 4.3U pg/g	A
G1F200419	KB01_061811	PCB-18/30 PCB-31 PCB-32	3.5U pg/g 13U pg/g 1.5U pg/g	A

SDG	Sample	Compound	Modified Final Concentration	A or P
G1F200419	SW25_061811	PCB-11 PCB-16 PCB-17 PCB-18/30 PCB-20/28 PCB-21/33 PCB-22 PCB-26/29 PCB-31 PCB-32 PCB-37 PCB-40/71 PCB-42 PCB-44/47/65 PCB-48 PCB-49/69 PCB-50/53 PCB-64	11U pg/g 1.8U pg/g 1.4U pg/g 2.7U pg/g 9.1U pg/g 2.9U pg/g 2.3U pg/g 1.5U pg/g 7.5U pg/g 1.0U pg/g 1.5U pg/g 6.6U pg/g 3.3U pg/g 20U pg/g 2.6U pg/g 13U pg/g 1.4U pg/g 4.7U pg/g	A
G1F200419	SW25_061811DL	PCB-20/28 PCB-31 PCB-40/71 PCB-44/47/65 PCB-49/69 PCB-64	7.4U pg/g 4.8U pg/g 7.4U pg/g 19U pg/g 12U pg/g 4.9U pg/g	A
G1F200419	SW26/27_061811	PCB-18/30 PCB-20/28 PCB-21/33 PCB-31 PCB-40/71 PCB-44/47/65 PCB-48 PCB-64	3.9U pg/g 8.4U pg/g 3.6U pg/g 3.8U pg/g 12U pg/g 28U pg/g 4.6U pg/g 7.0U pg/g	A
G1F200419	Rinse Blank	PCB-11 PCB-129/138/163 PCB-147/149 PCB-153/168 PCB-118 PCB-85/116/117 PCB-90/101/113 PCB-95 PCB-44/47/65 PCB-52 PCB-61/70/76/74 PCB-66 PCB-20/28 PCB-22 PCB-21/33 PCB-31	1.9U pg/g 0.26U pg/g 0.30U pg/g 0.13U pg/g 0.20U pg/g 0.40U pg/g 0.46U pg/g 0.31U pg/g 0.84U pg/g 0.48U pg/g 0.41U pg/g 0.31U pg/g 0.42U pg/g 0.20U pg/g 0.21U pg/g 0.41U pg/g	A

Adak LTM 2011
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDG G1F200419

SDG	Sample	Compound	Modified Final Concentration	A or P
G1F200419	SW2_061411	PCB-11 PCB-21/33	8.7U pg/g 0.79U pg/g	A
G1F200419	SW3_061411	PCB-11 PCB-21/33	7.9U pg/g 0.77U pg/g	A
G1F200419	SW4_061411	PCB-11 PCB-21/33	6.3U pg/g 0.92U pg/g	A
G1F200419	KB1_061411	PCB-11 PCB-21/33	4.7U pg/g 0.67U pg/g	A
G1F200419	KB3_061411	PCB-11 PCB-21/33	4.2U pg/g 0.56U pg/g	A
G1F200419	KB5_061411	PCB-11 PCB-21/33	5.4U pg/g 0.75U pg/g	A

ATTACHMENT

DATA VALIDATION PACKAGE PART 2 - FORM 1s

Sealaska Environmental Services, LLC

Sample ID: SW1_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 001	**Work Order #....:**	MKCX21AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.01 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND		U	1.1	200	pg/g
PCB-2	ND		U	1.2	200	pg/g
PCB-3	ND		U	1.1	200	pg/g
PCB-4	ND		U	12	200	pg/g
PCB-5	ND		U	8.1	200	pg/g
PCB-6	ND		U	8.3	200	pg/g
PCB-7	ND		U	7.9	200	pg/g
PCB-8	ND		U	8.2	200	pg/g
PCB-9	ND		U	9.1	200	pg/g
PCB-10	ND		U	8.6	200	pg/g
PCB-11	ND		U	11	200	pg/g
PCB-12/13	ND		U	8.1	200	pg/g
PCB-14	ND		U	6.9	200	pg/g
PCB-15	ND		U	7.8	200	pg/g
PCB-16	ND		U	1.8	200	pg/g
PCB-17	ND		U	1.4	200	pg/g
PCB-18/30	**2.4**	U	**C J B**	**1.2**	**200**	**pg/g**
PCB-19	ND		U	1.8	200	pg/g
PCB-20/28	**15**		**C J B**	**1.5**	**200**	**pg/g**
PCB-21/33	ND		U	1.4	200	pg/g
PCB-22	**3.0**		**J B**	**1.6**	**200**	**pg/g**
PCB-23	ND		U	1.5	200	pg/g
PCB-24	ND		U	1.1	200	pg/g
PCB-25	ND		U	1.5	200	pg/g
PCB-26/29	**3.2**		**C J**	**1.4**	**200**	**pg/g**
PCB-27	ND		U	1.0	200	pg/g
PCB-31	**7.9**		**J B**	**1.4**	**200**	**pg/g**
PCB-32	ND		U	0.96	200	pg/g
PCB-34	ND		U	1.5	200	pg/g
PCB-35	ND		U	1.6	200	pg/g
PCB-36	ND		U	1.4	200	pg/g
PCB-37	ND		U	1.6	200	pg/g
PCB-38	ND		U	1.5	200	pg/g
PCB-39	ND		U	1.4	200	pg/g
PCB-40/71	ND		U	1.4	200	pg/g
PCB-41	ND		U	1.7	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW1_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 001	**Work Order #....:**	MKCX21AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.01 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	ND	U	1.5	200	pg/g
PCB-43	ND	U	1.7	200	pg/g
PCB-45	ND	U	1.6	200	pg/g
PCB-46	ND	U	1.7	200	pg/g
PCB-44/47/65	**57**	**C J B**	**1.3**	**200**	**pg/g**
PCB-48	ND	U	1.4	200	pg/g
PCB-49/69	**81**	**C J B**	**1.1**	**200**	**pg/g**
PCB-50/53	ND	U	1.4	200	pg/g
PCB-51	ND	U	1.4	200	pg/g
PCB-52	**230**	**B**	**1.4**	**200**	**pg/g**
PCB-54	ND	U	0.88	200	pg/g
PCB-55	ND	U	1.9	200	pg/g
PCB-56	ND	U	2.0	200	pg/g
PCB-57	ND	U	1.9	200	pg/g
PCB-58	ND	U	1.8	200	pg/g
PCB-59/62/75	ND	U	1.0	200	pg/g
PCB-60	**22** U	**J Q**	**1.9**	**200**	**pg/g**
PCB-61/70/74/76	**420**	**C B**	**1.8**	**200**	**pg/g**
PCB-63	**8.5**	**J**	**1.7**	**200**	**pg/g**
PCB-64	**26**	**J B**	**0.97**	**200**	**pg/g**
PCB-66	**200**	**B**	**1.9**	**200**	**pg/g**
PCB-67	ND	U	1.8	200	pg/g
PCB-68	**3.6**	**J**	**1.7**	**200**	**pg/g**
PCB-72	**5.5**	**J**	**1.8**	**200**	**pg/g**
PCB-73	ND	U	1.1	200	pg/g
PCB-77	ND	U	1.9	20	pg/g
PCB-78	ND	U	1.9	200	pg/g
PCB-79	ND	U	1.7	200	pg/g
PCB-80	ND	U	1.6	200	pg/g
PCB-81	ND	U	1.8	20	pg/g
PCB-82	ND	U	6.1	200	pg/g
PCB-83	**290** J		**5.6**	**200**	**pg/g**
PCB-84	**17** U	**J Q**	**6.0**	**200**	**pg/g**
PCB-85/116/117	**440**	**C**	**4.2**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**790**	**C**	**4.3**	**200**	**pg/g**
PCB-88/91	**18** U	**C J Q**	**5.1**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW1_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 001	**Work Order #....:**	MKCX21AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.01 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND		U	5.4	200	pg/g
PCB-90/101/113	**2700**		**C B**	**4.4**	**200**	**pg/g**
PCB-92	**530**			**5.2**	**200**	**pg/g**
PCB-93/100	**8.0**	U	**C J Q**	**5.0**	**200**	**pg/g**
PCB-94	ND		U	5.5	200	pg/g
PCB-95	**110**		**J**	**5.1**	**200**	**pg/g**
PCB-96	ND		U	0.92	200	pg/g
PCB-98/102	ND		U	5.0	200	pg/g
PCB-99	**1900**	J		**5.1**	**200**	**pg/g**
PCB-103	**12**		**J**	**4.7**	**200**	**pg/g**
PCB-104	ND		U	0.92	200	pg/g
PCB-105	**840**			**3.7**	**20**	**pg/g**
PCB-106	ND		U	4.4	200	pg/g
PCB-109	**170**		**J**	**3.0**	**200**	**pg/g**
PCB-107/124	**55**		**C J**	**3.9**	**200**	**pg/g**
PCB-110/115	**1300**		**C**	**3.8**	**200**	**pg/g**
PCB-111	ND		U	3.7	200	pg/g
PCB-112	ND		U	3.7	200	pg/g
PCB-114	**57**			**3.8**	**20**	**pg/g**
PCB-118	**2700**			**3.9**	**20**	**pg/g**
PCB-120	**18**		**J**	**3.6**	**200**	**pg/g**
PCB-121	ND		U	3.6	200	pg/g
PCB-122	ND		U	4.2	200	pg/g
PCB-123	**28**			**3.9**	**20**	**pg/g**
PCB-126	ND		U	4.4	20	pg/g
PCB-127	**5.0**	U	**J Q**	**3.7**	**200**	**pg/g**
PCB-128/166	**850**		**C**	**2.4**	**200**	**pg/g**
PCB-129/138/163	**8300**		**C B**	**2.3**	**200**	**pg/g**
PCB-130	**170**		**J**	**3.2**	**200**	**pg/g**
PCB-131	**11**		**J**	**2.9**	**200**	**pg/g**
PCB-132	**140**		**J**	**3.0**	**200**	**pg/g**
PCB-133	**170**		**J**	**2.9**	**200**	**pg/g**
PCB-134/143	**100**		**C J**	**3.0**	**200**	**pg/g**
PCB-135/151	**1900**		**C**	**2.7**	**200**	**pg/g**
PCB-136	**180**		**J**	**2.0**	**200**	**pg/g**
PCB-137	**160**		**J**	**2.0**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW1_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 001	**Work Order #....:**	MKCX21AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.01 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**89**	**C J**	**2.6**	**200**	**pg/g**
PCB-141	**1100**		**3.2**	**200**	**pg/g**
PCB-142	ND	U	3.2	200	pg/g
PCB-144	**180**	**J**	**2.7**	**200**	**pg/g**
PCB-145	ND	U	2.0	200	pg/g
PCB-146	**1100**		**2.2**	**200**	**pg/g**
PCB-147/149	**910**	**C**	**2.6**	**200**	**pg/g**
PCB-148	ND	U	2.7	200	pg/g
PCB-150	ND	U	1.9	200	pg/g
PCB-152	ND	U	1.9	200	pg/g
PCB-153/168	**11000**	**C B**	**2.0**	**200**	**pg/g**
PCB-154	**150**	**J**	**2.4**	**200**	**pg/g**
PCB-155	ND	U	2.1	200	pg/g
PCB-156/157	**640**	**C**	**4.5**	**40**	**pg/g**
PCB-158	**650**		**1.9**	**200**	**pg/g**
PCB-159	ND	U	3.6	200	pg/g
PCB-160	ND	U	3.0	200	pg/g
PCB-161	ND	U	2.4	200	pg/g
PCB-162	**30**	**J**	**3.7**	**200**	**pg/g**
PCB-164	**160**	**J**	**2.8**	**200**	**pg/g**
PCB-165	**10** U	**J Q**	**2.2**	**200**	**pg/g**
PCB-167	**310**		**3.5**	**20**	**pg/g**
PCB-169	ND	U	3.7	20	pg/g
PCB-170	**2600**		**4.5**	**200**	**pg/g**
PCB-171/173	**1100**	**C**	**4.5**	**200**	**pg/g**
PCB-172	**490**		**4.4**	**200**	**pg/g**
PCB-174	**600**		**5.1**	**200**	**pg/g**
PCB-175	**91**	**J**	**1.8**	**200**	**pg/g**
PCB-176	**85**	**J**	**1.3**	**200**	**pg/g**
PCB-177	**420**		**4.5**	**200**	**pg/g**
PCB-178	**670**		**1.9**	**200**	**pg/g**
PCB-179	**570**		**1.4**	**200**	**pg/g**
PCB-180/193	**6800**	**C**	**3.6**	**200**	**pg/g**
PCB-181	**8.8**	**J**	**3.9**	**200**	**pg/g**
PCB-182	**13** U	**J Q**	**1.6**	**200**	**pg/g**
PCB-183	**1900** J		**2.8**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW1_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 001	**Work Order #....:**	MKCX21AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.01 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U	1.4	200	pg/g
PCB-185	**170** J	**J**	**4.9**	**200**	**pg/g**
PCB-186	ND	U	1.4	200	pg/g
PCB-187	**3500**		**1.7**	**200**	**pg/g**
PCB-188	ND	U	1.7	200	pg/g
PCB-189	**77**		**2.2**	**20**	**pg/g**
PCB-190	**540**		**3.2**	**200**	**pg/g**
PCB-191	**130**	**J**	**3.2**	**200**	**pg/g**
PCB-192	ND	U	3.4	200	pg/g
PCB-194	**1100**		**2.8**	**200**	**pg/g**
PCB-195	**510**		**3.2**	**200**	**pg/g**
PCB-196	**580**		**2.0**	**200**	**pg/g**
PCB-197	**52**	**J**	**1.2**	**200**	**pg/g**
PCB-198/199	**1200**	**C**	**2.2**	**200**	**pg/g**
PCB-200	**85**	**J**	**2.2**	**200**	**pg/g**
PCB-201	**170**	**J**	**1.5**	**200**	**pg/g**
PCB-202	**270**		**1.8**	**200**	**pg/g**
PCB-203	**780**		**2.1**	**200**	**pg/g**
PCB-204	ND	U	1.6	200	pg/g
PCB-205	**54**	**J**	**1.7**	**200**	**pg/g**
PCB-206	**490**		**6.2**	**200**	**pg/g**
PCB-207	**43** U	**J Q**	**4.7**	**200**	**pg/g**
PCB-208	**160**	**J**	**5.0**	**200**	**pg/g**
PCB-209	**180**	**J B**	**0.96**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 002	**Work Order #....:**	MKCX31AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/06/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.28 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND	U	0.18	20	pg/g
PCB-2	ND	U	0.14	20	pg/g
PCB-3	ND	U	0.097	20	pg/g
PCB-4	ND	U	1.1	20	pg/g
PCB-5	ND	U	0.65	20	pg/g
PCB-6	ND	U	0.67	20	pg/g
PCB-7	ND	U	0.64	20	pg/g
PCB-8	**0.85** U	**J Q**	**0.66**	**20**	**pg/g**
PCB-9	ND	U	0.73	20	pg/g
PCB-10	ND	U	0.65	20	pg/g
PCB-11	**8.7** U	**J Q B**	**0.65**	**20**	**pg/g**
PCB-12/13	ND	U	0.65	20	pg/g
PCB-14	ND	U	0.56	20	pg/g
PCB-15	**0.55** U	**J Q**	**0.55**	**20**	**pg/g**
PCB-16	**0.49** U	**J Q B**	**0.14**	**20**	**pg/g**
PCB-17	**0.63** U	**J B**	**0.11**	**20**	**pg/g**
PCB-18/30	**1.4** U	**C J B**	**0.095**	**20**	**pg/g**
PCB-19	ND	U	0.16	20	pg/g
PCB-20/28	**14**	**C J B**	**0.15**	**20**	**pg/g**
PCB-21/33	**0.79** U	**C J Q B**	**0.15**	**20**	**pg/g**
PCB-22	**1.6** U	**J B**	**0.16**	**20**	**pg/g**
PCB-23	ND	U	0.15	20	pg/g
PCB-24	ND	U	0.086	20	pg/g
PCB-25	**0.46**	**J**	**0.15**	**20**	**pg/g**
PCB-26/29	**1.2** U	**C J Q**	**0.15**	**20**	**pg/g**
PCB-27	ND	U	0.082	20	pg/g
PCB-31	**4.4** U	**J B**	**0.14**	**20**	**pg/g**
PCB-32	**0.70** U	**J B**	**0.076**	**20**	**pg/g**
PCB-34	ND	U	0.15	20	pg/g
PCB-35	ND	U	0.16	20	pg/g
PCB-36	ND	U	0.14	20	pg/g
PCB-37	**0.29** U	**J Q B**	**0.15**	**20**	**pg/g**
PCB-38	ND	U	0.15	20	pg/g
PCB-39	ND	U	0.14	20	pg/g
PCB-40/71	**3.0**	**C J B**	**0.12**	**20**	**pg/g**
PCB-41	ND	U	0.15	20	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 002	**Work Order #....:**	MKCX31AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/06/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.28 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**2.1**	**J**	**0.13**	**20**	**pg/g**
PCB-43	ND	U	0.15	20	pg/g
PCB-45	**0.81**	**J**	**0.14**	**20**	**pg/g**
PCB-46	ND	U	0.15	20	pg/g
PCB-44/47/65	**42**	**C B**	**0.11**	**20**	**pg/g**
PCB-48	**1.0**	**J**	**0.12**	**20**	**pg/g**
PCB-49/69	**35**	**C B**	**0.10**	**20**	**pg/g**
PCB-50/53	**1.0**	**C J**	**0.12**	**20**	**pg/g**
PCB-51	ND	U	0.12	20	pg/g
PCB-52	**120**	**B**	**0.13**	**20**	**pg/g**
PCB-54	ND	U	0.097	20	pg/g
PCB-55	ND	U	0.31	20	pg/g
PCB-56	**3.5**	**J**	**0.32**	**20**	**pg/g**
PCB-57	ND	U	0.30	20	pg/g
PCB-58	ND	U	0.29	20	pg/g
PCB-59/62/75	**6.7**	**C J**	**0.088**	**20**	**pg/g**
PCB-60	**16**	**J**	**0.31**	**20**	**pg/g**
PCB-61/70/74/76	**160**	**C B**	**0.29**	**20**	**pg/g**
PCB-63	**2.5**	**J**	**0.28**	**20**	**pg/g**
PCB-64	**12**	**J B**	**0.085**	**20**	**pg/g**
PCB-66	**100**	**B**	**0.31**	**20**	**pg/g**
PCB-67	ND	U	0.28	20	pg/g
PCB-68	**2.0** U	**J Q**	**0.27**	**20**	**pg/g**
PCB-72	**2.2**	**J**	**0.29**	**20**	**pg/g**
PCB-73	ND	U	0.094	20	pg/g
PCB-77	**0.83**	**J**	**0.30**	**2.0**	**pg/g**
PCB-78	ND	U	0.31	20	pg/g
PCB-79	ND	U	0.27	20	pg/g
PCB-80	ND	U	0.26	20	pg/g
PCB-81	ND	U	0.29	2.0	pg/g
PCB-82	**10**	**J**	**0.60**	**20**	**pg/g**
PCB-83	**53** J		**0.55**	**20**	**pg/g**
PCB-84	**22**		**0.59**	**20**	**pg/g**
PCB-85/116/117	**210**	**C**	**0.41**	**20**	**pg/g**
PCB-86/87/97/108/119/125	**360**	**C**	**0.42**	**20**	**pg/g**
PCB-88/91	**14**	**C J**	**0.50**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	GIF200419 - 002	**Work Order #....:**	MKCX31AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/06/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.28 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	0.53	20	pg/g
PCB-90/101/113	**1300**	**C B**	**0.43**	**20**	**pg/g**
PCB-92	**290**		**0.51**	**20**	**pg/g**
PCB-93/100	**6.5**	**C J**	**0.49**	**20**	**pg/g**
PCB-94	ND	U	0.54	20	pg/g
PCB-95	**160**		**0.50**	**20**	**pg/g**
PCB-96	**0.25**	**J**	**0.068**	**20**	**pg/g**
PCB-98/102	**2.3** U	**C J Q**	**0.49**	**20**	**pg/g**
PCB-99	**1200** J		**0.50**	**20**	**pg/g**
PCB-103	**17**	**J**	**0.46**	**20**	**pg/g**
PCB-104	ND	U	0.060	20	pg/g
PCB-105	**350**		**0.39**	**2.0**	**pg/g**
PCB-106	ND	U	0.43	20	pg/g
PCB-109	**77**		**0.30**	**20**	**pg/g**
PCB-107/124	**25**	**C**	**0.38**	**20**	**pg/g**
PCB-110/115	**550**	**C**	**0.37**	**20**	**pg/g**
PCB-111	**2.5**	**J**	**0.36**	**20**	**pg/g**
PCB-112	ND	U	0.36	20	pg/g
PCB-114	**30**		**0.38**	**2.0**	**pg/g**
PCB-118	**1200**		**0.37**	**2.0**	**pg/g**
PCB-120	**14**	**J**	**0.36**	**20**	**pg/g**
PCB-121	**1.3**	**J**	**0.36**	**20**	**pg/g**
PCB-122	ND	U	0.42	20	pg/g
PCB-123	**17**		**0.40**	**2.0**	**pg/g**
PCB-126	**3.7**		**0.42**	**2.0**	**pg/g**
PCB-127	**2.6** U	**J Q**	**0.37**	**20**	**pg/g**
PCB-128/166	**780**	**C**	**0.24**	**20**	**pg/g**
PCB-129/138/163	**8300** R	**C E B**	**0.23**	**20**	**pg/g**
PCB-130	**83**		**0.33**	**20**	**pg/g**
PCB-131	**9.9**	**J**	**0.30**	**20**	**pg/g**
PCB-132	**180**		**0.30**	**20**	**pg/g**
PCB-133	**200**		**0.30**	**20**	**pg/g**
PCB-134/143	**100**	**C**	**0.31**	**20**	**pg/g**
PCB-135/151	**2400** R	**C E**	**0.28**	**20**	**pg/g**
PCB-136	**290**		**0.21**	**20**	**pg/g**
PCB-137	**92**		**0.21**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 002	**Work Order #....:**	MKCX31AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/06/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.28 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**71**	**C**	**0.27**	**20**	**pg/g**
PCB-141	**1000**		**0.33**	**20**	**pg/g**
PCB-142	ND	U	0.33	20	pg/g
PCB-144	**170**		**0.27**	**20**	**pg/g**
PCB-145	ND	U	0.21	20	pg/g
PCB-146	**890**		**0.22**	**20**	**pg/g**
PCB-147/149	**640**	**C**	**0.27**	**20**	**pg/g**
PCB-148	**3.8**	**J**	**0.28**	**20**	**pg/g**
PCB-150	**0.68** U	**J Q**	**0.19**	**20**	**pg/g**
PCB-152	ND	U	0.20	20	pg/g
PCB-153/168	**11000** R	**C E B**	**0.20**	**20**	**pg/g**
PCB-154	**150**		**0.25**	**20**	**pg/g**
PCB-155	**1.4**	**J**	**0.21**	**20**	**pg/g**
PCB-156/157	**450**	**C**	**0.60**	**3.9**	**pg/g**
PCB-158	**610**		**0.20**	**20**	**pg/g**
PCB-159	**16**	**J**	**0.49**	**20**	**pg/g**
PCB-160	ND	U	0.31	20	pg/g
PCB-161	ND	U	0.24	20	pg/g
PCB-162	**30**		**0.49**	**20**	**pg/g**
PCB-164	**130**		**0.29**	**20**	**pg/g**
PCB-165	**17**	**J**	**0.23**	**20**	**pg/g**
PCB-167	**270**		**0.43**	**2.0**	**pg/g**
PCB-169	**1.5**	**J**	**0.57**	**2.0**	**pg/g**
PCB-170	**3700** R	**E**	**1.0**	**20**	**pg/g**
PCB-171/173	**1400**	**C**	**0.99**	**20**	**pg/g**
PCB-172	**690**		**0.98**	**20**	**pg/g**
PCB-174	**730**		**1.1**	**20**	**pg/g**
PCB-175	**97**		**0.20**	**20**	**pg/g**
PCB-176	**98**		**0.14**	**20**	**pg/g**
PCB-177	**330**		**1.0**	**20**	**pg/g**
PCB-178	**1000**		**0.21**	**20**	**pg/g**
PCB-179	**990**		**0.15**	**20**	**pg/g**
PCB-180/193	**8700** R	**C E**	**0.79**	**20**	**pg/g**
PCB-181	**12**	**J**	**0.86**	**20**	**pg/g**
PCB-182	**15**	**J**	**0.18**	**20**	**pg/g**
PCB-183	**2400** R	**E**	**0.62**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 002	**Work Order #....:**	MKCX31AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/06/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.28 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	**2.4**	**J**	**0.15**	**20**	**pg/g**
PCB-185	**310** J		**1.1**	**20**	**pg/g**
PCB-186	ND	U	0.15	20	pg/g
PCB-187	**3800** R	**E**	**0.18**	**20**	**pg/g**
PCB-188	**2.6**	**J**	**0.15**	**20**	**pg/g**
PCB-189	**100**		**0.39**	**2.0**	**pg/g**
PCB-190	**600**		**0.71**	**20**	**pg/g**
PCB-191	**170**		**0.70**	**20**	**pg/g**
PCB-192	ND	U	0.75	20	pg/g
PCB-194	**1100**		**0.43**	**20**	**pg/g**
PCB-195	**660**		**0.49**	**20**	**pg/g**
PCB-196	**850**		**0.33**	**20**	**pg/g**
PCB-197	**70**		**0.19**	**20**	**pg/g**
PCB-198/199	**1700**	**C**	**0.36**	**20**	**pg/g**
PCB-200	**110**		**0.37**	**20**	**pg/g**
PCB-201	**220**		**0.25**	**20**	**pg/g**
PCB-202	**320**		**0.24**	**20**	**pg/g**
PCB-203	**1100**		**0.35**	**20**	**pg/g**
PCB-204	ND	U	0.26	20	pg/g
PCB-205	**77**		**0.35**	**20**	**pg/g**
PCB-206	**610**		**0.75**	**20**	**pg/g**
PCB-207	**53**		**0.49**	**20**	**pg/g**
PCB-208	**180**		**0.47**	**20**	**pg/g**
PCB-209	**210**	**B**	**0.13**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 002	**Work Order #....:**	MKCX32AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.86
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.28 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND	U R	0.80	200	pg/g
PCB-2	ND	U	0.88	200	pg/g
PCB-3	ND	U	0.84	200	pg/g
PCB-4	ND	U	8.1	200	pg/g
PCB-5	ND	U	7.0	200	pg/g
PCB-6	ND	U	7.2	200	pg/g
PCB-7	ND	U	6.9	200	pg/g
PCB-8	ND	U	7.2	200	pg/g
PCB-9	ND	U	7.9	200	pg/g
PCB-10	ND	U	5.8	200	pg/g
PCB-11	ND	U	9.6	200	pg/g
PCB-12/13	ND	U	7.0	200	pg/g
PCB-14	ND	U	6.0	200	pg/g
PCB-15	ND	U	6.7	200	pg/g
PCB-16	ND	U	1.5	200	pg/g
PCB-17	ND	U	1.2	200	pg/g
PCB-18/30	ND	U	1.0	200	pg/g
PCB-19	ND	U	1.4	200	pg/g
PCB-20/28	**12**	**C J B**	**0.91**	**200**	**pg/g**
PCB-21/33	ND	U	0.88	200	pg/g
PCB-22	ND	U	0.95	200	pg/g
PCB-23	ND	U	0.91	200	pg/g
PCB-24	ND	U	0.90	200	pg/g
PCB-25	ND	U	0.89	200	pg/g
PCB-26/29	ND	U	0.88	200	pg/g
PCB-27	ND	U	0.86	200	pg/g
PCB-31	**4.0**	**J Q B**	**0.86**	**200**	**pg/g**
PCB-32	ND	U	0.80	200	pg/g
PCB-34	ND	U	0.91	200	pg/g
PCB-35	ND	U	0.97	200	pg/g
PCB-36	ND	U	0.87	200	pg/g
PCB-37	ND	U	1.0	200	pg/g
PCB-38	ND	U	0.93	200	pg/g
PCB-39	ND	U	0.84	200	pg/g
PCB-40/71	**3.4**	**C J B**	**1.0**	**200**	**pg/g**
PCB-41	ND	U	1.2	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 002	**Work Order #....:**	MKCX32AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.86
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.28 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	ND	U	1.1	200	pg/g
PCB-43	ND	U	1.2	200	pg/g
PCB-45	ND	U	1.2	200	pg/g
PCB-46	ND	U	1.2	200	pg/g
PCB-44/47/65	**44**	**C J B**	**0.95**	**200**	**pg/g**
PCB-48	ND	U	1.0	200	pg/g
PCB-49/69	**38**	**C J B**	**0.83**	**200**	**pg/g**
PCB-50/53	ND	U	1.0	200	pg/g
PCB-51	ND	U	0.99	200	pg/g
PCB-52	**110**	**J B**	**1.1**	**200**	**pg/g**
PCB-54	ND	U	0.68	200	pg/g
PCB-55	ND	U	1.7	200	pg/g
PCB-56	**4.4**	**J**	**1.7**	**200**	**pg/g**
PCB-57	ND	U	1.6	200	pg/g
PCB-58	ND	U	1.6	200	pg/g
PCB-59/62/75	**6.5**	**C J**	**0.74**	**200**	**pg/g**
PCB-60	**13**	**J Q**	**1.7**	**200**	**pg/g**
PCB-61/70/74/76	**160**	**C J B**	**1.6**	**200**	**pg/g**
PCB-63	**3.0**	**J**	**1.5**	**200**	**pg/g**
PCB-64	**11**	**J Q B**	**0.71**	**200**	**pg/g**
PCB-66	**100**	**J B**	**1.7**	**200**	**pg/g**
PCB-67	ND	U	1.5	200	pg/g
PCB-68	**2.2**	**J Q**	**1.5**	**200**	**pg/g**
PCB-72	**2.7**	**J Q**	**1.6**	**200**	**pg/g**
PCB-73	ND	U	0.79	200	pg/g
PCB-77	ND	U	1.8	20	pg/g
PCB-78	ND	U	1.7	200	pg/g
PCB-79	ND	U	1.4	200	pg/g
PCB-80	ND	U	1.4	200	pg/g
PCB-81	ND	U	1.6	20	pg/g
PCB-82	ND	U	3.2	200	pg/g
PCB-83	**86**	**J**	**3.0**	**200**	**pg/g**
PCB-84	**22**	**J Q**	**3.2**	**200**	**pg/g**
PCB-85/116/117	**210**	**C**	**2.2**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**380**	**C**	**2.3**	**200**	**pg/g**
PCB-88/91	**16**	**C J**	**2.7**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 002	**Work Order #....:**	MKCX32AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.86
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.28 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	2.9	200	pg/g
PCB-90/101/113	**1400**	**C B**	**2.3**	**200**	**pg/g**
PCB-92	**310**		**2.8**	**200**	**pg/g**
PCB-93/100	**7.5**	**C J**	**2.6**	**200**	**pg/g**
PCB-94	ND	U	2.9	200	pg/g
PCB-95	**160**	**J**	**2.7**	**200**	**pg/g**
PCB-96	ND	U	0.71	200	pg/g
PCB-98/102	ND	U	2.7	200	pg/g
PCB-99	**1200**		**2.7**	**200**	**pg/g**
PCB-103	**19**	**J**	**2.5**	**200**	**pg/g**
PCB-104	ND	U	0.68	200	pg/g
PCB-105	**340**		**2.1**	**20**	**pg/g**
PCB-106	ND	U	2.4	200	pg/g
PCB-109	**81**	**J**	**1.6**	**200**	**pg/g**
PCB-107/124	**23**	**C J Q**	**2.1**	**200**	**pg/g**
PCB-110/115	**600**	**C**	**2.0**	**200**	**pg/g**
PCB-111	**3.1**	**J**	**1.9**	**200**	**pg/g**
PCB-112	ND	U	1.9	200	pg/g
PCB-114	**19**	**J Q**	**2.1**	**20**	**pg/g**
PCB-118	**1200**		**2.0**	**20**	**pg/g**
PCB-120	**17**	**J**	**1.9**	**200**	**pg/g**
PCB-121	ND	U	1.9	200	pg/g
PCB-122	ND	U	2.3	200	pg/g
PCB-123	**14**	**J Q**	**2.1**	**20**	**pg/g**
PCB-126	ND	U	2.4	20	pg/g
PCB-127	**3.4**	**J**	**2.0**	**200**	**pg/g**
PCB-128/166	**760**	**C**	**1.5**	**200**	**pg/g**
PCB-129/138/163	**8500**	**C B**	**1.4**	**200**	**pg/g**
PCB-130	**87**	**J**	**2.0**	**200**	**pg/g**
PCB-131	**11**	**J**	**1.9**	**200**	**pg/g**
PCB-132	**180**	**J**	**1.9**	**200**	**pg/g**
PCB-133	**200**	**J**	**1.8**	**200**	**pg/g**
PCB-134/143	**100**	**C J**	**1.9**	**200**	**pg/g**
PCB-135/151	**2400**	**C**	**1.7**	**200**	**pg/g**
PCB-136	**300**		**1.3**	**200**	**pg/g**
PCB-137	**92**	**J**	**1.3**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 002	**Work Order #....:**	MKCX32AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.86
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.28 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**66**	**C J**	**1.6**	**200**	**pg/g**
PCB-141	**1000**		**2.0**	**200**	**pg/g**
PCB-142	ND	U	2.1	200	pg/g
PCB-144	**170**	**J**	**1.7**	**200**	**pg/g**
PCB-145	ND	U	1.3	200	pg/g
PCB-146	**870**		**1.4**	**200**	**pg/g**
PCB-147/149	**620**	**C**	**1.6**	**200**	**pg/g**
PCB-148	ND	U	1.7	200	pg/g
PCB-150	ND	U	1.2	200	pg/g
PCB-152	ND	U	1.2	200	pg/g
PCB-153/168	**11000**	**C B**	**1.3**	**200**	**pg/g**
PCB-154	**150**	**J**	**1.5**	**200**	**pg/g**
PCB-155	ND	U	1.3	200	pg/g
PCB-156/157	**450**	**C**	**3.2**	**39**	**pg/g**
PCB-158	**590**		**1.2**	**200**	**pg/g**
PCB-159	**18**	**J**	**2.6**	**200**	**pg/g**
PCB-160	ND	U	1.9	200	pg/g
PCB-161	ND	U	1.5	200	pg/g
PCB-162	**33**	**J**	**2.6**	**200**	**pg/g**
PCB-164	**120**	**J Q**	**1.8**	**200**	**pg/g**
PCB-165	**19**	**J**	**1.4**	**200**	**pg/g**
PCB-167	**270**		**2.5**	**20**	**pg/g**
PCB-169	ND	U	2.8	20	pg/g
PCB-170	**3700**		**4.4**	**200**	**pg/g**
PCB-171/173	**1300**	**C**	**4.4**	**200**	**pg/g**
PCB-172	**690**		**4.3**	**200**	**pg/g**
PCB-174	**710**		**4.9**	**200**	**pg/g**
PCB-175	**92**	**J**	**1.2**	**200**	**pg/g**
PCB-176	**87**	**J**	**0.85**	**200**	**pg/g**
PCB-177	**310**		**4.4**	**200**	**pg/g**
PCB-178	**880**		**1.3**	**200**	**pg/g**
PCB-179	**920**		**0.94**	**200**	**pg/g**
PCB-180/193	**9100**	**C**	**3.5**	**200**	**pg/g**
PCB-181	**9.8**	**J**	**3.8**	**200**	**pg/g**
PCB-182	**11**	**J Q**	**1.1**	**200**	**pg/g**
PCB-183	**2300**		**2.7**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 002	**Work Order #....:**	MKCX32AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.86
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.28 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND R	U	0.93	200	pg/g
PCB-185	**280**		**4.8**	**200**	**pg/g**
PCB-186	ND	U	0.90	200	pg/g
PCB-187	**3700**		**1.1**	**200**	**pg/g**
PCB-188	ND R	U	1.0	200	pg/g
PCB-189	**110**		**1.6**	**20**	**pg/g**
PCB-190	**750**		**3.1**	**200**	**pg/g**
PCB-191	**170**	**J**	**3.1**	**200**	**pg/g**
PCB-192	ND	U	3.3	200	pg/g
PCB-194	**1500**		**2.1**	**200**	**pg/g**
PCB-195	**650**		**2.4**	**200**	**pg/g**
PCB-196	**710**		**1.1**	**200**	**pg/g**
PCB-197	**56**	**J**	**0.64**	**200**	**pg/g**
PCB-198/199	**1400**	**C**	**1.2**	**200**	**pg/g**
PCB-200	**88**	**J**	**1.2**	**200**	**pg/g**
PCB-201	**170**	**J**	**0.84**	**200**	**pg/g**
PCB-202	**330**		**1.1**	**200**	**pg/g**
PCB-203	**990**		**1.2**	**200**	**pg/g**
PCB-204	ND	U	0.87	200	pg/g
PCB-205	**77**	**J**	**1.2**	**200**	**pg/g**
PCB-206	**590**		**5.7**	**200**	**pg/g**
PCB-207	**52**	**J**	**4.4**	**200**	**pg/g**
PCB-208	**180**	**J**	**4.8**	**200**	**pg/g**
PCB-209	**210**	**B**	**0.82**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 003	**Work Order #....:**	MKCX41AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/06/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND		U	0.14	20	pg/g
PCB-2	ND		U	0.12	20	pg/g
PCB-3	ND		U	0.084	20	pg/g
PCB-4	ND		U	1.1	20	pg/g
PCB-5	ND		U	0.70	20	pg/g
PCB-6	ND		U	0.72	20	pg/g
PCB-7	ND		U	0.69	20	pg/g
PCB-8	ND		U	0.72	20	pg/g
PCB-9	ND		U	0.79	20	pg/g
PCB-10	ND		U	0.64	20	pg/g
PCB-11	**7.9**	U	**J Q B**	**0.70**	**20**	**pg/g**
PCB-12/13	ND		U	0.70	20	pg/g
PCB-14	ND		U	0.60	20	pg/g
PCB-15	ND		U	0.61	20	pg/g
PCB-16	**0.44**	U	**J Q B**	**0.12**	**20**	**pg/g**
PCB-17	**0.70**	U	**J B**	**0.094**	**20**	**pg/g**
PCB-18/30	**1.2**	U	**C J B**	**0.079**	**20**	**pg/g**
PCB-19	ND		U	0.13	20	pg/g
PCB-20/28	**11**		**C J B**	**0.12**	**20**	**pg/g**
PCB-21/33	**0.77**	U	**C J Q B**	**0.12**	**20**	**pg/g**
PCB-22	**1.3**	U	**J B**	**0.13**	**20**	**pg/g**
PCB-23	ND		U	0.13	20	pg/g
PCB-24	ND		U	0.072	20	pg/g
PCB-25	**0.39**	U	**J Q**	**0.12**	**20**	**pg/g**
PCB-26/29	**1.5**		**C J**	**0.12**	**20**	**pg/g**
PCB-27	ND		U	0.068	20	pg/g
PCB-31	**5.7**	U	**J B**	**0.12**	**20**	**pg/g**
PCB-32	**0.59**	U	**J Q B**	**0.064**	**20**	**pg/g**
PCB-34	ND		U	0.13	20	pg/g
PCB-35	ND		U	0.13	20	pg/g
PCB-36	ND		U	0.12	20	pg/g
PCB-37	ND		U	0.13	20	pg/g
PCB-38	ND		U	0.13	20	pg/g
PCB-39	ND		U	0.12	20	pg/g
PCB-40/71	**1.9**	U	**C J B**	**0.10**	**20**	**pg/g**
PCB-41	ND		U	0.12	20	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 003	**Work Order #....:**	MKCX41AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/06/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**1.6**	**J**	**0.11**	**20**	**pg/g**
PCB-43	ND	U	0.12	20	pg/g
PCB-45	**0.29** U	**J Q**	**0.12**	**20**	**pg/g**
PCB-46	ND	U	0.13	20	pg/g
PCB-44/47/65	**24**	**C B**	**0.097**	**20**	**pg/g**
PCB-48	**1.0**	**J**	**0.10**	**20**	**pg/g**
PCB-49/69	**28**	**C B**	**0.084**	**20**	**pg/g**
PCB-50/53	**0.68**	**C J**	**0.10**	**20**	**pg/g**
PCB-51	ND	U	0.10	20	pg/g
PCB-52	**75**	**B**	**0.11**	**20**	**pg/g**
PCB-54	ND	U	0.072	20	pg/g
PCB-55	ND	U	0.23	20	pg/g
PCB-56	**1.7**	**J**	**0.23**	**20**	**pg/g**
PCB-57	ND	U	0.22	20	pg/g
PCB-58	ND	U	0.21	20	pg/g
PCB-59/62/75	**3.5**	**C J**	**0.075**	**20**	**pg/g**
PCB-60	**9.9**	**J**	**0.23**	**20**	**pg/g**
PCB-61/70/74/76	**110**	**C B**	**0.21**	**20**	**pg/g**
PCB-63	**2.6**	**J**	**0.20**	**20**	**pg/g**
PCB-64	**10**	**J B**	**0.072**	**20**	**pg/g**
PCB-66	**58**	**B**	**0.23**	**20**	**pg/g**
PCB-67	**0.50**	**J**	**0.21**	**20**	**pg/g**
PCB-68	**1.1** U	**J Q**	**0.20**	**20**	**pg/g**
PCB-72	**1.3** U	**J Q**	**0.21**	**20**	**pg/g**
PCB-73	ND	U	0.080	20	pg/g
PCB-77	**0.92**	**J**	**0.22**	**2.0**	**pg/g**
PCB-78	ND	U	0.23	20	pg/g
PCB-79	ND	U	0.20	20	pg/g
PCB-80	ND	U	0.19	20	pg/g
PCB-81	ND	U	0.22	2.0	pg/g
PCB-82	**6.8**	**J**	**0.35**	**20**	**pg/g**
PCB-83	**30** J		**0.32**	**20**	**pg/g**
PCB-84	**13**	**J**	**0.34**	**20**	**pg/g**
PCB-85/116/117	**89**	**C**	**0.24**	**20**	**pg/g**
PCB-86/87/97/108/119/125	**190**	**C**	**0.25**	**20**	**pg/g**
PCB-88/91	**12**	**C J**	**0.29**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 003	**Work Order #....:**	MKCX41AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/06/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND		U	0.31	20	pg/g
PCB-90/101/113	**750**		**C B**	**0.25**	**20**	**pg/g**
PCB-92	**140**			**0.30**	**20**	**pg/g**
PCB-93/100	**2.4**		**C J**	**0.28**	**20**	**pg/g**
PCB-94	ND		U	0.32	20	pg/g
PCB-95	**94**			**0.29**	**20**	**pg/g**
PCB-96	ND		U	0.057	20	pg/g
PCB-98/102	**1.1**	U	**C J Q**	**0.29**	**20**	**pg/g**
PCB-99	**520**	J		**0.29**	**20**	**pg/g**
PCB-103	**8.4**		**J**	**0.27**	**20**	**pg/g**
PCB-104	ND		U	0.049	20	pg/g
PCB-105	**180**			**0.24**	**2.0**	**pg/g**
PCB-106	ND		U	0.25	20	pg/g
PCB-109	**44**			**0.17**	**20**	**pg/g**
PCB-107/124	**13**		**C J**	**0.22**	**20**	**pg/g**
PCB-110/115	**380**		**C**	**0.22**	**20**	**pg/g**
PCB-111	**1.4**		**J**	**0.21**	**20**	**pg/g**
PCB-112	ND		U	0.21	20	pg/g
PCB-114	**12**			**0.23**	**2.0**	**pg/g**
PCB-118	**590**			**0.21**	**2.0**	**pg/g**
PCB-120	**7.6**		**J**	**0.21**	**20**	**pg/g**
PCB-121	**0.50**	U	**J Q**	**0.21**	**20**	**pg/g**
PCB-122	ND		U	0.24	20	pg/g
PCB-123	**6.0**			**0.23**	**2.0**	**pg/g**
PCB-126	**1.7**		**J**	**0.26**	**2.0**	**pg/g**
PCB-127	**1.1**		**J**	**0.21**	**20**	**pg/g**
PCB-128/166	**310**		**C**	**0.17**	**20**	**pg/g**
PCB-129/138/163	**3500**	R	**C E B**	**0.17**	**20**	**pg/g**
PCB-130	**100**			**0.23**	**20**	**pg/g**
PCB-131	**8.1**		**J**	**0.22**	**20**	**pg/g**
PCB-132	**160**			**0.22**	**20**	**pg/g**
PCB-133	**88**			**0.21**	**20**	**pg/g**
PCB-134/143	**63**		**C**	**0.22**	**20**	**pg/g**
PCB-135/151	**1000**		**C**	**0.20**	**20**	**pg/g**
PCB-136	**120**			**0.15**	**20**	**pg/g**
PCB-137	**39**			**0.15**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 003	**Work Order #....:**	MKCX41AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/06/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**29**		**C**	**0.19**	**20**	**pg/g**
PCB-141	**400**			**0.24**	**20**	**pg/g**
PCB-142	ND		U	0.24	20	pg/g
PCB-144	**100**			**0.20**	**20**	**pg/g**
PCB-145	ND		U	0.15	20	pg/g
PCB-146	**590**			**0.16**	**20**	**pg/g**
PCB-147/149	**740**		**C**	**0.19**	**20**	**pg/g**
PCB-148	**2.2**		**J**	**0.20**	**20**	**pg/g**
PCB-150	**0.68**		**J**	**0.14**	**20**	**pg/g**
PCB-152	ND		U	0.14	20	pg/g
PCB-153/168	**4300**	R	**C E B**	**0.15**	**20**	**pg/g**
PCB-154	**67**			**0.18**	**20**	**pg/g**
PCB-155	**0.81**		**J**	**0.14**	**20**	**pg/g**
PCB-156/157	**170**		**C**	**0.56**	**4.0**	**pg/g**
PCB-158	**250**			**0.14**	**20**	**pg/g**
PCB-159	**11**		**J**	**0.43**	**20**	**pg/g**
PCB-160	ND		U	0.22	20	pg/g
PCB-161	ND		U	0.18	20	pg/g
PCB-162	**13**		**J**	**0.43**	**20**	**pg/g**
PCB-164	**110**			**0.21**	**20**	**pg/g**
PCB-165	**6.4**		**J**	**0.16**	**20**	**pg/g**
PCB-167	**120**			**0.38**	**2.0**	**pg/g**
PCB-169	**1.3**		**J**	**0.51**	**2.0**	**pg/g**
PCB-170	**1200**			**0.69**	**20**	**pg/g**
PCB-171/173	**550**		**C**	**0.69**	**20**	**pg/g**
PCB-172	**250**			**0.68**	**20**	**pg/g**
PCB-174	**490**			**0.78**	**20**	**pg/g**
PCB-175	**51**			**0.17**	**20**	**pg/g**
PCB-176	**68**			**0.12**	**20**	**pg/g**
PCB-177	**480**			**0.69**	**20**	**pg/g**
PCB-178	**450**			**0.17**	**20**	**pg/g**
PCB-179	**420**			**0.13**	**20**	**pg/g**
PCB-180/193	**3000**	R	**C E**	**0.55**	**20**	**pg/g**
PCB-181	ND		U	0.59	20	pg/g
PCB-182	**5.8**		**J**	**0.15**	**20**	**pg/g**
PCB-183	**950**	J		**0.43**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 003	**Work Order #....:**	MKCX41AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/06/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	0.91	J	0.13	20	pg/g
PCB-185	110 J		0.75	20	pg/g
PCB-186	ND	U	0.12	20	pg/g
PCB-187	2300 R	E	0.16	20	pg/g
PCB-188	1.2	J	0.13	20	pg/g
PCB-189	40		0.29	2.0	pg/g
PCB-190	210		0.49	20	pg/g
PCB-191	64		0.49	20	pg/g
PCB-192	ND	U	0.52	20	pg/g
PCB-194	380		0.35	20	pg/g
PCB-195	250		0.40	20	pg/g
PCB-196	320		0.28	20	pg/g
PCB-197	32		0.16	20	pg/g
PCB-198/199	780	C	0.30	20	pg/g
PCB-200	56		0.30	20	pg/g
PCB-201	110		0.21	20	pg/g
PCB-202	160		0.20	20	pg/g
PCB-203	410		0.28	20	pg/g
PCB-204	ND	U	0.21	20	pg/g
PCB-205	28		0.30	20	pg/g
PCB-206	240		0.96	20	pg/g
PCB-207	23		0.59	20	pg/g
PCB-208	88		0.56	20	pg/g
PCB-209	110	B	0.14	20	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 003	**Work Order #....:**	MKCX42AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.91
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND R	U	1.1	200	pg/g
PCB-2	ND	U	1.2	200	pg/g
PCB-3	ND	U	1.2	200	pg/g
PCB-4	ND	U	8.5	200	pg/g
PCB-5	ND	U	8.7	200	pg/g
PCB-6	ND	U	8.9	200	pg/g
PCB-7	ND	U	8.5	200	pg/g
PCB-8	ND	U	8.8	200	pg/g
PCB-9	ND	U	9.8	200	pg/g
PCB-10	ND	U	6.1	200	pg/g
PCB-11	ND	U	8.7	200	pg/g
PCB-12/13	ND	U	8.7	200	pg/g
PCB-14	ND	U	7.4	200	pg/g
PCB-15	ND	U	8.3	200	pg/g
PCB-16	ND	U	2.5	200	pg/g
PCB-17	ND	U	2.0	200	pg/g
PCB-18/30	ND	U	1.7	200	pg/g
PCB-19	ND	U	2.2	200	pg/g
PCB-20/28	**10**	**C J B**	**2.0**	**200**	**pg/g**
PCB-21/33	ND	U	2.0	200	pg/g
PCB-22	ND	U	2.1	200	pg/g
PCB-23	ND	U	2.0	200	pg/g
PCB-24	ND	U	1.5	200	pg/g
PCB-25	ND	U	2.0	200	pg/g
PCB-26/29	ND	U	2.0	200	pg/g
PCB-27	ND	U	1.4	200	pg/g
PCB-31	**3.5**	**J Q B**	**1.9**	**200**	**pg/g**
PCB-32	ND	U	1.3	200	pg/g
PCB-34	ND	U	2.0	200	pg/g
PCB-35	ND	U	2.2	200	pg/g
PCB-36	ND	U	1.9	200	pg/g
PCB-37	ND	U	2.3	200	pg/g
PCB-38	ND	U	2.1	200	pg/g
PCB-39	ND	U	1.9	200	pg/g
PCB-40/71	ND	U	2.5	200	pg/g
PCB-41	ND	U	3.0	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 003	**Work Order #....:**	MKCX42AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.91
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	ND	U	2.7	200	pg/g
PCB-43	ND	U	3.0	200	pg/g
PCB-45	ND	U	2.9	200	pg/g
PCB-46	ND	U	3.1	200	pg/g
PCB-44/47/65	**23**	**C J B**	**2.4**	**200**	**pg/g**
PCB-48	ND	U	2.6	200	pg/g
PCB-49/69	**29**	**C J B**	**2.1**	**200**	**pg/g**
PCB-50/53	ND	U	2.5	200	pg/g
PCB-51	ND	U	2.5	200	pg/g
PCB-52	**67**	**J B**	**2.6**	**200**	**pg/g**
PCB-54	ND	U	2.2	200	pg/g
PCB-55	ND	U	2.7	200	pg/g
PCB-56	ND	U	2.8	200	pg/g
PCB-57	ND	U	2.7	200	pg/g
PCB-58	ND	U	2.6	200	pg/g
PCB-59/62/75	ND	U	1.8	200	pg/g
PCB-60	**5.7**	**J Q**	**2.7**	**200**	**pg/g**
PCB-61/70/74/76	**110**	**C J B**	**2.6**	**200**	**pg/g**
PCB-63	**3.6**	**J Q**	**2.4**	**200**	**pg/g**
PCB-64	**9.4**	**J B**	**1.8**	**200**	**pg/g**
PCB-66	**54**	**J B**	**2.7**	**200**	**pg/g**
PCB-67	ND	U	2.5	200	pg/g
PCB-68	ND	U	2.3	200	pg/g
PCB-72	ND	U	2.5	200	pg/g
PCB-73	ND	U	2.0	200	pg/g
PCB-77	ND	U	2.7	20	pg/g
PCB-78	ND	U	2.7	200	pg/g
PCB-79	ND	U	2.3	200	pg/g
PCB-80	ND	U	2.3	200	pg/g
PCB-81	ND	U	2.7	20	pg/g
PCB-82	ND	U	5.3	200	pg/g
PCB-83	**32**	**J**	**4.9**	**200**	**pg/g**
PCB-84	**14**	**J Q**	**5.2**	**200**	**pg/g**
PCB-85/116/117	**90**	**C J**	**3.6**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**200**	**C J**	**3.7**	**200**	**pg/g**
PCB-88/91	**13**	**C J**	**4.4**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 003	**Work Order #....:**	MKCX42AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.91
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	4.7	200	pg/g
PCB-90/101/113	**740**	**C B**	**3.8**	**200**	**pg/g**
PCB-92	**150**	**J**	**4.5**	**200**	**pg/g**
PCB-93/100	ND	U	4.3	200	pg/g
PCB-94	ND	U	4.8	200	pg/g
PCB-95	**98**	**J**	**4.4**	**200**	**pg/g**
PCB-96	ND	U	1.9	200	pg/g
PCB-98/102	ND	U	4.3	200	pg/g
PCB-99	**540**		**4.4**	**200**	**pg/g**
PCB-103	**7.8**	**J**	**4.1**	**200**	**pg/g**
PCB-104	ND	U	1.8	200	pg/g
PCB-105	**180**		**3.5**	**20**	**pg/g**
PCB-106	ND	U	3.8	200	pg/g
PCB-109	**46**	**J**	**2.6**	**200**	**pg/g**
PCB-107/124	**13**	**C J**	**3.4**	**200**	**pg/g**
PCB-110/115	**390**	**C**	**3.3**	**200**	**pg/g**
PCB-111	ND	U	3.2	200	pg/g
PCB-112	ND	U	3.2	200	pg/g
PCB-114	**10**	**J**	**3.4**	**20**	**pg/g**
PCB-118	**590**		**3.2**	**20**	**pg/g**
PCB-120	**9.5**	**J Q**	**3.1**	**200**	**pg/g**
PCB-121	ND	U	3.2	200	pg/g
PCB-122	ND	U	3.7	200	pg/g
PCB-123	**12**	**J**	**3.4**	**20**	**pg/g**
PCB-126	ND	U	4.0	20	pg/g
PCB-127	ND	U	3.2	200	pg/g
PCB-128/166	**310**	**C**	**3.7**	**200**	**pg/g**
PCB-129/138/163	**3400**	**C B**	**3.5**	**200**	**pg/g**
PCB-130	**100**	**J**	**4.9**	**200**	**pg/g**
PCB-131	ND	U	4.6	200	pg/g
PCB-132	**150**	**J**	**4.6**	**200**	**pg/g**
PCB-133	**83**	**J**	**4.5**	**200**	**pg/g**
PCB-134/143	**59**	**C J**	**4.7**	**200**	**pg/g**
PCB-135/151	**940**	**C**	**4.2**	**200**	**pg/g**
PCB-136	**110**	**J**	**3.2**	**200**	**pg/g**
PCB-137	**84**	**J Q**	**3.1**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 003	**Work Order #....:**	MKCX42AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.91
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**27**	**C J**	**4.0**	**200**	**pg/g**
PCB-141	**380**		**5.0**	**200**	**pg/g**
PCB-142	ND	U	5.1	200	pg/g
PCB-144	**92**	**J**	**4.2**	**200**	**pg/g**
PCB-145	ND	U	3.1	200	pg/g
PCB-146	**530**		**3.4**	**200**	**pg/g**
PCB-147/149	**670**	**C**	**4.0**	**200**	**pg/g**
PCB-148	ND	U	4.2	200	pg/g
PCB-150	ND	U	2.9	200	pg/g
PCB-152	ND	U	3.0	200	pg/g
PCB-153/168	**4200**	**C B**	**3.1**	**200**	**pg/g**
PCB-154	**64**	**J**	**3.7**	**200**	**pg/g**
PCB-155	ND	U	3.0	200	pg/g
PCB-156/157	**180**	**C**	**4.6**	**40**	**pg/g**
PCB-158	**250**		**3.0**	**200**	**pg/g**
PCB-159	**9.9**	**J**	**3.5**	**200**	**pg/g**
PCB-160	ND	U	4.7	200	pg/g
PCB-161	ND	U	3.7	200	pg/g
PCB-162	**14**	**J Q**	**3.6**	**200**	**pg/g**
PCB-164	ND	U	4.3	200	pg/g
PCB-165	**3.9**	**J Q**	**3.5**	**200**	**pg/g**
PCB-167	**110**		**3.2**	**20**	**pg/g**
PCB-169	ND	U	3.8	20	pg/g
PCB-170	**1400**		**5.9**	**200**	**pg/g**
PCB-171/173	**530**	**C**	**5.8**	**200**	**pg/g**
PCB-172	**260**		**5.7**	**200**	**pg/g**
PCB-174	**470**		**6.6**	**200**	**pg/g**
PCB-175	**46**	**J**	**3.3**	**200**	**pg/g**
PCB-176	**60**	**J**	**2.3**	**200**	**pg/g**
PCB-177	**480**		**5.9**	**200**	**pg/g**
PCB-178	**410**		**3.5**	**200**	**pg/g**
PCB-179	**350**		**2.6**	**200**	**pg/g**
PCB-180/193	**3300**	**C**	**4.6**	**200**	**pg/g**
PCB-181	ND	U	5.0	200	pg/g
PCB-182	**6.6**	**J Q**	**3.0**	**200**	**pg/g**
PCB-183	**880**		**3.6**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 003	**Work Order #....:**	MKCX42AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.91
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND R	U	2.6	200	pg/g
PCB-185	**100**	**J**	**6.4**	**200**	**pg/g**
PCB-186	ND	U	2.5	200	pg/g
PCB-187	**2200**		**3.1**	**200**	**pg/g**
PCB-188	ND R	U	3.1	200	pg/g
PCB-189	**39**		**2.5**	**20**	**pg/g**
PCB-190	**290**		**4.1**	**200**	**pg/g**
PCB-191	**71**	**J**	**4.1**	**200**	**pg/g**
PCB-192	ND	U	4.4	200	pg/g
PCB-194	**550**		**2.9**	**200**	**pg/g**
PCB-195	**250**		**3.4**	**200**	**pg/g**
PCB-196	**280**		**2.8**	**200**	**pg/g**
PCB-197	**23**	**J**	**1.6**	**200**	**pg/g**
PCB-198/199	**640**	**C**	**3.0**	**200**	**pg/g**
PCB-200	**44**	**J**	**3.1**	**200**	**pg/g**
PCB-201	**80**	**J**	**2.1**	**200**	**pg/g**
PCB-202	**150**	**J**	**2.6**	**200**	**pg/g**
PCB-203	**360**		**2.9**	**200**	**pg/g**
PCB-204	ND	U	2.2	200	pg/g
PCB-205	**29**	**J**	**1.8**	**200**	**pg/g**
PCB-206	**250**		**5.6**	**200**	**pg/g**
PCB-207	**20**	**J Q**	**4.7**	**200**	**pg/g**
PCB-208	**85**	**J**	**5.3**	**200**	**pg/g**
PCB-209	**110**	**J B**	**2.3**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 004	**Work Order #....:**	MKCX62AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	0.99
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10.1 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND	U	0.24	20	pg/g
PCB-2	ND	U	0.18	20	pg/g
PCB-3	ND	U	0.11	20	pg/g
PCB-4	ND	U	0.80	20	pg/g
PCB-5	ND	U	0.64	20	pg/g
PCB-6	ND	U	0.66	20	pg/g
PCB-7	ND	U	0.63	20	pg/g
PCB-8	ND	U	0.65	20	pg/g
PCB-9	ND	U	0.72	20	pg/g
PCB-10	ND	U	0.56	20	pg/g
PCB-11	**6.3** U	**J Q B**	**0.64**	**20**	**pg/g**
PCB-12/13	ND	U	0.64	20	pg/g
PCB-14	ND	U	0.55	20	pg/g
PCB-15	ND	U	0.61	20	pg/g
PCB-16	ND	U	0.19	20	pg/g
PCB-17	**1.1** U	**J B**	**0.15**	**20**	**pg/g**
PCB-18/30	**1.4** U	**C J B**	**0.13**	**20**	**pg/g**
PCB-19	ND	U	0.18	20	pg/g
PCB-20/28	**15** U	**C J B**	**0.18**	**20**	**pg/g**
PCB-21/33	**0.92** U	**C J Q B**	**0.18**	**20**	**pg/g**
PCB-22	**2.1** U	**J B**	**0.19**	**20**	**pg/g**
PCB-23	ND	U	0.18	20	pg/g
PCB-24	ND	U	0.11	20	pg/g
PCB-25	**0.54**	**J**	**0.18**	**20**	**pg/g**
PCB-26/29	**1.5** U	**C J B**	**0.18**	**20**	**pg/g**
PCB-27	ND	U	0.11	20	pg/g
PCB-31	**5.3** U	**J B**	**0.17**	**20**	**pg/g**
PCB-32	**0.93** U	**J B**	**0.10**	**20**	**pg/g**
PCB-34	ND	U	0.18	20	pg/g
PCB-35	ND	U	0.19	20	pg/g
PCB-36	ND	U	0.17	20	pg/g
PCB-37	ND	U	0.20	20	pg/g
PCB-38	ND	U	0.19	20	pg/g
PCB-39	ND	U	0.17	20	pg/g
PCB-40/71	**4.3** U	**C J B**	**0.18**	**20**	**pg/g**
PCB-41	ND	U	0.22	20	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 004	**Work Order #....:**	MKCX62AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	0.99
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10.1 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**3.4** U	**J B**	**0.20**	**20**	**pg/g**
PCB-43	ND	U	0.22	20	pg/g
PCB-45	ND	U	0.21	20	pg/g
PCB-46	ND	U	0.22	20	pg/g
PCB-44/47/65	**42**	**C B**	**0.17**	**20**	**pg/g**
PCB-48	**1.7** U	**J Q B**	**0.18**	**20**	**pg/g**
PCB-49/69	**56**	**C B**	**0.15**	**20**	**pg/g**
PCB-50/53	**1.3** U	**C J B**	**0.18**	**20**	**pg/g**
PCB-51	ND	U	0.18	20	pg/g
PCB-52	**150**	**B**	**0.19**	**20**	**pg/g**
PCB-54	ND	U	0.12	20	pg/g
PCB-55	ND	U	0.28	20	pg/g
PCB-56	**3.8**	**J B**	**0.29**	**20**	**pg/g**
PCB-57	ND	U	0.28	20	pg/g
PCB-58	**4.7**	**J**	**0.27**	**20**	**pg/g**
PCB-59/62/75	**6.6**	**C J**	**0.13**	**20**	**pg/g**
PCB-60	**15**	**J**	**0.28**	**20**	**pg/g**
PCB-61/70/74/76	**160**	**C B**	**0.27**	**20**	**pg/g**
PCB-63	**3.4**	**J**	**0.25**	**20**	**pg/g**
PCB-64	**20**	**J B**	**0.13**	**20**	**pg/g**
PCB-66	**94**	**B**	**0.28**	**20**	**pg/g**
PCB-67	**0.32** U	**J Q**	**0.26**	**20**	**pg/g**
PCB-68	**1.8**	**J**	**0.24**	**20**	**pg/g**
PCB-72	**2.1** U	**J Q**	**0.26**	**20**	**pg/g**
PCB-73	ND	U	0.14	20	pg/g
PCB-77	**0.87**	**J**	**0.29**	**2.0**	**pg/g**
PCB-78	ND	U	0.28	20	pg/g
PCB-79	ND	U	0.24	20	pg/g
PCB-80	ND	U	0.24	20	pg/g
PCB-81	ND	U	0.28	2.0	pg/g
PCB-82	**13**	**J**	**0.87**	**20**	**pg/g**
PCB-83	**58** J		**0.80**	**20**	**pg/g**
PCB-84	**30**		**0.86**	**20**	**pg/g**
PCB-85/116/117	**160**	**C B**	**0.59**	**20**	**pg/g**
PCB-86/87/97/108/119/125	**340**	**C**	**0.62**	**20**	**pg/g**
PCB-88/91	**25**	**C**	**0.72**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 004	**Work Order #....:**	MKCX62AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	0.99
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10.1 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND		U	0.77	20	pg/g
PCB-90/101/113	**1500**		**C B**	**0.63**	**20**	**pg/g**
PCB-92	**240**			**0.74**	**20**	**pg/g**
PCB-93/100	**5.4**		**C J**	**0.71**	**20**	**pg/g**
PCB-94	ND		U	0.78	20	pg/g
PCB-95	**200**		**B**	**0.73**	**20**	**pg/g**
PCB-96	ND		U	0.096	20	pg/g
PCB-98/102	**2.0**	U	**C J Q**	**0.71**	**20**	**pg/g**
PCB-99	**970**	J		**0.73**	**20**	**pg/g**
PCB-103	**21**			**0.67**	**20**	**pg/g**
PCB-104	ND		U	0.075	20	pg/g
PCB-105	**280**			**0.62**	**2.0**	**pg/g**
PCB-106	ND		U	0.63	20	pg/g
PCB-109	**72**			**0.43**	**20**	**pg/g**
PCB-107/124	**20**		**C**	**0.56**	**20**	**pg/g**
PCB-110/115	**600**		**C**	**0.54**	**20**	**pg/g**
PCB-111	**1.8**	U	**J Q**	**0.52**	**20**	**pg/g**
PCB-112	ND		U	0.52	20	pg/g
PCB-114	**24**			**0.61**	**2.0**	**pg/g**
PCB-118	**980**		**B**	**0.55**	**2.0**	**pg/g**
PCB-120	**12**		**J**	**0.52**	**20**	**pg/g**
PCB-121	**0.61**	U	**J Q**	**0.52**	**20**	**pg/g**
PCB-122	**2.0**	U	**J Q**	**0.60**	**20**	**pg/g**
PCB-123	**13**		**Q**	**0.58**	**2.0**	**pg/g**
PCB-126	ND		U	0.73	2.0	pg/g
PCB-127	**2.1**		**J**	**0.53**	**20**	**pg/g**
PCB-128/166	**640**		**C**	**0.46**	**20**	**pg/g**
PCB-129/138/163	**7400**	R	**C E B**	**0.45**	**20**	**pg/g**
PCB-130	**140**			**0.63**	**20**	**pg/g**
PCB-131	**14**		**J**	**0.58**	**20**	**pg/g**
PCB-132	**330**			**0.59**	**20**	**pg/g**
PCB-133	**150**			**0.57**	**20**	**pg/g**
PCB-134/143	**0.94**	U	**C J Q**	**0.60**	**20**	**pg/g**
PCB-135/151	**2100**	R	**C E**	**0.53**	**20**	**pg/g**
PCB-136	**290**			**0.40**	**20**	**pg/g**
PCB-137	**61**			**0.39**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 004	**Work Order #....:**	MKCX62AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	0.99
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10.1 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**58**	**C**	**0.51**	**20**	**pg/g**
PCB-141	**920**		**0.64**	**20**	**pg/g**
PCB-142	ND	U	0.64	20	pg/g
PCB-144	**200**		**0.53**	**20**	**pg/g**
PCB-145	ND	U	0.40	20	pg/g
PCB-146	**1000**		**0.43**	**20**	**pg/g**
PCB-147/149	**1300**	**C B**	**0.51**	**20**	**pg/g**
PCB-148	**5.3**	**J**	**0.53**	**20**	**pg/g**
PCB-150	**1.2**	**J**	**0.37**	**20**	**pg/g**
PCB-152	ND	U	0.38	20	pg/g
PCB-153/168	**9200** R	**C E B**	**0.39**	**20**	**pg/g**
PCB-154	**140**		**0.47**	**20**	**pg/g**
PCB-155	**0.60** U	**J Q**	**0.29**	**20**	**pg/g**
PCB-156/157	**360**	**C**	**1.4**	**4.0**	**pg/g**
PCB-158	**530**		**0.39**	**20**	**pg/g**
PCB-159	**15**	**J**	**0.96**	**20**	**pg/g**
PCB-160	ND	U	0.60	20	pg/g
PCB-161	ND	U	0.47	20	pg/g
PCB-162	**20**	**J**	**0.98**	**20**	**pg/g**
PCB-164	**180**		**0.55**	**20**	**pg/g**
PCB-165	**13**	**J**	**0.44**	**20**	**pg/g**
PCB-167	**210**		**0.95**	**2.0**	**pg/g**
PCB-169	**11**		**1.3**	**2.0**	**pg/g**
PCB-170	**2300** R	**E**	**1.3**	**20**	**pg/g**
PCB-171/173	**900**	**C**	**1.3**	**20**	**pg/g**
PCB-172	**440**		**1.3**	**20**	**pg/g**
PCB-174	**600**		**1.5**	**20**	**pg/g**
PCB-175	**88**		**0.25**	**20**	**pg/g**
PCB-176	**110**		**0.18**	**20**	**pg/g**
PCB-177	**470**		**1.3**	**20**	**pg/g**
PCB-178	**650**		**0.27**	**20**	**pg/g**
PCB-179	**730**		**0.20**	**20**	**pg/g**
PCB-180/193	**5300** R	**C E**	**1.1**	**20**	**pg/g**
PCB-181	**9.6**	**J**	**1.1**	**20**	**pg/g**
PCB-182	**15**	**J**	**0.23**	**20**	**pg/g**
PCB-183	**1500** J		**0.82**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 004	**Work Order #....:**	MKCX62AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	0.99
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10.1 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	1.6	U	J Q	0.19	20	pg/g
PCB-185	160	J		1.4	20	pg/g
PCB-186	ND		U	0.19	20	pg/g
PCB-187	3700	R	E	0.24	20	pg/g
PCB-188	1.8	U	J Q	0.16	20	pg/g
PCB-189	88			0.74	2.0	pg/g
PCB-190	460			0.94	20	pg/g
PCB-191	130			0.94	20	pg/g
PCB-192	ND		U	1.0	20	pg/g
PCB-194	970			0.53	20	pg/g
PCB-195	380			0.61	20	pg/g
PCB-196	520			0.42	20	pg/g
PCB-197	42			0.24	20	pg/g
PCB-198/199	1000		C	0.45	20	pg/g
PCB-200	81			0.46	20	pg/g
PCB-201	150			0.31	20	pg/g
PCB-202	210			0.31	20	pg/g
PCB-203	700			0.43	20	pg/g
PCB-204	ND		U	0.32	20	pg/g
PCB-205	55	U	Q	0.41	20	pg/g
PCB-206	410			0.46	20	pg/g
PCB-207	37			0.36	20	pg/g
PCB-208	130			0.38	20	pg/g
PCB-209	170			0.18	20	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 004	**Work Order #....:**	MKCX63AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.9
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10.1 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND R	U	1.6	200	pg/g
PCB-2	ND	U	1.7	200	pg/g
PCB-3	ND	U	1.6	200	pg/g
PCB-4	ND	U	9.0	200	pg/g
PCB-5	ND	U	7.0	200	pg/g
PCB-6	ND	U	7.2	200	pg/g
PCB-7	ND	U	6.9	200	pg/g
PCB-8	ND	U	7.1	200	pg/g
PCB-9	ND	U	7.9	200	pg/g
PCB-10	ND	U	7.1	200	pg/g
PCB-11	ND	U	7.0	200	pg/g
PCB-12/13	ND	U	7.0	200	pg/g
PCB-14	ND	U	6.0	200	pg/g
PCB-15	ND	U	7.1	200	pg/g
PCB-16	ND	U	2.3	200	pg/g
PCB-17	ND	U	1.8	200	pg/g
PCB-18/30	ND	U	1.5	200	pg/g
PCB-19	ND	U	2.0	200	pg/g
PCB-20/28	**16**	**C J B**	**1.6**	**200**	**pg/g**
PCB-21/33	ND	U	1.5	200	pg/g
PCB-22	ND	U	1.7	200	pg/g
PCB-23	ND	U	1.6	200	pg/g
PCB-24	ND	U	1.4	200	pg/g
PCB-25	ND	U	1.6	200	pg/g
PCB-26/29	ND	U	1.5	200	pg/g
PCB-27	ND	U	1.3	200	pg/g
PCB-31	**6.0**	**J B**	**1.5**	**200**	**pg/g**
PCB-32	ND	U	1.2	200	pg/g
PCB-34	ND	U	1.6	200	pg/g
PCB-35	ND	U	1.7	200	pg/g
PCB-36	ND	U	1.5	200	pg/g
PCB-37	ND	U	1.8	200	pg/g
PCB-38	ND	U	1.6	200	pg/g
PCB-39	ND	U	1.5	200	pg/g
PCB-40/71	**3.6**	**C J Q B**	**1.5**	**200**	**pg/g**
PCB-41	ND	U	1.8	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 004	**Work Order #....:**	MKCX63AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.9
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10.1 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	ND R	U	1.7	200	pg/g
PCB-43	ND	U	1.8	200	pg/g
PCB-45	ND	U	1.8	200	pg/g
PCB-46	ND	U	1.9	200	pg/g
PCB-44/47/65	**34**	**C J B**	**1.4**	**200**	**pg/g**
PCB-48	ND	U	1.6	200	pg/g
PCB-49/69	**44**	**C J B**	**1.3**	**200**	**pg/g**
PCB-50/53	ND	U	1.5	200	pg/g
PCB-51	ND	U	1.5	200	pg/g
PCB-52	**110**	**J B**	**1.6**	**200**	**pg/g**
PCB-54	ND	U	0.80	200	pg/g
PCB-55	ND	U	2.3	200	pg/g
PCB-56	ND	U	2.3	200	pg/g
PCB-57	ND	U	2.2	200	pg/g
PCB-58	ND	U	2.2	200	pg/g
PCB-59/62/75	**6.3**	**C J**	**1.1**	**200**	**pg/g**
PCB-60	**10**	**J Q**	**2.3**	**200**	**pg/g**
PCB-61/70/74/76	**140**	**C J B**	**2.2**	**200**	**pg/g**
PCB-63	ND	U	2.0	200	pg/g
PCB-64	**17**	**J B**	**1.1**	**200**	**pg/g**
PCB-66	**83**	**J B**	**2.3**	**200**	**pg/g**
PCB-67	ND	U	2.1	200	pg/g
PCB-68	ND	U	2.0	200	pg/g
PCB-72	ND	U	2.1	200	pg/g
PCB-73	ND	U	1.2	200	pg/g
PCB-77	ND	U	2.4	20	pg/g
PCB-78	ND	U	2.3	200	pg/g
PCB-79	ND	U	2.0	200	pg/g
PCB-80	ND	U	2.0	200	pg/g
PCB-81	ND	U	2.7	20	pg/g
PCB-82	ND	U	4.2	200	pg/g
PCB-83	**140**	**J**	**3.9**	**200**	**pg/g**
PCB-84	**29**	**J**	**4.2**	**200**	**pg/g**
PCB-85/116/117	**140**	**C J B**	**2.9**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**320**	**C**	**3.0**	**200**	**pg/g**
PCB-88/91	**23**	**C J**	**3.5**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 004	**Work Order #....:**	MKCX63AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.9
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10.1 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	3.8	200	pg/g
PCB-90/101/113	**1300**	**C B**	**3.1**	**200**	**pg/g**
PCB-92	**220**		**3.6**	**200**	**pg/g**
PCB-93/100	ND	U	3.5	200	pg/g
PCB-94	ND	U	3.8	200	pg/g
PCB-95	**170**	**J B**	**3.6**	**200**	**pg/g**
PCB-96	ND	U	1.1	200	pg/g
PCB-98/102	ND	U	3.5	200	pg/g
PCB-99	**730**		**3.5**	**200**	**pg/g**
PCB-103	**18**	**J**	**3.3**	**200**	**pg/g**
PCB-104	ND	U	0.84	200	pg/g
PCB-105	**290**		**3.0**	**20**	**pg/g**
PCB-106	ND	U	3.1	200	pg/g
PCB-109	**69**	**J**	**2.1**	**200**	**pg/g**
PCB-107/124	**16**	**C J**	**2.7**	**200**	**pg/g**
PCB-110/115	**580**	**C**	**2.6**	**200**	**pg/g**
PCB-111	ND	U	2.5	200	pg/g
PCB-112	ND	U	2.5	200	pg/g
PCB-114	**19**	**J Q**	**2.9**	**20**	**pg/g**
PCB-118	**1000**	**B**	**2.7**	**20**	**pg/g**
PCB-120	**7.1**	**J Q**	**2.5**	**200**	**pg/g**
PCB-121	ND	U	2.5	200	pg/g
PCB-122	ND	U	2.9	200	pg/g
PCB-123	**16**	**J**	**2.8**	**20**	**pg/g**
PCB-126	ND	U	3.0	20	pg/g
PCB-127	ND	U	2.6	200	pg/g
PCB-128/166	**610**	**C**	**2.2**	**200**	**pg/g**
PCB-129/138/163	**7000**	**C B**	**2.2**	**200**	**pg/g**
PCB-130	**140**	**J**	**3.0**	**200**	**pg/g**
PCB-131	**8.1**	**J Q**	**2.8**	**200**	**pg/g**
PCB-132	**280**		**2.8**	**200**	**pg/g**
PCB-133	**130**	**J**	**2.8**	**200**	**pg/g**
PCB-134/143	**92**	**C J**	**2.9**	**200**	**pg/g**
PCB-135/151	**1700**	**C**	**2.6**	**200**	**pg/g**
PCB-136	**220**		**1.9**	**200**	**pg/g**
PCB-137	**70**	**J**	**1.9**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 004	**Work Order #....:**	MKCX63AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.9
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10.1 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**40**	**C J Q**	**2.5**	**200**	**pg/g**
PCB-141	**760**		**3.1**	**200**	**pg/g**
PCB-142	ND	U	3.1	200	pg/g
PCB-144	ND	U	2.5	200	pg/g
PCB-145	ND	U	1.9	200	pg/g
PCB-146	**890**		**2.1**	**200**	**pg/g**
PCB-147/149	**1000**	**C B**	**2.5**	**200**	**pg/g**
PCB-148	ND	U	2.6	200	pg/g
PCB-150	ND	U	1.8	200	pg/g
PCB-152	ND	U	1.8	200	pg/g
PCB-153/168	**8600**	**C B**	**1.9**	**200**	**pg/g**
PCB-154	**110**	**J**	**2.3**	**200**	**pg/g**
PCB-155	ND	U	1.7	200	pg/g
PCB-156/157	**350**	**C**	**5.1**	**40**	**pg/g**
PCB-158	**510**		**1.9**	**200**	**pg/g**
PCB-159	**9.9**	**J Q**	**3.6**	**200**	**pg/g**
PCB-160	ND	U	2.9	200	pg/g
PCB-161	ND	U	2.3	200	pg/g
PCB-162	**20**	**J Q**	**3.6**	**200**	**pg/g**
PCB-164	**150**	**J**	**2.7**	**200**	**pg/g**
PCB-165	**7.4**	**J**	**2.1**	**200**	**pg/g**
PCB-167	**200**		**3.1**	**20**	**pg/g**
PCB-169	**4.1**	**J Q**	**4.1**	**20**	**pg/g**
PCB-170	**2600**		**4.3**	**200**	**pg/g**
PCB-171/173	**950**	**C**	**4.3**	**200**	**pg/g**
PCB-172	**500**		**4.2**	**200**	**pg/g**
PCB-174	**550**		**4.8**	**200**	**pg/g**
PCB-175	**92**	**J**	**1.8**	**200**	**pg/g**
PCB-176	**110**	**J**	**1.2**	**200**	**pg/g**
PCB-177	**500**		**4.3**	**200**	**pg/g**
PCB-178	**610**		**1.9**	**200**	**pg/g**
PCB-179	**660**		**1.4**	**200**	**pg/g**
PCB-180/193	**6100**	**C**	**3.4**	**200**	**pg/g**
PCB-181	ND	U	3.7	200	pg/g
PCB-182	**8.8**	**J Q**	**1.6**	**200**	**pg/g**
PCB-183	**1600**		**2.6**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 004	**Work Order #....:**	MKCX63AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.9
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10.1 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND R	U	1.4	200	pg/g
PCB-185	ND	U	4.7	200	pg/g
PCB-186	ND	U	1.3	200	pg/g
PCB-187	**3900**		**1.7**	**200**	**pg/g**
PCB-188	ND R	U	1.4	200	pg/g
PCB-189	**79**	**Q**	**2.3**	**20**	**pg/g**
PCB-190	**570**		**3.0**	**200**	**pg/g**
PCB-191	**140**	**J**	**3.0**	**200**	**pg/g**
PCB-192	ND	U	3.2	200	pg/g
PCB-194	**1100**		**2.0**	**200**	**pg/g**
PCB-195	**350**		**2.3**	**200**	**pg/g**
PCB-196	**510**		**1.6**	**200**	**pg/g**
PCB-197	**45**	**J**	**0.91**	**200**	**pg/g**
PCB-198/199	**980**	**C**	**1.7**	**200**	**pg/g**
PCB-200	**61**	**J**	**1.8**	**200**	**pg/g**
PCB-201	**130**	**J**	**1.2**	**200**	**pg/g**
PCB-202	**210**		**1.5**	**200**	**pg/g**
PCB-203	**640**		**1.7**	**200**	**pg/g**
PCB-204	ND	U	1.2	200	pg/g
PCB-205	**53**	**J**	**1.1**	**200**	**pg/g**
PCB-206	**420**		**2.4**	**200**	**pg/g**
PCB-207	**31**	**J**	**2.1**	**200**	**pg/g**
PCB-208	**130**	**J**	**2.5**	**200**	**pg/g**
PCB-209	**170**	**J**	**0.83**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 005	**Work Order #....:**	MKCX71AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND		U	1.2	200	pg/g
PCB-2	ND		U	1.3	200	pg/g
PCB-3	ND		U	1.3	200	pg/g
PCB-4	ND		U	10	200	pg/g
PCB-5	ND		U	8.1	200	pg/g
PCB-6	ND		U	8.4	200	pg/g
PCB-7	ND		U	8.0	200	pg/g
PCB-8	ND		U	8.3	200	pg/g
PCB-9	ND		U	9.2	200	pg/g
PCB-10	ND		U	7.1	200	pg/g
PCB-11	ND		U	16	200	pg/g
PCB-12/13	ND		U	8.2	200	pg/g
PCB-14	ND		U	7.0	200	pg/g
PCB-15	ND		U	7.7	200	pg/g
PCB-16	ND		U	3.3	200	pg/g
PCB-17	ND		U	2.6	200	pg/g
PCB-18/30	**2.8**	U	**C J B**	**2.2**	**200**	**pg/g**
PCB-19	ND		U	2.7	200	pg/g
PCB-20/28	**14**		**C J B**	**2.3**	**200**	**pg/g**
PCB-21/33	ND		U	2.3	200	pg/g
PCB-22	ND		U	2.4	200	pg/g
PCB-23	ND		U	2.3	200	pg/g
PCB-24	ND		U	2.0	200	pg/g
PCB-25	ND		U	2.3	200	pg/g
PCB-26/29	ND		U	2.3	200	pg/g
PCB-27	ND		U	1.9	200	pg/g
PCB-31	**4.0**	U	**J B**	**2.2**	**200**	**pg/g**
PCB-32	ND		U	1.8	200	pg/g
PCB-34	ND		U	2.3	200	pg/g
PCB-35	ND		U	2.5	200	pg/g
PCB-36	ND		U	2.2	200	pg/g
PCB-37	ND		U	2.8	200	pg/g
PCB-38	ND		U	2.4	200	pg/g
PCB-39	ND		U	2.2	200	pg/g
PCB-40/71	ND		U	3.5	200	pg/g
PCB-41	ND		U	4.2	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 005	**Work Order #....:**	MKCX71AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	ND	U	3.8	200	pg/g
PCB-43	ND	U	4.2	200	pg/g
PCB-45	ND	U	4.0	200	pg/g
PCB-46	ND	U	4.3	200	pg/g
PCB-44/47/65	**55**	**C J B**	**3.3**	**200**	**pg/g**
PCB-48	ND	U	3.6	200	pg/g
PCB-49/69	**80**	**C J B**	**2.9**	**200**	**pg/g**
PCB-50/53	ND	U	3.5	200	pg/g
PCB-51	ND	U	3.4	200	pg/g
PCB-52	**280**	**B**	**3.6**	**200**	**pg/g**
PCB-54	ND	U	2.7	200	pg/g
PCB-55	ND	U	3.2	200	pg/g
PCB-56	**5.5** U	**J Q**	**3.3**	**200**	**pg/g**
PCB-57	ND	U	3.2	200	pg/g
PCB-58	**7.3** U	**J Q**	**3.1**	**200**	**pg/g**
PCB-59/62/75	ND	U	2.5	200	pg/g
PCB-60	**28**	**J**	**3.3**	**200**	**pg/g**
PCB-61/70/74/76	**350**	**C B**	**3.1**	**200**	**pg/g**
PCB-63	**4.3** U	**J Q**	**2.9**	**200**	**pg/g**
PCB-64	**32**	**J B**	**2.4**	**200**	**pg/g**
PCB-66	**160**	**J B**	**3.3**	**200**	**pg/g**
PCB-67	ND	U	3.0	200	pg/g
PCB-68	ND	U	2.8	200	pg/g
PCB-72	**4.8**	**J**	**3.1**	**200**	**pg/g**
PCB-73	ND	U	2.7	200	pg/g
PCB-77	ND	U	3.4	20	pg/g
PCB-78	ND	U	3.3	200	pg/g
PCB-79	ND	U	2.8	200	pg/g
PCB-80	ND	U	2.8	200	pg/g
PCB-81	ND	U	3.1	20	pg/g
PCB-82	**30**	**J**	**6.3**	**200**	**pg/g**
PCB-83	**27** UJ	**J Q**	**5.8**	**200**	**pg/g**
PCB-84	**58**	**J**	**6.2**	**200**	**pg/g**
PCB-85/116/117	**320**	**C**	**4.3**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**650**	**C**	**4.5**	**200**	**pg/g**
PCB-88/91	**38**	**C J**	**5.2**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 005	**Work Order #....:**	MKCX71AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND		U	5.6	200	pg/g
PCB-90/101/113	**2100**		**C B**	**4.5**	**200**	**pg/g**
PCB-92	**380**			**5.4**	**200**	**pg/g**
PCB-93/100	**9.4**		**C J**	**5.1**	**200**	**pg/g**
PCB-94	ND		U	5.7	200	pg/g
PCB-95	**280**			**5.3**	**200**	**pg/g**
PCB-96	ND		U	2.9	200	pg/g
PCB-98/102	ND		U	5.2	200	pg/g
PCB-99	**1500**	J		**5.3**	**200**	**pg/g**
PCB-103	**34**		**J**	**4.8**	**200**	**pg/g**
PCB-104	ND		U	2.8	200	pg/g
PCB-105	**630**			**3.9**	**20**	**pg/g**
PCB-106	ND		U	4.6	200	pg/g
PCB-109	**120**		**J**	**3.1**	**200**	**pg/g**
PCB-107/124	**37**	U	**C J Q**	**4.0**	**200**	**pg/g**
PCB-110/115	**1100**		**C**	**3.9**	**200**	**pg/g**
PCB-111	ND		U	3.8	200	pg/g
PCB-112	ND		U	3.8	200	pg/g
PCB-114	**50**			**4.4**	**20**	**pg/g**
PCB-118	**1800**			**3.9**	**20**	**pg/g**
PCB-120	**11**	U	**J Q**	**3.7**	**200**	**pg/g**
PCB-121	ND		U	3.8	200	pg/g
PCB-122	ND		U	4.4	200	pg/g
PCB-123	**25**			**3.9**	**20**	**pg/g**
PCB-126	ND		U	4.7	20	pg/g
PCB-127	ND		U	3.9	200	pg/g
PCB-128/166	**690**		**C**	**3.2**	**200**	**pg/g**
PCB-129/138/163	**7600**		**C B**	**3.1**	**200**	**pg/g**
PCB-130	**170**		**J**	**4.3**	**200**	**pg/g**
PCB-131	**18**	U	**J Q**	**4.0**	**200**	**pg/g**
PCB-132	**380**			**4.0**	**200**	**pg/g**
PCB-133	**150**		**J**	**3.9**	**200**	**pg/g**
PCB-134/143	**140**		**C J**	**4.1**	**200**	**pg/g**
PCB-135/151	**2000**		**C**	**3.7**	**200**	**pg/g**
PCB-136	**370**			**2.8**	**200**	**pg/g**
PCB-137	**100**		**J**	**2.7**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 005	**Work Order #....:**	MKCX71AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**66**	**C J**	**3.5**	**200**	**pg/g**
PCB-141	**950**		**4.4**	**200**	**pg/g**
PCB-142	ND	U	4.4	200	pg/g
PCB-144	**220**		**3.6**	**200**	**pg/g**
PCB-145	ND	U	2.7	200	pg/g
PCB-146	**990**		**2.9**	**200**	**pg/g**
PCB-147/149	**1300**	**C**	**3.5**	**200**	**pg/g**
PCB-148	ND	U	3.6	200	pg/g
PCB-150	ND	U	2.5	200	pg/g
PCB-152	ND	U	2.6	200	pg/g
PCB-153/168	**9200**	**C B**	**2.7**	**200**	**pg/g**
PCB-154	**130**	**J**	**3.3**	**200**	**pg/g**
PCB-155	ND	U	3.1	200	pg/g
PCB-156/157	**470**	**C**	**4.1**	**40**	**pg/g**
PCB-158	**550**		**2.6**	**200**	**pg/g**
PCB-159	ND	U	3.3	200	pg/g
PCB-160	ND	U	4.1	200	pg/g
PCB-161	ND	U	3.2	200	pg/g
PCB-162	**26**	**J**	**3.3**	**200**	**pg/g**
PCB-164	**210**		**3.8**	**200**	**pg/g**
PCB-165	**8.0** U	**J Q**	**3.0**	**200**	**pg/g**
PCB-167	**240**		**2.8**	**20**	**pg/g**
PCB-169	ND	U	3.3	20	pg/g
PCB-170	**2800**		**5.7**	**200**	**pg/g**
PCB-171/173	**1100**	**C**	**5.7**	**200**	**pg/g**
PCB-172	**560**		**5.6**	**200**	**pg/g**
PCB-174	**1000**		**6.4**	**200**	**pg/g**
PCB-175	**97**	**J**	**3.3**	**200**	**pg/g**
PCB-176	**140**	**J**	**2.3**	**200**	**pg/g**
PCB-177	**870**		**5.7**	**200**	**pg/g**
PCB-178	**740**		**3.4**	**200**	**pg/g**
PCB-179	**820**		**2.5**	**200**	**pg/g**
PCB-180/193	**7300**	**C**	**4.5**	**200**	**pg/g**
PCB-181	**7.9** U	**J Q**	**4.9**	**200**	**pg/g**
PCB-182	**17**	**J**	**2.9**	**200**	**pg/g**
PCB-183	**1800** J		**3.5**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 005	**Work Order #....:**	MKCX71AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U	2.5	200	pg/g
PCB-185	**230** J		**6.2**	**200**	**pg/g**
PCB-186	ND	U	2.4	200	pg/g
PCB-187	**4100**		**3.1**	**200**	**pg/g**
PCB-188	ND	U	3.1	200	pg/g
PCB-189	**74**		**1.8**	**20**	**pg/g**
PCB-190	**600**		**4.0**	**200**	**pg/g**
PCB-191	**150**	**J**	**4.0**	**200**	**pg/g**
PCB-192	ND	U	4.3	200	pg/g
PCB-194	**1200**		**2.5**	**200**	**pg/g**
PCB-195	**530**		**2.9**	**200**	**pg/g**
PCB-196	**610**		**2.8**	**200**	**pg/g**
PCB-197	**47**	**J**	**1.6**	**200**	**pg/g**
PCB-198/199	**1400**	**C**	**3.0**	**200**	**pg/g**
PCB-200	**100**	**J**	**3.0**	**200**	**pg/g**
PCB-201	**170**	**J**	**2.1**	**200**	**pg/g**
PCB-202	**300**		**2.9**	**200**	**pg/g**
PCB-203	**830**		**2.9**	**200**	**pg/g**
PCB-204	ND	U	2.2	200	pg/g
PCB-205	**56** U	**J Q**	**1.3**	**200**	**pg/g**
PCB-206	**460**		**3.7**	**200**	**pg/g**
PCB-207	**41**	**J**	**3.1**	**200**	**pg/g**
PCB-208	**160**	**J**	**3.5**	**200**	**pg/g**
PCB-209	**180**	**J B**	**1.4**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW6_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 006	**Work Order #....:**	MKCX81AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.9
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.19 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND		U	1.5	200	pg/g
PCB-2	ND		U	1.5	200	pg/g
PCB-3	ND		U	1.4	200	pg/g
PCB-4	ND		U	11	200	pg/g
PCB-5	ND		U	8.4	200	pg/g
PCB-6	ND		U	8.7	200	pg/g
PCB-7	ND		U	8.3	200	pg/g
PCB-8	ND		U	8.6	200	pg/g
PCB-9	ND		U	9.5	200	pg/g
PCB-10	ND		U	7.3	200	pg/g
PCB-11	ND		U	12	200	pg/g
PCB-12/13	ND		U	8.5	200	pg/g
PCB-14	ND		U	7.2	200	pg/g
PCB-15	ND		U	7.6	200	pg/g
PCB-16	ND		U	2.4	200	pg/g
PCB-17	ND		U	1.9	200	pg/g
PCB-18/30	**1.8**	U	**C J Q B**	**1.6**	**200**	**pg/g**
PCB-19	ND		U	2.4	200	pg/g
PCB-20/28	**24**	U	**C J Q B**	**1.8**	**200**	**pg/g**
PCB-21/33	ND		U	1.7	200	pg/g
PCB-22	ND		U	1.9	200	pg/g
PCB-23	ND		U	1.8	200	pg/g
PCB-24	ND		U	1.5	200	pg/g
PCB-25	ND		U	1.8	200	pg/g
PCB-26/29	**3.2**	U	**C J Q**	**1.7**	**200**	**pg/g**
PCB-27	ND		U	1.4	200	pg/g
PCB-31	**10**		**J B**	**1.7**	**200**	**pg/g**
PCB-32	ND		U	1.3	200	pg/g
PCB-34	ND		U	1.8	200	pg/g
PCB-35	ND		U	1.9	200	pg/g
PCB-36	ND		U	1.7	200	pg/g
PCB-37	ND		U	1.9	200	pg/g
PCB-38	ND		U	1.8	200	pg/g
PCB-39	ND		U	1.6	200	pg/g
PCB-40/71	ND		U	2.2	200	pg/g
PCB-41	ND		U	2.7	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW6_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 006	**Work Order #....:**	MKCX81AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Reccived....:**	06/20/11	**Dilution Factor:**	9.9
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.19 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	ND		U	2.4	200	pg/g
PCB-43	ND		U	2.7	200	pg/g
PCB-45	ND		U	2.6	200	pg/g
PCB-46	ND		U	2.7	200	pg/g
PCB-44/47/65	**79**		**C J B**	**2.1**	**200**	**pg/g**
PCB-48	ND		U	2.3	200	pg/g
PCB-49/69	**98**		**C J B**	**1.8**	**200**	**pg/g**
PCB-50/53	**2.7**		**C J**	**2.2**	**200**	**pg/g**
PCB-51	ND		U	2.2	200	pg/g
PCB-52	**330**		**B**	**2.3**	**200**	**pg/g**
PCB-54	ND		U	2.4	200	pg/g
PCB-55	ND		U	2.6	200	pg/g
PCB-56	**2.9**	U	**J Q**	**2.7**	**200**	**pg/g**
PCB-57	ND		U	2.6	200	pg/g
PCB-58	ND		U	2.5	200	pg/g
PCB-59/62/75	ND		U	1.6	200	pg/g
PCB-60	**36**		**J**	**2.7**	**200**	**pg/g**
PCB-61/70/74/76	**400**		**C B**	**2.5**	**200**	**pg/g**
PCB-63	ND		U	2.4	200	pg/g
PCB-64	**34**		**J B**	**1.6**	**200**	**pg/g**
PCB-66	**220**		**B**	**2.7**	**200**	**pg/g**
PCB-67	ND		U	2.4	200	pg/g
PCB-68	ND		U	2.3	200	pg/g
PCB-72	**8.3**	U	**J Q**	**2.5**	**200**	**pg/g**
PCB-73	ND		U	1.7	200	pg/g
PCB-77	ND		U	2.5	20	pg/g
PCB-78	ND		U	2.7	200	pg/g
PCB-79	ND		U	2.3	200	pg/g
PCB-80	ND		U	2.3	200	pg/g
PCB-81	ND		U	2.6	20	pg/g
PCB-82	**15**	U	**J Q**	**5.8**	**200**	**pg/g**
PCB-83	**340**	J		**5.3**	**200**	**pg/g**
PCB-84	**31**		**J**	**5.7**	**200**	**pg/g**
PCB-85/116/117	**450**		**C**	**3.9**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**830**		**C**	**4.1**	**200**	**pg/g**
PCB-88/91	**25**		**C J**	**4.8**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW6_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 006	**Work Order #....:**	MKCX81AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.9
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.19 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	5.1	200	pg/g
PCB-90/101/113	**3600**	**C B**	**4.1**	**200**	**pg/g**
PCB-92	**890**		**4.9**	**200**	**pg/g**
PCB-93/100	**43**	**C J**	**4.7**	**200**	**pg/g**
PCB-94	ND	U	5.2	200	pg/g
PCB-95	**170**	**J**	**4.8**	**200**	**pg/g**
PCB-96	ND	U	2.0	200	pg/g
PCB-98/102	ND	U	4.7	200	pg/g
PCB-99	**2500** J		**4.8**	**200**	**pg/g**
PCB-103	**69**	**J**	**4.4**	**200**	**pg/g**
PCB-104	ND	U	2.0	200	pg/g
PCB-105	**870**		**3.7**	**20**	**pg/g**
PCB-106	ND	U	4.2	200	pg/g
PCB-109	**220**		**2.9**	**200**	**pg/g**
PCB-107/124	**54**	**C J**	**3.7**	**200**	**pg/g**
PCB-110/115	**1400**	**C**	**3.6**	**200**	**pg/g**
PCB-111	**14** U	**J Q**	**3.4**	**200**	**pg/g**
PCB-112	ND	U	3.5	200	pg/g
PCB-114	**62**		**3.6**	**20**	**pg/g**
PCB-118	**2900**		**3.5**	**20**	**pg/g**
PCB-120	**48**	**J**	**3.4**	**200**	**pg/g**
PCB-121	**4.7** U	**J Q**	**3.4**	**200**	**pg/g**
PCB-122	ND	U	4.0	200	pg/g
PCB-123	**31**		**3.7**	**20**	**pg/g**
PCB-126	ND	U	4.1	20	pg/g
PCB-127	ND	U	3.5	200	pg/g
PCB-128/166	**1600**	**C**	**2.8**	**200**	**pg/g**
PCB-129/138/163	**17000**	**C B**	**2.7**	**200**	**pg/g**
PCB-130	**280**		**3.7**	**200**	**pg/g**
PCB-131	**23**	**J**	**3.4**	**200**	**pg/g**
PCB-132	**320**		**3.5**	**200**	**pg/g**
PCB-133	**610**		**3.4**	**200**	**pg/g**
PCB-134/143	**230**	**C**	**3.5**	**200**	**pg/g**
PCB-135/151	**4600**	**C**	**3.2**	**200**	**pg/g**
PCB-136	**540**		**2.4**	**200**	**pg/g**
PCB-137	**140** U	**J Q**	**2.3**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW6_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 006	**Work Order #....:**	MKCX81AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.9
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.19 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**140**		**C J**	**3.0**	**200**	**pg/g**
PCB-141	**1700**			**3.8**	**200**	**pg/g**
PCB-142	ND		U	3.8	200	pg/g
PCB-144	**390**			**3.1**	**200**	**pg/g**
PCB-145	ND		U	2.3	200	pg/g
PCB-146	**2900**			**2.5**	**200**	**pg/g**
PCB-147/149	**1500**		**C**	**3.0**	**200**	**pg/g**
PCB-148	**49**		**J**	**3.1**	**200**	**pg/g**
PCB-150	**2.6**	U	**J Q**	**2.2**	**200**	**pg/g**
PCB-152	ND		U	2.2	200	pg/g
PCB-153/168	**21000**	R	**C E B**	**2.3**	**200**	**pg/g**
PCB-154	**470**			**2.8**	**200**	**pg/g**
PCB-155	**3.9**	U	**J Q**	**2.5**	**200**	**pg/g**
PCB-156/157	**890**		**C**	**5.0**	**40**	**pg/g**
PCB-158	**1200**			**2.3**	**200**	**pg/g**
PCB-159	**31**		**J**	**3.7**	**200**	**pg/g**
PCB-160	ND		U	3.5	200	pg/g
PCB-161	ND		U	2.8	200	pg/g
PCB-162	**64**		**J**	**3.8**	**200**	**pg/g**
PCB-164	**340**			**3.3**	**200**	**pg/g**
PCB-165	**27**		**J**	**2.6**	**200**	**pg/g**
PCB-167	**540**			**3.4**	**20**	**pg/g**
PCB-169	**11**	U	**J Q**	**3.5**	**20**	**pg/g**
PCB-170	**6900**			**5.2**	**200**	**pg/g**
PCB-171/173	**2500**		**C**	**5.1**	**200**	**pg/g**
PCB-172	**1300**			**5.1**	**200**	**pg/g**
PCB-174	**1200**			**5.8**	**200**	**pg/g**
PCB-175	**210**			**2.8**	**200**	**pg/g**
PCB-176	**220**			**1.9**	**200**	**pg/g**
PCB-177	**1300**			**5.2**	**200**	**pg/g**
PCB-178	**1900**			**2.9**	**200**	**pg/g**
PCB-179	**1700**			**2.2**	**200**	**pg/g**
PCB-180/193	**15000**		**C**	**4.1**	**200**	**pg/g**
PCB-181	ND		U	4.4	200	pg/g
PCB-182	**42**		**J**	**2.5**	**200**	**pg/g**
PCB-183	**4000**	J		**3.2**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW6_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 006	**Work Order #....:**	MKCX81AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.9
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.19 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	**3.0**	U	**J Q**	**2.2**	**200**	**pg/g**
PCB-185	**390**	J		**5.6**	**200**	**pg/g**
PCB-186	ND		U	2.1	200	pg/g
PCB-187	**11000**			**2.6**	**200**	**pg/g**
PCB-188	ND		U	2.7	200	pg/g
PCB-189	**210**			**3.1**	**20**	**pg/g**
PCB-190	**1500**			**3.7**	**200**	**pg/g**
PCB-191	**340**			**3.6**	**200**	**pg/g**
PCB-192	ND		U	3.9	200	pg/g
PCB-194	**3100**			**3.6**	**200**	**pg/g**
PCB-195	**1200**			**4.1**	**200**	**pg/g**
PCB-196	**1300**			**2.5**	**200**	**pg/g**
PCB-197	**110**		**J**	**1.4**	**200**	**pg/g**
PCB-198/199	**3100**		**C**	**2.7**	**200**	**pg/g**
PCB-200	**180**		**J**	**2.7**	**200**	**pg/g**
PCB-201	**380**			**1.8**	**200**	**pg/g**
PCB-202	**680**			**2.5**	**200**	**pg/g**
PCB-203	**1700**			**2.5**	**200**	**pg/g**
PCB-204	ND		U	1.9	200	pg/g
PCB-205	**150**		**J**	**1.9**	**200**	**pg/g**
PCB-206	**950**			**2.7**	**200**	**pg/g**
PCB-207	**87**		**J**	**2.4**	**200**	**pg/g**
PCB-208	**300**			**2.9**	**200**	**pg/g**
PCB-209	**530**		**B**	**2.7**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW6_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 006	**Work Order #....:**	MKCX82AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	19.81
Prep Date....:	06/29/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.19 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND R	U	2.9	400	pg/g
PCB-2	ND	U	2.8	400	pg/g
PCB-3	ND	U	2.5	400	pg/g
PCB-4	ND	U	20	400	pg/g
PCB-5	ND	U	12	400	pg/g
PCB-6	ND	U	13	400	pg/g
PCB-7	ND	U	12	400	pg/g
PCB-8	ND	U	13	400	pg/g
PCB-9	ND	U	14	400	pg/g
PCB-10	ND	U	15	400	pg/g
PCB-11	ND	U	13	400	pg/g
PCB-12/13	ND	U	13	400	pg/g
PCB-14	ND	U	11	400	pg/g
PCB-15	ND	U	12	400	pg/g
PCB-16	ND	U	4.4	400	pg/g
PCB-17	ND	U	3.5	400	pg/g
PCB-18/30	ND	U	2.9	400	pg/g
PCB-19	ND	U	3.8	400	pg/g
PCB-20/28	**23**	**C J B**	**2.6**	**400**	**pg/g**
PCB-21/33	ND	U	2.5	400	pg/g
PCB-22	ND	U	2.7	400	pg/g
PCB-23	ND	U	2.6	400	pg/g
PCB-24	ND	U	2.6	400	pg/g
PCB-25	ND	U	2.6	400	pg/g
PCB-26/29	ND	U	2.5	400	pg/g
PCB-27	ND	U	2.5	400	pg/g
PCB-31	**5.4**	**J Q B**	**2.5**	**400**	**pg/g**
PCB-32	ND	U	2.3	400	pg/g
PCB-34	ND	U	2.6	400	pg/g
PCB-35	ND	U	2.8	400	pg/g
PCB-36	ND	U	2.5	400	pg/g
PCB-37	ND	U	2.9	400	pg/g
PCB-38	ND	U	2.7	400	pg/g
PCB-39	ND	U	2.4	400	pg/g
PCB-40/71	ND	U	2.2	400	pg/g
PCB-41	ND	U	2.7	400	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW6_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 006	**Work Order #....:**	MKCX82AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	19.81
Prep Date....:	06/29/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.19 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	ND R	U	2.4	400	pg/g
PCB-43	ND	U	2.7	400	pg/g
PCB-45	ND	U	2.6	400	pg/g
PCB-46	ND	U	2.8	400	pg/g
PCB-44/47/65	**78**	**C J B**	**2.1**	**400**	**pg/g**
PCB-48	ND	U	2.3	400	pg/g
PCB-49/69	**98**	**C J B**	**1.8**	**400**	**pg/g**
PCB-50/53	ND	U	2.2	400	pg/g
PCB-51	ND	U	2.2	400	pg/g
PCB-52	**310**	**J B**	**2.3**	**400**	**pg/g**
PCB-54	ND	U	1.4	400	pg/g
PCB-55	ND	U	2.9	400	pg/g
PCB-56	ND	U	3.0	400	pg/g
PCB-57	ND	U	2.8	400	pg/g
PCB-58	ND	U	2.7	400	pg/g
PCB-59/62/75	ND	U	1.6	400	pg/g
PCB-60	**24**	**J Q**	**2.9**	**400**	**pg/g**
PCB-61/70/74/76	**350**	**C J B**	**2.8**	**400**	**pg/g**
PCB-63	**7.6**	**J**	**2.6**	**400**	**pg/g**
PCB-64	**32**	**J Q B**	**1.6**	**400**	**pg/g**
PCB-66	**180**	**J B**	**2.9**	**400**	**pg/g**
PCB-67	ND	U	2.7	400	pg/g
PCB-68	ND	U	2.5	400	pg/g
PCB-72	**5.8**	**J**	**2.7**	**400**	**pg/g**
PCB-73	ND	U	1.7	400	pg/g
PCB-77	ND	U	2.9	40	pg/g
PCB-78	ND	U	2.9	400	pg/g
PCB-79	ND	U	2.5	400	pg/g
PCB-80	ND	U	2.5	400	pg/g
PCB-81	ND	U	3.5	40	pg/g
PCB-82	ND	U	7.5	400	pg/g
PCB-83	**460**		**6.9**	**400**	**pg/g**
PCB-84	**26**	**J Q**	**7.4**	**400**	**pg/g**
PCB-85/116/117	**410**	**C**	**5.1**	**400**	**pg/g**
PCB-86/87/97/108/119/125	**770**	**C**	**5.3**	**400**	**pg/g**
PCB-88/91	**23**	**C J**	**6.3**	**400**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW6_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 006	**Work Order #....:**	MKCX82AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	19.81
Prep Date....:	06/29/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.19 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND R	U	6.7	400	pg/g
PCB-90/101/113	**3400**	**C B**	**5.4**	**400**	**pg/g**
PCB-92	**810**		**6.4**	**400**	**pg/g**
PCB-93/100	**39**	**C J**	**6.1**	**400**	**pg/g**
PCB-94	ND	U	6.8	400	pg/g
PCB-95	**160**	**J**	**6.3**	**400**	**pg/g**
PCB-96	ND	U	1.9	400	pg/g
PCB-98/102	ND	U	6.2	400	pg/g
PCB-99	**2600**		**6.3**	**400**	**pg/g**
PCB-103	**58**	**J Q**	**5.8**	**400**	**pg/g**
PCB-104	ND	U	1.5	400	pg/g
PCB-105	**830**		**5.0**	**40**	**pg/g**
PCB-106	ND	U	5.5	400	pg/g
PCB-109	**210**	**J**	**3.8**	**400**	**pg/g**
PCB-107/124	**48**	**C J Q**	**4.8**	**400**	**pg/g**
PCB-110/115	**1300**	**C**	**4.7**	**400**	**pg/g**
PCB-111	**7.8**	**J Q**	**4.5**	**400**	**pg/g**
PCB-112	ND	U	4.5	400	pg/g
PCB-114	**41**	**Q**	**5.2**	**40**	**pg/g**
PCB-118	**2900**		**4.9**	**40**	**pg/g**
PCB-120	**43**	**J**	**4.5**	**400**	**pg/g**
PCB-121	ND	U	4.5	400	pg/g
PCB-122	**11**	**J Q**	**5.2**	**400**	**pg/g**
PCB-123	**33**	**J**	**4.9**	**40**	**pg/g**
PCB-126	ND	U	5.2	40	pg/g
PCB-127	ND	U	4.6	400	pg/g
PCB-128/166	**1800**	**C**	**3.5**	**400**	**pg/g**
PCB-129/138/163	**19000**	**C B**	**3.4**	**400**	**pg/g**
PCB-130	**330**	**J**	**4.7**	**400**	**pg/g**
PCB-131	**21**	**J Q**	**4.4**	**400**	**pg/g**
PCB-132	**350**	**J**	**4.4**	**400**	**pg/g**
PCB-133	**660**		**4.4**	**400**	**pg/g**
PCB-134/143	**260**	**C J**	**4.5**	**400**	**pg/g**
PCB-135/151	**5000**	**C**	**4.0**	**400**	**pg/g**
PCB-136	**610**		**3.1**	**400**	**pg/g**
PCB-137	**160**	**J**	**3.0**	**400**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW6_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 006	**Work Order #....:**	MKCX82AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	19.81
Prep Date....:	06/29/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.19 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**140** R	**C J**	**3.9**	**400**	**pg/g**
PCB-141	**2000**		**4.8**	**400**	**pg/g**
PCB-142	ND	U	4.9	400	pg/g
PCB-144	**430**		**4.0**	**400**	**pg/g**
PCB-145	ND	U	3.0	400	pg/g
PCB-146	**3100**		**3.3**	**400**	**pg/g**
PCB-147/149	**1700**	**C**	**3.9**	**400**	**pg/g**
PCB-148	**55**	**J**	**4.0**	**400**	**pg/g**
PCB-150	ND	U	2.8	400	pg/g
PCB-152	ND	U	2.9	400	pg/g
PCB-153/168	**23000**	**C B**	**3.0**	**400**	**pg/g**
PCB-154	**540** R		**3.6**	**400**	**pg/g**
PCB-155	ND	U	2.7	400	pg/g
PCB-156/157	**890**	**C**	**6.7**	**79**	**pg/g**
PCB-158	**1300**		**2.9**	**400**	**pg/g**
PCB-159	**31**	**J Q**	**4.8**	**400**	**pg/g**
PCB-160	ND	U	4.5	400	pg/g
PCB-161	ND	U	3.6	400	pg/g
PCB-162	**62**	**J Q**	**4.9**	**400**	**pg/g**
PCB-164	**400**		**4.2**	**400**	**pg/g**
PCB-165	**27**	**J**	**3.3**	**400**	**pg/g**
PCB-167	**530**		**4.7**	**40**	**pg/g**
PCB-169	**27**	**J Q**	**4.9**	**40**	**pg/g**
PCB-170	**6200**		**8.0**	**400**	**pg/g**
PCB-171/173	**2300**	C	**7.9**	**400**	**pg/g**
PCB-172	**1200**		**7.8**	**400**	**pg/g**
PCB-174	**1100**		**8.9**	**400**	**pg/g**
PCB-175	**240**	**J**	**2.5**	**400**	**pg/g**
PCB-176	**270**	**J**	**1.7**	**400**	**pg/g**
PCB-177	**1300**		**8.0**	**400**	**pg/g**
PCB-178	**2100**		**2.6**	**400**	**pg/g**
PCB-179	**2000**		**1.9**	**400**	**pg/g**
PCB-180/193	**14000**	**C**	**6.3**	**400**	**pg/g**
PCB-181	**15**	**J Q**	**6.8**	**400**	**pg/g**
PCB-182	**53**	**J Q**	**2.2**	**400**	**pg/g**
PCB-183	**3700**		**4.9**	**400**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW6_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 006	**Work Order #....:**	MKCX82AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	19.81
Prep Date....:	06/29/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.19 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND R	U	1.9	400	pg/g
PCB-185	**480**		**8.7**	**400**	**pg/g**
PCB-186	ND	U	1.8	400	pg/g
PCB-187	**12000**		**2.3**	**400**	**pg/g**
PCB-188	**12**	**J**	**1.8**	**400**	**pg/g**
PCB-189	**200**		**3.7**	**40**	**pg/g**
PCB-190	**1400**		**5.6**	**400**	**pg/g**
PCB-191	**320**	**J**	**5.6**	**400**	**pg/g**
PCB-192	ND	U	6.0	400	pg/g
PCB-194	**2600**		**3.8**	**400**	**pg/g**
PCB-195	**950**		**4.3**	**400**	**pg/g**
PCB-196	**1300**		**2.5**	**400**	**pg/g**
PCB-197	**120**	**J**	**1.4**	**400**	**pg/g**
PCB-198/199	**3200**	**C**	**2.7**	**400**	**pg/g**
PCB-200	**200**	**J**	**2.7**	**400**	**pg/g**
PCB-201	**410**		**1.9**	**400**	**pg/g**
PCB-202	**660**		**2.1**	**400**	**pg/g**
PCB-203	**1900**		**2.6**	**400**	**pg/g**
PCB-204	ND	U	2.0	400	pg/g
PCB-205	**140**	**J**	**2.5**	**400**	**pg/g**
PCB-206	**890**		**2.7**	**400**	**pg/g**
PCB-207	**85**	**J**	**2.4**	**400**	**pg/g**
PCB-208	**290**	**J**	**2.9**	**400**	**pg/g**
PCB-209	**250**	**J B**	**1.0**	**400**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW28_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 007	**Work Order #....:**	MKCX91AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.91
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND	U	2.2	200	pg/g
PCB-2	ND	U	2.2	200	pg/g
PCB-3	ND	U	1.9	200	pg/g
PCB-4	ND	U	12	200	pg/g
PCB-5	ND	U	10	200	pg/g
PCB-6	ND	U	11	200	pg/g
PCB-7	ND	U	10	200	pg/g
PCB-8	ND	U	11	200	pg/g
PCB-9	ND	U	12	200	pg/g
PCB-10	ND	U	7.1	200	pg/g
PCB-11	ND	U	10	200	pg/g
PCB-12/13	ND	U	10	200	pg/g
PCB-14	ND	U	8.9	200	pg/g
PCB-15	ND	U	8.7	200	pg/g
PCB-16	ND	U	4.0	200	pg/g
PCB-17	**3.3** U	**J Q B**	**3.2**	**200**	**pg/g**
PCB-18/30	**7.5**	**C J B**	**2.7**	**200**	**pg/g**
PCB-19	ND	U	5.2	200	pg/g
PCB-20/28	**25** U	**C J Q B**	**3.1**	**200**	**pg/g**
PCB-21/33	**10**	**C J B**	**3.0**	**200**	**pg/g**
PCB-22	**7.2**	**J B**	**3.2**	**200**	**pg/g**
PCB-23	ND	U	3.1	200	pg/g
PCB-24	ND	U	2.4	200	pg/g
PCB-25	**3.1** U	**J Q**	**3.0**	**200**	**pg/g**
PCB-26/29	ND	U	3.0	200	pg/g
PCB-27	ND	U	2.3	200	pg/g
PCB-31	**23**	**J B**	**2.9**	**200**	**pg/g**
PCB-32	**2.2** U	**J Q B**	**2.2**	**200**	**pg/g**
PCB-34	ND	U	3.1	200	pg/g
PCB-35	ND	U	3.3	200	pg/g
PCB-36	ND	U	2.9	200	pg/g
PCB-37	**7.2**	**J B**	**2.8**	**200**	**pg/g**
PCB-38	ND	U	3.2	200	pg/g
PCB-39	ND	U	2.8	200	pg/g
PCB-40/71	**87**	**C J B**	**3.5**	**200**	**pg/g**
PCB-41	ND	U	4.2	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW28_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 007	**Work Order #....:**	MKCX91AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.91
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**16**	**J**	**3.8**	**200**	**pg/g**
PCB-43	ND	U	4.2	200	pg/g
PCB-45	ND	U	4.1	200	pg/g
PCB-46	**6.9**	**J**	**4.3**	**200**	**pg/g**
PCB-44/47/65	**130**	**C J B**	**3.3**	**200**	**pg/g**
PCB-48	**20**	**J**	**3.6**	**200**	**pg/g**
PCB-49/69	**120**	**C J B**	**2.9**	**200**	**pg/g**
PCB-50/53	**22**	**C J**	**3.5**	**200**	**pg/g**
PCB-51	ND	U	3.5	200	pg/g
PCB-52	**340**	**B**	**3.7**	**200**	**pg/g**
PCB-54	ND	U	4.7	200	pg/g
PCB-55	ND	U	4.2	200	pg/g
PCB-56	**38**	**J**	**4.3**	**200**	**pg/g**
PCB-57	ND	U	4.1	200	pg/g
PCB-58	**130**	**J**	**4.0**	**200**	**pg/g**
PCB-59/62/75	**7.0**	**C J**	**2.6**	**200**	**pg/g**
PCB-60	**18** u	**J Q**	**4.2**	**200**	**pg/g**
PCB-61/70/74/76	**320**	**C B**	**4.0**	**200**	**pg/g**
PCB-63	ND	U	3.8	200	pg/g
PCB-64	**28**	**J B**	**2.5**	**200**	**pg/g**
PCB-66	**150**	**J B**	**4.2**	**200**	**pg/g**
PCB-67	ND	U	3.9	200	pg/g
PCB-68	ND	U	3.6	200	pg/g
PCB-72	**4.9**	**J**	**3.9**	**200**	**pg/g**
PCB-73	ND	U	2.7	200	pg/g
PCB-77	**13** u	**J Q**	**4.0**	**20**	**pg/g**
PCB-78	ND	U	4.2	200	pg/g
PCB-79	**17** u	**J Q**	**3.6**	**200**	**pg/g**
PCB-80	ND	U	3.6	200	pg/g
PCB-81	ND	U	3.6	20	pg/g
PCB-82	**100**	**J**	**7.3**	**200**	**pg/g**
PCB-83	**230** J		**6.7**	**200**	**pg/g**
PCB-84	**300**		**7.2**	**200**	**pg/g**
PCB-85/116/117	**170**	**C J**	**5.0**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**1300**	**C**	**5.2**	**200**	**pg/g**
PCB-88/91	**140**	**C J**	**6.1**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW28_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 007	**Work Order #....:**	MKCX91AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.91
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	**74**	**J**	**6.5**	**200**	**pg/g**
PCB-90/101/113	**7400**	**C B**	**5.3**	**200**	**pg/g**
PCB-92	**1200**		**6.2**	**200**	**pg/g**
PCB-93/100	ND	U	6.0	200	pg/g
PCB-94	**31**	**J**	**6.6**	**200**	**pg/g**
PCB-95	**4400**		**6.1**	**200**	**pg/g**
PCB-96	**12**	**J**	**3.1**	**200**	**pg/g**
PCB-98/102	**590**	**C**	**6.0**	**200**	**pg/g**
PCB-99	**2200** J		**6.1**	**200**	**pg/g**
PCB-103	**160**	**J**	**5.6**	**200**	**pg/g**
PCB-104	ND	U	3.5	200	pg/g
PCB-105	**350**		**4.8**	**20**	**pg/g**
PCB-106	ND	U	5.3	200	pg/g
PCB-109	**160**	**J**	**3.6**	**200**	**pg/g**
PCB-107/124	**64**	**C J**	**4.7**	**200**	**pg/g**
PCB-110/115	**3400**	**C**	**4.6**	**200**	**pg/g**
PCB-111	**9.3** U	**J Q**	**4.4**	**200**	**pg/g**
PCB-112	ND	U	4.4	200	pg/g
PCB-114	ND	U	4.5	20	pg/g
PCB-118	**2100**		**4.3**	**20**	**pg/g**
PCB-120	**53**	**J**	**4.3**	**200**	**pg/g**
PCB-121	ND	U	4.4	200	pg/g
PCB-122	**17**	**J**	**5.1**	**200**	**pg/g**
PCB-123	**18**	**J**	**4.5**	**20**	**pg/g**
PCB-126	**20**		**4.9**	**20**	**pg/g**
PCB-127	ND	U	4.5	200	pg/g
PCB-128/166	**1100**	**C**	**5.0**	**200**	**pg/g**
PCB-129/138/163	**20000** R	**C E B**	**4.8**	**200**	**pg/g**
PCB-130	**800**		**6.7**	**200**	**pg/g**
PCB-131	**130**	**J**	**6.2**	**200**	**pg/g**
PCB-132	**5400**		**6.2**	**200**	**pg/g**
PCB-133	**360**		**6.1**	**200**	**pg/g**
PCB-134/143	ND	U	6.4	200	pg/g
PCB-135/151	**11000**	**C**	**5.7**	**200**	**pg/g**
PCB-136	**2900**		**4.3**	**200**	**pg/g**
PCB-137	**320**		**4.2**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW28_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	GIF200419 - 007	**Work Order #....:**	MKCX91AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.91
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**160**	**C J**	**5.4**	**200**	**pg/g**
PCB-141	**570**		**6.8**	**200**	**pg/g**
PCB-142	ND	U	6.8	200	pg/g
PCB-144	**1400**		**5.6**	**200**	**pg/g**
PCB-145	ND	U	4.2	200	pg/g
PCB-146	**3800**		**4.6**	**200**	**pg/g**
PCB-147/149	**21000** R	**C E**	**5.4**	**200**	**pg/g**
PCB-148	**44**	**J**	**5.6**	**200**	**pg/g**
PCB-150	**17**	**J**	**3.9**	**200**	**pg/g**
PCB-152	ND	U	4.0	200	pg/g
PCB-153/168	**26000** R	**C E B**	**4.2**	**200**	**pg/g**
PCB-154	**370**		**5.1**	**200**	**pg/g**
PCB-155	ND	U	4.6	200	pg/g
PCB-156/157	**830**	**C**	**5.4**	**40**	**pg/g**
PCB-158	**1700**		**4.1**	**200**	**pg/g**
PCB-159	ND	U	4.5	200	pg/g
PCB-160	ND	U	6.4	200	pg/g
PCB-161	ND	U	5.0	200	pg/g
PCB-162	**50**	**J**	**4.5**	**200**	**pg/g**
PCB-164	ND	U	5.9	200	pg/g
PCB-165	**6.7** U	**J Q**	**4.7**	**200**	**pg/g**
PCB-167	**670**		**4.0**	**20**	**pg/g**
PCB-169	**11** U	**J Q**	**4.8**	**20**	**pg/g**
PCB-170	**1500**		**6.1**	**200**	**pg/g**
PCB-171/173	**3000**	**C**	**6.0**	**200**	**pg/g**
PCB-172	ND	U	5.9	200	pg/g
PCB-174	**130**	**J**	**6.8**	**200**	**pg/g**
PCB-175	**350**		**4.5**	**200**	**pg/g**
PCB-176	**1000**		**3.2**	**200**	**pg/g**
PCB-177	**6500**		**6.0**	**200**	**pg/g**
PCB-178	**1900**		**4.8**	**200**	**pg/g**
PCB-179	**3800**		**3.5**	**200**	**pg/g**
PCB-180/193	**9000**	**C**	**4.8**	**200**	**pg/g**
PCB-181	**5.7**	**J**	**5.2**	**200**	**pg/g**
PCB-182	ND	U	4.0	200	pg/g
PCB-183	**5100** J		**3.7**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW28_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 007	**Work Order #....:**	MKCX91AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.91
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U	3.5	200	pg/g
PCB-185	**130** J	**J**	**6.6**	**200**	**pg/g**
PCB-186	ND	U	3.4	200	pg/g
PCB-187	**12000**		**4.3**	**200**	**pg/g**
PCB-188	ND	U	4.2	200	pg/g
PCB-189	**220**		**3.7**	**20**	**pg/g**
PCB-190	**1100**		**4.3**	**200**	**pg/g**
PCB-191	**190**	**J**	**4.3**	**200**	**pg/g**
PCB-192	ND	U	4.5	200	pg/g
PCB-194	**370**		**5.1**	**200**	**pg/g**
PCB-195	**88**	**J**	**5.9**	**200**	**pg/g**
PCB-196	**64**	**J**	**3.5**	**200**	**pg/g**
PCB-197	**100**	**J**	**2.0**	**200**	**pg/g**
PCB-198/199	**69**	**C J**	**3.8**	**200**	**pg/g**
PCB-200	ND	U	3.8	200	pg/g
PCB-201	**380**		**2.6**	**200**	**pg/g**
PCB-202	**610**		**3.3**	**200**	**pg/g**
PCB-203	**440**		**3.6**	**200**	**pg/g**
PCB-204	ND	U	2.7	200	pg/g
PCB-205	**39**	**J**	**3.1**	**200**	**pg/g**
PCB-206	**28** U	**J Q**	**4.9**	**200**	**pg/g**
PCB-207	ND	U	4.0	200	pg/g
PCB-208	**4.6** U	**J Q**	**4.5**	**200**	**pg/g**
PCB-209	**210**	**B**	**3.8**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW28_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 007	**Work Order #....:**	MKCX92AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	19.83
Prep Date....:	06/29/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND R	U	3.0	400	pg/g
PCB-2	ND	U	2.7	400	pg/g
PCB-3	ND	U	2.2	400	pg/g
PCB-4	ND	U	14	400	pg/g
PCB-5	ND	U	8.6	400	pg/g
PCB-6	ND	U	8.9	400	pg/g
PCB-7	ND	U	8.5	400	pg/g
PCB-8	ND	U	8.8	400	pg/g
PCB-9	ND	U	9.7	400	pg/g
PCB-10	ND	U	9.4	400	pg/g
PCB-11	ND	U	8.6	400	pg/g
PCB-12/13	ND	U	8.7	400	pg/g
PCB-14	ND	U	7.4	400	pg/g
PCB-15	ND	U	8.1	400	pg/g
PCB-16	ND	U	2.9	400	pg/g
PCB-17	ND	U	2.3	400	pg/g
PCB-18/30	**8.4**	**C J Q B**	**2.0**	**400**	**pg/g**
PCB-19	ND	U	2.8	400	pg/g
PCB-20/28	**25**	**C J B**	**2.3**	**400**	**pg/g**
PCB-21/33	**9.5**	**C J Q B**	**2.3**	**400**	**pg/g**
PCB-22	**6.5**	**J B**	**2.4**	**400**	**pg/g**
PCB-23	ND	U	2.3	400	pg/g
PCB-24	ND	U	1.8	400	pg/g
PCB-25	ND	U	2.3	400	pg/g
PCB-26/29	ND	U	2.3	400	pg/g
PCB-27	ND	U	1.7	400	pg/g
PCB-31	**21**	**J B**	**2.2**	**400**	**pg/g**
PCB-32	ND	U	1.6	400	pg/g
PCB-34	ND	U	2.3	400	pg/g
PCB-35	ND	U	2.5	400	pg/g
PCB-36	ND	U	2.2	400	pg/g
PCB-37	**4.6**	**J Q B**	**2.6**	**400**	**pg/g**
PCB-38	ND	U	2.4	400	pg/g
PCB-39	ND	U	2.2	400	pg/g
PCB-40/71	**89**	**C J B**	**2.3**	**400**	**pg/g**
PCB-41	ND	U	2.7	400	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW28_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 007	**Work Order #....:**	MKCX92AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	19.83
Prep Date....:	06/29/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**18** R	**J**	**2.5**	**400**	**pg/g**
PCB-43	ND	U	2.7	400	pg/g
PCB-45	**12**	**J Q**	**2.6**	**400**	**pg/g**
PCB-46	ND	U	2.8	400	pg/g
PCB-44/47/65	**130**	**C J B**	**2.1**	**400**	**pg/g**
PCB-48	**20**	**J**	**2.3**	**400**	**pg/g**
PCB-49/69	**120**	**C J B**	**1.9**	**400**	**pg/g**
PCB-50/53	**23**	**C J**	**2.3**	**400**	**pg/g**
PCB-51	ND	U	2.2	400	pg/g
PCB-52	**340**	**J B**	**2.4**	**400**	**pg/g**
PCB-54	ND	U	1.1	400	pg/g
PCB-55	ND	U	5.3	400	pg/g
PCB-56	**33**	**J**	**5.4**	**400**	**pg/g**
PCB-57	ND	U	5.2	400	pg/g
PCB-58	ND	U	5.0	400	pg/g
PCB-59/62/75	**4.8**	**C J Q**	**1.7**	**400**	**pg/g**
PCB-60	**12**	**J Q**	**5.3**	**400**	**pg/g**
PCB-61/70/74/76	**280**	**C J B**	**5.0**	**400**	**pg/g**
PCB-63	ND	U	4.7	400	pg/g
PCB-64	**27**	**J B**	**1.6**	**400**	**pg/g**
PCB-66	**130**	**J B**	**5.3**	**400**	**pg/g**
PCB-67	ND	U	4.9	400	pg/g
PCB-68	ND	U	4.6	400	pg/g
PCB-72	**5.9**	**J Q**	**5.0**	**400**	**pg/g**
PCB-73	ND	U	1.8	400	pg/g
PCB-77	ND	U	5.9	40	pg/g
PCB-78	ND	U	5.3	400	pg/g
PCB-79	**10**	**J Q**	**4.6**	**400**	**pg/g**
PCB-80	ND	U	4.5	400	pg/g
PCB-81	ND	U	5.2	40	pg/g
PCB-82	**100**	**J**	**7.0**	**400**	**pg/g**
PCB-83	**450**		**6.4**	**400**	**pg/g**
PCB-84	**270**	**J**	**6.9**	**400**	**pg/g**
PCB-85/116/117	**710**	**C**	**4.8**	**400**	**pg/g**
PCB-86/87/97/108/119/125	**1200**	**C**	**5.0**	**400**	**pg/g**
PCB-88/91	**130**	**C J**	**5.8**	**400**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW28_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 007	**Work Order #....:**	MKCX92AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	19.83
Prep Date....:	06/29/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	**60** R	**J Q**	**6.2**	**400**	**pg/g**
PCB-90/101/113	**6900**	**C B**	**5.0**	**400**	**pg/g**
PCB-92	**1100**		**6.0**	**400**	**pg/g**
PCB-93/100	**6.2**	**C J**	**5.7**	**400**	**pg/g**
PCB-94	**28**	**J**	**6.3**	**400**	**pg/g**
PCB-95	**4200**		**5.9**	**400**	**pg/g**
PCB-96	**10**	**J**	**1.4**	**400**	**pg/g**
PCB-98/102	**550**	**C**	**5.7**	**400**	**pg/g**
PCB-99	**1800**		**5.9**	**400**	**pg/g**
PCB-103	**160**	**J**	**5.4**	**400**	**pg/g**
PCB-104	ND	U	1.0	400	pg/g
PCB-105	**450**		**5.3**	**40**	**pg/g**
PCB-106	ND	U	5.1	400	pg/g
PCB-109	**150**	**J**	**3.5**	**400**	**pg/g**
PCB-107/124	**59**	**C J**	**4.5**	**400**	**pg/g**
PCB-110/115	**2700**	**C**	**4.4**	**400**	**pg/g**
PCB-111	ND	U	4.2	400	pg/g
PCB-112	ND	U	4.2	400	pg/g
PCB-114	**10**	**J Q**	**4.9**	**40**	**pg/g**
PCB-118	**2000**		**4.3**	**40**	**pg/g**
PCB-120	**47**	**J**	**4.2**	**400**	**pg/g**
PCB-121	ND	U	4.2	400	pg/g
PCB-122	**13**	**J**	**4.9**	**400**	**pg/g**
PCB-123	**14**	**J**	**4.4**	**40**	**pg/g**
PCB-126	ND	U	5.5	40	pg/g
PCB-127	ND	U	4.3	400	pg/g
PCB-128/166	**1300**	**C**	**4.1**	**400**	**pg/g**
PCB-129/138/163	**21000**	**C B**	**3.9**	**400**	**pg/g**
PCB-130	**820** R		**5.5**	**400**	**pg/g**
PCB-131	**120**	**J**	**5.1**	**400**	**pg/g**
PCB-132	**5600**		**5.1**	**400**	**pg/g**
PCB-133	**390**	**J**	**5.0**	**400**	**pg/g**
PCB-134/143	**790**	**C**	**5.2**	**400**	**pg/g**
PCB-135/151	**11000**	**C**	**4.7**	**400**	**pg/g**
PCB-136	**3100**		**3.5**	**400**	**pg/g**
PCB-137	ND	U	3.4	400	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW28_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 007	**Work Order #....:**	MKCX92AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	19.83
Prep Date....:	06/29/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**160**	**C J**	**4.5**	**400**	**pg/g**
PCB-141	**550**		**5.5**	**400**	**pg/g**
PCB-142	ND	U	5.6	400	pg/g
PCB-144	**1500**		**4.6**	**400**	**pg/g**
PCB-145	ND	U	3.5	400	pg/g
PCB-146	**3900**		**3.8**	**400**	**pg/g**
PCB-147/149	**23000**	**C**	**4.5**	**400**	**pg/g**
PCB-148	**51**	**J**	**4.6**	**400**	**pg/g**
PCB-150	**18**	**J**	**3.2**	**400**	**pg/g**
PCB-152	**5.2**	**J**	**3.3**	**400**	**pg/g**
PCB-153/168	**28000**	**C B**	**3.4**	**400**	**pg/g**
PCB-154	**400**	**J**	**4.1**	**400**	**pg/g**
PCB-155	ND	U	2.7	400	pg/g
PCB-156/157	**830**	**C**	**7.2**	**79**	**pg/g**
PCB-158	**1800**		**3.4**	**400**	**pg/g**
PCB-159	ND	U	5.0	400	pg/g
PCB-160	ND	U	5.2	400	pg/g
PCB-161	ND	U	4.1	400	pg/g
PCB-162	**42**	**J**	**5.1**	**400**	**pg/g**
PCB-164	**550**		**4.8**	**400**	**pg/g**
PCB-165	ND	U	3.8	400	pg/g
PCB-167	**640**		**5.2**	**40**	**pg/g**
PCB-169	**16**	**J**	**5.5**	**40**	**pg/g**
PCB-170	**1300**		**7.4**	**400**	**pg/g**
PCB-171/173	**2700**	**C**	**7.3**	**400**	**pg/g**
PCB-172	**110**	**J**	**7.2**	**400**	**pg/g**
PCB-174	**73**	**J**	**8.2**	**400**	**pg/g**
PCB-175	**380**	**J**	**2.3**	**400**	**pg/g**
PCB-176	**1200**		**1.6**	**400**	**pg/g**
PCB-177	**5600**		**7.3**	**400**	**pg/g**
PCB-178	**2100**		**2.4**	**400**	**pg/g**
PCB-179	**4300**		**1.8**	**400**	**pg/g**
PCB-180/193	**7800**	**C**	**5.8**	**400**	**pg/g**
PCB-181	ND	U	6.3	400	pg/g
PCB-182	ND	U	2.0	400	pg/g
PCB-183	**4300**		**4.5**	**400**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW28_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 007	**Work Order #....:**	MKCX92AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	19.83
Prep Date....:	06/29/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.17 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U	1.7	400	pg/g
PCB-185	ND	U	8.0	400	pg/g
PCB-186	ND	U	1.7	400	pg/g
PCB-187	**13000**		**2.1**	**400**	**pg/g**
PCB-188	ND	U	1.6	400	pg/g
PCB-189	**160**	**Q**	**3.4**	**40**	**pg/g**
PCB-190	**1000**		**5.2**	**400**	**pg/g**
PCB-191	**170**	**J**	**5.2**	**400**	**pg/g**
PCB-192	ND	U	5.5	400	pg/g
PCB-194	**330**	**J**	**2.6**	**400**	**pg/g**
PCB-195	**55**	**J Q**	**3.0**	**400**	**pg/g**
PCB-196	**76**	**J**	**1.9**	**400**	**pg/g**
PCB-197	**120**	**J**	**1.1**	**400**	**pg/g**
PCB-198/199	**61**	**C J**	**2.0**	**400**	**pg/g**
PCB-200	ND	U	2.0	400	pg/g
PCB-201	**420**		**1.4**	**400**	**pg/g**
PCB-202	**580**		**1.5**	**400**	**pg/g**
PCB-203	**450**		**1.9**	**400**	**pg/g**
PCB-204	ND	U	1.4	400	pg/g
PCB-205	**34**	**J Q**	**1.8**	**400**	**pg/g**
PCB-206	**24**	**J Q**	**3.0**	**400**	**pg/g**
PCB-207	ND	U	2.2	400	pg/g
PCB-208	ND	U	2.3	400	pg/g
PCB-209	**16**	**J B**	**1.0**	**400**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW31_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 008	**Work Order #....:**	MKC0A1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.61
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.81 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND		U	1.3	190	pg/g
PCB-2	ND		U	1.3	190	pg/g
PCB-3	ND		U	1.2	190	pg/g
PCB-4	ND		U	9.7	190	pg/g
PCB-5	ND		U	7.3	190	pg/g
PCB-6	ND		U	7.6	190	pg/g
PCB-7	ND		U	7.2	190	pg/g
PCB-8	ND		U	7.5	190	pg/g
PCB-9	ND		U	8.2	190	pg/g
PCB-10	ND		U	6.5	190	pg/g
PCB-11	ND		U	7.3	190	pg/g
PCB-12/13	ND		U	7.4	190	pg/g
PCB-14	ND		U	6.3	190	pg/g
PCB-15	ND		U	6.7	190	pg/g
PCB-16	ND		U	2.3	190	pg/g
PCB-17	ND		U	1.8	190	pg/g
PCB-18/30	**2.8**	U	**C J B**	**1.5**	**190**	**pg/g**
PCB-19	ND		U	2.5	190	pg/g
PCB-20/28	**12**		**C J B**	**1.8**	**190**	**pg/g**
PCB-21/33	**4.5**		**C J B**	**1.8**	**190**	**pg/g**
PCB-22	ND		U	1.9	190	pg/g
PCB-23	ND		U	1.8	190	pg/g
PCB-24	ND		U	1.4	190	pg/g
PCB-25	ND		U	1.8	190	pg/g
PCB-26/29	ND		U	1.8	190	pg/g
PCB-27	ND		U	1.3	190	pg/g
PCB-31	**8.4**	U	**J Q B**	**1.7**	**190**	**pg/g**
PCB-32	**1.8**	U	**J Q B**	**1.2**	**190**	**pg/g**
PCB-34	ND		U	1.8	190	pg/g
PCB-35	ND		U	2.0	190	pg/g
PCB-36	ND		U	1.8	190	pg/g
PCB-37	ND		U	1.9	190	pg/g
PCB-38	ND		U	1.9	190	pg/g
PCB-39	ND		U	1.7	190	pg/g
PCB-40/71	**12**		**C J B**	**2.1**	**190**	**pg/g**
PCB-41	ND		U	2.5	190	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW31_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 008	**Work Order #....:**	MKC0A1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.61
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.81 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**4.9**	**J**	**2.3**	**190**	**pg/g**
PCB-43	ND	U	2.5	190	pg/g
PCB-45	ND	U	2.4	190	pg/g
PCB-46	ND	U	2.6	190	pg/g
PCB-44/47/65	**35**	**C J B**	**2.0**	**190**	**pg/g**
PCB-48	**3.4** U	**J Q**	**2.1**	**190**	**pg/g**
PCB-49/69	**21**	**C J B**	**1.7**	**190**	**pg/g**
PCB-50/53	ND	U	2.1	190	pg/g
PCB-51	ND	U	2.0	190	pg/g
PCB-52	**89**	**J B**	**2.2**	**190**	**pg/g**
PCB-54	ND	U	2.0	190	pg/g
PCB-55	ND	U	2.4	190	pg/g
PCB-56	**11**	**J**	**2.4**	**190**	**pg/g**
PCB-57	ND	U	2.3	190	pg/g
PCB-58	ND	U	2.3	190	pg/g
PCB-59/62/75	ND	U	1.5	190	pg/g
PCB-60	**6.3** U	**J Q**	**2.4**	**190**	**pg/g**
PCB-61/70/74/76	**110**	**C J B**	**2.3**	**190**	**pg/g**
PCB-63	ND	U	2.1	190	pg/g
PCB-64	**7.4**	**J B**	**1.5**	**190**	**pg/g**
PCB-66	**45**	**J B**	**2.4**	**190**	**pg/g**
PCB-67	ND	U	2.2	190	pg/g
PCB-68	ND	U	2.1	190	pg/g
PCB-72	ND	U	2.2	190	pg/g
PCB-73	ND	U	1.6	190	pg/g
PCB-77	ND	U	2.5	19	pg/g
PCB-78	ND	U	2.4	190	pg/g
PCB-79	**3.4**	**J**	**2.1**	**190**	**pg/g**
PCB-80	ND	U	2.0	190	pg/g
PCB-81	ND	U	2.2	19	pg/g
PCB-82	**32**	**J**	**5.1**	**190**	**pg/g**
PCB-83	**53** J	**J**	**4.7**	**190**	**pg/g**
PCB-84	**69**	**J**	**5.0**	**190**	**pg/g**
PCB-85/116/117	**61**	**C J**	**3.5**	**190**	**pg/g**
PCB-86/87/97/108/119/125	**270**	**C**	**3.6**	**190**	**pg/g**
PCB-88/91	**25**	**C J**	**4.2**	**190**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW31_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 008	**Work Order #....:**	MKC0A1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.61
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.81 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND		U	4.5	190	pg/g
PCB-90/101/113	**990**		**C B**	**3.7**	**190**	**pg/g**
PCB-92	**170**		**J**	**4.4**	**190**	**pg/g**
PCB-93/100	ND		U	4.2	190	pg/g
PCB-94	ND		U	4.6	190	pg/g
PCB-95	**660**			**4.3**	**190**	**pg/g**
PCB-96	ND		U	1.9	190	pg/g
PCB-98/102	**19**	U	**C J Q**	**4.2**	**190**	**pg/g**
PCB-99	**380**	J		**4.3**	**190**	**pg/g**
PCB-103	**21**	U	**J Q**	**3.9**	**190**	**pg/g**
PCB-104	ND		U	1.9	190	pg/g
PCB-105	**150**			**3.3**	**19**	**pg/g**
PCB-106	ND		U	3.7	190	pg/g
PCB-109	**41**		**J**	**2.5**	**190**	**pg/g**
PCB-107/124	**21**		**C J**	**3.3**	**190**	**pg/g**
PCB-110/115	**590**		**C**	**3.2**	**190**	**pg/g**
PCB-111	ND		U	3.1	190	pg/g
PCB-112	ND		U	3.1	190	pg/g
PCB-114	ND		U	3.3	19	pg/g
PCB-118	**550**			**3.0**	**19**	**pg/g**
PCB-120	**7.0**		**J**	**3.0**	**190**	**pg/g**
PCB-121	ND		U	3.0	190	pg/g
PCB-122	ND		U	3.5	190	pg/g
PCB-123	**4.4**	U	**J Q**	**3.4**	**19**	**pg/g**
PCB-126	**4.8**	U	**J Q**	**3.7**	**19**	**pg/g**
PCB-127	ND		U	3.1	190	pg/g
PCB-128/166	**310**		**C**	**2.7**	**190**	**pg/g**
PCB-129/138/163	**3400**		**C B**	**2.6**	**190**	**pg/g**
PCB-130	**160**		**J**	**3.6**	**190**	**pg/g**
PCB-131	**22**		**J**	**3.3**	**190**	**pg/g**
PCB-132	**600**			**3.4**	**190**	**pg/g**
PCB-133	**73**		**J**	**3.3**	**190**	**pg/g**
PCB-134/143	**130**		**C J**	**3.4**	**190**	**pg/g**
PCB-135/151	**1800**		**C**	**3.1**	**190**	**pg/g**
PCB-136	**440**			**2.3**	**190**	**pg/g**
PCB-137	**64**		**J**	**2.3**	**190**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW31_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 008	**Work Order #....:**	MKC0A1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.61
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.81 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**27**	**C J**	**2.9**	**190**	**pg/g**
PCB-141	**54**	**J**	**3.6**	**190**	**pg/g**
PCB-142	ND	U	3.7	190	pg/g
PCB-144	**220**		**3.0**	**190**	**pg/g**
PCB-145	ND	U	2.3	190	pg/g
PCB-146	**610**		**2.5**	**190**	**pg/g**
PCB-147/149	**3600**	**C**	**2.9**	**190**	**pg/g**
PCB-148	**6.6** U	**J Q**	**3.0**	**190**	**pg/g**
PCB-150	**3.8** U	**J Q**	**2.1**	**190**	**pg/g**
PCB-152	ND	U	2.2	190	pg/g
PCB-153/168	**4100**	**C B**	**2.2**	**190**	**pg/g**
PCB-154	**61**	**J**	**2.7**	**190**	**pg/g**
PCB-155	ND	U	2.3	190	pg/g
PCB-156/157	**150**	**C**	**3.1**	**38**	**pg/g**
PCB-158	**270**		**2.2**	**190**	**pg/g**
PCB-159	ND	U	2.5	190	pg/g
PCB-160	ND	U	3.4	190	pg/g
PCB-161	ND	U	2.7	190	pg/g
PCB-162	**13** U	**J Q**	**2.5**	**190**	**pg/g**
PCB-164	ND	U	3.2	190	pg/g
PCB-165	**2.6**	**J**	**2.5**	**190**	**pg/g**
PCB-167	**130**		**2.2**	**19**	**pg/g**
PCB-169	ND	U	2.8	19	pg/g
PCB-170	**220**		**4.2**	**190**	**pg/g**
PCB-171/173	**580**	**C**	**4.1**	**190**	**pg/g**
PCB-172	**14** U	**J Q**	**4.1**	**190**	**pg/g**
PCB-174	**11**	**J**	**4.7**	**190**	**pg/g**
PCB-175	**71**	**J**	**3.1**	**190**	**pg/g**
PCB-176	**180**	**J**	**2.1**	**190**	**pg/g**
PCB-177	**1400**		**4.2**	**190**	**pg/g**
PCB-178	**430**		**3.2**	**190**	**pg/g**
PCB-179	**700**		**2.4**	**190**	**pg/g**
PCB-180/193	**1500**	**C**	**3.3**	**190**	**pg/g**
PCB-181	ND	U	3.6	190	pg/g
PCB-182	ND	U	2.7	190	pg/g
PCB-183	**990** J		**2.6**	**190**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW31_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 008	**Work Order #....:**	MKC0A1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.61
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.81 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U	2.4	190	pg/g
PCB-185	ND	U	4.5	190	pg/g
PCB-186	ND	U	2.3	190	pg/g
PCB-187	**2800**		**2.9**	**190**	**pg/g**
PCB-188	ND	U	2.9	190	pg/g
PCB-189	**40**		**2.5**	**19**	**pg/g**
PCB-190	**170**	**J**	**2.9**	**190**	**pg/g**
PCB-191	**28**	**J**	**2.9**	**190**	**pg/g**
PCB-192	ND	U	3.1	190	pg/g
PCB-194	**47**	**J**	**3.2**	**190**	**pg/g**
PCB-195	**12**	**J**	**3.6**	**190**	**pg/g**
PCB-196	**6.0**	**J**	**3.0**	**190**	**pg/g**
PCB-197	**24**	**J**	**1.7**	**190**	**pg/g**
PCB-198/199	ND	U	3.2	190	pg/g
PCB-200	ND	U	3.3	190	pg/g
PCB-201	**100**	**J**	**2.2**	**190**	**pg/g**
PCB-202	**150**	**J**	**2.7**	**190**	**pg/g**
PCB-203	**71**	**J**	**3.1**	**190**	**pg/g**
PCB-204	ND	U	2.3	190	pg/g
PCB-205	**7.0**	**J**	**1.9**	**190**	**pg/g**
PCB-206	ND	U	3.7	190	pg/g
PCB-207	ND	U	3.0	190	pg/g
PCB-208	ND	U	3.2	190	pg/g
PCB-209	**85**	**J B**	**2.5**	**190**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW102_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 009	**Work Order #....:**	MKC0C1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.99
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.01 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND		U	1.5	200	pg/g
PCB-2	ND		U	1.5	200	pg/g
PCB-3	ND		U	1.4	200	pg/g
PCB-4	ND		U	8.3	200	pg/g
PCB-5	ND		U	7.8	200	pg/g
PCB-6	ND		U	8.0	200	pg/g
PCB-7	ND		U	7.6	200	pg/g
PCB-8	ND		U	7.9	200	pg/g
PCB-9	ND		U	8.7	200	pg/g
PCB-10	ND		U	5.7	200	pg/g
PCB-11	ND		U	9.6	200	pg/g
PCB-12/13	ND		U	7.8	200	pg/g
PCB-14	ND		U	6.7	200	pg/g
PCB-15	ND		U	7.3	200	pg/g
PCB-16	ND		U	3.1	200	pg/g
PCB-17	ND		U	2.5	200	pg/g
PCB-18/30	**4.1**	U	**C J Q B**	**2.1**	**200**	**pg/g**
PCB-19	ND		U	3.3	200	pg/g
PCB-20/28	**15**		**C J B**	**1.9**	**200**	**pg/g**
PCB-21/33	**3.9**	U	**C J Q B**	**1.9**	**200**	**pg/g**
PCB-22	**3.2**		**J B**	**2.0**	**200**	**pg/g**
PCB-23	ND		U	1.9	200	pg/g
PCB-24	ND		U	1.9	200	pg/g
PCB-25	ND		U	1.9	200	pg/g
PCB-26/29	**2.3**	U	**C J Q**	**1.9**	**200**	**pg/g**
PCB-27	ND		U	1.8	200	pg/g
PCB-31	**11**		**J B**	**1.9**	**200**	**pg/g**
PCB-32	ND		U	1.7	200	pg/g
PCB-34	ND		U	1.9	200	pg/g
PCB-35	ND		U	2.1	200	pg/g
PCB-36	ND		U	1.9	200	pg/g
PCB-37	**3.4**	U	**J Q B**	**2.0**	**200**	**pg/g**
PCB-38	ND		U	2.0	200	pg/g
PCB-39	ND		U	1.8	200	pg/g
PCB-40/71	**21**		**C J B**	**3.1**	**200**	**pg/g**
PCB-41	ND		U	3.8	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW102_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 009	**Work Order #....:**	MKC0C1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.99
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.01 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**8.5**	**J**	**3.5**	**200**	**pg/g**
PCB-43	ND	U	3.8	200	pg/g
PCB-45	ND	U	3.7	200	pg/g
PCB-46	ND	U	3.9	200	pg/g
PCB-44/47/65	**51**	**C J B**	**3.0**	**200**	**pg/g**
PCB-48	**5.6** U	**J Q**	**3.2**	**200**	**pg/g**
PCB-49/69	**31**	**C J B**	**2.6**	**200**	**pg/g**
PCB-50/53	**6.9** U	**C J Q**	**3.2**	**200**	**pg/g**
PCB-51	ND	U	3.1	200	pg/g
PCB-52	**140**	**J B**	**3.3**	**200**	**pg/g**
PCB-54	ND	U	2.7	200	pg/g
PCB-55	ND	U	2.6	200	pg/g
PCB-56	**15**	**J**	**2.7**	**200**	**pg/g**
PCB-57	ND	U	2.6	200	pg/g
PCB-58	ND	U	2.5	200	pg/g
PCB-59/62/75	ND	U	2.3	200	pg/g
PCB-60	**8.6**	**J**	**2.6**	**200**	**pg/g**
PCB-61/70/74/76	**150**	**C J B**	**2.5**	**200**	**pg/g**
PCB-63	ND	U	2.4	200	pg/g
PCB-64	**11**	**J B**	**2.2**	**200**	**pg/g**
PCB-66	**51** U	**J Q B**	**2.6**	**200**	**pg/g**
PCB-67	ND	U	2.4	200	pg/g
PCB-68	ND	U	2.3	200	pg/g
PCB-72	ND	U	2.5	200	pg/g
PCB-73	ND	U	2.5	200	pg/g
PCB-77	**7.3**	**J**	**2.7**	**20**	**pg/g**
PCB-78	ND	U	2.7	200	pg/g
PCB-79	ND	U	2.3	200	pg/g
PCB-80	ND	U	2.3	200	pg/g
PCB-81	ND	U	2.6	20	pg/g
PCB-82	**38**	**J**	**3.8**	**200**	**pg/g**
PCB-83	**65** UJ	**J Q**	**3.5**	**200**	**pg/g**
PCB-84	**87**	**J**	**3.7**	**200**	**pg/g**
PCB-85/116/117	**65**	**C J**	**2.6**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**320**	**C**	**2.7**	**200**	**pg/g**
PCB-88/91	**32**	**C J**	**3.1**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW102_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 009	**Work Order #....:**	MKC0C1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.99
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.01 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	**5.6**	**J**	**3.4**	**200**	**pg/g**
PCB-90/101/113	**1300**	**C B**	**2.7**	**200**	**pg/g**
PCB-92	**200**		**3.2**	**200**	**pg/g**
PCB-93/100	**37**	**C J**	**3.1**	**200**	**pg/g**
PCB-94	ND	U	3.4	200	pg/g
PCB-95	**780**		**3.2**	**200**	**pg/g**
PCB-96	ND	U	2.7	200	pg/g
PCB-98/102	ND	U	3.1	200	pg/g
PCB-99	**360** J		**3.2**	**200**	**pg/g**
PCB-103	**15** U	**J Q**	**2.9**	**200**	**pg/g**
PCB-104	ND	U	2.5	200	pg/g
PCB-105	**170**		**2.4**	**20**	**pg/g**
PCB-106	ND	U	2.7	200	pg/g
PCB-109	**45**	**J**	**1.9**	**200**	**pg/g**
PCB-107/124	**26**	**C J**	**2.4**	**200**	**pg/g**
PCB-110/115	**750**	**C**	**2.4**	**200**	**pg/g**
PCB-111	ND	U	2.3	200	pg/g
PCB-112	ND	U	2.3	200	pg/g
PCB-114	**8.4**	**J**	**2.4**	**20**	**pg/g**
PCB-118	**670**		**2.4**	**20**	**pg/g**
PCB-120	**7.2** U	**J Q**	**2.2**	**200**	**pg/g**
PCB-121	ND	U	2.3	200	pg/g
PCB-122	**5.5** U	**J Q**	**2.6**	**200**	**pg/g**
PCB-123	**7.4**	**J**	**2.5**	**20**	**pg/g**
PCB-126	ND	U	3.0	20	pg/g
PCB-127	ND	U	2.3	200	pg/g
PCB-128/166	**280**	**C**	**3.1**	**200**	**pg/g**
PCB-129/138/163	**3500**	**C B**	**3.0**	**200**	**pg/g**
PCB-130	**150**	**J**	**4.1**	**200**	**pg/g**
PCB-131	**21**	**J**	**3.8**	**200**	**pg/g**
PCB-132	**630**		**3.9**	**200**	**pg/g**
PCB-133	**60**	**J**	**3.8**	**200**	**pg/g**
PCB-134/143	**120**	**C J**	**3.9**	**200**	**pg/g**
PCB-135/151	**1500**	**C**	**3.5**	**200**	**pg/g**
PCB-136	**370**		**2.7**	**200**	**pg/g**
PCB-137	**33** U	**J Q**	**2.6**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW102_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 009	**Work Order #....:**	MKC0C1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.99
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.01 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**23**	**C J**	**3.4**	**200**	**pg/g**
PCB-141	**46**	**J**	**4.2**	**200**	**pg/g**
PCB-142	ND	U	4.2	200	pg/g
PCB-144	**210**		**3.5**	**200**	**pg/g**
PCB-145	ND	U	2.6	200	pg/g
PCB-146	**590**		**2.8**	**200**	**pg/g**
PCB-147/149	**3100**	**C**	**3.4**	**200**	**pg/g**
PCB-148	ND	U	3.5	200	pg/g
PCB-150	ND	U	2.4	200	pg/g
PCB-152	ND	U	2.5	200	pg/g
PCB-153/168	**4300**	**C B**	**2.6**	**200**	**pg/g**
PCB-154	**45**	**J**	**3.1**	**200**	**pg/g**
PCB-155	ND	U	2.6	200	pg/g
PCB-156/157	**170**	**C**	**2.4**	**40**	**pg/g**
PCB-158	**290**		**2.5**	**200**	**pg/g**
PCB-159	ND	U	1.8	200	pg/g
PCB-160	ND	U	3.9	200	pg/g
PCB-161	ND	U	3.1	200	pg/g
PCB-162	**14**	**J**	**1.9**	**200**	**pg/g**
PCB-164	ND	U	3.6	200	pg/g
PCB-165	ND	U	2.9	200	pg/g
PCB-167	**130**		**1.6**	**20**	**pg/g**
PCB-169	ND	U	2.0	20	pg/g
PCB-170	**160**	**J**	**2.9**	**200**	**pg/g**
PCB-171/173	**520**	**C**	**2.9**	**200**	**pg/g**
PCB-172	**7.2** U	**J Q**	**2.9**	**200**	**pg/g**
PCB-174	**7.3**	**J**	**3.3**	**200**	**pg/g**
PCB-175	**59**	**J**	**3.3**	**200**	**pg/g**
PCB-176	**160**	**J**	**2.3**	**200**	**pg/g**
PCB-177	**1100**		**2.9**	**200**	**pg/g**
PCB-178	**320**		**3.4**	**200**	**pg/g**
PCB-179	**570**		**2.5**	**200**	**pg/g**
PCB-180/193	**1100**	**C**	**2.3**	**200**	**pg/g**
PCB-181	ND	U	2.5	200	pg/g
PCB-182	ND	U	2.9	200	pg/g
PCB-183	**880** J		**1.8**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW102_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 009	**Work Order #....:**	MKC0C1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.99
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.01 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND		U	2.5	200	pg/g
PCB-185	ND		U	3.2	200	pg/g
PCB-186	ND		U	2.4	200	pg/g
PCB-187	**2100**			**3.1**	**200**	**pg/g**
PCB-188	ND		U	3.1	200	pg/g
PCB-189	**36**			**1.7**	**20**	**pg/g**
PCB-190	**160**		**J**	**2.1**	**200**	**pg/g**
PCB-191	**19**	u	**J Q**	**2.1**	**200**	**pg/g**
PCB-192	ND		U	2.2	200	pg/g
PCB-194	**39**		**J**	**2.2**	**200**	**pg/g**
PCB-195	**8.4**	u	**J Q**	**2.6**	**200**	**pg/g**
PCB-196	ND		U	1.6	200	pg/g
PCB-197	**25**		**J**	**0.93**	**200**	**pg/g**
PCB-198/199	**4.1**	u	**C J Q**	**1.8**	**200**	**pg/g**
PCB-200	ND		U	1.8	200	pg/g
PCB-201	**83**		**J**	**1.2**	**200**	**pg/g**
PCB-202	**120**		**J**	**1.5**	**200**	**pg/g**
PCB-203	**55**		**J**	**1.7**	**200**	**pg/g**
PCB-204	ND		U	1.3	200	pg/g
PCB-205	**4.7**	u	**J Q**	**1.4**	**200**	**pg/g**
PCB-206	**6.7**		**J**	**3.6**	**200**	**pg/g**
PCB-207	ND		U	2.8	200	pg/g
PCB-208	ND		U	2.9	200	pg/g
PCB-209	**38**		**J B**	**1.6**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: DUP1_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 010	**Work Order #....:**	MKC0D1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.92
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.15 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND		U	1.2	200	pg/g
PCB-2	ND		U	1.2	200	pg/g
PCB-3	ND		U	1.0	200	pg/g
PCB-4	ND		U	7.8	200	pg/g
PCB-5	ND		U	8.2	200	pg/g
PCB-6	ND		U	8.4	200	pg/g
PCB-7	ND		U	8.0	200	pg/g
PCB-8	ND		U	8.3	200	pg/g
PCB-9	ND		U	9.2	200	pg/g
PCB-10	ND		U	5.0	200	pg/g
PCB-11	ND		U	12	200	pg/g
PCB-12/13	ND		U	8.2	200	pg/g
PCB-14	ND		U	7.0	200	pg/g
PCB-15	ND		U	7.4	200	pg/g
PCB-16	**2.6**		**J B**	**1.7**	**200**	**pg/g**
PCB-17	**3.4**		**J B**	**1.4**	**200**	**pg/g**
PCB-18/30	**6.9**		**C J B**	**1.2**	**200**	**pg/g**
PCB-19	ND		U	1.9	200	pg/g
PCB-20/28	**23**		**C J B**	**1.4**	**200**	**pg/g**
PCB-21/33	**8.0**	U	**C J Q B**	**1.3**	**200**	**pg/g**
PCB-22	**6.2**		**J B**	**1.4**	**200**	**pg/g**
PCB-23	ND		U	1.4	200	pg/g
PCB-24	ND		U	1.0	200	pg/g
PCB-25	**1.9**	U	**J Q**	**1.4**	**200**	**pg/g**
PCB-26/29	**4.1**		**C J**	**1.3**	**200**	**pg/g**
PCB-27	ND		U	0.99	200	pg/g
PCB-31	**19**		**J B**	**1.3**	**200**	**pg/g**
PCB-32	**1.6**	U	**J Q B**	**0.92**	**200**	**pg/g**
PCB-34	ND		U	1.4	200	pg/g
PCB-35	ND		U	1.5	200	pg/g
PCB-36	ND		U	1.3	200	pg/g
PCB-37	**4.9**		**J B**	**1.4**	**200**	**pg/g**
PCB-38	ND		U	1.4	200	pg/g
PCB-39	ND		U	1.3	200	pg/g
PCB-40/71	**37**		**C J B**	**1.6**	**200**	**pg/g**
PCB-41	ND		U	1.9	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: DUP1_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 010	**Work Order #....:**	MKC0D1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.92
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.15 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**15**	**J**	**1.7**	**200**	**pg/g**
PCB-43	ND	U	1.9	200	pg/g
PCB-45	ND	U	1.8	200	pg/g
PCB-46	ND	U	2.0	200	pg/g
PCB-44/47/65	**89**	**C J B**	**1.5**	**200**	**pg/g**
PCB-48	**8.4** U	**J Q**	**1.6**	**200**	**pg/g**
PCB-49/69	**60**	**C J B**	**1.3**	**200**	**pg/g**
PCB-50/53	**9.4** U	**C J Q**	**1.6**	**200**	**pg/g**
PCB-51	ND	U	1.6	200	pg/g
PCB-52	**240**	**B**	**1.7**	**200**	**pg/g**
PCB-54	ND	U	1.0	200	pg/g
PCB-55	ND	U	2.7	200	pg/g
PCB-56	**26**	**J**	**2.7**	**200**	**pg/g**
PCB-57	ND	U	2.6	200	pg/g
PCB-58	ND	U	2.5	200	pg/g
PCB-59/62/75	ND	U	1.2	200	pg/g
PCB-60	**14**	**J**	**2.7**	**200**	**pg/g**
PCB-61/70/74/76	**260**	**C B**	**2.6**	**200**	**pg/g**
PCB-63	ND	U	2.4	200	pg/g
PCB-64	**22**	**J B**	**1.1**	**200**	**pg/g**
PCB-66	**100**	**J B**	**2.7**	**200**	**pg/g**
PCB-67	ND	U	2.5	200	pg/g
PCB-68	ND	U	2.3	200	pg/g
PCB-72	ND	U	2.5	200	pg/g
PCB-73	ND	U	1.2	200	pg/g
PCB-77	**9.7** U	**J Q**	**2.7**	**20**	**pg/g**
PCB-78	ND	U	2.7	200	pg/g
PCB-79	ND	U	2.3	200	pg/g
PCB-80	ND	U	2.3	200	pg/g
PCB-81	ND	U	2.6	20	pg/g
PCB-82	**61**	**J**	**4.3**	**200**	**pg/g**
PCB-83	**99** J	**J**	**4.0**	**200**	**pg/g**
PCB-84	**150**	**J**	**4.3**	**200**	**pg/g**
PCB-85/116/117	**120**	**C J**	**2.9**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**530**	**C**	**3.1**	**200**	**pg/g**
PCB-88/91	**62**	**C J**	**3.6**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: DUP1_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 010	**Work Order #....:**	MKC0D1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.92
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.15 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	**10**	U	**J Q**	**3.9**	**200**	**pg/g**
PCB-90/101/113	**2000**		**C B**	**3.1**	**200**	**pg/g**
PCB-92	**320**			**3.7**	**200**	**pg/g**
PCB-93/100	**3.9**	U	**C J Q**	**3.5**	**200**	**pg/g**
PCB-94	ND		U	3.9	200	pg/g
PCB-95	**1300**			**3.6**	**200**	**pg/g**
PCB-96	ND		U	1.1	200	pg/g
PCB-98/102	**62**		**C J**	**3.5**	**200**	**pg/g**
PCB-99	**560**	J		**3.6**	**200**	**pg/g**
PCB-103	**24**	U	**J Q**	**3.3**	**200**	**pg/g**
PCB-104	ND		U	0.99	200	pg/g
PCB-105	**250**			**2.9**	**20**	**pg/g**
PCB-106	ND		U	3.1	200	pg/g
PCB-109	**66**		**J**	**2.2**	**200**	**pg/g**
PCB-107/124	**38**		**C J**	**2.8**	**200**	**pg/g**
PCB-110/115	**1100**		**C**	**2.7**	**200**	**pg/g**
PCB-111	ND		U	2.6	200	pg/g
PCB-112	ND		U	2.6	200	pg/g
PCB-114	**7.0**	U	**J Q**	**2.8**	**20**	**pg/g**
PCB-118	**990**			**2.7**	**20**	**pg/g**
PCB-120	**11**		**J**	**2.6**	**200**	**pg/g**
PCB-121	ND		U	2.6	200	pg/g
PCB-122	**8.4**	U	**J Q**	**3.0**	**200**	**pg/g**
PCB-123	**8.8**		**J**	**2.7**	**20**	**pg/g**
PCB-126	**9.6**	U	**J Q**	**3.1**	**20**	**pg/g**
PCB-127	ND		U	2.7	200	pg/g
PCB-128/166	**360**		**C**	**2.2**	**200**	**pg/g**
PCB-129/138/163	**5300**		**C B**	**2.1**	**200**	**pg/g**
PCB-130	**230**			**3.0**	**200**	**pg/g**
PCB-131	**33**		**J**	**2.7**	**200**	**pg/g**
PCB-132	**1200**			**2.8**	**200**	**pg/g**
PCB-133	**95**		**J**	**2.7**	**200**	**pg/g**
PCB-134/143	**180**		**C J**	**2.8**	**200**	**pg/g**
PCB-135/151	**2500**		**C**	**2.5**	**200**	**pg/g**
PCB-136	**630**			**1.9**	**200**	**pg/g**
PCB-137	ND		U	1.9	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: DUP1_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 010	**Work Order #....:**	MKC0D1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.92
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.15 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**28** U	**C J Q**	**2.4**	**200**	**pg/g**
PCB-141	**110**	**J**	**3.0**	**200**	**pg/g**
PCB-142	ND	U	3.0	200	pg/g
PCB-144	**330**		**2.5**	**200**	**pg/g**
PCB-145	ND	U	1.9	200	pg/g
PCB-146	**880**		**2.0**	**200**	**pg/g**
PCB-147/149	**5100**	**C**	**2.4**	**200**	**pg/g**
PCB-148	ND	U	2.5	200	pg/g
PCB-150	ND	U	1.7	200	pg/g
PCB-152	ND	U	1.8	200	pg/g
PCB-153/168	**6500**	**C B**	**1.9**	**200**	**pg/g**
PCB-154	**68**	**J**	**2.2**	**200**	**pg/g**
PCB-155	ND	U	1.8	200	pg/g
PCB-156/157	**260**	**C**	**4.8**	**40**	**pg/g**
PCB-158	**430**		**1.8**	**200**	**pg/g**
PCB-159	ND	U	3.9	200	pg/g
PCB-160	ND	U	2.8	200	pg/g
PCB-161	ND	U	2.2	200	pg/g
PCB-162	**19**	**J**	**4.0**	**200**	**pg/g**
PCB-164	**100** U	**J Q**	**2.6**	**200**	**pg/g**
PCB-165	ND	U	2.1	200	pg/g
PCB-167	**200**		**3.6**	**20**	**pg/g**
PCB-169	**7.8**	**J**	**4.7**	**20**	**pg/g**
PCB-170	**300**		**5.6**	**200**	**pg/g**
PCB-171/173	**780**	**C**	**5.6**	**200**	**pg/g**
PCB-172	**26**	**J**	**5.5**	**200**	**pg/g**
PCB-174	**13** U	**J Q**	**6.3**	**200**	**pg/g**
PCB-175	**61** U	**J Q**	**2.6**	**200**	**pg/g**
PCB-176	**260**		**1.8**	**200**	**pg/g**
PCB-177	**1700**		**5.6**	**200**	**pg/g**
PCB-178	**470**		**2.7**	**200**	**pg/g**
PCB-179	**910**		**2.0**	**200**	**pg/g**
PCB-180/193	**2000**	**C**	**4.4**	**200**	**pg/g**
PCB-181	ND	U	4.8	200	pg/g
PCB-182	ND	U	2.3	200	pg/g
PCB-183	**1400** J		**3.4**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: DUP1_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 010	**Work Order #....:**	MKC0D1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.92
Prep Date....:	06/29/11	**Analysis Date....:**	07/08/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.15 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U	2.0	200	pg/g
PCB-185	ND	U	6.1	200	pg/g
PCB-186	ND	U	1.9	200	pg/g
PCB-187	**3000**		**2.4**	**200**	**pg/g**
PCB-188	ND	U	2.2	200	pg/g
PCB-189	**60**		**3.7**	**20**	**pg/g**
PCB-190	**260**		**4.0**	**200**	**pg/g**
PCB-191	**41**	**J**	**3.9**	**200**	**pg/g**
PCB-192	ND	U	4.2	200	pg/g
PCB-194	**66**	**J**	**4.3**	**200**	**pg/g**
PCB-195	**14** U	**J Q**	**4.9**	**200**	**pg/g**
PCB-196	**12** U	**J Q**	**3.5**	**200**	**pg/g**
PCB-197	**34**	**J**	**2.0**	**200**	**pg/g**
PCB-198/199	**9.6** U	**C J Q**	**3.8**	**200**	**pg/g**
PCB-200	ND	U	3.9	200	pg/g
PCB-201	**120**	**J**	**2.6**	**200**	**pg/g**
PCB-202	**150**	**J**	**3.0**	**200**	**pg/g**
PCB-203	**92**	**J**	**3.6**	**200**	**pg/g**
PCB-204	ND	U	2.7	200	pg/g
PCB-205	**7.1**	**J**	**2.8**	**200**	**pg/g**
PCB-206	ND	U	6.0	200	pg/g
PCB-207	ND	U	4.6	200	pg/g
PCB-208	ND	U	5.0	200	pg/g
PCB-209	**26** U	**J Q B**	**3.4**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB1_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 011	**Work Order #....:**	MKC0E1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.39 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND		U	0.15	20	pg/g
PCB-2	ND		U	0.13	20	pg/g
PCB-3	ND		U	0.097	20	pg/g
PCB-4	ND		U	1.1	20	pg/g
PCB-5	ND		U	0.77	20	pg/g
PCB-6	ND		U	0.79	20	pg/g
PCB-7	ND		U	0.75	20	pg/g
PCB-8	ND		U	0.78	20	pg/g
PCB-9	ND		U	0.86	20	pg/g
PCB-10	ND		U	0.68	20	pg/g
PCB-11	**4.7**	U	**J Q B**	**0.77**	**20**	**pg/g**
PCB-12/13	ND		U	0.77	20	pg/g
PCB-14	ND		U	0.66	20	pg/g
PCB-15	ND		U	0.66	20	pg/g
PCB-16	**0.38**	U	**J Q B**	**0.21**	**20**	**pg/g**
PCB-17	**0.51**	U	**J B**	**0.16**	**20**	**pg/g**
PCB-18/30	**1.0**	U	**C J B**	**0.14**	**20**	**pg/g**
PCB-19	ND		U	0.23	20	pg/g
PCB-20/28	**6.9**		**C J B**	**0.16**	**20**	**pg/g**
PCB-21/33	**0.67**	U	**C J B**	**0.16**	**20**	**pg/g**
PCB-22	**2.3**	U	**J B**	**0.17**	**20**	**pg/g**
PCB-23	ND		U	0.16	20	pg/g
PCB-24	ND		U	0.13	20	pg/g
PCB-25	ND		U	0.16	20	pg/g
PCB-26/29	**0.83**		**C J**	**0.16**	**20**	**pg/g**
PCB-27	ND		U	0.12	20	pg/g
PCB-31	**4.7**	U	**J B**	**0.16**	**20**	**pg/g**
PCB-32	**0.24**	U	**J Q B**	**0.11**	**20**	**pg/g**
PCB-34	ND		U	0.16	20	pg/g
PCB-35	ND		U	0.17	20	pg/g
PCB-36	ND		U	0.16	20	pg/g
PCB-37	**0.42**	U	**J Q B**	**0.17**	**20**	**pg/g**
PCB-38	ND		U	0.17	20	pg/g
PCB-39	ND		U	0.15	20	pg/g
PCB-40/71	**0.63**	U	**C J B**	**0.12**	**20**	**pg/g**
PCB-41	ND		U	0.14	20	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB1_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 011	**Work Order #....:**	MKC0E1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.39 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**0.38** U	**J Q**	**0.13**	**20**	**pg/g**
PCB-43	ND	U	0.14	20	pg/g
PCB-45	ND	U	0.14	20	pg/g
PCB-46	ND	U	0.15	20	pg/g
PCB-44/47/65	**9.6**	**C J B**	**0.11**	**20**	**pg/g**
PCB-48	ND	U	0.12	20	pg/g
PCB-49/69	**7.2**	**C J B**	**0.099**	**20**	**pg/g**
PCB-50/53	ND	U	0.12	20	pg/g
PCB-51	ND	U	0.12	20	pg/g
PCB-52	**23**	**B**	**0.12**	**20**	**pg/g**
PCB-54	ND	U	0.10	20	pg/g
PCB-55	ND	U	0.20	20	pg/g
PCB-56	**1.7**	**J**	**0.21**	**20**	**pg/g**
PCB-57	ND	U	0.20	20	pg/g
PCB-58	ND	U	0.19	20	pg/g
PCB-59/62/75	**0.80**	**C J**	**0.087**	**20**	**pg/g**
PCB-60	**5.4**	**J**	**0.20**	**20**	**pg/g**
PCB-61/70/74/76	**45**	**C B**	**0.19**	**20**	**pg/g**
PCB-63	**1.2**	**J**	**0.18**	**20**	**pg/g**
PCB-64	**3.3**	**J B**	**0.084**	**20**	**pg/g**
PCB-66	**19**	**J B**	**0.20**	**20**	**pg/g**
PCB-67	ND	U	0.19	20	pg/g
PCB-68	**0.56**	**J**	**0.18**	**20**	**pg/g**
PCB-72	**0.35** U	**J Q**	**0.19**	**20**	**pg/g**
PCB-73	ND	U	0.093	20	pg/g
PCB-77	ND	U	0.19	2.0	pg/g
PCB-78	ND	U	0.20	20	pg/g
PCB-79	ND	U	0.18	20	pg/g
PCB-80	ND	U	0.17	20	pg/g
PCB-81	ND	U	0.19	2.0	pg/g
PCB-82	**0.30** U	**J Q**	**0.27**	**20**	**pg/g**
PCB-83	**4.6** J	**J**	**0.25**	**20**	**pg/g**
PCB-84	**1.2**	**J**	**0.26**	**20**	**pg/g**
PCB-85/116/117	**23**	**C**	**0.18**	**20**	**pg/g**
PCB-86/87/97/108/119/125	**31**	**C**	**0.19**	**20**	**pg/g**
PCB-88/91	**1.2**	**C J**	**0.22**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB1_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 011	**Work Order #....:**	MKC0E1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.39 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	0.24	20	pg/g
PCB-90/101/113	**97**	**C B**	**0.19**	**20**	**pg/g**
PCB-92	**20**		**0.23**	**20**	**pg/g**
PCB-93/100	**0.64**	**C J**	**0.22**	**20**	**pg/g**
PCB-94	ND	U	0.24	20	pg/g
PCB-95	**5.9**	**J**	**0.23**	**20**	**pg/g**
PCB-96	ND	U	0.076	20	pg/g
PCB-98/102	ND	U	0.22	20	pg/g
PCB-99	**98** J		**0.22**	**20**	**pg/g**
PCB-103	**0.65** U	**J Q**	**0.21**	**20**	**pg/g**
PCB-104	ND	U	0.074	20	pg/g
PCB-105	**37**		**0.18**	**2.0**	**pg/g**
PCB-106	ND	U	0.19	20	pg/g
PCB-109	**7.6**	**J**	**0.13**	**20**	**pg/g**
PCB-107/124	**2.7**	**C J**	**0.17**	**20**	**pg/g**
PCB-110/115	**53**	**C**	**0.17**	**20**	**pg/g**
PCB-111	ND	U	0.16	20	pg/g
PCB-112	ND	U	0.16	20	pg/g
PCB-114	**3.0**		**0.17**	**2.0**	**pg/g**
PCB-118	**120**		**0.16**	**2.0**	**pg/g**
PCB-120	**1.1**	**J**	**0.16**	**20**	**pg/g**
PCB-121	ND	U	0.16	20	pg/g
PCB-122	ND	U	0.19	20	pg/g
PCB-123	**1.5**	**J**	**0.17**	**2.0**	**pg/g**
PCB-126	**0.62**	**J**	**0.18**	**2.0**	**pg/g**
PCB-127	ND	U	0.16	20	pg/g
PCB-128/166	**28**	**C**	**0.19**	**20**	**pg/g**
PCB-129/138/163	**300**	**C B**	**0.19**	**20**	**pg/g**
PCB-130	**7.4**	**J**	**0.26**	**20**	**pg/g**
PCB-131	ND	U	0.24	20	pg/g
PCB-132	**5.4**	**J**	**0.24**	**20**	**pg/g**
PCB-133	**7.5**	**J**	**0.24**	**20**	**pg/g**
PCB-134/143	**3.9**	**C J**	**0.25**	**20**	**pg/g**
PCB-135/151	**53**	**C**	**0.22**	**20**	**pg/g**
PCB-136	**6.4**	**J**	**0.17**	**20**	**pg/g**
PCB-137	**5.9**	**J**	**0.16**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB1_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 011	**Work Order #....:**	MKC0E1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.39 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**4.1** U	**C J Q**	**0.21**	**20**	**pg/g**
PCB-141	**23**		**0.27**	**20**	**pg/g**
PCB-142	ND	U	0.27	20	pg/g
PCB-144	**4.3**	**J**	**0.22**	**20**	**pg/g**
PCB-145	ND	U	0.17	20	pg/g
PCB-146	**43**		**0.18**	**20**	**pg/g**
PCB-147/149	**28**	**C**	**0.21**	**20**	**pg/g**
PCB-148	ND	U	0.22	20	pg/g
PCB-150	ND	U	0.15	20	pg/g
PCB-152	ND	U	0.16	20	pg/g
PCB-153/168	**410**	**C B**	**0.16**	**20**	**pg/g**
PCB-154	**6.9**	**J**	**0.20**	**20**	**pg/g**
PCB-155	**0.94**	**J**	**0.17**	**20**	**pg/g**
PCB-156/157	**21**	**C**	**0.26**	**3.9**	**pg/g**
PCB-158	**20**		**0.16**	**20**	**pg/g**
PCB-159	**0.21** U	**J Q**	**0.21**	**20**	**pg/g**
PCB-160	ND	U	0.25	20	pg/g
PCB-161	ND	U	0.20	20	pg/g
PCB-162	**1.1** U	**J Q**	**0.21**	**20**	**pg/g**
PCB-164	**4.7** U	**J Q**	**0.23**	**20**	**pg/g**
PCB-165	**1.0**	**J**	**0.18**	**20**	**pg/g**
PCB-167	**8.5**	**Q**	**0.19**	**2.0**	**pg/g**
PCB-169	ND	U	0.24	2.0	pg/g
PCB-170	**67**		**0.34**	**20**	**pg/g**
PCB-171/173	**41**	**C**	**0.34**	**20**	**pg/g**
PCB-172	**13**	**J**	**0.33**	**20**	**pg/g**
PCB-174	**20**		**0.38**	**20**	**pg/g**
PCB-175	**4.0**	**J**	**0.16**	**20**	**pg/g**
PCB-176	**3.4**	**J**	**0.11**	**20**	**pg/g**
PCB-177	**31**		**0.34**	**20**	**pg/g**
PCB-178	**37**		**0.16**	**20**	**pg/g**
PCB-179	**27**		**0.12**	**20**	**pg/g**
PCB-180/193	**180**	**C**	**0.27**	**20**	**pg/g**
PCB-181	**0.34** U	**J Q**	**0.29**	**20**	**pg/g**
PCB-182	**0.29** U	**J Q**	**0.14**	**20**	**pg/g**
PCB-183	**69** J		**0.21**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB1_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 011	**Work Order #....:**	MKC0E1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.39 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	**0.52**	**J**	**0.12**	**20**	**pg/g**
PCB-185	**5.6** J	**J**	**0.37**	**20**	**pg/g**
PCB-186	ND	U	0.12	20	pg/g
PCB-187	**130**		**0.15**	**20**	**pg/g**
PCB-188	**0.52**	**J**	**0.13**	**20**	**pg/g**
PCB-189	**2.4**		**0.22**	**2.0**	**pg/g**
PCB-190	**12**	**J**	**0.24**	**20**	**pg/g**
PCB-191	**2.7** U	**J Q**	**0.24**	**20**	**pg/g**
PCB-192	ND	U	0.25	20	pg/g
PCB-194	**30**		**0.27**	**20**	**pg/g**
PCB-195	**20**		**0.31**	**20**	**pg/g**
PCB-196	**22**		**0.20**	**20**	**pg/g**
PCB-197	**3.9**	**J**	**0.12**	**20**	**pg/g**
PCB-198/199	**63**	**C**	**0.22**	**20**	**pg/g**
PCB-200	**3.8**	**J**	**0.22**	**20**	**pg/g**
PCB-201	**13**	**J**	**0.15**	**20**	**pg/g**
PCB-202	**23**		**0.15**	**20**	**pg/g**
PCB-203	**32**		**0.21**	**20**	**pg/g**
PCB-204	ND	U	0.16	20	pg/g
PCB-205	**1.5** U	**J Q**	**0.22**	**20**	**pg/g**
PCB-206	**25**		**0.84**	**20**	**pg/g**
PCB-207	**3.1**	**J**	**0.55**	**20**	**pg/g**
PCB-208	**11**	**J**	**0.54**	**20**	**pg/g**
PCB-209	**13**	**J B**	**0.14**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 012	**Work Order #....:**	MKC0G1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.93
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.14 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND		U	0.85	200	pg/g
PCB-2	ND		U	0.92	200	pg/g
PCB-3	ND		U	0.87	200	pg/g
PCB-4	ND		U	9.6	200	pg/g
PCB-5	ND		U	8.0	200	pg/g
PCB-6	ND		U	8.2	200	pg/g
PCB-7	ND		U	7.8	200	pg/g
PCB-8	ND		U	8.1	200	pg/g
PCB-9	ND		U	9.0	200	pg/g
PCB-10	ND		U	6.9	200	pg/g
PCB-11	ND		U	9.4	200	pg/g
PCB-12/13	ND		U	8.0	200	pg/g
PCB-14	ND		U	6.8	200	pg/g
PCB-15	ND		U	7.6	200	pg/g
PCB-16	ND		U	1.5	200	pg/g
PCB-17	ND		U	1.2	200	pg/g
PCB-18/30	ND		U	1.0	200	pg/g
PCB-19	ND		U	1.5	200	pg/g
PCB-20/28	**8.6**		**C J B**	**1.0**	**200**	**pg/g**
PCB-21/33	ND		U	0.96	200	pg/g
PCB-22	**2.5**	U	**J Q B**	**1.0**	**200**	**pg/g**
PCB-23	ND		U	1.0	200	pg/g
PCB-24	ND		U	0.91	200	pg/g
PCB-25	ND		U	0.98	200	pg/g
PCB-26/29	ND		U	0.96	200	pg/g
PCB-27	ND		U	0.86	200	pg/g
PCB-31	**9.4**		**J B**	**0.95**	**200**	**pg/g**
PCB-32	ND		U	0.81	200	pg/g
PCB-34	ND		U	1.0	200	pg/g
PCB-35	ND		U	1.1	200	pg/g
PCB-36	ND		U	0.95	200	pg/g
PCB-37	ND		U	1.1	200	pg/g
PCB-38	ND		U	1.0	200	pg/g
PCB-39	ND		U	0.92	200	pg/g
PCB-40/71	**6.5**		**C J B**	**1.1**	**200**	**pg/g**
PCB-41	ND		U	1.4	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 012	**Work Order #....:**	MKC0G1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.93
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.14 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	ND		U	1.2	200	pg/g
PCB-43	ND		U	1.4	200	pg/g
PCB-45	ND		U	1.3	200	pg/g
PCB-46	ND		U	1.4	200	pg/g
PCB-44/47/65	**110**		**C J B**	**1.1**	**200**	**pg/g**
PCB-48	ND		U	1.2	200	pg/g
PCB-49/69	**120**		**C J B**	**0.94**	**200**	**pg/g**
PCB-50/53	ND		U	1.1	200	pg/g
PCB-51	ND		U	1.1	200	pg/g
PCB-52	**760**		**B**	**1.2**	**200**	**pg/g**
PCB-54	ND		U	0.83	200	pg/g
PCB-55	ND		U	1.8	200	pg/g
PCB-56	**24**		**J**	**1.8**	**200**	**pg/g**
PCB-57	ND		U	1.8	200	pg/g
PCB-58	ND		U	1.7	200	pg/g
PCB-59/62/75	ND		U	0.83	200	pg/g
PCB-60	**27**	U	**J Q**	**1.8**	**200**	**pg/g**
PCB-61/70/74/76	**670**		**C B**	**1.7**	**200**	**pg/g**
PCB-63	**5.4**		**J**	**1.6**	**200**	**pg/g**
PCB-64	**73**		**J B**	**0.80**	**200**	**pg/g**
PCB-66	**180**		**J B**	**1.8**	**200**	**pg/g**
PCB-67	ND		U	1.6	200	pg/g
PCB-68	ND		U	1.6	200	pg/g
PCB-72	ND		U	1.7	200	pg/g
PCB-73	ND		U	0.89	200	pg/g
PCB-77	ND		U	1.8	20	pg/g
PCB-78	ND		U	1.8	200	pg/g
PCB-79	ND		U	1.6	200	pg/g
PCB-80	ND		U	1.5	200	pg/g
PCB-81	ND		U	1.8	20	pg/g
PCB-82	**100**		**J**	**4.1**	**200**	**pg/g**
PCB-83	**11**	UJ	**J Q**	**3.8**	**200**	**pg/g**
PCB-84	**170**		**J**	**4.1**	**200**	**pg/g**
PCB-85/116/117	**260**		**C**	**2.8**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**930**		**C**	**2.9**	**200**	**pg/g**
PCB-88/91	**87**		**C J**	**3.4**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 012	**Work Order #....:**	MKC0G1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.93
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.14 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	3.7	200	pg/g
PCB-90/101/113	**1600**	**C B**	**3.0**	**200**	**pg/g**
PCB-92	**270**		**3.5**	**200**	**pg/g**
PCB-93/100	**5.3**	**C J**	**3.4**	**200**	**pg/g**
PCB-94	ND	U	3.7	200	pg/g
PCB-95	**440**		**3.5**	**200**	**pg/g**
PCB-96	ND	U	0.85	200	pg/g
PCB-98/102	ND	U	3.4	200	pg/g
PCB-99	**780** J		**3.4**	**200**	**pg/g**
PCB-103	**6.0** U	**J Q**	**3.2**	**200**	**pg/g**
PCB-104	ND	U	0.77	200	pg/g
PCB-105	**580**		**2.7**	**20**	**pg/g**
PCB-106	ND	U	3.0	200	pg/g
PCB-109	**70**	**J**	**2.0**	**200**	**pg/g**
PCB-107/124	**58**	**C J**	**2.6**	**200**	**pg/g**
PCB-110/115	**1600**	**C**	**2.6**	**200**	**pg/g**
PCB-111	ND	U	2.5	200	pg/g
PCB-112	ND	U	2.5	200	pg/g
PCB-114	**31**		**2.7**	**20**	**pg/g**
PCB-118	**1300**		**2.5**	**20**	**pg/g**
PCB-120	ND	U	2.4	200	pg/g
PCB-121	ND	U	2.5	200	pg/g
PCB-122	ND	U	2.9	200	pg/g
PCB-123	**17**	**J**	**2.7**	**20**	**pg/g**
PCB-126	ND	U	3.0	20	pg/g
PCB-127	ND	U	2.5	200	pg/g
PCB-128/166	**230**	**C**	**1.3**	**200**	**pg/g**
PCB-129/138/163	**1100**	**C B**	**1.3**	**200**	**pg/g**
PCB-130	**52**	**J**	**1.8**	**200**	**pg/g**
PCB-131	**13** U	**J Q**	**1.7**	**200**	**pg/g**
PCB-132	**200**	**J**	**1.7**	**200**	**pg/g**
PCB-133	**15**	**J**	**1.6**	**200**	**pg/g**
PCB-134/143	**50**	**C J**	**1.7**	**200**	**pg/g**
PCB-135/151	**190**	**C J**	**1.5**	**200**	**pg/g**
PCB-136	**100**	**J**	**1.2**	**200**	**pg/g**
PCB-137	**59**	**J**	**1.1**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 012	**Work Order #....:**	MKC0G1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.93
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.14 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**25**	**C J**	**1.5**	**200**	**pg/g**
PCB-141	**180**	**J**	**1.8**	**200**	**pg/g**
PCB-142	ND	U	1.8	200	pg/g
PCB-144	**32**	**J**	**1.5**	**200**	**pg/g**
PCB-145	ND	U	1.1	200	pg/g
PCB-146	**110**	**J**	**1.2**	**200**	**pg/g**
PCB-147/149	**360**	**C**	**1.5**	**200**	**pg/g**
PCB-148	ND	U	1.5	200	pg/g
PCB-150	ND	U	1.1	200	pg/g
PCB-152	ND	U	1.1	200	pg/g
PCB-153/168	**820**	**C B**	**1.1**	**200**	**pg/g**
PCB-154	**12**	**J**	**1.4**	**200**	**pg/g**
PCB-155	ND	U	1.1	200	pg/g
PCB-156/157	**160**	**C**	**2.9**	**40**	**pg/g**
PCB-158	**120**	**J**	**1.1**	**200**	**pg/g**
PCB-159	ND	U	2.3	200	pg/g
PCB-160	ND	U	1.7	200	pg/g
PCB-161	ND	U	1.3	200	pg/g
PCB-162	ND	U	2.3	200	pg/g
PCB-164	**62** U	**J Q**	**1.6**	**200**	**pg/g**
PCB-165	ND	U	1.3	200	pg/g
PCB-167	**49**		**2.2**	**20**	**pg/g**
PCB-169	ND	U	2.3	20	pg/g
PCB-170	**130**	**J**	**2.5**	**200**	**pg/g**
PCB-171/173	**52**	**C J**	**2.5**	**200**	**pg/g**
PCB-172	**21**	**J**	**2.4**	**200**	**pg/g**
PCB-174	**61**	**J**	**2.8**	**200**	**pg/g**
PCB-175	**3.6**	**J**	**1.6**	**200**	**pg/g**
PCB-176	**4.2** U	**J Q**	**1.1**	**200**	**pg/g**
PCB-177	**29** U	**J Q**	**2.5**	**200**	**pg/g**
PCB-178	**31**	**J**	**1.7**	**200**	**pg/g**
PCB-179	**29**	**J**	**1.2**	**200**	**pg/g**
PCB-180/193	**240**	**C**	**2.0**	**200**	**pg/g**
PCB-181	ND	U	2.1	200	pg/g
PCB-182	ND	U	1.4	200	pg/g
PCB-183	**71** J	**J**	**1.5**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB2_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 012	**Work Order #....:**	MKC0G1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.93
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.14 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND		U	1.2	200	pg/g
PCB-185	ND		U	2.7	200	pg/g
PCB-186	ND		U	1.2	200	pg/g
PCB-187	**140**		**J**	**1.5**	**200**	**pg/g**
PCB-188	ND		U	1.5	200	pg/g
PCB-189	ND		U	1.4	20	pg/g
PCB-190	**25**		**J**	**1.8**	**200**	**pg/g**
PCB-191	**5.1**		**J**	**1.8**	**200**	**pg/g**
PCB-192	ND		U	1.9	200	pg/g
PCB-194	**45**		**J**	**1.7**	**200**	**pg/g**
PCB-195	**16**	u	**J Q**	**2.0**	**200**	**pg/g**
PCB-196	**20**		**J**	**1.4**	**200**	**pg/g**
PCB-197	ND		U	0.78	200	pg/g
PCB-198/199	**47**		**C J**	**1.5**	**200**	**pg/g**
PCB-200	ND		U	1.5	200	pg/g
PCB-201	**5.9**	u	**J Q**	**1.0**	**200**	**pg/g**
PCB-202	**19**		**J**	**1.4**	**200**	**pg/g**
PCB-203	**32**		**J**	**1.4**	**200**	**pg/g**
PCB-204	ND		U	1.1	200	pg/g
PCB-205	**2.4**	u	**J Q**	**0.92**	**200**	**pg/g**
PCB-206	**30**		**J**	**2.8**	**200**	**pg/g**
PCB-207	ND		U	2.3	200	pg/g
PCB-208	**10**		**J**	**2.5**	**200**	**pg/g**
PCB-209	**18**		**J B**	**0.94**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 013	**Work Order #....:**	MKC0H1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.82 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND	U	0.22	19	pg/g
PCB-2	ND	U	0.17	19	pg/g
PCB-3	ND	U	0.11	19	pg/g
PCB-4	ND	U	1.3	19	pg/g
PCB-5	ND	U	0.77	19	pg/g
PCB-6	ND	U	0.80	19	pg/g
PCB-7	ND	U	0.76	19	pg/g
PCB-8	ND	U	0.79	19	pg/g
PCB-9	ND	U	0.87	19	pg/g
PCB-10	ND	U	0.67	19	pg/g
PCB-11	**4.2** U	**J Q B**	**0.77**	**19**	**pg/g**
PCB-12/13	ND	U	0.77	19	pg/g
PCB-14	ND	U	0.66	19	pg/g
PCB-15	ND	U	0.62	19	pg/g
PCB-16	ND	U	0.16	19	pg/g
PCB-17	**0.41** U	**J Q B**	**0.13**	**19**	**pg/g**
PCB-18/30	**1.1** U	**C J B**	**0.11**	**19**	**pg/g**
PCB-19	ND	U	0.20	19	pg/g
PCB-20/28	**10**	**C J B**	**0.15**	**19**	**pg/g**
PCB-21/33	**0.56** U	**C J B**	**0.15**	**19**	**pg/g**
PCB-22	**1.5** U	**J Q B**	**0.16**	**19**	**pg/g**
PCB-23	ND	U	0.15	19	pg/g
PCB-24	ND	U	0.098	19	pg/g
PCB-25	**0.34**	**J**	**0.15**	**19**	**pg/g**
PCB-26/29	**0.88**	**C J**	**0.15**	**19**	**pg/g**
PCB-27	ND	U	0.093	19	pg/g
PCB-31	**4.8** U	**J B**	**0.15**	**19**	**pg/g**
PCB-32	**0.35** U	**J B**	**0.087**	**19**	**pg/g**
PCB-34	ND	U	0.15	19	pg/g
PCB-35	ND	U	0.16	19	pg/g
PCB-36	ND	U	0.15	19	pg/g
PCB-37	**0.27** U	**J B**	**0.15**	**19**	**pg/g**
PCB-38	ND	U	0.16	19	pg/g
PCB-39	ND	U	0.14	19	pg/g
PCB-40/71	**0.90** U	**C J B**	**0.14**	**19**	**pg/g**
PCB-41	ND	U	0.17	19	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 013	**Work Order #....:**	MKC0H1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.82 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**0.64**	**J**	**0.15**	**19**	**pg/g**
PCB-43	ND	U	0.17	19	pg/g
PCB-45	ND	U	0.16	19	pg/g
PCB-46	ND	U	0.17	19	pg/g
PCB-44/47/65	**29**	**C B**	**0.13**	**19**	**pg/g**
PCB-48	**0.30** U	**J Q**	**0.14**	**19**	**pg/g**
PCB-49/69	**20**	**C B**	**0.11**	**19**	**pg/g**
PCB-50/53	ND	U	0.14	19	pg/g
PCB-51	ND	U	0.14	19	pg/g
PCB-52	**84**	**B**	**0.14**	**19**	**pg/g**
PCB-54	ND	U	0.16	19	pg/g
PCB-55	ND	U	0.25	19	pg/g
PCB-56	**1.7**	**J**	**0.26**	**19**	**pg/g**
PCB-57	ND	U	0.25	19	pg/g
PCB-58	**0.87** U	**J Q**	**0.24**	**19**	**pg/g**
PCB-59/62/75	**3.3**	**C J**	**0.10**	**19**	**pg/g**
PCB-60	**12**	**J**	**0.25**	**19**	**pg/g**
PCB-61/70/74/76	**100**	**C B**	**0.24**	**19**	**pg/g**
PCB-63	**3.0**	**J**	**0.23**	**19**	**pg/g**
PCB-64	**7.1**	**J B**	**0.097**	**19**	**pg/g**
PCB-66	**68**	**B**	**0.25**	**19**	**pg/g**
PCB-67	ND	U	0.23	19	pg/g
PCB-68	**1.1** U	**J Q**	**0.22**	**19**	**pg/g**
PCB-72	**1.0**	**J**	**0.24**	**19**	**pg/g**
PCB-73	ND	U	0.11	19	pg/g
PCB-77	**0.39** U	**J Q**	**0.23**	**1.9**	**pg/g**
PCB-78	ND	U	0.25	19	pg/g
PCB-79	ND	U	0.22	19	pg/g
PCB-80	ND	U	0.22	19	pg/g
PCB-81	ND	U	0.23	1.9	pg/g
PCB-82	**3.0**	**J**	**0.64**	**19**	**pg/g**
PCB-83	**68** J		**0.58**	**19**	**pg/g**
PCB-84	**5.2** U	**J Q**	**0.63**	**19**	**pg/g**
PCB-85/116/117	**150**	**C**	**0.43**	**19**	**pg/g**
PCB-86/87/97/108/119/125	**190**	**C**	**0.45**	**19**	**pg/g**
PCB-88/91	**3.7**	**C J**	**0.53**	**19**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 013	**Work Order #....:**	MKC0H1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.82 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	0.57	19	pg/g
PCB-90/101/113	**710**	**C B**	**0.46**	**19**	**pg/g**
PCB-92	**140**		**0.54**	**19**	**pg/g**
PCB-93/100	**3.2**	**C J**	**0.52**	**19**	**pg/g**
PCB-94	ND	U	0.57	19	pg/g
PCB-95	**30**		**0.53**	**19**	**pg/g**
PCB-96	ND	U	0.066	19	pg/g
PCB-98/102	ND	U	0.52	19	pg/g
PCB-99	**810** J		**0.53**	**19**	**pg/g**
PCB-103	**5.2**	**J**	**0.49**	**19**	**pg/g**
PCB-104	ND	U	0.066	19	pg/g
PCB-105	**160**		**0.40**	**1.9**	**pg/g**
PCB-106	ND	U	0.46	19	pg/g
PCB-109	**39**		**0.32**	**19**	**pg/g**
PCB-107/124	**9.6**	**C J**	**0.41**	**19**	**pg/g**
PCB-110/115	**170**	**C**	**0.40**	**19**	**pg/g**
PCB-111	**1.7** U	**J Q**	**0.38**	**19**	**pg/g**
PCB-112	ND	U	0.38	19	pg/g
PCB-114	**24**		**0.41**	**1.9**	**pg/g**
PCB-118	**570**		**0.39**	**1.9**	**pg/g**
PCB-120	**6.6**	**J**	**0.38**	**19**	**pg/g**
PCB-121	**0.94** U	**J Q**	**0.38**	**19**	**pg/g**
PCB-122	ND	U	0.44	19	pg/g
PCB-123	**9.4**		**0.41**	**1.9**	**pg/g**
PCB-126	**1.8**	**J**	**0.43**	**1.9**	**pg/g**
PCB-127	**2.0**	**J**	**0.39**	**19**	**pg/g**
PCB-128/166	**390**	**C**	**0.25**	**19**	**pg/g**
PCB-129/138/163	**4000** R	**C E B**	**0.25**	**19**	**pg/g**
PCB-130	**51**		**0.34**	**19**	**pg/g**
PCB-131	**2.1**	**J**	**0.32**	**19**	**pg/g**
PCB-132	**24**		**0.32**	**19**	**pg/g**
PCB-133	**97**		**0.32**	**19**	**pg/g**
PCB-134/143	**23**	**C**	**0.33**	**19**	**pg/g**
PCB-135/151	**710**	**C**	**0.29**	**19**	**pg/g**
PCB-136	**42**		**0.22**	**19**	**pg/g**
PCB-137	**67**		**0.22**	**19**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 013	**Work Order #....:**	MKC0H1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.82 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**37**	**C**	**0.28**	**19**	**pg/g**
PCB-141	**420**		**0.35**	**19**	**pg/g**
PCB-142	ND	U	0.35	19	pg/g
PCB-144	**47**		**0.29**	**19**	**pg/g**
PCB-145	ND	U	0.22	19	pg/g
PCB-146	**500**		**0.24**	**19**	**pg/g**
PCB-147/149	**110**	**C**	**0.28**	**19**	**pg/g**
PCB-148	**2.3**	**J**	**0.29**	**19**	**pg/g**
PCB-150	**0.24**	**J**	**0.20**	**19**	**pg/g**
PCB-152	ND	U	0.21	19	pg/g
PCB-153/168	**6100** R	**C E B**	**0.21**	**19**	**pg/g**
PCB-154	**77**		**0.26**	**19**	**pg/g**
PCB-155	**1.6**	**J**	**0.22**	**19**	**pg/g**
PCB-156/157	**290**	**C**	**0.67**	**3.8**	**pg/g**
PCB-158	**180**		**0.21**	**19**	**pg/g**
PCB-159	**2.6** U	**J Q**	**0.55**	**19**	**pg/g**
PCB-160	ND	U	0.33	19	pg/g
PCB-161	ND	U	0.26	19	pg/g
PCB-162	**14**	**J**	**0.56**	**19**	**pg/g**
PCB-164	**35**		**0.30**	**19**	**pg/g**
PCB-165	**9.2**	**J**	**0.24**	**19**	**pg/g**
PCB-167	**110**		**0.50**	**1.9**	**pg/g**
PCB-169	ND	U	0.61	1.9	pg/g
PCB-170	**2100** R	**E**	**0.74**	**19**	**pg/g**
PCB-171/173	**710**	**C**	**0.74**	**19**	**pg/g**
PCB-172	**410**		**0.73**	**19**	**pg/g**
PCB-174	**130**		**0.83**	**19**	**pg/g**
PCB-175	**51**		**0.15**	**19**	**pg/g**
PCB-176	**19**	**J**	**0.10**	**19**	**pg/g**
PCB-177	**100**		**0.74**	**19**	**pg/g**
PCB-178	**510**		**0.15**	**19**	**pg/g**
PCB-179	**250**		**0.11**	**19**	**pg/g**
PCB-180/193	**5000** R	**C E**	**0.59**	**19**	**pg/g**
PCB-181	**7.5**	**J**	**0.64**	**19**	**pg/g**
PCB-182	**8.7**	**J**	**0.13**	**19**	**pg/g**
PCB-183	**1300** J		**0.46**	**19**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 013	**Work Order #....:**	MKC0H1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.82 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	**1.8** U	**J Q**	**0.11**	**19**	**pg/g**
PCB-185	**110** J		**0.81**	**19**	**pg/g**
PCB-186	ND	U	0.11	19	pg/g
PCB-187	**2000** R	**E**	**0.14**	**19**	**pg/g**
PCB-188	**1.7**	**J**	**0.12**	**19**	**pg/g**
PCB-189	**61**		**0.31**	**1.9**	**pg/g**
PCB-190	**320**		**0.53**	**19**	**pg/g**
PCB-191	**70**		**0.52**	**19**	**pg/g**
PCB-192	ND	U	0.56	19	pg/g
PCB-194	**970**		**0.42**	**19**	**pg/g**
PCB-195	**570**		**0.48**	**19**	**pg/g**
PCB-196	**610**		**0.27**	**19**	**pg/g**
PCB-197	**51**		**0.15**	**19**	**pg/g**
PCB-198/199	**1300**	**C**	**0.29**	**19**	**pg/g**
PCB-200	**50**		**0.30**	**19**	**pg/g**
PCB-201	**150**		**0.20**	**19**	**pg/g**
PCB-202	**210**		**0.22**	**19**	**pg/g**
PCB-203	**890**		**0.28**	**19**	**pg/g**
PCB-204	ND	U	0.21	19	pg/g
PCB-205	**58**		**0.30**	**19**	**pg/g**
PCB-206	**460**		**0.47**	**19**	**pg/g**
PCB-207	**40**		**0.32**	**19**	**pg/g**
PCB-208	**120**		**0.32**	**19**	**pg/g**
PCB-209	**170**	**B**	**0.13**	**19**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 013	**Work Order #....:**	MKC0H2AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.6
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.82 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND R	U	0.85	190	pg/g
PCB-2	ND	U	0.93	190	pg/g
PCB-3	ND	U	0.88	190	pg/g
PCB-4	ND	U	7.6	190	pg/g
PCB-5	ND	U	7.8	190	pg/g
PCB-6	ND	U	8.1	190	pg/g
PCB-7	ND	U	7.7	190	pg/g
PCB-8	ND	U	8.0	190	pg/g
PCB-9	ND	U	8.8	190	pg/g
PCB-10	ND	U	5.6	190	pg/g
PCB-11	ND	U	7.8	190	pg/g
PCB-12/13	ND	U	7.9	190	pg/g
PCB-14	ND	U	6.7	190	pg/g
PCB-15	ND	U	7.7	190	pg/g
PCB-16	ND	U	1.5	190	pg/g
PCB-17	ND	U	1.2	190	pg/g
PCB-18/30	ND	U	0.99	190	pg/g
PCB-19	ND	U	1.2	190	pg/g
PCB-20/28	**8.9**	**C J B**	**0.90**	**190**	**pg/g**
PCB-21/33	ND	U	0.87	190	pg/g
PCB-22	ND	U	0.94	190	pg/g
PCB-23	ND	U	0.90	190	pg/g
PCB-24	ND	U	0.90	190	pg/g
PCB-25	ND	U	0.88	190	pg/g
PCB-26/29	ND	U	0.87	190	pg/g
PCB-27	ND	U	0.85	190	pg/g
PCB-31	**4.4**	**J Q B**	**0.86**	**190**	**pg/g**
PCB-32	ND	U	0.80	190	pg/g
PCB-34	ND	U	0.90	190	pg/g
PCB-35	ND	U	0.96	190	pg/g
PCB-36	ND	U	0.86	190	pg/g
PCB-37	ND	U	1.1	190	pg/g
PCB-38	ND	U	0.92	190	pg/g
PCB-39	ND	U	0.83	190	pg/g
PCB-40/71	ND	U	1.3	190	pg/g
PCB-41	ND	U	1.5	190	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 013	**Work Order #....:**	MKC0H2AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.6
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.82 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	ND R	U	1.4	190	pg/g
PCB-43	ND	U	1.5	190	pg/g
PCB-45	ND	U	1.5	190	pg/g
PCB-46	ND	U	1.6	190	pg/g
PCB-44/47/65	**29**	**C J B**	**1.2**	**190**	**pg/g**
PCB-48	ND	U	1.3	190	pg/g
PCB-49/69	**22**	**C J B**	**1.0**	**190**	**pg/g**
PCB-50/53	ND	U	1.3	190	pg/g
PCB-51	ND	U	1.2	190	pg/g
PCB-52	**81**	**J B**	**1.3**	**190**	**pg/g**
PCB-54	ND	U	0.93	190	pg/g
PCB-55	ND	U	1.8	190	pg/g
PCB-56	ND	U	1.8	190	pg/g
PCB-57	ND	U	1.7	190	pg/g
PCB-58	ND	U	1.7	190	pg/g
PCB-59/62/75	ND	U	0.92	190	pg/g
PCB-60	**10**	**J**	**1.8**	**190**	**pg/g**
PCB-61/70/74/76	**96**	**C J B**	**1.7**	**190**	**pg/g**
PCB-63	ND	U	1.6	190	pg/g
PCB-64	**6.1**	**J Q B**	**0.89**	**190**	**pg/g**
PCB-66	**63**	**J B**	**1.8**	**190**	**pg/g**
PCB-67	ND	U	1.6	190	pg/g
PCB-68	ND	U	1.5	190	pg/g
PCB-72	ND	U	1.7	190	pg/g
PCB-73	ND	U	0.98	190	pg/g
PCB-77	ND	U	1.7	19	pg/g
PCB-78	ND	U	1.8	190	pg/g
PCB-79	ND	U	1.5	190	pg/g
PCB-80	ND	U	1.5	190	pg/g
PCB-81	ND	U	1.7	19	pg/g
PCB-82	ND	U	4.2	190	pg/g
PCB-83	**120**	**J**	**3.8**	**190**	**pg/g**
PCB-84	**6.9**	**J**	**4.1**	**190**	**pg/g**
PCB-85/116/117	**140**	**C J**	**2.9**	**190**	**pg/g**
PCB-86/87/97/108/119/125	**200**	**C**	**3.0**	**190**	**pg/g**
PCB-88/91	**4.2**	**C J Q**	**3.5**	**190**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 013	**Work Order #....:**	MKC0H2AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.6
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.82 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND R	U	3.7	190	pg/g
PCB-90/101/113	**720**	**C B**	**3.0**	**190**	**pg/g**
PCB-92	**150**	**J**	**3.6**	**190**	**pg/g**
PCB-93/100	ND	U	3.4	190	pg/g
PCB-94	ND	U	3.8	190	pg/g
PCB-95	**31**	**J**	**3.5**	**190**	**pg/g**
PCB-96	ND	U	0.89	190	pg/g
PCB-98/102	ND	U	3.4	190	pg/g
PCB-99	**770**		**3.5**	**190**	**pg/g**
PCB-103	**6.1**	**J**	**3.2**	**190**	**pg/g**
PCB-104	ND	U	0.83	190	pg/g
PCB-105	**170**		**2.8**	**19**	**pg/g**
PCB-106	ND	U	3.0	190	pg/g
PCB-109	**38**	**J**	**2.1**	**190**	**pg/g**
PCB-107/124	**8.4**	**C J**	**2.7**	**190**	**pg/g**
PCB-110/115	**170**	**C J**	**2.6**	**190**	**pg/g**
PCB-111	ND	U	2.5	190	pg/g
PCB-112	ND	U	2.5	190	pg/g
PCB-114	**21**		**2.7**	**19**	**pg/g**
PCB-118	**550**		**2.5**	**19**	**pg/g**
PCB-120	**8.0**	**J**	**2.5**	**190**	**pg/g**
PCB-121	ND	U	2.5	190	pg/g
PCB-122	ND	U	2.9	190	pg/g
PCB-123	**10**	**J**	**2.8**	**19**	**pg/g**
PCB-126	ND	U	3.3	19	pg/g
PCB-127	ND	U	2.6	190	pg/g
PCB-128/166	**440**	**C**	**1.5**	**190**	**pg/g**
✓ **PCB-129/138/163**	**3800**	**C B**	**1.5**	**190**	**pg/g**
PCB-130	**49** R	**J**	**2.1**	**190**	**pg/g**
PCB-131	ND	U	1.9	190	pg/g
PCB-132	ND	U	1.9	190	pg/g
PCB-133	**95**	**J**	**1.9**	**190**	**pg/g**
PCB-134/143	**24**	**C J**	**2.0**	**190**	**pg/g**
PCB-135/151	**690**	**C**	**1.8**	**190**	**pg/g**
PCB-136	**42**	**J**	**1.3**	**190**	**pg/g**
PCB-137	**64**	**J**	**1.3**	**190**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 013	**Work Order #....:**	MKC0H2AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.6
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.82 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**37**	**C J**	**1.7**	**190**	**pg/g**
PCB-141	**390**		**2.1**	**190**	**pg/g**
PCB-142	ND	U	2.1	190	pg/g
PCB-144	**47**	**J**	**1.8**	**190**	**pg/g**
PCB-145	ND	U	1.3	190	pg/g
PCB-146	**470**		**1.4**	**190**	**pg/g**
PCB-147/149	**110**	**C J**	**1.7**	**190**	**pg/g**
PCB-148	ND	U	1.8	190	pg/g
PCB-150	ND	U	1.2	190	pg/g
PCB-152	ND	U	1.3	190	pg/g
PCB-153/168	**6000**	**C B**	**1.3**	**190**	**pg/g**
PCB-154	**74**	**J**	**1.6**	**190**	**pg/g**
PCB-155	ND	U	1.3	190	pg/g
PCB-156/157	**280**	**C**	**3.9**	**38**	**pg/g**
PCB-158	**180**	**J**	**1.3**	**190**	**pg/g**
PCB-159	ND	U	2.9	190	pg/g
PCB-160	ND	U	2.0	190	pg/g
PCB-161	ND	U	1.6	190	pg/g
PCB-162	**11**	**J**	**3.0**	**190**	**pg/g**
PCB-164	**34**	**J**	**1.8**	**190**	**pg/g**
PCB-165	ND	U	1.5	190	pg/g
PCB-167	**110**		**3.0**	**19**	**pg/g**
PCB-169	**4.7**	**J Q**	**2.8**	**19**	**pg/g**
PCB-170	**2000**		**4.6**	**190**	**pg/g**
PCB-171/173	**650**	**C**	**4.6**	**190**	**pg/g**
PCB-172	**390**		**4.5**	**190**	**pg/g**
PCB-174	**110**	**J**	**5.2**	**190**	**pg/g**
PCB-175	**49**	**J**	**1.6**	**190**	**pg/g**
PCB-176	**15**	**J**	**1.1**	**190**	**pg/g**
PCB-177	**100**	**J**	**4.6**	**190**	**pg/g**
PCB-178	**440**		**1.7**	**190**	**pg/g**
PCB-179	**230**		**1.2**	**190**	**pg/g**
PCB-180/193	**4900**	**C**	**3.6**	**190**	**pg/g**
PCB-181	ND	U	3.9	190	pg/g
PCB-182	**7.7**	**J Q**	**1.4**	**190**	**pg/g**
PCB-183	**1100**		**2.8**	**190**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB3_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 013	**Work Order #....:**	MKC0H2AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.6
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.82 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND R	U	1.2	190	pg/g
PCB-185	**170**	**J**	**5.0**	**190**	**pg/g**
PCB-186	ND	U	1.2	190	pg/g
✓ **PCB-187**	**2200**		**1.5**	**190**	**pg/g**
PCB-188	ND R	U	1.5	190	pg/g
PCB-189	**56**	**Q**	**2.3**	**19**	**pg/g**
PCB-190	**430**		**3.3**	**190**	**pg/g**
PCB-191	**72**	**J**	**3.2**	**190**	**pg/g**
PCB-192	ND	U	3.4	190	pg/g
PCB-194	**1200**		**3.0**	**190**	**pg/g**
PCB-195	**440**		**3.4**	**190**	**pg/g**
PCB-196	**460**		**2.7**	**190**	**pg/g**
PCB-197	**30**	**J Q**	**1.5**	**190**	**pg/g**
PCB-198/199	**930**	**C**	**2.9**	**190**	**pg/g**
PCB-200	**39**	**J**	**2.9**	**190**	**pg/g**
PCB-201	**100**	**J**	**2.0**	**190**	**pg/g**
PCB-202	**200**		**2.6**	**190**	**pg/g**
PCB-203	**650**		**2.8**	**190**	**pg/g**
PCB-204	ND	U	2.1	190	pg/g
PCB-205	**53**	**J**	**1.7**	**190**	**pg/g**
PCB-206	**440**		**2.5**	**190**	**pg/g**
PCB-207	**39**	**J**	**2.3**	**190**	**pg/g**
PCB-208	**120**	**J**	**2.9**	**190**	**pg/g**
PCB-209	**160**	**J B**	**1.5**	**190**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 014	**Work Order #....:**	MKC0J1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.89
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.21 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND	U	0.93	200	pg/g
PCB-2	ND	U	1.0	200	pg/g
PCB-3	ND	U	0.95	200	pg/g
PCB-4	ND	U	8.9	200	pg/g
PCB-5	ND	U	8.2	200	pg/g
PCB-6	ND	U	8.5	200	pg/g
PCB-7	ND	U	8.1	200	pg/g
PCB-8	ND	U	8.4	200	pg/g
PCB-9	ND	U	9.2	200	pg/g
PCB-10	ND	U	6.8	200	pg/g
PCB-11	ND	U	8.2	200	pg/g
PCB-12/13	ND	U	8.2	200	pg/g
PCB-14	ND	U	7.0	200	pg/g
PCB-15	ND	U	8.3	200	pg/g
PCB-16	ND	U	2.0	200	pg/g
PCB-17	ND	U	1.6	200	pg/g
PCB-18/30	ND	U	1.4	200	pg/g
PCB-19	ND	U	1.9	200	pg/g
PCB-20/28	**10**	**C J B**	**1.8**	**200**	**pg/g**
PCB-21/33	ND	U	1.7	200	pg/g
PCB-22	ND	U	1.8	200	pg/g
PCB-23	ND	U	1.8	200	pg/g
PCB-24	ND	U	1.2	200	pg/g
PCB-25	ND	U	1.7	200	pg/g
PCB-26/29	ND	U	1.7	200	pg/g
PCB-27	ND	U	1.2	200	pg/g
PCB-31	**6.3** U	**J B**	**1.7**	**200**	**pg/g**
PCB-32	ND	U	1.1	200	pg/g
PCB-34	ND	U	1.8	200	pg/g
PCB-35	ND	U	1.9	200	pg/g
PCB-36	ND	U	1.7	200	pg/g
PCB-37	ND	U	2.0	200	pg/g
PCB-38	ND	U	1.8	200	pg/g
PCB-39	ND	U	1.6	200	pg/g
PCB-40/71	ND	U	2.4	200	pg/g
PCB-41	ND	U	2.9	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 014	**Work Order #....:**	MKC0J1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.89
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.21 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	ND		U	2.6	200	pg/g
PCB-43	ND		U	2.9	200	pg/g
PCB-45	ND		U	2.8	200	pg/g
PCB-46	ND		U	3.0	200	pg/g
PCB-44/47/65	**11**	U	**C J Q B**	**2.3**	**200**	**pg/g**
PCB-48	ND		U	2.5	200	pg/g
PCB-49/69	**13**		**C J B**	**2.0**	**200**	**pg/g**
PCB-50/53	ND		U	2.4	200	pg/g
PCB-51	ND		U	2.4	200	pg/g
PCB-52	**33**		**J B**	**2.5**	**200**	**pg/g**
PCB-54	ND		U	1.8	200	pg/g
PCB-55	ND		U	1.9	200	pg/g
PCB-56	ND		U	2.0	200	pg/g
PCB-57	ND		U	1.9	200	pg/g
PCB-58	ND		U	1.8	200	pg/g
PCB-59/62/75	ND		U	1.8	200	pg/g
PCB-60	**4.7**	U	**J Q**	**1.9**	**200**	**pg/g**
PCB-61/70/74/76	**53**		**C J B**	**1.8**	**200**	**pg/g**
PCB-63	ND		U	1.7	200	pg/g
PCB-64	**5.9**		**J B**	**1.7**	**200**	**pg/g**
PCB-66	**23**		**J B**	**1.9**	**200**	**pg/g**
PCB-67	ND		U	1.8	200	pg/g
PCB-68	ND		U	1.7	200	pg/g
PCB-72	ND		U	1.8	200	pg/g
PCB-73	ND		U	1.9	200	pg/g
PCB-77	ND		U	1.9	20	pg/g
PCB-78	ND		U	1.9	200	pg/g
PCB-79	ND		U	1.7	200	pg/g
PCB-80	ND		U	1.6	200	pg/g
PCB-81	ND		U	1.9	20	pg/g
PCB-82	ND		U	4.0	200	pg/g
PCB-83	**23**	J	**J**	**3.6**	**200**	**pg/g**
PCB-84	ND		U	3.9	200	pg/g
PCB-85/116/117	**34**		**C J**	**2.7**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**51**		**C J**	**2.8**	**200**	**pg/g**
PCB-88/91	ND		U	3.3	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 014	**Work Order #....:**	MKC0J1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.89
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.21 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	3.5	200	pg/g
PCB-90/101/113	**150**	**C J B**	**2.9**	**200**	**pg/g**
PCB-92	**29**	**J**	**3.4**	**200**	**pg/g**
PCB-93/100	ND	U	3.2	200	pg/g
PCB-94	ND	U	3.6	200	pg/g
PCB-95	**12** U	**J Q**	**3.3**	**200**	**pg/g**
PCB-96	ND	U	2.1	200	pg/g
PCB-98/102	ND	U	3.2	200	pg/g
PCB-99	**130** J	**J**	**3.3**	**200**	**pg/g**
PCB-103	ND	U	3.0	200	pg/g
PCB-104	ND	U	1.9	200	pg/g
PCB-105	**56**		**2.5**	**20**	**pg/g**
PCB-106	ND	U	2.9	200	pg/g
PCB-109	**7.7** U	**J Q**	**2.0**	**200**	**pg/g**
PCB-107/124	**4.9** U	**C J Q**	**2.5**	**200**	**pg/g**
PCB-110/115	**73**	**C J**	**2.5**	**200**	**pg/g**
PCB-111	ND	U	2.4	200	pg/g
PCB-112	ND	U	2.4	200	pg/g
PCB-114	ND	U	2.7	20	pg/g
PCB-118	**180**		**2.4**	**20**	**pg/g**
PCB-120	ND	U	2.4	200	pg/g
PCB-121	ND	U	2.4	200	pg/g
PCB-122	ND	U	2.8	200	pg/g
PCB-123	ND	U	2.6	20	pg/g
PCB-126	ND	U	2.8	20	pg/g
PCB-127	ND	U	2.4	200	pg/g
PCB-128/166	**40** U	**C J Q**	**2.1**	**200**	**pg/g**
PCB-129/138/163	**440**	**C B**	**2.0**	**200**	**pg/g**
PCB-130	**12**	**J**	**2.8**	**200**	**pg/g**
PCB-131	ND	U	2.6	200	pg/g
PCB-132	**14** U	**J Q**	**2.6**	**200**	**pg/g**
PCB-133	**13** U	**J Q**	**2.6**	**200**	**pg/g**
PCB-134/143	ND	U	2.7	200	pg/g
PCB-135/151	**79**	**C J**	**2.4**	**200**	**pg/g**
PCB-136	**10** U	**J Q**	**1.8**	**200**	**pg/g**
PCB-137	**3.8** U	**J Q**	**1.8**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 014	**Work Order #....:**	MKC0J1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.89
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.21 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**4.8**	U	**C J Q**	**2.3**	**200**	**pg/g**
PCB-141	**34**		**J**	**2.9**	**200**	**pg/g**
PCB-142	ND		U	2.9	200	pg/g
PCB-144	**8.5**		**J**	**2.4**	**200**	**pg/g**
PCB-145	ND		U	1.8	200	pg/g
PCB-146	**71**		**J**	**1.9**	**200**	**pg/g**
PCB-147/149	**45**		**C J**	**2.3**	**200**	**pg/g**
PCB-148	ND		U	2.4	200	pg/g
PCB-150	ND		U	1.7	200	pg/g
PCB-152	ND		U	1.7	200	pg/g
PCB-153/168	**630**		**C B**	**1.8**	**200**	**pg/g**
PCB-154	**9.6**	U	**J Q**	**2.1**	**200**	**pg/g**
PCB-155	ND		U	1.8	200	pg/g
PCB-156/157	**31**		**C J**	**3.0**	**40**	**pg/g**
PCB-158	**32**		**J**	**1.7**	**200**	**pg/g**
PCB-159	ND		U	2.2	200	pg/g
PCB-160	ND		U	2.7	200	pg/g
PCB-161	ND		U	2.1	200	pg/g
PCB-162	ND		U	2.3	200	pg/g
PCB-164	ND		U	2.5	200	pg/g
PCB-165	ND		U	2.0	200	pg/g
PCB-167	**11**	U	**J Q**	**1.9**	**20**	**pg/g**
PCB-169	ND		U	2.3	20	pg/g
PCB-170	**110**		**J**	**3.6**	**200**	**pg/g**
PCB-171/173	**64**		**C J**	**3.6**	**200**	**pg/g**
PCB-172	**21**		**J**	**3.5**	**200**	**pg/g**
PCB-174	**38**		**J**	**4.0**	**200**	**pg/g**
PCB-175	**4.6**		**J**	**2.1**	**200**	**pg/g**
PCB-176	**7.6**		**J**	**1.5**	**200**	**pg/g**
PCB-177	**40**		**J**	**3.6**	**200**	**pg/g**
PCB-178	**47**	U	**J Q**	**2.3**	**200**	**pg/g**
PCB-179	**36**		**J**	**1.7**	**200**	**pg/g**
PCB-180/193	**290**		**C**	**2.8**	**200**	**pg/g**
PCB-181	ND		U	3.1	200	pg/g
PCB-182	ND		U	1.9	200	pg/g
PCB-183	**110**	J	**J**	**2.2**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB4_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 014	**Work Order #....:**	MKC0J1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.89
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.21 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U	1.7	200	pg/g
PCB-185	**5.7** J	**J**	**3.9**	**200**	**pg/g**
PCB-186	ND	U	1.6	200	pg/g
PCB-187	**260**		**2.0**	**200**	**pg/g**
PCB-188	ND	U	1.9	200	pg/g
PCB-189	**3.1** U	**J Q**	**2.1**	**20**	**pg/g**
PCB-190	**28** U	**J Q**	**2.5**	**200**	**pg/g**
PCB-191	ND	U	2.5	200	pg/g
PCB-192	ND	U	2.7	200	pg/g
PCB-194	**83**	**J**	**2.3**	**200**	**pg/g**
PCB-195	**34** U	**J Q**	**2.6**	**200**	**pg/g**
PCB-196	**39**	**J**	**2.6**	**200**	**pg/g**
PCB-197	**5.8**	**J**	**1.5**	**200**	**pg/g**
PCB-198/199	**120**	**C J**	**2.8**	**200**	**pg/g**
PCB-200	**6.7** U	**J Q**	**2.8**	**200**	**pg/g**
PCB-201	**15**	**J**	**1.9**	**200**	**pg/g**
PCB-202	**32**	**J**	**2.7**	**200**	**pg/g**
PCB-203	**63**	**J**	**2.6**	**200**	**pg/g**
PCB-204	ND	U	2.0	200	pg/g
PCB-205	**3.9** U	**J Q**	**1.2**	**200**	**pg/g**
PCB-206	**71**	**J**	**3.0**	**200**	**pg/g**
PCB-207	**8.9**	**J**	**2.5**	**200**	**pg/g**
PCB-208	**23**	**J**	**2.8**	**200**	**pg/g**
PCB-209	**31**	**J B**	**1.3**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 015	**Work Order #....:**	MKC0K1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.09 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND		U	0.24	20	pg/g
PCB-2	ND		U	0.18	20	pg/g
PCB-3	ND		U	0.12	20	pg/g
PCB-4	ND		U	1.2	20	pg/g
PCB-5	ND		U	0.79	20	pg/g
PCB-6	ND		U	0.82	20	pg/g
PCB-7	ND		U	0.78	20	pg/g
PCB-8	ND		U	0.81	20	pg/g
PCB-9	ND		U	0.89	20	pg/g
PCB-10	ND		U	0.64	20	pg/g
PCB-11	**5.4**	U	**J Q B**	**0.79**	**20**	**pg/g**
PCB-12/13	ND		U	0.79	20	pg/g
PCB-14	ND		U	0.68	20	pg/g
PCB-15	ND		U	0.63	20	pg/g
PCB-16	ND		U	0.25	20	pg/g
PCB-17	**0.42**	U	**J Q B**	**0.19**	**20**	**pg/g**
PCB-18/30	**1.2**	U	**C J B**	**0.16**	**20**	**pg/g**
PCB-19	**0.65**	U	**J B**	**0.29**	**20**	**pg/g**
PCB-20/28	**12**		**C J B**	**0.20**	**20**	**pg/g**
PCB-21/33	**0.75**	U	**C J B**	**0.20**	**20**	**pg/g**
PCB-22	**2.4**	U	**J Q B**	**0.21**	**20**	**pg/g**
PCB-23	ND		U	0.20	20	pg/g
PCB-24	ND		U	0.15	20	pg/g
PCB-25	**0.32**	U	**J Q**	**0.20**	**20**	**pg/g**
PCB-26/29	**0.88**	U	**C J Q**	**0.20**	**20**	**pg/g**
PCB-27	ND		U	0.14	20	pg/g
PCB-31	**6.6**	U	**J B**	**0.19**	**20**	**pg/g**
PCB-32	**0.39**	U	**J B**	**0.13**	**20**	**pg/g**
PCB-34	ND		U	0.20	20	pg/g
PCB-35	ND		U	0.22	20	pg/g
PCB-36	ND		U	0.19	20	pg/g
PCB-37	**0.31**	U	**J Q B**	**0.20**	**20**	**pg/g**
PCB-38	ND		U	0.21	20	pg/g
PCB-39	ND		U	0.19	20	pg/g
PCB-40/71	**1.0**	U	**C J B**	**0.21**	**20**	**pg/g**
PCB-41	ND		U	0.26	20	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 015	**Work Order #....:**	MKC0K1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.09 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**0.86**	**J**	**0.23**	**20**	**pg/g**
PCB-43	ND	U	0.26	20	pg/g
PCB-45	**0.51**	**J**	**0.25**	**20**	**pg/g**
PCB-46	ND	U	0.26	20	pg/g
PCB-44/47/65	**16**	**C J B**	**0.20**	**20**	**pg/g**
PCB-48	**0.56**	**J**	**0.22**	**20**	**pg/g**
PCB-49/69	**15**	**C J B**	**0.18**	**20**	**pg/g**
PCB-50/53	**0.40** U	**C J Q**	**0.21**	**20**	**pg/g**
PCB-51	ND	U	0.21	20	pg/g
PCB-52	**41**	**B**	**0.22**	**20**	**pg/g**
PCB-54	ND	U	0.25	20	pg/g
PCB-55	ND	U	0.29	20	pg/g
PCB-56	**2.2**	**J**	**0.30**	**20**	**pg/g**
PCB-57	**0.44**	**J**	**0.29**	**20**	**pg/g**
PCB-58	ND	U	0.28	20	pg/g
PCB-59/62/75	**2.4**	**C J**	**0.16**	**20**	**pg/g**
PCB-60	**9.5**	**J**	**0.29**	**20**	**pg/g**
PCB-61/70/74/76	**77**	**C B**	**0.28**	**20**	**pg/g**
PCB-63	**2.4**	**J**	**0.26**	**20**	**pg/g**
PCB-64	**6.6**	**J B**	**0.15**	**20**	**pg/g**
PCB-66	**34**	**B**	**0.29**	**20**	**pg/g**
PCB-67	**0.31** U	**J Q**	**0.27**	**20**	**pg/g**
PCB-68	**0.79**	**J Q**	**0.25**	**20**	**pg/g**
PCB-72	**0.73**	**J Q**	**0.27**	**20**	**pg/g**
PCB-73	ND	U	0.17	20	pg/g
PCB-77	**0.65** U	**J Q**	**0.27**	**2.0**	**pg/g**
PCB-78	ND	U	0.30	20	pg/g
PCB-79	ND	U	0.25	20	pg/g
PCB-80	ND	U	0.25	20	pg/g
PCB-81	ND	U	0.27	2.0	pg/g
PCB-82	**1.8** U	**J Q**	**0.51**	**20**	**pg/g**
PCB-83	**31** J		**0.47**	**20**	**pg/g**
PCB-84	**3.0** U	**J Q**	**0.50**	**20**	**pg/g**
PCB-85/116/117	**48**	**C**	**0.35**	**20**	**pg/g**
PCB-86/87/97/108/119/125	**67**	**C**	**0.36**	**20**	**pg/g**
PCB-88/91	**2.8** U	**C J Q**	**0.42**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 015	**Work Order #....:**	MKC0K1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.09 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	0.45	20	pg/g
PCB-90/101/113	**220**	**C B**	**0.37**	**20**	**pg/g**
PCB-92	**45**		**0.43**	**20**	**pg/g**
PCB-93/100	**1.2**	**C J**	**0.41**	**20**	**pg/g**
PCB-94	ND	U	0.46	20	pg/g
PCB-95	**12**	**J**	**0.43**	**20**	**pg/g**
PCB-96	ND	U	0.16	20	pg/g
PCB-98/102	**0.42** U	**C J Q**	**0.42**	**20**	**pg/g**
PCB-99	**210** J		**0.43**	**20**	**pg/g**
PCB-103	**2.3**	**J**	**0.39**	**20**	**pg/g**
PCB-104	ND	U	0.16	20	pg/g
PCB-105	**82**		**0.32**	**2.0**	**pg/g**
PCB-106	ND	U	0.37	20	pg/g
PCB-109	**19**	**J**	**0.25**	**20**	**pg/g**
PCB-107/124	**5.3**	**C J**	**0.33**	**20**	**pg/g**
PCB-110/115	**100**	**C**	**0.32**	**20**	**pg/g**
PCB-111	**0.90**	**J**	**0.30**	**20**	**pg/g**
PCB-112	ND	U	0.31	20	pg/g
PCB-114	**6.0**		**0.32**	**2.0**	**pg/g**
PCB-118	**280**		**0.31**	**2.0**	**pg/g**
PCB-120	**3.1**	**J**	**0.30**	**20**	**pg/g**
PCB-121	**0.42** U	**J Q**	**0.30**	**20**	**pg/g**
PCB-122	ND	U	0.35	20	pg/g
PCB-123	**2.8**		**0.33**	**2.0**	**pg/g**
PCB-126	**0.51** U	**J Q**	**0.33**	**2.0**	**pg/g**
PCB-127	ND	U	0.31	20	pg/g
PCB-128/166	**96**	**C**	**0.19**	**20**	**pg/g**
PCB-129/138/163	**920**	**C B**	**0.19**	**20**	**pg/g**
PCB-130	**21**		**0.26**	**20**	**pg/g**
PCB-131	**1.2**	**J**	**0.24**	**20**	**pg/g**
PCB-132	**16**	**J**	**0.24**	**20**	**pg/g**
PCB-133	**24**		**0.24**	**20**	**pg/g**
PCB-134/143	**10**	**C J**	**0.25**	**20**	**pg/g**
PCB-135/151	**150**	**C**	**0.22**	**20**	**pg/g**
PCB-136	**18**	**J**	**0.17**	**20**	**pg/g**
PCB-137	**12**	**J**	**0.16**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 015	**Work Order #....:**	MKC0K1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.09 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**11**	**C J**	**0.21**	**20**	**pg/g**
PCB-141	**55**		**0.27**	**20**	**pg/g**
PCB-142	ND	U	0.27	20	pg/g
PCB-144	**14**	**J**	**0.22**	**20**	**pg/g**
PCB-145	ND	U	0.16	20	pg/g
PCB-146	**150**		**0.18**	**20**	**pg/g**
PCB-147/149	**75**	**C**	**0.21**	**20**	**pg/g**
PCB-148	**1.4** K	**J Q**	**0.22**	**20**	**pg/g**
PCB-150	ND	U	0.15	20	pg/g
PCB-152	ND	U	0.16	20	pg/g
PCB-153/168	**1400**	**C B**	**0.16**	**20**	**pg/g**
PCB-154	**20**		**0.20**	**20**	**pg/g**
PCB-155	**0.80**	**J**	**0.16**	**20**	**pg/g**
PCB-156/157	**47**	**C**	**0.43**	**4.0**	**pg/g**
PCB-158	**57**		**0.16**	**20**	**pg/g**
PCB-159	**1.7**	**J**	**0.35**	**20**	**pg/g**
PCB-160	ND	U	0.25	20	pg/g
PCB-161	ND	U	0.20	20	pg/g
PCB-162	**3.9**	**J**	**0.35**	**20**	**pg/g**
PCB-164	**17**	**J**	**0.23**	**20**	**pg/g**
PCB-165	**4.5**	**J**	**0.18**	**20**	**pg/g**
PCB-167	**28**		**0.32**	**2.0**	**pg/g**
PCB-169	ND	U	0.39	2.0	pg/g
PCB-170	**240**		**0.47**	**20**	**pg/g**
PCB-171/173	**140**	**C**	**0.47**	**20**	**pg/g**
PCB-172	**45**		**0.46**	**20**	**pg/g**
PCB-174	**69**		**0.53**	**20**	**pg/g**
PCB-175	**14**	**J**	**0.23**	**20**	**pg/g**
PCB-176	**10**	**J**	**0.16**	**20**	**pg/g**
PCB-177	**82**		**0.47**	**20**	**pg/g**
PCB-178	**120**		**0.24**	**20**	**pg/g**
PCB-179	**82**		**0.18**	**20**	**pg/g**
PCB-180/193	**620**	**C**	**0.37**	**20**	**pg/g**
PCB-181	ND	U	0.41	20	pg/g
PCB-182	**1.8**	**J**	**0.21**	**20**	**pg/g**
PCB-183	**260** J		**0.29**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 015	**Work Order #....:**	MKC0K1AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	06/29/11	**Analysis Date....:**	07/07/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.09 g	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	**0.75** U	**J Q**	**0.18**	**20**	**pg/g**
PCB-185	**19** J	**J**	**0.51**	**20**	**pg/g**
PCB-186	ND	U	0.17	20	pg/g
PCB-187	**550**		**0.22**	**20**	**pg/g**
PCB-188	**0.57** U	**J Q**	**0.19**	**20**	**pg/g**
PCB-189	**6.4**		**0.25**	**2.0**	**pg/g**
PCB-190	**44**		**0.34**	**20**	**pg/g**
PCB-191	**10**	**J**	**0.33**	**20**	**pg/g**
PCB-192	ND	U	0.36	20	pg/g
PCB-194	**110**		**0.38**	**20**	**pg/g**
PCB-195	**84**		**0.43**	**20**	**pg/g**
PCB-196	**97**		**0.33**	**20**	**pg/g**
PCB-197	**11**	**J**	**0.19**	**20**	**pg/g**
PCB-198/199	**240**	**C**	**0.35**	**20**	**pg/g**
PCB-200	**14**	**J**	**0.36**	**20**	**pg/g**
PCB-201	**39**		**0.24**	**20**	**pg/g**
PCB-202	**61**		**0.26**	**20**	**pg/g**
PCB-203	**130**		**0.34**	**20**	**pg/g**
PCB-204	ND	U	0.25	20	pg/g
PCB-205	**8.8**	**J**	**0.27**	**20**	**pg/g**
PCB-206	**120**		**0.76**	**20**	**pg/g**
PCB-207	**11**	**J**	**0.50**	**20**	**pg/g**
PCB-208	**43**		**0.49**	**20**	**pg/g**
PCB-209	**47**	**B**	**0.22**	**20**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 015	**Work Order #....:**	MKC0K2AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.95
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.09 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND R	U	1.1	200	pg/g
PCB-2	ND	U	1.2	200	pg/g
PCB-3	ND	U	1.1	200	pg/g
PCB-4	ND	U	9.2	200	pg/g
PCB-5	ND	U	8.6	200	pg/g
PCB-6	ND	U	8.9	200	pg/g
PCB-7	ND	U	8.5	200	pg/g
PCB-8	ND	U	8.8	200	pg/g
PCB-9	ND	U	9.7	200	pg/g
PCB-10	ND	U	6.9	200	pg/g
PCB-11	ND	U	8.6	200	pg/g
PCB-12/13	ND	U	8.6	200	pg/g
PCB-14	ND	U	7.4	200	pg/g
PCB-15	ND	U	8.4	200	pg/g
PCB-16	ND	U	2.1	200	pg/g
PCB-17	ND	U	1.7	200	pg/g
PCB-18/30	ND	U	1.4	200	pg/g
PCB-19	ND	U	1.7	200	pg/g
PCB-20/28	**12**	**C J Q B**	**1.5**	**200**	**pg/g**
PCB-21/33	ND	U	1.4	200	pg/g
PCB-22	**2.7**	**J B**	**1.5**	**200**	**pg/g**
PCB-23	ND	U	1.5	200	pg/g
PCB-24	ND	U	1.3	200	pg/g
PCB-25	ND	U	1.4	200	pg/g
PCB-26/29	ND	U	1.4	200	pg/g
PCB-27	ND	U	1.2	200	pg/g
PCB-31	**5.6**	**J Q B**	**1.4**	**200**	**pg/g**
PCB-32	ND	U	1.1	200	pg/g
PCB-34	ND	U	1.5	200	pg/g
PCB-35	ND	U	1.6	200	pg/g
PCB-36	ND	U	1.4	200	pg/g
PCB-37	ND	U	1.7	200	pg/g
PCB-38	ND	U	1.5	200	pg/g
PCB-39	ND	U	1.3	200	pg/g
PCB-40/71	ND	U	2.0	200	pg/g
PCB-41	ND	U	2.4	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 015	**Work Order #....:**	MKC0K2AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.95
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.09 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	ND R	U	2.2	200	pg/g
PCB-43	ND	U	2.4	200	pg/g
PCB-45	ND	U	2.4	200	pg/g
PCB-46	ND	U	2.5	200	pg/g
PCB-44/47/65	**17**	**C J B**	**1.9**	**200**	**pg/g**
PCB-48	ND	U	2.1	200	pg/g
PCB-49/69	**17**	**C J B**	**1.7**	**200**	**pg/g**
PCB-50/53	ND	U	2.0	200	pg/g
PCB-51	ND	U	2.0	200	pg/g
PCB-52	**44**	**J B**	**2.1**	**200**	**pg/g**
PCB-54	ND	U	1.6	200	pg/g
PCB-55	ND	U	2.5	200	pg/g
PCB-56	ND	U	2.6	200	pg/g
PCB-57	ND	U	2.5	200	pg/g
PCB-58	ND	U	2.4	200	pg/g
PCB-59/62/75	ND	U	1.5	200	pg/g
PCB-60	**9.0**	**J Q**	**2.5**	**200**	**pg/g**
PCB-61/70/74/76	**78**	**C J B**	**2.4**	**200**	**pg/g**
PCB-63	ND	U	2.2	200	pg/g
PCB-64	**6.5**	**J Q B**	**1.4**	**200**	**pg/g**
PCB-66	**30**	**J Q B**	**2.5**	**200**	**pg/g**
PCB-67	ND	U	2.3	200	pg/g
PCB-68	ND	U	2.2	200	pg/g
PCB-72	ND	U	2.4	200	pg/g
PCB-73	ND	U	1.6	200	pg/g
PCB-77	ND	U	2.6	20	pg/g
PCB-78	ND	U	2.5	200	pg/g
PCB-79	ND	U	2.2	200	pg/g
PCB-80	ND	U	2.1	200	pg/g
PCB-81	ND	U	2.4	20	pg/g
PCB-82	ND	U	4.0	200	pg/g
PCB-83	**37**	**J**	**3.7**	**200**	**pg/g**
PCB-84	ND	U	3.9	200	pg/g
PCB-85/116/117	**46**	**C J**	**2.7**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**68**	**C J**	**2.8**	**200**	**pg/g**
PCB-88/91	ND	U	3.3	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 015	**Work Order #....:**	MKC0K2AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.95
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.09 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U R	3.6	200	pg/g
PCB-90/101/113	**220**	**C B**	**2.9**	**200**	**pg/g**
PCB-92	**48**	**J**	**3.4**	**200**	**pg/g**
PCB-93/100	ND	U	3.3	200	pg/g
PCB-94	ND	U	3.6	200	pg/g
PCB-95	**17**	**J Q**	**3.4**	**200**	**pg/g**
PCB-96	ND	U	1.4	200	pg/g
PCB-98/102	ND	U	3.3	200	pg/g
PCB-99	**190**	**J**	**3.3**	**200**	**pg/g**
PCB-103	ND	U	3.1	200	pg/g
PCB-104	ND	U	1.3	200	pg/g
PCB-105	**88**		**2.6**	**20**	**pg/g**
PCB-106	ND	U	2.9	200	pg/g
PCB-109	**17**	**J**	**2.0**	**200**	**pg/g**
PCB-107/124	ND	U	2.6	200	pg/g
PCB-110/115	**110**	**C J**	**2.5**	**200**	**pg/g**
PCB-111	ND	U	2.4	200	pg/g
PCB-112	ND	U	2.4	200	pg/g
PCB-114	**4.9**	**J Q**	**2.7**	**20**	**pg/g**
PCB-118	**280**		**2.5**	**20**	**pg/g**
PCB-120	ND	U	2.4	200	pg/g
PCB-121	ND	U	2.4	200	pg/g
PCB-122	ND	U	2.8	200	pg/g
PCB-123	ND	U	2.5	20	pg/g
PCB-126	ND	U	3.0	20	pg/g
PCB-127	ND	U	2.4	200	pg/g
PCB-128/166	**78**	**C J Q**	**2.9**	**200**	**pg/g**
PCB-129/138/163	**850**	**C B**	**2.8**	**200**	**pg/g**
PCB-130	**16**	**J**	**4.0**	**200**	**pg/g**
PCB-131	ND	U	3.7	200	pg/g
PCB-132	**13**	**J Q**	**3.7**	**200**	**pg/g**
PCB-133	**26**	**J**	**3.6**	**200**	**pg/g**
PCB-134/143	**4.2**	**C J Q**	**3.8**	**200**	**pg/g**
PCB-135/151	**140**	**C J**	**3.4**	**200**	**pg/g**
PCB-136	**21**	**J**	**2.6**	**200**	**pg/g**
PCB-137	**7.4**	**J Q**	**2.5**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 015	**Work Order #....:**	MKC0K2AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.95
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.09 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**11**	**C J**	**3.2**	**200**	**pg/g**
PCB-141	**56**	**J**	**4.0**	**200**	**pg/g**
PCB-142	ND	U	4.1	200	pg/g
PCB-144	**13**	**J Q**	**3.3**	**200**	**pg/g**
PCB-145	ND	U	2.5	200	pg/g
PCB-146	**140**	**J**	**2.7**	**200**	**pg/g**
PCB-147/149	**74**	**C J**	**3.2**	**200**	**pg/g**
PCB-148	ND	U	3.4	200	pg/g
PCB-150	ND	U	2.3	200	pg/g
PCB-152	ND	U	2.4	200	pg/g
PCB-153/168	**1300**	**C B**	**2.5**	**200**	**pg/g**
PCB-154	**19**	**J**	**3.0**	**200**	**pg/g**
PCB-155	ND	U	2.4	200	pg/g
PCB-156/157	**43**	**C**	**2.7**	**40**	**pg/g**
PCB-158	**48**	**J**	**2.4**	**200**	**pg/g**
PCB-159	ND	U	2.0	200	pg/g
PCB-160	ND	U	3.8	200	pg/g
PCB-161	ND	U	3.0	200	pg/g
PCB-162	ND	U	2.0	200	pg/g
PCB-164	**8.8**	**J Q**	**3.5**	**200**	**pg/g**
PCB-165	ND	U	2.8	200	pg/g
PCB-167	**28**		**1.8**	**20**	**pg/g**
PCB-169	ND	U	2.0	20	pg/g
PCB-170	**230**		**4.1**	**200**	**pg/g**
PCB-171/173	**4.9**	**C J Q**	**4.1**	**200**	**pg/g**
PCB-172	**46**	**J**	**4.0**	**200**	**pg/g**
PCB-174	**62**	**J**	**4.6**	**200**	**pg/g**
PCB-175	**11**	**J Q**	**2.7**	**200**	**pg/g**
PCB-176	**7.0**	**J Q**	**1.9**	**200**	**pg/g**
PCB-177	**80**	**J**	**4.1**	**200**	**pg/g**
PCB-178	**110**	**J**	**2.9**	**200**	**pg/g**
PCB-179	**82**	**J**	**2.1**	**200**	**pg/g**
PCB-180/193	**600**	**C**	**3.2**	**200**	**pg/g**
PCB-181	ND	U	3.5	200	pg/g
PCB-182	ND	U	2.5	200	pg/g
PCB-183	**220**		**2.5**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB5_061411

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 015	**Work Order #....:**	MKC0K2AA	**Matrix....:**	TA
Date Sampled....:	06/14/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.95
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.09 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U R	2.1	200	pg/g
PCB-185	**27**	**J**	**4.5**	**200**	**pg/g**
PCB-186	ND	U	2.0	200	pg/g
PCB-187	**520**		**2.6**	**200**	**pg/g**
PCB-188	ND	U	2.5	200	pg/g
PCB-189	**7.8**	**J**	**2.2**	**20**	**pg/g**
PCB-190	**54**	**J Q**	**2.9**	**200**	**pg/g**
PCB-191	**11**	**J Q**	**2.9**	**200**	**pg/g**
PCB-192	ND	U	3.1	200	pg/g
PCB-194	**140**	**J**	**2.9**	**200**	**pg/g**
PCB-195	**75**	**J**	**3.3**	**200**	**pg/g**
PCB-196	**81**	**J**	**2.2**	**200**	**pg/g**
PCB-197	**7.5**	**J Q**	**1.3**	**200**	**pg/g**
PCB-198/199	**210**	**C**	**2.4**	**200**	**pg/g**
PCB-200	**9.8**	**J Q**	**2.4**	**200**	**pg/g**
PCB-201	**28**	**J**	**1.7**	**200**	**pg/g**
PCB-202	**62**	**J Q**	**2.3**	**200**	**pg/g**
PCB-203	**120**	**J**	**2.3**	**200**	**pg/g**
PCB-204	ND	U	1.7	200	pg/g
PCB-205	**7.2**	**J Q**	**1.6**	**200**	**pg/g**
PCB-206	**110**	**J**	**3.5**	**200**	**pg/g**
PCB-207	**8.8**	**J Q**	**2.9**	**200**	**pg/g**
PCB-208	**45**	**J**	**3.3**	**200**	**pg/g**
PCB-209	**48**	**J B**	**1.5**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB04_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 016	**Work Order #....:**	MKC0L1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.99
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND		U	1.4	200	pg/g
PCB-2	ND		U	1.4	200	pg/g
PCB-3	ND		U	1.3	200	pg/g
PCB-4	ND		U	10	200	pg/g
PCB-5	ND		U	7.0	200	pg/g
PCB-6	ND		U	7.2	200	pg/g
PCB-7	ND		U	6.9	200	pg/g
PCB-8	ND		U	7.1	200	pg/g
PCB-9	ND		U	7.9	200	pg/g
PCB-10	ND		U	7.1	200	pg/g
PCB-11	ND		U	8.0	200	pg/g
PCB-12/13	ND		U	7.0	200	pg/g
PCB-14	ND		U	6.0	200	pg/g
PCB-15	ND		U	6.6	200	pg/g
PCB-16	ND		U	2.4	200	pg/g
PCB-17	ND		U	1.9	200	pg/g
PCB-18/30	**6.2**	U	**C J Q B**	**1.6**	**200**	**pg/g**
PCB-19	ND		U	2.8	200	pg/g
PCB-20/28	**26**		**C J B**	**1.7**	**200**	**pg/g**
PCB-21/33	**8.1**		**C J B**	**1.6**	**200**	**pg/g**
PCB-22	**4.7**	U	**J Q B**	**1.8**	**200**	**pg/g**
PCB-23	ND		U	1.7	200	pg/g
PCB-24	ND		U	1.4	200	pg/g
PCB-25	ND		U	1.7	200	pg/g
PCB-26/29	ND		U	1.7	200	pg/g
PCB-27	ND		U	1.4	200	pg/g
PCB-31	**19**		**J B**	**1.6**	**200**	**pg/g**
PCB-32	ND		U	1.3	200	pg/g
PCB-34	ND		U	1.7	200	pg/g
PCB-35	ND		U	1.8	200	pg/g
PCB-36	ND		U	1.6	200	pg/g
PCB-37	**3.6**	U	**J Q B**	**1.7**	**200**	**pg/g**
PCB-38	ND		U	1.7	200	pg/g
PCB-39	ND		U	1.6	200	pg/g
PCB-40/71	**18**		**C J B**	**1.8**	**200**	**pg/g**
PCB-41	ND		U	2.1	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB04_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 016	**Work Order #....:**	MKC0L1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.99
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**9.0 U**	**J Q**	**1.9**	**200**	**pg/g**
PCB-43	ND	U	2.1	200	pg/g
PCB-45	ND	U	2.1	200	pg/g
PCB-46	ND	U	2.2	200	pg/g
PCB-44/47/65	**67**	**C J B**	**1.7**	**200**	**pg/g**
PCB-48	**6.5 U**	**J Q**	**1.8**	**200**	**pg/g**
PCB-49/69	**32**	**C J B**	**1.5**	**200**	**pg/g**
PCB-50/53	ND	U	1.8	200	pg/g
PCB-51	ND	U	1.8	200	pg/g
PCB-52	**170**	**J B**	**1.9**	**200**	**pg/g**
PCB-54	ND	U	1.5	200	pg/g
PCB-55	ND	U	2.5	200	pg/g
PCB-56	**20**	**J**	**2.5**	**200**	**pg/g**
PCB-57	ND	U	2.4	200	pg/g
PCB-58	ND	U	2.4	200	pg/g
PCB-59/62/75	ND	U	1.3	200	pg/g
PCB-60	**15**	**J**	**2.5**	**200**	**pg/g**
PCB-61/70/74/76	**210**	**C B**	**2.4**	**200**	**pg/g**
PCB-63	ND	U	2.2	200	pg/g
PCB-64	**14 U**	**J Q B**	**1.3**	**200**	**pg/g**
PCB-66	**71**	**J B**	**2.5**	**200**	**pg/g**
PCB-67	ND	U	2.3	200	pg/g
PCB-68	ND	U	2.2	200	pg/g
PCB-72	ND	U	2.3	200	pg/g
PCB-73	ND	U	1.4	200	pg/g
PCB-77	ND	U	2.5	20	pg/g
PCB-78	ND	U	2.5	200	pg/g
PCB-79	ND	U	2.2	200	pg/g
PCB-80	ND	U	2.1	200	pg/g
PCB-81	ND	U	2.5	20	pg/g
PCB-82	**40 U**	**J Q**	**4.4**	**200**	**pg/g**
PCB-83	**49 UJ**	**J Q**	**4.1**	**200**	**pg/g**
PCB-84	**82**	**J**	**4.4**	**200**	**pg/g**
PCB-85/116/117	**98**	**C J**	**3.0**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**330**	**C**	**3.1**	**200**	**pg/g**
PCB-88/91	**31**	**C J**	**3.7**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB04_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 016	**Work Order #....:**	MKC0L1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.99
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	4.0	200	pg/g
PCB-90/101/113	**690**	**C B**	**3.2**	**200**	**pg/g**
PCB-92	**120**	**J**	**3.8**	**200**	**pg/g**
PCB-93/100	**8.6**	**C J**	**3.6**	**200**	**pg/g**
PCB-94	ND	U	4.0	200	pg/g
PCB-95	**360**		**3.7**	**200**	**pg/g**
PCB-96	ND	U	1.5	200	pg/g
PCB-98/102	ND	U	3.6	200	pg/g
PCB-99	**330** J		**3.7**	**200**	**pg/g**
PCB-103	ND	U	3.4	200	pg/g
PCB-104	ND	U	1.4	200	pg/g
PCB-105	**230**		**2.9**	**20**	**pg/g**
PCB-106	ND	U	3.2	200	pg/g
PCB-109	**32** U	**J Q**	**2.2**	**200**	**pg/g**
PCB-107/124	**17** U	**C J Q**	**2.8**	**200**	**pg/g**
PCB-110/115	**580**	**C**	**2.8**	**200**	**pg/g**
PCB-111	ND	U	2.7	200	pg/g
PCB-112	ND	U	2.7	200	pg/g
PCB-114	**9.7**	**J**	**3.1**	**20**	**pg/g**
PCB-118	**700**		**2.6**	**20**	**pg/g**
PCB-120	ND	U	2.6	200	pg/g
PCB-121	ND	U	2.6	200	pg/g
PCB-122	ND	U	3.1	200	pg/g
PCB-123	**9.1**	**J**	**2.9**	**20**	**pg/g**
PCB-126	ND	U	3.4	20	pg/g
PCB-127	ND	U	2.7	200	pg/g
PCB-128/166	**140**	**C J**	**2.5**	**200**	**pg/g**
PCB-129/138/163	**1100**	**C B**	**2.4**	**200**	**pg/g**
PCB-130	**63**	**J**	**3.3**	**200**	**pg/g**
PCB-131	**6.9** U	**J Q**	**3.1**	**200**	**pg/g**
PCB-132	**170**	**J**	**3.1**	**200**	**pg/g**
PCB-133	**18**	**J**	**3.1**	**200**	**pg/g**
PCB-134/143	**37**	**C J**	**3.2**	**200**	**pg/g**
PCB-135/151	**330**	**C**	**2.8**	**200**	**pg/g**
PCB-136	**82**	**J**	**2.1**	**200**	**pg/g**
PCB-137	**6.9** U	**J Q**	**2.1**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB04_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 016	**Work Order #....:**	MKC0L1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.99
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**17**		**C J**	**2.7**	**200**	**pg/g**
PCB-141	**14**		**J**	**3.4**	**200**	**pg/g**
PCB-142	ND		U	3.4	200	pg/g
PCB-144	**46**		**J**	**2.8**	**200**	**pg/g**
PCB-145	ND		U	2.1	200	pg/g
PCB-146	**170**		**J**	**2.3**	**200**	**pg/g**
PCB-147/149	**720**		**C**	**2.7**	**200**	**pg/g**
PCB-148	ND		U	2.8	200	pg/g
PCB-150	ND		U	2.0	200	pg/g
PCB-152	ND		U	2.0	200	pg/g
PCB-153/168	**1100**		**C B**	**2.1**	**200**	**pg/g**
PCB-154	**10**	U	**J Q**	**2.5**	**200**	**pg/g**
PCB-155	ND		U	2.2	200	pg/g
PCB-156/157	**100**		**C**	**3.1**	**40**	**pg/g**
PCB-158	**100**		**J**	**2.0**	**200**	**pg/g**
PCB-159	ND		U	2.4	200	pg/g
PCB-160	ND		U	3.2	200	pg/g
PCB-161	ND		U	2.5	200	pg/g
PCB-162	ND		U	2.5	200	pg/g
PCB-164	ND		U	2.9	200	pg/g
PCB-165	ND		U	2.3	200	pg/g
PCB-167	**54**			**2.3**	**20**	**pg/g**
PCB-169	ND		U	2.5	20	pg/g
PCB-170	**27**		**J**	**3.4**	**200**	**pg/g**
PCB-171/173	**94**		**C J**	**3.3**	**200**	**pg/g**
PCB-172	ND		U	3.3	200	pg/g
PCB-174	ND		U	3.8	200	pg/g
PCB-175	**13**		**J**	**2.5**	**200**	**pg/g**
PCB-176	**4.0**	U	**J Q**	**1.7**	**200**	**pg/g**
PCB-177	**220**			**3.4**	**200**	**pg/g**
PCB-178	**73**		**J**	**2.6**	**200**	**pg/g**
PCB-179	**91**		**J**	**1.9**	**200**	**pg/g**
PCB-180/193	**210**		**C**	**2.6**	**200**	**pg/g**
PCB-181	ND		U	2.9	200	pg/g
PCB-182	ND		U	2.2	200	pg/g
PCB-183	**160**	J	**J**	**2.1**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB04_061511

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 016	**Work Order #....:**	MKC0L1AA	**Matrix....:**	TA
Date Sampled....:	06/15/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.99
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U	1.9	200	pg/g
PCB-185	ND	U	3.6	200	pg/g
PCB-186	ND	U	1.8	200	pg/g
PCB-187	**410**		**2.3**	**200**	**pg/g**
PCB-188	ND	U	2.3	200	pg/g
PCB-189	**6.6** U	**J Q**	**2.0**	**20**	**pg/g**
PCB-190	**29**	**J**	**2.4**	**200**	**pg/g**
PCB-191	ND	U	2.4	200	pg/g
PCB-192	ND	U	2.5	200	pg/g
PCB-194	**8.1**	**J**	**2.8**	**200**	**pg/g**
PCB-195	ND	U	3.2	200	pg/g
PCB-196	ND	U	2.6	200	pg/g
PCB-197	**4.9** U	**J Q**	**1.5**	**200**	**pg/g**
PCB-198/199	ND	U	2.9	200	pg/g
PCB-200	ND	U	2.9	200	pg/g
PCB-201	**18**	**J**	**2.0**	**200**	**pg/g**
PCB-202	**33**	**J**	**2.5**	**200**	**pg/g**
PCB-203	ND	U	2.7	200	pg/g
PCB-204	ND	U	2.1	200	pg/g
PCB-205	ND	U	1.6	200	pg/g
PCB-206	ND	U	3.6	200	pg/g
PCB-207	ND	U	2.8	200	pg/g
PCB-208	ND	U	3.1	200	pg/g
PCB-209	ND	U	1.6	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB05_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 017	**Work Order #....:**	MKC0M1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.8
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.4 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND	U	0.88	200	pg/g
PCB-2	ND	U	0.93	200	pg/g
PCB-3	ND	U	0.87	200	pg/g
PCB-4	ND	U	7.6	200	pg/g
PCB-5	ND	U	6.2	200	pg/g
PCB-6	ND	U	6.4	200	pg/g
PCB-7	ND	U	6.1	200	pg/g
PCB-8	ND	U	6.3	200	pg/g
PCB-9	ND	U	7.0	200	pg/g
PCB-10	ND	U	5.1	200	pg/g
PCB-11	ND	U	8.5	200	pg/g
PCB-12/13	ND	U	6.2	200	pg/g
PCB-14	ND	U	5.3	200	pg/g
PCB-15	ND	U	5.7	200	pg/g
PCB-16	ND	U	1.8	200	pg/g
PCB-17	ND	U	1.5	200	pg/g
PCB-18/30	**2.9** U	**C J Q B**	**1.2**	**200**	**pg/g**
PCB-19	ND	U	2.0	200	pg/g
PCB-20/28	**9.5**	**C J B**	**1.6**	**200**	**pg/g**
PCB-21/33	**4.2**	**C J B**	**1.5**	**200**	**pg/g**
PCB-22	ND	U	1.7	200	pg/g
PCB-23	ND	U	1.6	200	pg/g
PCB-24	ND	U	1.1	200	pg/g
PCB-25	ND	U	1.6	200	pg/g
PCB-26/29	ND	U	1.5	200	pg/g
PCB-27	ND	U	1.1	200	pg/g
PCB-31	**4.3** U	**J Q B**	**1.5**	**200**	**pg/g**
PCB-32	ND	U	0.99	200	pg/g
PCB-34	ND	U	1.6	200	pg/g
PCB-35	ND	U	1.7	200	pg/g
PCB-36	ND	U	1.5	200	pg/g
PCB-37	**2.7**	**J B**	**1.6**	**200**	**pg/g**
PCB-38	ND	U	1.6	200	pg/g
PCB-39	ND	U	1.5	200	pg/g
PCB-40/71	**9.1**	**C J B**	**1.7**	**200**	**pg/g**
PCB-41	ND	U	2.0	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB05_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 017	**Work Order #....:**	MKC0M1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.8
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.4 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**5.5**	U	**J Q**	**1.8**	**200**	**pg/g**
PCB-43	ND		U	2.0	200	pg/g
PCB-45	ND		U	1.9	200	pg/g
PCB-46	ND		U	2.1	200	pg/g
PCB-44/47/65	**37**		**C J B**	**1.6**	**200**	**pg/g**
PCB-48	**3.1**	U	**J Q**	**1.7**	**200**	**pg/g**
PCB-49/69	**16**		**C J B**	**1.4**	**200**	**pg/g**
PCB-50/53	ND		U	1.7	200	pg/g
PCB-51	ND		U	1.6	200	pg/g
PCB-52	**110**		**J B**	**1.7**	**200**	**pg/g**
PCB-54	ND		U	1.3	200	pg/g
PCB-55	ND		U	1.9	200	pg/g
PCB-56	**9.0**		**J**	**2.0**	**200**	**pg/g**
PCB-57	ND		U	1.9	200	pg/g
PCB-58	ND		U	1.8	200	pg/g
PCB-59/62/75	ND		U	1.2	200	pg/g
PCB-60	**6.6**	U	**J Q**	**1.9**	**200**	**pg/g**
PCB-61/70/74/76	**150**		**C J B**	**1.8**	**200**	**pg/g**
PCB-63	ND		U	1.7	200	pg/g
PCB-64	**6.6**		**J B**	**1.2**	**200**	**pg/g**
PCB-66	**38**	U	**J Q B**	**1.9**	**200**	**pg/g**
PCB-67	ND		U	1.8	200	pg/g
PCB-68	ND		U	1.7	200	pg/g
PCB-72	ND		U	1.8	200	pg/g
PCB-73	ND		U	1.3	200	pg/g
PCB-77	**2.7**	U	**J Q**	**2.1**	**20**	**pg/g**
PCB-78	ND		U	2.0	200	pg/g
PCB-79	ND		U	1.7	200	pg/g
PCB-80	ND		U	1.7	200	pg/g
PCB-81	ND		U	1.8	20	pg/g
PCB-82	**35**	U	**J Q**	**3.1**	**200**	**pg/g**
PCB-83	**77**	J	**J**	**2.9**	**200**	**pg/g**
PCB-84	**59**		**J**	**3.1**	**200**	**pg/g**
PCB-85/116/117	**100**		**C J**	**2.1**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**300**		**C**	**2.2**	**200**	**pg/g**
PCB-88/91	**24**		**C J**	**2.6**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB05_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 017	**Work Order #....:**	MKC0M1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.8
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.4 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	2.8	200	pg/g
PCB-90/101/113	**640**	**C B**	**2.3**	**200**	**pg/g**
PCB-92	**110**	**J**	**2.7**	**200**	**pg/g**
PCB-93/100	**4.5** U	**C J Q**	**2.5**	**200**	**pg/g**
PCB-94	ND	U	2.8	200	pg/g
PCB-95	**300**		**2.6**	**200**	**pg/g**
PCB-96	ND	U	1.4	200	pg/g
PCB-98/102	ND	U	2.6	200	pg/g
PCB-99	**300** J		**2.6**	**200**	**pg/g**
PCB-103	ND	U	2.4	200	pg/g
PCB-104	ND	U	1.3	200	pg/g
PCB-105	**260**		**2.0**	**20**	**pg/g**
PCB-106	ND	U	2.3	200	pg/g
PCB-109	**31** U	**J Q**	**1.6**	**200**	**pg/g**
PCB-107/124	**28**	**C J**	**2.0**	**200**	**pg/g**
PCB-110/115	**500**	**C**	**2.0**	**200**	**pg/g**
PCB-111	ND	U	1.9	200	pg/g
PCB-112	ND	U	1.9	200	pg/g
PCB-114	**13**	**J**	**2.1**	**20**	**pg/g**
PCB-118	**790**		**2.0**	**20**	**pg/g**
PCB-120	ND	U	1.9	200	pg/g
PCB-121	ND	U	1.9	200	pg/g
PCB-122	**8.4** U	**J Q**	**2.2**	**200**	**pg/g**
PCB-123	**8.8**	**J**	**2.0**	**20**	**pg/g**
PCB-126	ND	U	2.4	20	pg/g
PCB-127	ND	U	1.9	200	pg/g
PCB-128/166	**140**	**C J**	**1.9**	**200**	**pg/g**
PCB-129/138/163	**920**	**C B**	**1.9**	**200**	**pg/g**
PCB-130	**56**	**J**	**2.6**	**200**	**pg/g**
PCB-131	**8.0**	**J**	**2.4**	**200**	**pg/g**
PCB-132	**120**	**J**	**2.4**	**200**	**pg/g**
PCB-133	**14**	**J**	**2.4**	**200**	**pg/g**
PCB-134/143	**33**	**C J**	**2.5**	**200**	**pg/g**
PCB-135/151	**200**	**C**	**2.2**	**200**	**pg/g**
PCB-136	**58**	**J**	**1.7**	**200**	**pg/g**
PCB-137	**3.4** U	**J Q**	**1.6**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB05_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 017	**Work Order #....:**	MKC0M1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.8
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.4 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**14**	U	**C J Q**	**2.1**	**200**	**pg/g**
PCB-141	ND		U	2.6	200	pg/g
PCB-142	ND		U	2.7	200	pg/g
PCB-144	**33**		**J**	**2.2**	**200**	**pg/g**
PCB-145	ND		U	1.6	200	pg/g
PCB-146	**120**		**J**	**1.8**	**200**	**pg/g**
PCB-147/149	**490**		**C**	**2.1**	**200**	**pg/g**
PCB-148	ND		U	2.2	200	pg/g
PCB-150	ND		U	1.5	200	pg/g
PCB-152	ND		U	1.6	200	pg/g
PCB-153/168	**870**		**C B**	**1.6**	**200**	**pg/g**
PCB-154	**8.0**	U	**J Q**	**2.0**	**200**	**pg/g**
PCB-155	ND		U	1.5	200	pg/g
PCB-156/157	**110**		**C**	**2.3**	**39**	**pg/g**
PCB-158	**110**		**J**	**1.6**	**200**	**pg/g**
PCB-159	ND		U	1.8	200	pg/g
PCB-160	ND		U	2.5	200	pg/g
PCB-161	ND		U	2.0	200	pg/g
PCB-162	**3.2**		**J**	**1.9**	**200**	**pg/g**
PCB-164	ND		U	2.3	200	pg/g
PCB-165	ND		U	1.8	200	pg/g
PCB-167	**51**			**1.7**	**20**	**pg/g**
PCB-169	ND		U	2.1	20	pg/g
PCB-170	**10**	U	**J Q**	**2.4**	**200**	**pg/g**
PCB-171/173	**59**		**C J**	**2.4**	**200**	**pg/g**
PCB-172	ND		U	2.3	200	pg/g
PCB-174	ND		U	2.7	200	pg/g
PCB-175	**3.4**	U	**J Q**	**1.7**	**200**	**pg/g**
PCB-176	**9.8**	U	**J Q**	**1.2**	**200**	**pg/g**
PCB-177	**110**		**J**	**2.4**	**200**	**pg/g**
PCB-178	**40**		**J**	**1.8**	**200**	**pg/g**
PCB-179	**50**		**J**	**1.3**	**200**	**pg/g**
PCB-180/193	**91**		**C J**	**1.9**	**200**	**pg/g**
PCB-181	ND		U	2.0	200	pg/g
PCB-182	ND		U	1.6	200	pg/g
PCB-183	**85**	J	**J**	**1.5**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB05_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 017	**Work Order #....:**	MKC0M1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.8
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.4 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U	1.3	200	pg/g
PCB-185	ND	U	2.6	200	pg/g
PCB-186	ND	U	1.3	200	pg/g
PCB-187	**210**		**1.6**	**200**	**pg/g**
PCB-188	ND	U	1.7	200	pg/g
PCB-189	**5.7** U	**J Q**	**1.5**	**20**	**pg/g**
PCB-190	**13**	**J**	**1.7**	**200**	**pg/g**
PCB-191	ND	U	1.7	200	pg/g
PCB-192	ND	U	1.8	200	pg/g
PCB-194	ND	U	2.0	200	pg/g
PCB-195	ND	U	2.2	200	pg/g
PCB-196	ND	U	1.4	200	pg/g
PCB-197	ND	U	0.83	200	pg/g
PCB-198/199	ND	U	1.6	200	pg/g
PCB-200	ND	U	1.6	200	pg/g
PCB-201	**6.3** U	**J Q**	**1.1**	**200**	**pg/g**
PCB-202	**14**	**J**	**1.4**	**200**	**pg/g**
PCB-203	**2.8** U	**J Q**	**1.5**	**200**	**pg/g**
PCB-204	ND	U	1.1	200	pg/g
PCB-205	ND	U	1.1	200	pg/g
PCB-206	ND	U	3.3	200	pg/g
PCB-207	ND	U	2.7	200	pg/g
PCB-208	ND	U	3.0	200	pg/g
PCB-209	ND	U	1.2	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB01_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 018	**Work Order #....:**	MKC0N1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.97
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.06 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND	U	1.4	200	pg/g
PCB-2	ND	U	1.4	200	pg/g
PCB-3	ND	U	1.2	200	pg/g
PCB-4	ND	U	11	200	pg/g
PCB-5	ND	U	8.6	200	pg/g
PCB-6	ND	U	8.9	200	pg/g
PCB-7	ND	U	8.5	200	pg/g
PCB-8	ND	U	8.8	200	pg/g
PCB-9	ND	U	9.7	200	pg/g
PCB-10	ND	U	7.7	200	pg/g
PCB-11	ND	U	8.7	200	pg/g
PCB-12/13	ND	U	8.7	200	pg/g
PCB-14	ND	U	7.4	200	pg/g
PCB-15	ND	U	8.1	200	pg/g
PCB-16	ND	U	2.4	200	pg/g
PCB-17	ND	U	1.9	200	pg/g
PCB-18/30	**3.5** U	**C J Q B**	**1.6**	**200**	**pg/g**
PCB-19	ND	U	2.3	200	pg/g
PCB-20/28	**18**	**C J B**	**1.7**	**200**	**pg/g**
PCB-21/33	**5.0**	**C J B**	**1.6**	**200**	**pg/g**
PCB-22	**3.3** U	**J Q B**	**1.8**	**200**	**pg/g**
PCB-23	ND	U	1.7	200	pg/g
PCB-24	ND	U	1.5	200	pg/g
PCB-25	ND	U	1.7	200	pg/g
PCB-26/29	ND	U	1.6	200	pg/g
PCB-27	ND	U	1.4	200	pg/g
PCB-31	**13** U	**J B**	**1.6**	**200**	**pg/g**
PCB-32	**1.5** U	**J Q B**	**1.3**	**200**	**pg/g**
PCB-34	ND	U	1.7	200	pg/g
PCB-35	ND	U	1.8	200	pg/g
PCB-36	ND	U	1.6	200	pg/g
PCB-37	ND	U	1.9	200	pg/g
PCB-38	ND	U	1.7	200	pg/g
PCB-39	ND	U	1.6	200	pg/g
PCB-40/71	**19**	**C J B**	**2.3**	**200**	**pg/g**
PCB-41	ND	U	2.8	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: KB01_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 018	**Work Order #....:**	MKC0N1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.97
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.06 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**9.3**	**J**	**2.5**	**200**	**pg/g**
PCB-43	ND	U	2.8	200	pg/g
PCB-45	ND	U	2.7	200	pg/g
PCB-46	ND	U	2.8	200	pg/g
PCB-44/47/65	**77**	**C J B**	**2.2**	**200**	**pg/g**
PCB-48	**8.3**	**J**	**2.4**	**200**	**pg/g**
PCB-49/69	**43**	**C J B**	**1.9**	**200**	**pg/g**
PCB-50/53	**5.6**	**C J**	**2.3**	**200**	**pg/g**
PCB-51	ND	U	2.3	200	pg/g
PCB-52	**220**	**B**	**2.4**	**200**	**pg/g**
PCB-54	ND	U	2.0	200	pg/g
PCB-55	ND	U	3.2	200	pg/g
PCB-56	**26**	**J**	**3.3**	**200**	**pg/g**
PCB-57	ND	U	3.2	200	pg/g
PCB-58	ND	U	3.1	200	pg/g
PCB-59/62/75	ND	U	1.7	200	pg/g
PCB-60	**18**	**J**	**3.3**	**200**	**pg/g**
PCB-61/70/74/76	**290**	**C B**	**3.1**	**200**	**pg/g**
PCB-63	**3.3** U	**J Q**	**2.9**	**200**	**pg/g**
PCB-64	**19**	**J B**	**1.6**	**200**	**pg/g**
PCB-66	**100**	**J B**	**3.3**	**200**	**pg/g**
PCB-67	ND	U	3.0	200	pg/g
PCB-68	ND	U	2.8	200	pg/g
PCB-72	ND	U	3.1	200	pg/g
PCB-73	ND	U	1.8	200	pg/g
PCB-77	**3.9** U	**J Q**	**3.2**	**20**	**pg/g**
PCB-78	ND	U	3.3	200	pg/g
PCB-79	ND	U	2.8	200	pg/g
PCB-80	ND	U	2.8	200	pg/g
PCB-81	ND	U	3.3	20	pg/g
PCB-82	**83**	**J**	**5.3**	**200**	**pg/g**
PCB-83	**87** J	**J**	**4.9**	**200**	**pg/g**
PCB-84	**140**	**J**	**5.2**	**200**	**pg/g**
PCB-85/116/117	**160**	**C J**	**3.6**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**570**	**C**	**3.7**	**200**	**pg/g**
PCB-88/91	**61**	**C J**	**4.4**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB01_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 018	**Work Order #....:**	MKC0N1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.97
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.06 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	4.7	200	pg/g
PCB-90/101/113	**1400**	**C B**	**3.8**	**200**	**pg/g**
PCB-92	**220**		**4.5**	**200**	**pg/g**
PCB-93/100	**6.4** U	**C J Q**	**4.3**	**200**	**pg/g**
PCB-94	ND	U	4.8	200	pg/g
PCB-95	**920**		**4.4**	**200**	**pg/g**
PCB-96	ND	U	1.7	200	pg/g
PCB-98/102	ND	U	4.3	200	pg/g
PCB-99	**540** J		**4.4**	**200**	**pg/g**
PCB-103	**6.9**	**J**	**4.1**	**200**	**pg/g**
PCB-104	ND	U	1.6	200	pg/g
PCB-105	**370**		**3.4**	**20**	**pg/g**
PCB-106	ND	U	3.8	200	pg/g
PCB-109	**56**	**J**	**2.6**	**200**	**pg/g**
PCB-107/124	**42**	**C J**	**3.4**	**200**	**pg/g**
PCB-110/115	**1100**	**C**	**3.3**	**200**	**pg/g**
PCB-111	ND	U	3.2	200	pg/g
PCB-112	ND	U	3.2	200	pg/g
PCB-114	**20**		**3.3**	**20**	**pg/g**
PCB-118	**1200**		**3.3**	**20**	**pg/g**
PCB-120	ND	U	3.1	200	pg/g
PCB-121	ND	U	3.2	200	pg/g
PCB-122	**8.1** U	**J Q**	**3.7**	**200**	**pg/g**
PCB-123	**12** U	**J Q**	**3.6**	**20**	**pg/g**
PCB-126	ND	U	3.7	20	pg/g
PCB-127	ND	U	3.2	200	pg/g
PCB-128/166	**290**	**C**	**2.5**	**200**	**pg/g**
PCB-129/138/163	**3100**	**C B**	**2.4**	**200**	**pg/g**
PCB-130	**120**	**J**	**3.3**	**200**	**pg/g**
PCB-131	**20**	**J**	**3.1**	**200**	**pg/g**
PCB-132	**500**		**3.1**	**200**	**pg/g**
PCB-133	**44**	**J**	**3.1**	**200**	**pg/g**
PCB-134/143	**96** U	**C J Q**	**3.2**	**200**	**pg/g**
PCB-135/151	**1200**	**C**	**2.8**	**200**	**pg/g**
PCB-136	**310**		**2.1**	**200**	**pg/g**
PCB-137	**51**	**J**	**2.1**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB01_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 018	**Work Order #....:**	MKC0N1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.97
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.06 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**22** U	**C J Q**	**2.7**	**200**	**pg/g**
PCB-141	**110**	**J**	**3.4**	**200**	**pg/g**
PCB-142	ND	U	3.4	200	pg/g
PCB-144	**160**	**J**	**2.8**	**200**	**pg/g**
PCB-145	ND	U	2.1	200	pg/g
PCB-146	**440**		**2.3**	**200**	**pg/g**
PCB-147/149	**2500**	C	**2.7**	**200**	**pg/g**
PCB-148	ND	U	2.8	200	pg/g
PCB-150	**2.1** U	**J Q**	**2.0**	**200**	**pg/g**
PCB-152	ND	U	2.0	200	pg/g
PCB-153/168	**3600**	**C B**	**2.1**	**200**	**pg/g**
PCB-154	**20**	**J**	**2.5**	**200**	**pg/g**
PCB-155	ND	U	2.2	200	pg/g
PCB-156/157	**200**	**C**	**3.0**	**40**	**pg/g**
PCB-158	**260**		**2.1**	**200**	**pg/g**
PCB-159	ND	U	2.3	200	pg/g
PCB-160	ND	U	3.2	200	pg/g
PCB-161	ND	U	2.5	200	pg/g
PCB-162	ND	U	2.4	200	pg/g
PCB-164	ND	U	2.9	200	pg/g
PCB-165	ND	U	2.3	200	pg/g
PCB-167	**120**		**2.3**	**20**	**pg/g**
PCB-169	ND	U	2.4	20	pg/g
PCB-170	**180**	**J**	**2.4**	**200**	**pg/g**
PCB-171/173	**340**	**C**	**2.4**	**200**	**pg/g**
PCB-172	**19**	**J**	**2.3**	**200**	**pg/g**
PCB-174	**18** U	**J Q**	**2.7**	**200**	**pg/g**
PCB-175	**43**	**J**	**2.4**	**200**	**pg/g**
PCB-176	**110**	**J**	**1.7**	**200**	**pg/g**
PCB-177	**770**		**2.4**	**200**	**pg/g**
PCB-178	**240**		**2.6**	**200**	**pg/g**
PCB-179	**400**		**1.9**	**200**	**pg/g**
PCB-180/193	**980**	**C**	**1.9**	**200**	**pg/g**
PCB-181	ND	U	2.0	200	pg/g
PCB-182	ND	U	2.2	200	pg/g
PCB-183	**610** J		**1.5**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KB01_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 018	**Work Order #....:**	MKC0N1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.97
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.06 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U	1.9	200	pg/g
PCB-185	ND	U	2.6	200	pg/g
PCB-186	ND	U	1.8	200	pg/g
PCB-187	**1600**		**2.3**	**200**	**pg/g**
PCB-188	ND	U	2.4	200	pg/g
PCB-189	**26**		**1.3**	**20**	**pg/g**
PCB-190	**120**	**J**	**1.7**	**200**	**pg/g**
PCB-191	**16**	**J**	**1.7**	**200**	**pg/g**
PCB-192	ND	U	1.8	200	pg/g
PCB-194	**42**	**J**	**2.1**	**200**	**pg/g**
PCB-195	**12**	**J**	**2.4**	**200**	**pg/g**
PCB-196	**8.1** U	**J Q**	**1.7**	**200**	**pg/g**
PCB-197	**13**	**J**	**0.96**	**200**	**pg/g**
PCB-198/199	**8.8**	**C J**	**1.8**	**200**	**pg/g**
PCB-200	ND	U	1.8	200	pg/g
PCB-201	**55**	**J**	**1.3**	**200**	**pg/g**
PCB-202	**83**	**J**	**1.8**	**200**	**pg/g**
PCB-203	**49**	**J**	**1.7**	**200**	**pg/g**
PCB-204	ND	U	1.3	200	pg/g
PCB-205	**4.3**	**J**	**1.1**	**200**	**pg/g**
PCB-206	ND	U	3.2	200	pg/g
PCB-207	ND	U	2.8	200	pg/g
PCB-208	ND	U	3.3	200	pg/g
PCB-209	ND	U	0.95	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: KBALT03_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 019	**Work Order #....:**	MKC0P1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.97
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.06 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND	U	1.2	200	pg/g
PCB-2	ND	U	1.2	200	pg/g
PCB-3	ND	U	1.1	200	pg/g
PCB-4	ND	U	10	200	pg/g
PCB-5	ND	U	9.5	200	pg/g
PCB-6	ND	U	9.8	200	pg/g
PCB-7	ND	U	9.4	200	pg/g
PCB-8	ND	U	9.7	200	pg/g
PCB-9	ND	U	11	200	pg/g
PCB-10	ND	U	6.8	200	pg/g
PCB-11	ND	U	9.5	200	pg/g
PCB-12/13	ND	U	9.6	200	pg/g
PCB-14	ND	U	8.2	200	pg/g
PCB-15	ND	U	8.8	200	pg/g
PCB-16	ND	U	2.0	200	pg/g
PCB-17	ND	U	1.6	200	pg/g
PCB-18/30	**5.6**	**C J B**	**1.4**	**200**	**pg/g**
PCB-19	ND	U	3.0	200	pg/g
PCB-20/28	**19**	**C J B**	**1.5**	**200**	**pg/g**
PCB-21/33	**6.6**	**C J B**	**1.4**	**200**	**pg/g**
PCB-22	**4.2** U	**J Q B**	**1.5**	**200**	**pg/g**
PCB-23	ND	U	1.5	200	pg/g
PCB-24	ND	U	1.2	200	pg/g
PCB-25	ND	U	1.4	200	pg/g
PCB-26/29	ND	U	1.4	200	pg/g
PCB-27	ND	U	1.2	200	pg/g
PCB-31	**17**	**J B**	**1.4**	**200**	**pg/g**
PCB-32	ND	U	1.1	200	pg/g
PCB-34	ND	U	1.5	200	pg/g
PCB-35	ND	U	1.6	200	pg/g
PCB-36	ND	U	1.4	200	pg/g
PCB-37	**3.2** U	**J Q B**	**1.3**	**200**	**pg/g**
PCB-38	ND	U	1.5	200	pg/g
PCB-39	ND	U	1.4	200	pg/g
PCB-40/71	**15**	**C J B**	**1.5**	**200**	**pg/g**
PCB-41	ND	U	1.8	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: KBALT03_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 019	**Work Order #....:**	MKC0P1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.97
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.06 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**9.8** U	**J Q**	**1.6**	**200**	**pg/g**
PCB-43	ND	U	1.8	200	pg/g
PCB-45	ND	U	1.7	200	pg/g
PCB-46	ND	U	1.8	200	pg/g
PCB-44/47/65	**94**	**C J B**	**1.4**	**200**	**pg/g**
PCB-48	**7.1** U	**J Q**	**1.5**	**200**	**pg/g**
PCB-49/69	**53**	**C J B**	**1.2**	**200**	**pg/g**
PCB-50/53	**4.0** U	**C J Q**	**1.5**	**200**	**pg/g**
PCB-51	ND	U	1.4	200	pg/g
PCB-52	**250**	**B**	**1.5**	**200**	**pg/g**
PCB-54	ND	U	1.5	200	pg/g
PCB-55	ND	U	2.4	200	pg/g
PCB-56	**29**	**J**	**2.5**	**200**	**pg/g**
PCB-57	ND	U	2.4	200	pg/g
PCB-58	ND	U	2.3	200	pg/g
PCB-59/62/75	ND	U	1.1	200	pg/g
PCB-60	**20**	**J**	**2.4**	**200**	**pg/g**
PCB-61/70/74/76	**330**	**C B**	**2.3**	**200**	**pg/g**
PCB-63	ND	U	2.2	200	pg/g
PCB-64	**28**	**J B**	**1.0**	**200**	**pg/g**
PCB-66	**100**	**J B**	**2.4**	**200**	**pg/g**
PCB-67	ND	U	2.2	200	pg/g
PCB-68	ND	U	2.1	200	pg/g
PCB-72	ND	U	2.3	200	pg/g
PCB-73	ND	U	1.1	200	pg/g
PCB-77	ND	U	2.3	20	pg/g
PCB-78	ND	U	2.4	200	pg/g
PCB-79	**7.0** U	**J Q**	**2.1**	**200**	**pg/g**
PCB-80	ND	U	2.1	200	pg/g
PCB-81	ND	U	2.3	20	pg/g
PCB-82	**76**	**J**	**5.4**	**200**	**pg/g**
PCB-83	**60** J	**J**	**4.9**	**200**	**pg/g**
PCB-84	**140**	**J**	**5.3**	**200**	**pg/g**
PCB-85/116/117	**130**	**C J**	**3.6**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**540**	**C**	**3.8**	**200**	**pg/g**
PCB-88/91	**73**	**C J**	**4.4**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KBALT03_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 019	**Work Order #....:**	MKC0P1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.97
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.06 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	4.8	200	pg/g
PCB-90/101/113	**980**	**C B**	**3.8**	**200**	**pg/g**
PCB-92	**160**	**J**	**4.6**	**200**	**pg/g**
PCB-93/100	**16** U	**C J Q**	**4.4**	**200**	**pg/g**
PCB-94	ND	U	4.8	200	pg/g
PCB-95	**550**		**4.5**	**200**	**pg/g**
PCB-96	ND	U	0.98	200	pg/g
PCB-98/102	ND	U	4.4	200	pg/g
PCB-99	**460** J		**4.5**	**200**	**pg/g**
PCB-103	**5.4** U	**J Q**	**4.1**	**200**	**pg/g**
PCB-104	ND	U	0.96	200	pg/g
PCB-105	**350**		**3.4**	**20**	**pg/g**
PCB-106	ND	U	3.9	200	pg/g
PCB-109	**48**	**J**	**2.7**	**200**	**pg/g**
PCB-107/124	**37**	**C J**	**3.4**	**200**	**pg/g**
PCB-110/115	**920**	**C**	**3.3**	**200**	**pg/g**
PCB-111	ND	U	3.2	200	pg/g
PCB-112	ND	U	3.2	200	pg/g
PCB-114	**19**	**J**	**3.5**	**20**	**pg/g**
PCB-118	**990**		**3.2**	**20**	**pg/g**
PCB-120	ND	U	3.2	200	pg/g
PCB-121	ND	U	3.2	200	pg/g
PCB-122	**7.2** U	**J Q**	**3.7**	**200**	**pg/g**
PCB-123	**9.8** U	**J Q**	**3.5**	**20**	**pg/g**
PCB-126	ND	U	3.7	20	pg/g
PCB-127	ND	U	3.3	200	pg/g
PCB-128/166	**180**	**C J**	**2.4**	**200**	**pg/g**
PCB-129/138/163	**1200**	**C B**	**2.3**	**200**	**pg/g**
PCB-130	**57** U	**J Q**	**3.3**	**200**	**pg/g**
PCB-131	**14**	**J**	**3.0**	**200**	**pg/g**
PCB-132	**290**		**3.1**	**200**	**pg/g**
PCB-133	**22**	**J**	**3.0**	**200**	**pg/g**
PCB-134/143	**45**	**C J**	**3.1**	**200**	**pg/g**
PCB-135/151	**340**	**C**	**2.8**	**200**	**pg/g**
PCB-136	**98**	**J**	**2.1**	**200**	**pg/g**
PCB-137	**14**	**J**	**2.1**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KBALT03_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 019	**Work Order #....:**	MKC0P1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.97
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.06 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**23**		**C J**	**2.7**	**200**	**pg/g**
PCB-141	**15**		**J**	**3.3**	**200**	**pg/g**
PCB-142	ND		U	3.4	200	pg/g
PCB-144	**52**		**J**	**2.8**	**200**	**pg/g**
PCB-145	ND		U	2.1	200	pg/g
PCB-146	**170**		**J**	**2.3**	**200**	**pg/g**
PCB-147/149	**790**		**C**	**2.7**	**200**	**pg/g**
PCB-148	ND		U	2.8	200	pg/g
PCB-150	ND		U	1.9	200	pg/g
PCB-152	ND		U	2.0	200	pg/g
PCB-153/168	**1200**		**C B**	**2.0**	**200**	**pg/g**
PCB-154	**15**		**J**	**2.5**	**200**	**pg/g**
PCB-155	ND		U	2.1	200	pg/g
PCB-156/157	**130**		**C**	**2.0**	**40**	**pg/g**
PCB-158	**120**		**J**	**2.0**	**200**	**pg/g**
PCB-159	ND		U	1.6	200	pg/g
PCB-160	ND		U	3.1	200	pg/g
PCB-161	ND		U	2.5	200	pg/g
PCB-162	ND		U	1.6	200	pg/g
PCB-164	**12**	u	**J Q**	**2.9**	**200**	**pg/g**
PCB-165	ND		U	2.3	200	pg/g
PCB-167	**56**			**1.5**	**20**	**pg/g**
PCB-169	ND		U	1.6	20	pg/g
PCB-170	**26**		**J**	**2.9**	**200**	**pg/g**
PCB-171/173	**97**		**C J**	**2.9**	**200**	**pg/g**
PCB-172	ND		U	2.9	200	pg/g
PCB-174	ND		U	3.3	200	pg/g
PCB-175	**5.0**	u	**J Q**	**2.1**	**200**	**pg/g**
PCB-176	**27**		**J**	**1.5**	**200**	**pg/g**
PCB-177	**210**			**2.9**	**200**	**pg/g**
PCB-178	**63**		**J**	**2.2**	**200**	**pg/g**
PCB-179	**94**		**J**	**1.6**	**200**	**pg/g**
PCB-180/193	**210**		**C**	**2.3**	**200**	**pg/g**
PCB-181	ND		U	2.5	200	pg/g
PCB-182	ND		U	1.9	200	pg/g
PCB-183	**160**	J	**J**	**1.8**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KBALT03_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 019	**Work Order #....:**	MKC0P1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.97
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.06 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U	1.6	200	pg/g
PCB-185	ND	U	3.2	200	pg/g
PCB-186	ND	U	1.5	200	pg/g
PCB-187	**380**		**2.0**	**200**	**pg/g**
PCB-188	ND	U	2.1	200	pg/g
PCB-189	**7.7**	**J**	**1.5**	**20**	**pg/g**
PCB-190	**26** U	**J Q**	**2.1**	**200**	**pg/g**
PCB-191	ND	U	2.1	200	pg/g
PCB-192	ND	U	2.2	200	pg/g
PCB-194	**8.0** U	**J Q**	**2.2**	**200**	**pg/g**
PCB-195	ND	U	2.5	200	pg/g
PCB-196	ND	U	1.7	200	pg/g
PCB-197	ND	U	0.96	200	pg/g
PCB-198/199	ND	U	1.8	200	pg/g
PCB-200	ND	U	1.8	200	pg/g
PCB-201	**14**	**J**	**1.3**	**200**	**pg/g**
PCB-202	**20** U	**J Q**	**1.7**	**200**	**pg/g**
PCB-203	**7.9** U	**J Q**	**1.7**	**200**	**pg/g**
PCB-204	ND	U	1.3	200	pg/g
PCB-205	ND	U	1.2	200	pg/g
PCB-206	ND	U	3.7	200	pg/g
PCB-207	ND	U	3.2	200	pg/g
PCB-208	ND	U	3.6	200	pg/g
PCB-209	ND	U	1.0	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: KBALT02_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 020	**Work Order #....:**	MKC0Q1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.69
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.63 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND	U	1.0	190	pg/g
PCB-2	ND	U	1.1	190	pg/g
PCB-3	ND	U	1.1	190	pg/g
PCB-4	ND	U	10	190	pg/g
PCB-5	ND	U	9.9	190	pg/g
PCB-6	ND	U	10	190	pg/g
PCB-7	ND	U	9.7	190	pg/g
PCB-8	ND	U	10	190	pg/g
PCB-9	ND	U	11	190	pg/g
PCB-10	ND	U	7.7	190	pg/g
PCB-11	ND	U	9.9	190	pg/g
PCB-12/13	ND	U	9.9	190	pg/g
PCB-14	ND	U	8.5	190	pg/g
PCB-15	ND	U	9.8	190	pg/g
PCB-16	ND	U	1.8	190	pg/g
PCB-17	ND	U	1.5	190	pg/g
PCB-18/30	**7.7**	**C J B**	**1.2**	**190**	**pg/g**
PCB-19	ND	U	2.0	190	pg/g
PCB-20/28	**21** U	**C J Q B**	**1.3**	**190**	**pg/g**
PCB-21/33	**8.9**	**C J B**	**1.3**	**190**	**pg/g**
PCB-22	**5.7**	**J B**	**1.4**	**190**	**pg/g**
PCB-23	ND	U	1.3	190	pg/g
PCB-24	ND	U	1.1	190	pg/g
PCB-25	ND	U	1.3	190	pg/g
PCB-26/29	ND	U	1.3	190	pg/g
PCB-27	ND	U	1.1	190	pg/g
PCB-31	**19**	**J B**	**1.2**	**190**	**pg/g**
PCB-32	**2.0** U	**J Q B**	**0.99**	**190**	**pg/g**
PCB-34	ND	U	1.3	190	pg/g
PCB-35	ND	U	1.4	190	pg/g
PCB-36	ND	U	1.2	190	pg/g
PCB-37	**3.9** U	**J Q B**	**1.3**	**190**	**pg/g**
PCB-38	ND	U	1.3	190	pg/g
PCB-39	ND	U	1.2	190	pg/g
PCB-40/71	**31**	**C J B**	**1.3**	**190**	**pg/g**
PCB-41	ND	U	1.5	190	pg/g

Sealaska Environmental Services, LLC

Sample ID: KBALT02_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 020	**Work Order #....:**	MKC0Q1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.69
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.63 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**16**	**J**	**1.4**	**190**	**pg/g**
PCB-43	ND	U	1.5	190	pg/g
PCB-45	ND	U	1.5	190	pg/g
PCB-46	ND	U	1.6	190	pg/g
PCB-44/47/65	**180**	**C J B**	**1.2**	**190**	**pg/g**
PCB-48	**9.9**	**J**	**1.3**	**190**	**pg/g**
PCB-49/69	**87**	**C J B**	**1.0**	**190**	**pg/g**
PCB-50/53	**9.7**	**C J**	**1.3**	**190**	**pg/g**
PCB-51	ND	U	1.2	190	pg/g
PCB-52	**550**	**B**	**1.3**	**190**	**pg/g**
PCB-54	ND	U	0.88	190	pg/g
PCB-55	ND	U	2.8	190	pg/g
PCB-56	**48**	**J**	**2.9**	**190**	**pg/g**
PCB-57	ND	U	2.8	190	pg/g
PCB-58	ND	U	2.7	190	pg/g
PCB-59/62/75	ND	U	0.92	190	pg/g
PCB-60	**30**	**J**	**2.8**	**190**	**pg/g**
PCB-61/70/74/76	**640**	**C B**	**2.7**	**190**	**pg/g**
PCB-63	**5.9**	**J**	**2.5**	**190**	**pg/g**
PCB-64	**41**	**J B**	**0.89**	**190**	**pg/g**
PCB-66	**180**	**J B**	**2.8**	**190**	**pg/g**
PCB-67	ND	U	2.6	190	pg/g
PCB-68	ND	U	2.5	190	pg/g
PCB-72	ND	U	2.6	190	pg/g
PCB-73	ND	U	0.99	190	pg/g
PCB-77	**4.9** U	**J Q**	**2.9**	**19**	**pg/g**
PCB-78	ND	U	2.8	190	pg/g
PCB-79	**13**	**J**	**2.4**	**190**	**pg/g**
PCB-80	ND	U	2.4	190	pg/g
PCB-81	ND	U	2.8	19	pg/g
PCB-82	**190**	**J**	**5.3**	**190**	**pg/g**
PCB-83	**220** J		**4.9**	**190**	**pg/g**
PCB-84	**290**		**5.2**	**190**	**pg/g**
PCB-85/116/117	**340**	**C**	**3.6**	**190**	**pg/g**
PCB-86/87/97/108/119/125	**1200**	**C**	**3.8**	**190**	**pg/g**
PCB-88/91	**110**	**C J**	**4.4**	**190**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KBALT02_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 020	**Work Order #....:**	MKC0Q1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.69
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.63 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	7.2	U	J Q	4.7	190	pg/g
PCB-90/101/113	2700		C B	3.8	190	pg/g
PCB-92	410			4.5	190	pg/g
PCB-93/100	8.6	U	C J Q	4.3	190	pg/g
PCB-94	ND		U	4.8	190	pg/g
PCB-95	1500			4.5	190	pg/g
PCB-96	3.6	U	J Q	0.94	190	pg/g
PCB-98/102	ND		U	4.4	190	pg/g
PCB-99	1000	J		4.4	190	pg/g
PCB-103	8.4	U	J Q	4.1	190	pg/g
PCB-104	ND		U	0.83	190	pg/g
PCB-105	770			3.7	19	pg/g
PCB-106	ND		U	3.9	190	pg/g
PCB-109	110		J	2.6	190	pg/g
PCB-107/124	83		C J	3.4	190	pg/g
PCB-110/115	2300		C	3.3	190	pg/g
PCB-111	ND		U	3.2	190	pg/g
PCB-112	ND		U	3.2	190	pg/g
PCB-114	43			3.6	19	pg/g
PCB-118	2400			3.1	19	pg/g
PCB-120	ND		U	3.2	190	pg/g
PCB-121	ND		U	3.2	190	pg/g
PCB-122	24	U	J Q	3.7	190	pg/g
PCB-123	28			3.4	19	pg/g
PCB-126	ND		U	4.2	19	pg/g
PCB-127	ND		U	3.3	190	pg/g
PCB-128/166	490		C	2.3	190	pg/g
PCB-129/138/163	3700		C B	2.2	190	pg/g
PCB-130	190		J	3.1	190	pg/g
PCB-131	36		J	2.8	190	pg/g
PCB-132	710			2.9	190	pg/g
PCB-133	40	U	J Q	2.8	190	pg/g
PCB-134/143	140		C J	2.9	190	pg/g
PCB-135/151	1200		C	2.6	190	pg/g
PCB-136	350			2.0	190	pg/g
PCB-137	34		J	1.9	190	pg/g

Sealaska Environmental Services, LLC

Sample ID: KBALT02_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 020	**Work Order #....:**	MKC0Q1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.69
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.63 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**50**	**C J**	**2.5**	**190**	**pg/g**
PCB-141	**55**	**J**	**3.1**	**190**	**pg/g**
PCB-142	ND	U	3.1	190	pg/g
PCB-144	**170**	**J**	**2.6**	**190**	**pg/g**
PCB-145	**2.9** U	**J Q**	**1.9**	**190**	**pg/g**
PCB-146	**450**		**2.1**	**190**	**pg/g**
PCB-147/149	**2700**	**C**	**2.5**	**190**	**pg/g**
PCB-148	ND	U	2.6	190	pg/g
PCB-150	ND	U	1.8	190	pg/g
PCB-152	ND	U	1.8	190	pg/g
PCB-153/168	**3800**	**C B**	**1.9**	**190**	**pg/g**
PCB-154	**28**	**J**	**2.3**	**190**	**pg/g**
PCB-155	ND	U	1.8	190	pg/g
PCB-156/157	**330**	**C**	**3.3**	**39**	**pg/g**
PCB-158	**380**		**1.9**	**190**	**pg/g**
PCB-159	ND	U	2.5	190	pg/g
PCB-160	ND	U	2.9	190	pg/g
PCB-161	ND	U	2.3	190	pg/g
PCB-162	**6.3** U	**J Q**	**2.5**	**190**	**pg/g**
PCB-164	**39** U	**J Q**	**2.7**	**190**	**pg/g**
PCB-165	ND	U	2.1	190	pg/g
PCB-167	**160**		**2.3**	**19**	**pg/g**
PCB-169	ND	U	2.7	19	pg/g
PCB-170	**82**	**J**	**3.8**	**190**	**pg/g**
PCB-171/173	**290**	**C**	**3.8**	**190**	**pg/g**
PCB-172	ND	U	3.7	190	pg/g
PCB-174	ND	U	4.3	190	pg/g
PCB-175	**27** U	**J Q**	**1.8**	**190**	**pg/g**
PCB-176	**92**	**J**	**1.3**	**190**	**pg/g**
PCB-177	**590**		**3.8**	**190**	**pg/g**
PCB-178	**180**	**J**	**1.9**	**190**	**pg/g**
PCB-179	**300**		**1.4**	**190**	**pg/g**
PCB-180/193	**520**	**C**	**3.0**	**190**	**pg/g**
PCB-181	ND	U	3.3	190	pg/g
PCB-182	ND	U	1.6	190	pg/g
PCB-183	**500** J		**2.3**	**190**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: KBALT02_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 020	**Work Order #....:**	MKC0Q1AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	9.69
Prep Date....:	06/29/11	**Analysis Date....:**	07/09/11		
Prep Batch # ....:	1180072	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.63 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U	1.4	190	pg/g
PCB-185	ND	U	4.1	190	pg/g
PCB-186	ND	U	1.3	190	pg/g
PCB-187	**1200**		**1.7**	**190**	**pg/g**
PCB-188	ND	U	1.6	190	pg/g
PCB-189	**19**	**J**	**1.7**	**19**	**pg/g**
PCB-190	**87**	**J**	**2.7**	**190**	**pg/g**
PCB-191	**9.9** U	**J Q**	**2.7**	**190**	**pg/g**
PCB-192	ND	U	2.8	190	pg/g
PCB-194	**14** U	**J Q**	**2.0**	**190**	**pg/g**
PCB-195	ND	U	2.4	190	pg/g
PCB-196	ND	U	1.9	190	pg/g
PCB-197	**9.9**	**J**	**1.1**	**190**	**pg/g**
PCB-198/199	ND	U	2.0	190	pg/g
PCB-200	ND	U	2.1	190	pg/g
PCB-201	**36** U	**J Q**	**1.4**	**190**	**pg/g**
PCB-202	**65**	**J**	**1.8**	**190**	**pg/g**
PCB-203	**19** U	**J Q**	**1.9**	**190**	**pg/g**
PCB-204	ND	U	1.5	190	pg/g
PCB-205	ND	U	1.2	190	pg/g
PCB-206	ND	U	3.0	190	pg/g
PCB-207	ND	U	2.5	190	pg/g
PCB-208	ND	U	2.8	190	pg/g
PCB-209	ND	U	0.83	190	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW25_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 021	**Work Order #....:**	MKC0R3AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	07/11/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	7.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND	U	0.46	28	pg/g
PCB-2	**0.78** U	**J Q**	**0.34**	**28**	**pg/g**
PCB-3	ND	U	0.20	28	pg/g
PCB-4	ND	U	1.6	28	pg/g
PCB-5	ND	U	1.0	28	pg/g
PCB-6	ND	U	1.1	28	pg/g
PCB-7	ND	U	1.0	28	pg/g
PCB-8	**2.0** U	**J Q**	**1.0**	**28**	**pg/g**
PCB-9	ND	U	1.2	28	pg/g
PCB-10	ND	U	1.0	28	pg/g
PCB-11	**11** U	**J Q B**	**1.0**	**28**	**pg/g**
PCB-12/13	ND	U	1.0	28	pg/g
PCB-14	ND	U	0.88	28	pg/g
PCB-15	ND	U	0.93	28	pg/g
PCB-16	**1.8** U	**J Q B**	**0.42**	**28**	**pg/g**
PCB-17	**1.4** U	**J B**	**0.33**	**28**	**pg/g**
PCB-18/30	**2.7** U	**C J B**	**0.28**	**28**	**pg/g**
PCB-19	ND	U	0.55	28	pg/g
PCB-20/28	**9.1** U	**C J B**	**0.41**	**28**	**pg/g**
PCB-21/33	**2.9** U	**C J B**	**0.40**	**28**	**pg/g**
PCB-22	**2.3** U	**J B**	**0.43**	**28**	**pg/g**
PCB-23	ND	U	0.41	28	pg/g
PCB-24	ND	U	0.25	28	pg/g
PCB-25	ND	U	0.40	28	pg/g
PCB-26/29	**1.5** U	**C J B**	**0.40**	**28**	**pg/g**
PCB-27	ND	U	0.24	28	pg/g
PCB-31	**7.5** U	**J B**	**0.39**	**28**	**pg/g**
PCB-32	**1.0** U	**J B**	**0.22**	**28**	**pg/g**
PCB-34	ND	U	0.41	28	pg/g
PCB-35	ND	U	0.44	28	pg/g
PCB-36	ND	U	0.39	28	pg/g
PCB-37	**1.5** U	**J B**	**0.38**	**28**	**pg/g**
PCB-38	ND	U	0.42	28	pg/g
PCB-39	ND	U	0.38	28	pg/g
PCB-40/71	**6.6** U	**C J B**	**0.25**	**28**	**pg/g**
PCB-41	ND	U	0.30	28	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW25_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 021	**Work Order #....:**	MKC0R3AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	07/11/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	7.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	**3.3**	U	**J B**	**0.27**	**28**	**pg/g**
PCB-43	ND		U	0.30	28	pg/g
PCB-45	ND		U	0.29	28	pg/g
PCB-46	ND		U	0.31	28	pg/g
PCB-44/47/65	**20**	U	**C J B**	**0.24**	**28**	**pg/g**
PCB-48	**2.6**	U	**J B**	**0.26**	**28**	**pg/g**
PCB-49/69	**13**	U	**C J B**	**0.21**	**28**	**pg/g**
PCB-50/53	**1.4**	U	**C J B**	**0.25**	**28**	**pg/g**
PCB-51	ND		U	0.25	28	pg/g
PCB-52	**49**		**B**	**0.26**	**28**	**pg/g**
PCB-54	ND		U	0.20	28	pg/g
PCB-55	ND		U	0.43	28	pg/g
PCB-56	**5.5**		**J B**	**0.45**	**28**	**pg/g**
PCB-57	ND		U	0.43	28	pg/g
PCB-58	ND		U	0.41	28	pg/g
PCB-59/62/75	**1.6**		**C J**	**0.18**	**28**	**pg/g**
PCB-60	**3.2**	U	**J Q**	**0.44**	**28**	**pg/g**
PCB-61/70/74/76	**58**		**C B**	**0.41**	**28**	**pg/g**
PCB-63	ND		U	0.39	28	pg/g
PCB-64	**4.7**	U	**J B**	**0.18**	**28**	**pg/g**
PCB-66	**20**	U	**J Q B**	**0.44**	**28**	**pg/g**
PCB-67	ND		U	0.40	28	pg/g
PCB-68	**0.65**	U	**J Q**	**0.38**	**28**	**pg/g**
PCB-72	ND		U	0.41	28	pg/g
PCB-73	ND		U	0.20	28	pg/g
PCB-77	**2.1**		**J**	**0.43**	**2.8**	**pg/g**
PCB-78	ND		U	0.44	28	pg/g
PCB-79	**0.94**	U	**J Q**	**0.38**	**28**	**pg/g**
PCB-80	ND		U	0.37	28	pg/g
PCB-81	ND		U	0.41	2.8	pg/g
PCB-82	**12**		**J**	**0.77**	**28**	**pg/g**
PCB-83	**9.5**	J	**J**	**0.71**	**28**	**pg/g**
PCB-84	**25**		**J**	**0.76**	**28**	**pg/g**
PCB-85/116/117	**25**		**C J B**	**0.53**	**28**	**pg/g**
PCB-86/87/97/108/119/125	**100**		**C**	**0.55**	**28**	**pg/g**
PCB-88/91	**11**		**C J**	**0.64**	**28**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW25_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 021	**Work Order #....:**	MKC0R3AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	07/11/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	7.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	**1.2** U	**J Q**	**0.69**	**28**	**pg/g**
PCB-90/101/113	**350**	**C B**	**0.56**	**28**	**pg/g**
PCB-92	**55**		**0.66**	**28**	**pg/g**
PCB-93/100	**0.65** U	**C J Q**	**0.63**	**28**	**pg/g**
PCB-94	ND	U	0.70	28	pg/g
PCB-95	**180**	**B**	**0.65**	**28**	**pg/g**
PCB-96	ND	U	0.13	28	pg/g
PCB-98/102	**7.9**	**C J**	**0.63**	**28**	**pg/g**
PCB-99	**140** J		**0.65**	**28**	**pg/g**
PCB-103	**5.6**	**J**	**0.59**	**28**	**pg/g**
PCB-104	ND	U	0.12	28	pg/g
PCB-105	**62**		**0.51**	**2.8**	**pg/g**
PCB-106	ND	U	0.56	28	pg/g
PCB-109	**15**	**J**	**0.38**	**28**	**pg/g**
PCB-107/124	**8.6**	**C J**	**0.49**	**28**	**pg/g**
PCB-110/115	**200**	**C**	**0.48**	**28**	**pg/g**
PCB-111	ND	U	0.46	28	pg/g
PCB-112	ND	U	0.46	28	pg/g
PCB-114	**2.0**	**J**	**0.53**	**2.8**	**pg/g**
PCB-118	**220**	**B**	**0.47**	**2.8**	**pg/g**
PCB-120	**2.0** U	**J Q**	**0.46**	**28**	**pg/g**
PCB-121	ND	U	0.46	28	pg/g
PCB-122	**1.1** U	**J Q**	**0.54**	**28**	**pg/g**
PCB-123	**2.5** U	**J Q**	**0.51**	**2.8**	**pg/g**
PCB-126	**1.7**	**J**	**0.61**	**2.8**	**pg/g**
PCB-127	ND	U	0.47	28	pg/g
PCB-128/166	**88**	**C**	**0.46**	**28**	**pg/g**
PCB-129/138/163	**1300**	**C B**	**0.45**	**28**	**pg/g**
PCB-130	**61**		**0.62**	**28**	**pg/g**
PCB-131	**8.0**	**J**	**0.57**	**28**	**pg/g**
PCB-132	**240**		**0.58**	**28**	**pg/g**
PCB-133	**24**	**J**	**0.57**	**28**	**pg/g**
PCB-134/143	**48**	**C**	**0.59**	**28**	**pg/g**
PCB-135/151	**530**	**C**	**0.53**	**28**	**pg/g**
PCB-136	**120**		**0.40**	**28**	**pg/g**
PCB-137	**4.7**	**J**	**0.39**	**28**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW25_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 021	**Work Order #....:**	MKC0R3AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	07/11/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	7.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**11**	**C J**	**0.51**	**28**	**pg/g**
PCB-141	**38**		**0.63**	**28**	**pg/g**
PCB-142	ND	U	0.64	28	pg/g
PCB-144	**71**		**0.52**	**28**	**pg/g**
PCB-145	ND	U	0.39	28	pg/g
PCB-146	**250**		**0.43**	**28**	**pg/g**
PCB-147/149	**1100**	**C B**	**0.51**	**28**	**pg/g**
PCB-148	**2.4** U	**J Q**	**0.53**	**28**	**pg/g**
PCB-150	ND	U	0.37	28	pg/g
PCB-152	ND	U	0.37	28	pg/g
PCB-153/168	**1700**	**C B**	**0.39**	**28**	**pg/g**
PCB-154	**21**	**J**	**0.47**	**28**	**pg/g**
PCB-155	ND	U	0.31	28	pg/g
PCB-156/157	**55**	**C**	**0.74**	**5.7**	**pg/g**
PCB-158	**100**		**0.38**	**28**	**pg/g**
PCB-159	ND	U	0.51	28	pg/g
PCB-160	ND	U	0.59	28	pg/g
PCB-161	ND	U	0.47	28	pg/g
PCB-162	**3.7**	**J**	**0.52**	**28**	**pg/g**
PCB-164	**24**	**J**	**0.55**	**28**	**pg/g**
PCB-165	ND	U	0.44	28	pg/g
PCB-167	**48**		**0.46**	**2.8**	**pg/g**
PCB-169	ND	U	0.64	2.8	pg/g
PCB-170	**35** J		**0.70**	**28**	**pg/g**
PCB-171/173	**180**	**C**	**0.69**	**28**	**pg/g**
PCB-172	**7.5**	**J**	**0.68**	**28**	**pg/g**
PCB-174	**18**	**J**	**0.78**	**28**	**pg/g**
PCB-175	**25**	**J**	**0.30**	**28**	**pg/g**
PCB-176	**73**		**0.21**	**28**	**pg/g**
PCB-177	**410**		**0.70**	**28**	**pg/g**
PCB-178	**160**		**0.32**	**28**	**pg/g**
PCB-179	**260**		**0.24**	**28**	**pg/g**
PCB-180/193	**170**	**C**	**0.55**	**28**	**pg/g**
PCB-181	ND UJ	U	0.60	28	pg/g
PCB-182	ND UJ	U	0.27	28	pg/g
PCB-183	**320** J		**0.43**	**28**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW25_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 021	**Work Order #....:**	MKC0R3AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	07/11/11	**Analysis Date....:**	07/12/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	7.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	**0.76**	J	**J Q**	**0.23**	**28**	**pg/g**
PCB-185	ND	UJ	U	0.76	28	pg/g
PCB-186	ND	UJ	U	0.22	28	pg/g
PCB-187	**850**	J		**0.28**	**28**	**pg/g**
PCB-188	**0.74**		**J**	**0.20**	**28**	**pg/g**
PCB-189	**13**			**0.53**	**2.8**	**pg/g**
PCB-190	**49**			**0.49**	**28**	**pg/g**
PCB-191	**7.0**		**J Q**	**0.49**	**28**	**pg/g**
PCB-192	ND	UJ	U	0.52	28	pg/g
PCB-194	**12**	J	**J**	**0.35**	**28**	**pg/g**
PCB-195	**6.6**		**J**	**0.40**	**28**	**pg/g**
PCB-196	**6.4**		**J**	**0.30**	**28**	**pg/g**
PCB-197	**4.5**		**J Q**	**0.17**	**28**	**pg/g**
PCB-198/199	**12**		**C J**	**0.32**	**28**	**pg/g**
PCB-200	ND	UJ	U	0.32	28	pg/g
PCB-201	**47**	J		**0.22**	**28**	**pg/g**
PCB-202	**51**			**0.18**	**28**	**pg/g**
PCB-203	**23**		**J**	**0.31**	**28**	**pg/g**
PCB-204	ND	UJ	U	0.23	28	pg/g
PCB-205	**2.2**	~~J~~	**J**	**0.41**	**28**	**pg/g**
PCB-206	**3.4**	U	**J Q**	**0.72**	**28**	**pg/g**
PCB-207	**0.84**	J	**J Q**	**0.40**	**28**	**pg/g**
PCB-208	**1.8**	J	**J**	**0.36**	**28**	**pg/g**
PCB-209	**3.8**	U	**J Q**	**0.20**	**28**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW25_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 021	**Work Order #....:**	MKC0R2AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	14.24
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	7.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND R	U	1.8	280	pg/g
PCB-2	ND	U	2.0	280	pg/g
PCB-3	ND	U	2.0	280	pg/g
PCB-4	ND	U	18	280	pg/g
PCB-5	ND	U	12	280	pg/g
PCB-6	ND	U	13	280	pg/g
PCB-7	ND	U	12	280	pg/g
PCB-8	ND	U	13	280	pg/g
PCB-9	ND	U	14	280	pg/g
PCB-10	ND	U	14	280	pg/g
PCB-11	ND	U	12	280	pg/g
PCB-12/13	ND	U	12	280	pg/g
PCB-14	ND	U	11	280	pg/g
PCB-15	ND	U	12	280	pg/g
PCB-16	ND	U	3.6	280	pg/g
PCB-17	ND	U	2.8	280	pg/g
PCB-18/30	ND	U	2.4	280	pg/g
PCB-19	ND	U	3.3	280	pg/g
PCB-20/28	**7.4**	**C J B**	**2.8**	**280**	**pg/g**
PCB-21/33	ND	U	2.7	280	pg/g
PCB-22	ND	U	2.9	280	pg/g
PCB-23	ND	U	2.8	280	pg/g
PCB-24	ND	U	2.2	280	pg/g
PCB-25	ND	U	2.7	280	pg/g
PCB-26/29	ND	U	2.7	280	pg/g
PCB-27	ND	U	2.1	280	pg/g
PCB-31	**4.8**	**J B**	**2.7**	**280**	**pg/g**
PCB-32	ND	U	1.9	280	pg/g
PCB-34	ND	U	2.8	280	pg/g
PCB-35	ND	U	3.0	280	pg/g
PCB-36	ND	U	2.7	280	pg/g
PCB-37	ND	U	3.0	280	pg/g
PCB-38	ND	U	2.9	280	pg/g
PCB-39	ND	U	2.6	280	pg/g
PCB-40/71	**7.4**	**C J B**	**2.6**	**280**	**pg/g**
PCB-41	ND ✓	U	3.1	280	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW25_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 021	**Work Order #....:**	MKC0R2AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	14.24
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	7.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	ND R	U	2.8	280	pg/g
PCB-43	ND	U	3.1	280	pg/g
PCB-45	ND	U	3.0	280	pg/g
PCB-46	ND	U	3.2	280	pg/g
PCB-44/47/65	**19**	**C J B**	**2.4**	**280**	**pg/g**
PCB-48	ND	U	2.6	280	pg/g
PCB-49/69	**12**	**C J Q B**	**2.1**	**280**	**pg/g**
PCB-50/53	ND	U	2.6	280	pg/g
PCB-51	ND	U	2.5	280	pg/g
PCB-52	**41**	**J B**	**2.7**	**280**	**pg/g**
PCB-54	ND	U	1.3	280	pg/g
PCB-55	ND	U	2.7	280	pg/g
PCB-56	ND	U	2.8	280	pg/g
PCB-57	ND	U	2.7	280	pg/g
PCB-58	ND	U	2.6	280	pg/g
PCB-59/62/75	ND	U	1.9	280	pg/g
PCB-60	ND	U	2.8	280	pg/g
PCB-61/70/74/76	**48**	**C J B**	**2.6**	**280**	**pg/g**
PCB-63	ND	U	2.5	280	pg/g
PCB-64	**4.9**	**J Q B**	**1.8**	**280**	**pg/g**
PCB-66	**17**	**J B**	**2.7**	**280**	**pg/g**
PCB-67	ND	U	2.5	280	pg/g
PCB-68	ND	U	2.4	280	pg/g
PCB-72	ND	U	2.6	280	pg/g
PCB-73	ND	U	2.0	280	pg/g
PCB-77	ND	U	3.0	28	pg/g
PCB-78	ND	U	2.8	280	pg/g
PCB-79	ND	U	2.4	280	pg/g
PCB-80	ND	U	2.4	280	pg/g
PCB-81	ND	U	3.2	28	pg/g
PCB-82	ND	U	7.7	280	pg/g
PCB-83	**26**	**J Q**	**7.0**	**280**	**pg/g**
PCB-84	**12**	**J Q**	**7.6**	**280**	**pg/g**
PCB-85/116/117	**23**	**C J B**	**5.2**	**280**	**pg/g**
PCB-86/87/97/108/119/125	**96**	**C J**	**5.4**	**280**	**pg/g**
PCB-88/91	ND	U	6.4	280	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW25_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 021	**Work Order #....:**	MKC0R2AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	14.24
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	7.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND R	U	6.8	280	pg/g
PCB-90/101/113	**330**	**C B**	**5.5**	**280**	**pg/g**
PCB-92	**56**	**J**	**6.6**	**280**	**pg/g**
PCB-93/100	ND	U	6.3	280	pg/g
PCB-94	ND	U	6.9	280	pg/g
PCB-95	**180**	**J B**	**6.5**	**280**	**pg/g**
PCB-96	ND	U	2.1	280	pg/g
PCB-98/102	**14**	**C J**	**6.3**	**280**	**pg/g**
PCB-99	**130**	**J**	**6.4**	**280**	**pg/g**
PCB-103	ND	U	5.9	280	pg/g
PCB-104	ND	U	1.5	280	pg/g
PCB-105	**73**		**6.0**	**28**	**pg/g**
PCB-106	ND	U	5.6	280	pg/g
PCB-109	**6.4**	**J Q**	**3.8**	**280**	**pg/g**
PCB-107/124	**10**	**C J**	**4.9**	**280**	**pg/g**
PCB-110/115	**210**	**C J**	**4.8**	**280**	**pg/g**
PCB-111	ND	U	4.6	280	pg/g
PCB-112	ND	U	4.6	280	pg/g
PCB-114	ND	U	4.9	28	pg/g
PCB-118	**230**	**B**	**4.9**	**28**	**pg/g**
PCB-120	ND	U	4.6	280	pg/g
PCB-121	ND	U	4.6	280	pg/g
PCB-122	ND	U	5.3	280	pg/g
PCB-123	ND	U	5.1	28	pg/g
PCB-126	ND	U	5.5	28	pg/g
PCB-127	ND	U	4.7	280	pg/g
PCB-128/166	**92**	**C J Q**	**3.3**	**280**	**pg/g**
PCB-129/138/163	**1200**	**C B**	**3.2**	**280**	**pg/g**
PCB-130	**44**	**J Q**	**4.4**	**280**	**pg/g**
PCB-131	ND	U	4.1	280	pg/g
PCB-132	**210**	**J**	**4.1**	**280**	**pg/g**
PCB-133	**14**	**J Q**	**4.0**	**280**	**pg/g**
PCB-134/143	**40**	**C J Q**	**4.2**	**280**	**pg/g**
PCB-135/151	**460**	**C**	**3.8**	**280**	**pg/g**
PCB-136	**110**	**J**	**2.8**	**280**	**pg/g**
PCB-137	**11**	**J Q**	**2.8**	**280**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW25_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 021	**Work Order #....:**	MKC0R2AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	14.24
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	7.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	ND R	U	3.6	280	pg/g
PCB-141	**21**	**J Q**	**4.5**	**280**	**pg/g**
PCB-142	ND	U	4.5	280	pg/g
PCB-144	**63**	**J**	**3.7**	**280**	**pg/g**
PCB-145	ND	U	2.8	280	pg/g
PCB-146	**210**	**J**	**3.0**	**280**	**pg/g**
PCB-147/149	**980**	**C B**	**3.6**	**280**	**pg/g**
PCB-148	ND	U	3.7	280	pg/g
PCB-150	ND	U	2.6	280	pg/g
PCB-152	ND	U	2.7	280	pg/g
PCB-153/168	**1500**	**C B**	**2.7**	**280**	**pg/g**
PCB-154	ND	U	3.3	280	pg/g
PCB-155	ND	U	2.4	280	pg/g
PCB-156/157	**61**	**C**	**4.8**	**57**	**pg/g**
PCB-158	**93**	**J**	**2.7**	**280**	**pg/g**
PCB-159	ND	U	3.4	280	pg/g
PCB-160	ND	U	4.2	280	pg/g
PCB-161	ND	U	3.3	280	pg/g
PCB-162	ND	U	3.5	280	pg/g
PCB-164	ND	U	3.9	280	pg/g
PCB-165	ND	U	3.1	280	pg/g
PCB-167	**50**		**3.6**	**28**	**pg/g**
PCB-169	ND	U	3.4	28	pg/g
PCB-170	**67**	**J**	**6.1**	**280**	**pg/g**
PCB-171/173	**180**	**C J**	**6.0**	**280**	**pg/g**
PCB-172	ND	U	5.9	280	pg/g
PCB-174	**14**	**J Q**	**6.8**	**280**	**pg/g**
PCB-175	**17**	**J Q**	**3.0**	**280**	**pg/g**
PCB-176	**68**	**J**	**2.1**	**280**	**pg/g**
PCB-177	**410**		**6.1**	**280**	**pg/g**
PCB-178	**150**	**J**	**3.1**	**280**	**pg/g**
PCB-179	**240**	**J**	**2.3**	**280**	**pg/g**
PCB-180/193	**450**	**C**	**4.8**	**280**	**pg/g**
PCB-181	ND	U	5.2	280	pg/g
PCB-182	ND	U	2.7	280	pg/g
PCB-183	**290**		**3.7**	**280**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW25_061811

Trace Level Organic Compounds

EPA-22 I668A

Lot - Sample #....:	G1F200419 - 021	**Work Order #....:**	MKC0R2AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	14.24
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	7.02 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND R	U	2.3	280	pg/g
PCB-185	ND	U	6.6	280	pg/g
PCB-186	ND	U	2.2	280	pg/g
PCB-187	**930**		**2.8**	**280**	**pg/g**
PCB-188	ND	U	2.3	280	pg/g
PCB-189	**15**	**J Q**	**3.6**	**28**	**pg/g**
PCB-190	**62**	**J**	**4.3**	**280**	**pg/g**
PCB-191	**9.0**	**J**	**4.3**	**280**	**pg/g**
PCB-192	ND	U	4.6	280	pg/g
PCB-194	**21**	**J Q**	**2.8**	**280**	**pg/g**
PCB-195	ND	U	3.2	280	pg/g
PCB-196	ND	U	2.7	280	pg/g
PCB-197	**9.2**	**J Q**	**1.5**	**280**	**pg/g**
PCB-198/199	ND	U	2.9	280	pg/g
PCB-200	ND	U	2.9	280	pg/g
PCB-201	**37**	**J**	**2.0**	**280**	**pg/g**
PCB-202	**51**	**J**	**2.3**	**280**	**pg/g**
PCB-203	**28**	**J**	**2.7**	**280**	**pg/g**
PCB-204	ND	U	2.1	280	pg/g
PCB-205	ND	U	1.8	280	pg/g
PCB-206	ND	U	4.4	280	pg/g
PCB-207	ND	U	3.8	280	pg/g
PCB-208	ND	U	4.4	280	pg/g
PCB-209	**5.4**	**J Q**	**1.6**	**280**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW26/27_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 022	**Work Order #....:**	MKC0V2AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT			ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-1	ND		U	1.4	200	pg/g
PCB-2	ND		U	1.5	200	pg/g
PCB-3	ND		U	1.4	200	pg/g
PCB-4	ND		U	9.8	200	pg/g
PCB-5	ND		U	5.8	200	pg/g
PCB-6	ND		U	6.0	200	pg/g
PCB-7	ND		U	5.7	200	pg/g
PCB-8	ND		U	5.9	200	pg/g
PCB-9	ND		U	6.5	200	pg/g
PCB-10	ND		U	7.3	200	pg/g
PCB-11	ND		U	5.8	200	pg/g
PCB-12/13	ND		U	5.8	200	pg/g
PCB-14	ND		U	5.0	200	pg/g
PCB-15	ND		U	5.7	200	pg/g
PCB-16	ND		U	2.3	200	pg/g
PCB-17	ND		U	1.9	200	pg/g
PCB-18/30	**3.9**	U	**C J B**	**1.6**	**200**	**pg/g**
PCB-19	ND		U	2.2	200	pg/g
PCB-20/28	**8.4**	U	**C J B**	**1.6**	**200**	**pg/g**
PCB-21/33	**3.6**	U	**C J B**	**1.5**	**200**	**pg/g**
PCB-22	ND		U	1.7	200	pg/g
PCB-23	ND		U	1.6	200	pg/g
PCB-24	ND		U	1.4	200	pg/g
PCB-25	ND		U	1.6	200	pg/g
PCB-26/29	ND		U	1.5	200	pg/g
PCB-27	ND		U	1.3	200	pg/g
PCB-31	**3.8**	U	**J Q B**	**1.5**	**200**	**pg/g**
PCB-32	ND		U	1.3	200	pg/g
PCB-34	ND		U	1.6	200	pg/g
PCB-35	ND		U	1.7	200	pg/g
PCB-36	ND		U	1.5	200	pg/g
PCB-37	ND		U	1.7	200	pg/g
PCB-38	ND		U	1.6	200	pg/g
PCB-39	ND		U	1.5	200	pg/g
PCB-40/71	**12**	U	**C J B**	**2.3**	**200**	**pg/g**
PCB-41	ND		U	2.8	200	pg/g

Sealaska Environmental Services, LLC

Sample ID: SW26/27_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 022	**Work Order #....:**	MKC0V2AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-42	ND	U	2.5	200	pg/g
PCB-43	ND	U	2.8	200	pg/g
PCB-45	ND	U	2.7	200	pg/g
PCB-46	ND	U	2.9	200	pg/g
PCB-44/47/65	**28** U	**C J B**	**2.2**	**200**	**pg/g**
PCB-48	**4.6** U	**J Q B**	**2.4**	**200**	**pg/g**
PCB-49/69	**19**	**C J B**	**1.9**	**200**	**pg/g**
PCB-50/53	ND	U	2.3	200	pg/g
PCB-51	ND	U	2.3	200	pg/g
PCB-52	**67**	**J B**	**2.4**	**200**	**pg/g**
PCB-54	ND	U	0.96	200	pg/g
PCB-55	ND	U	2.2	200	pg/g
PCB-56	**10**	**J B**	**2.2**	**200**	**pg/g**
PCB-57	ND	U	2.1	200	pg/g
PCB-58	ND	U	2.1	200	pg/g
PCB-59/62/75	ND	U	1.7	200	pg/g
PCB-60	**6.6**	**J**	**2.2**	**200**	**pg/g**
PCB-61/70/74/76	**60** U	**C J Q B**	**2.1**	**200**	**pg/g**
PCB-63	ND	U	1.9	200	pg/g
PCB-64	**7.0** U	**J Q B**	**1.6**	**200**	**pg/g**
PCB-66	**23** U	**J Q B**	**2.2**	**200**	**pg/g**
PCB-67	ND	U	2.0	200	pg/g
PCB-68	ND	U	1.9	200	pg/g
PCB-72	ND	U	2.0	200	pg/g
PCB-73	ND	U	1.8	200	pg/g
PCB-77	**4.2**	**J**	**2.6**	**20**	**pg/g**
PCB-78	ND	U	2.2	200	pg/g
PCB-79	ND	U	1.9	200	pg/g
PCB-80	ND	U	1.9	200	pg/g
PCB-81	ND	U	2.2	20	pg/g
PCB-82	**20** U	**J Q**	**4.0**	**200**	**pg/g**
PCB-83	**56** J	**J**	**3.7**	**200**	**pg/g**
PCB-84	**52**	**J**	**4.0**	**200**	**pg/g**
PCB-85/116/117	**43**	**C J B**	**2.7**	**200**	**pg/g**
PCB-86/87/97/108/119/125	**210**	**C**	**2.8**	**200**	**pg/g**
PCB-88/91	**22**	**C J**	**3.3**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW26/27_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 022	**Work Order #....:**	MKC0V2AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-89	ND	U	3.6	200	pg/g
PCB-90/101/113	**790**	**C B**	**2.9**	**200**	**pg/g**
PCB-92	**130**	**J**	**3.4**	**200**	**pg/g**
PCB-93/100	ND	U	3.3	200	pg/g
PCB-94	ND	U	3.6	200	pg/g
PCB-95	**420**	**B**	**3.4**	**200**	**pg/g**
PCB-96	ND	U	1.0	200	pg/g
PCB-98/102	**28**	**C J**	**3.3**	**200**	**pg/g**
PCB-99	**260** J		**3.4**	**200**	**pg/g**
PCB-103	**16**	**J**	**3.1**	**200**	**pg/g**
PCB-104	ND	U	0.77	200	pg/g
PCB-105	**120**		**3.0**	**20**	**pg/g**
PCB-106	ND	U	2.9	200	pg/g
PCB-109	**33** U	**J Q**	**2.0**	**200**	**pg/g**
PCB-107/124	**17**	**C J**	**2.6**	**200**	**pg/g**
PCB-110/115	**450**	**C**	**2.5**	**200**	**pg/g**
PCB-111	ND	U	2.4	200	pg/g
PCB-112	ND	U	2.4	200	pg/g
PCB-114	ND	U	2.5	20	pg/g
PCB-118	**440**	**B**	**2.6**	**20**	**pg/g**
PCB-120	**6.8**	**J**	**2.4**	**200**	**pg/g**
PCB-121	ND	U	2.4	200	pg/g
PCB-122	ND	U	2.8	200	pg/g
PCB-123	**6.7**	**J**	**2.7**	**20**	**pg/g**
PCB-126	ND	U	3.0	20	pg/g
PCB-127	ND	U	2.5	200	pg/g
PCB-128/166	**250**	**C**	**2.1**	**200**	**pg/g**
PCB-129/138/163	**2900**	**C B**	**2.1**	**200**	**pg/g**
PCB-130	**140**	**J**	**2.9**	**200**	**pg/g**
PCB-131	**16**	**J**	**2.7**	**200**	**pg/g**
PCB-132	**590**		**2.7**	**200**	**pg/g**
PCB-133	**57**	**J**	**2.6**	**200**	**pg/g**
PCB-134/143	**96**	**C J**	**2.7**	**200**	**pg/g**
PCB-135/151	**1200**	**C**	**2.4**	**200**	**pg/g**
PCB-136	**290**		**1.9**	**200**	**pg/g**
PCB-137	**6.7** U	**J Q**	**1.8**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW26/27_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 022	**Work Order #....:**	MKC0V2AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-139/140	**24**	**C J**	**2.3**	**200**	**pg/g**
PCB-141	**78**	**J**	**2.9**	**200**	**pg/g**
PCB-142	ND	U	3.0	200	pg/g
PCB-144	**160**	**J**	**2.4**	**200**	**pg/g**
PCB-145	ND	U	1.8	200	pg/g
PCB-146	**530**		**2.0**	**200**	**pg/g**
PCB-147/149	**2500**	**C B**	**2.4**	**200**	**pg/g**
PCB-148	ND	U	2.4	200	pg/g
PCB-150	ND	U	1.7	200	pg/g
PCB-152	ND	U	1.7	200	pg/g
PCB-153/168	**3800**	**C B**	**1.8**	**200**	**pg/g**
PCB-154	**56**	**J**	**2.2**	**200**	**pg/g**
PCB-155	ND	U	1.6	200	pg/g
PCB-156/157	**120**	**C**	**2.7**	**40**	**pg/g**
PCB-158	**240**		**1.8**	**200**	**pg/g**
PCB-159	ND	U	2.0	200	pg/g
PCB-160	ND	U	2.7	200	pg/g
PCB-161	ND	U	2.2	200	pg/g
PCB-162	**12**	**J**	**2.0**	**200**	**pg/g**
PCB-164	**47**	**J**	**2.5**	**200**	**pg/g**
PCB-165	ND	U	2.0	200	pg/g
PCB-167	**110**		**1.9**	**20**	**pg/g**
PCB-169	ND	U	2.1	20	pg/g
PCB-170	**180**	**J**	**2.8**	**200**	**pg/g**
PCB-171/173	**430**	**C**	**2.8**	**200**	**pg/g**
PCB-172	ND	U	2.8	200	pg/g
PCB-174	**18**	**J**	**3.2**	**200**	**pg/g**
PCB-175	**58**	**J**	**1.7**	**200**	**pg/g**
PCB-176	**160**	**J**	**1.2**	**200**	**pg/g**
PCB-177	**940**		**2.8**	**200**	**pg/g**
PCB-178	**340**		**1.7**	**200**	**pg/g**
PCB-179	**570**		**1.3**	**200**	**pg/g**
PCB-180/193	**1100**	**C**	**2.2**	**200**	**pg/g**
PCB-181	ND	U	2.4	200	pg/g
PCB-182	ND	U	1.5	200	pg/g
PCB-183	**710** J		**1.7**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: SW26/27_061811

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 022	**Work Order #....:**	MKC0V2AA	**Matrix....:**	TA
Date Sampled....:	06/18/11	**Date Received....:**	06/20/11	**Dilution Factor:**	10
Prep Date....:	07/11/11	**Analysis Date....:**	07/13/11		
Prep Batch # ....:	1192101	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	10 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-184	ND	U	1.3	200	pg/g
PCB-185	ND	U	3.1	200	pg/g
PCB-186	ND	U	1.2	200	pg/g
PCB-187	**2200**		**1.6**	**200**	**pg/g**
PCB-188	ND	U	1.2	200	pg/g
PCB-189	**33**		**2.0**	**20**	**pg/g**
PCB-190	**140**	**J**	**2.0**	**200**	**pg/g**
PCB-191	**18**	**J**	**2.0**	**200**	**pg/g**
PCB-192	ND	U	2.1	200	pg/g
PCB-194	**50**	**J**	**1.5**	**200**	**pg/g**
PCB-195	ND	U	1.7	200	pg/g
PCB-196	**12**	**J**	**1.3**	**200**	**pg/g**
PCB-197	**18**	**J**	**0.74**	**200**	**pg/g**
PCB-198/199	**11** U	**C J Q**	**1.4**	**200**	**pg/g**
PCB-200	ND	U	1.4	200	pg/g
PCB-201	**77**	**J**	**0.97**	**200**	**pg/g**
PCB-202	**110**	**J**	**1.1**	**200**	**pg/g**
PCB-203	**59**	**J**	**1.3**	**200**	**pg/g**
PCB-204	ND	U	1.0	200	pg/g
PCB-205	**4.4** U	**J Q**	**0.95**	**200**	**pg/g**
PCB-206	**8.0** U	**J Q**	**2.8**	**200**	**pg/g**
PCB-207	ND	U	2.3	200	pg/g
PCB-208	ND	U	2.5	200	pg/g
PCB-209	**4.3** U	**J Q**	**0.91**	**200**	**pg/g**

Sealaska Environmental Services, LLC

Sample ID: Rinse Blank

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 023	**Work Order #....:**	MKC142AA	**Matrix....:**	WH
Date Sampled....:	06/20/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	07/11/11	**Analysis Date....:**	07/12/11	**Percent Moisture:**	
Prep Batch # ....:	1194174	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.16 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-45	ND	U	0.090	9.9	pg/g
PCB-54	ND	U	0.050	9.9	pg/g
PCB-80	ND	U	0.055	9.9	pg/g
PCB-106	ND	U	0.092	9.9	pg/g
PCB-120	ND	U	0.075	9.9	pg/g
PCB-139/140	ND	U	0.059	9.9	pg/g
PCB-32	ND	U	0.065	9.9	pg/g
PCB-50/53	ND	U	0.077	9.9	pg/g
PCB-96	ND	U	0.040	9.9	pg/g
PCB-109	ND	U	0.063	9.9	pg/g
PCB-122	ND	U	0.088	9.9	pg/g
PCB-126	ND	U	0.086	0.99	pg/g
PCB-190	ND	U	0.056	9.9	pg/g
PCB-8	ND	U	0.32	9.9	pg/g
PCB-16	ND	U	0.12	9.9	pg/g
PCB-3	ND	U	0.074	9.9	pg/g
PCB-27	ND	U	0.070	9.9	pg/g
PCB-36	ND	U	0.084	9.9	pg/g
PCB-59/62/75	ND	U	0.057	9.9	pg/g
PCB-121	ND	U	0.075	9.9	pg/g
PCB-10	ND	U	0.34	9.9	pg/g
PCB-11	**1.9** U	**J Q B**	**0.32**	**9.9**	**pg/g**
PCB-40/71	ND	U	0.077	9.9	pg/g
PCB-46	ND	U	0.096	9.9	pg/g
PCB-60	ND	U	0.065	9.9	pg/g
PCB-64	ND	U	0.054	9.9	pg/g
PCB-93/100	ND	U	0.10	9.9	pg/g
PCB-98/102	ND	U	0.10	9.9	pg/g
PCB-162	ND	U	0.043	9.9	pg/g
PCB-170	ND	U	0.079	9.9	pg/g
PCB-176	ND	U	0.044	9.9	pg/g
PCB-195	ND	U	0.065	9.9	pg/g
PCB-198/199	ND	U	0.044	9.9	pg/g
PCB-21/33	**0.21** U	**C J B**	**0.085**	**9.9**	**pg/g**
PCB-44/47/65	**0.84** U	**C J B**	**0.073**	**9.9**	**pg/g**
PCB-181	ND	U	0.068	9.9	pg/g

Sealaska Environmental Services, LLC

Sample ID: Rinse Blank

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 023	**Work Order #....:**	MKC142AA	**Matrix....:**	WH
Date Sampled....:	06/20/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	07/11/11	**Analysis Date....:**	07/12/11	**Percent Moisture:**	
Prep Batch # ....:	1194174	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.16 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-186	ND	U	0.046	9.9	pg/g
PCB-188	ND	U	0.049	9.9	pg/g
PCB-196	ND	U	0.041	9.9	pg/g
PCB-134/143	ND	U	0.069	9.9	pg/g
PCB-161	ND	U	0.054	9.9	pg/g
PCB-203	ND	U	0.042	9.9	pg/g
PCB-49/69	ND	U	0.064	9.9	pg/g
PCB-83	ND	U	0.12	9.9	pg/g
PCB-136	ND	U	0.047	9.9	pg/g
PCB-172	ND	U	0.077	9.9	pg/g
PCB-174	ND	U	0.088	9.9	pg/g
PCB-187	ND	U	0.059	9.9	pg/g
PCB-189	ND	U	0.061	0.99	pg/g
PCB-41	ND	U	0.093	9.9	pg/g
PCB-88/91	ND	U	0.10	9.9	pg/g
PCB-111	ND	U	0.076	9.9	pg/g
PCB-154	ND	U	0.055	9.9	pg/g
PCB-180/193	ND	U	0.062	9.9	pg/g
PCB-191	ND	U	0.056	9.9	pg/g
PCB-4	ND	U	0.49	9.9	pg/g
PCB-7	ND	U	0.31	9.9	pg/g
PCB-23	ND	U	0.088	9.9	pg/g
PCB-48	ND	U	0.079	9.9	pg/g
PCB-56	ND	U	0.066	9.9	pg/g
PCB-61/70/74/76	**0.41** U	**C J Q B**	**0.061**	**9.9**	**pg/g**
PCB-63	ND	U	0.058	9.9	pg/g
PCB-78	ND	U	0.065	9.9	pg/g
PCB-89	ND	U	0.11	9.9	pg/g
PCB-99	ND	U	0.11	9.9	pg/g
PCB-112	ND	U	0.076	9.9	pg/g
PCB-81	ND	U	0.066	0.99	pg/g
PCB-92	ND	U	0.11	9.9	pg/g
PCB-127	ND	U	0.078	9.9	pg/g
PCB-135/151	ND	U	0.062	9.9	pg/g
PCB-137	ND	U	0.045	9.9	pg/g
PCB-144	ND	U	0.061	9.9	pg/g

Sealaska Environmental Services, LLC

Sample ID: Rinse Blank

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 023	**Work Order #....:**	MKC142AA	**Matrix....:**	WH
Date Sampled....:	06/20/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	07/11/11	**Analysis Date....:**	07/12/11	**Percent Moisture:**	
Prep Batch # ....:	1194174	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.16 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-37	ND	U	0.10	9.9	pg/g
PCB-42	ND	U	0.085	9.9	pg/g
PCB-133	ND	U	0.066	9.9	pg/g
PCB-153/168	**0.13** U	**C J Q B**	**0.045**	**9.9**	**pg/g**
PCB-183	ND	U	0.049	9.9	pg/g
PCB-192	ND	U	0.059	9.9	pg/g
PCB-201	ND	U	0.031	9.9	pg/g
PCB-206	ND	U	0.12	9.9	pg/g
PCB-86/87/97/108/119/125	ND	U	0.090	9.9	pg/g
PCB-105	ND	U	0.081	0.99	pg/g
PCB-130	ND	U	0.072	9.9	pg/g
PCB-152	ND	U	0.044	9.9	pg/g
PCB-177	ND	U	0.079	9.9	pg/g
PCB-179	ND	U	0.049	9.9	pg/g
PCB-185	ND	U	0.086	9.9	pg/g
PCB-17	ND	U	0.096	9.9	pg/g
PCB-38	ND	U	0.090	9.9	pg/g
PCB-77	ND	U	0.066	0.99	pg/g
PCB-82	ND	U	0.13	9.9	pg/g
PCB-129/138/163	**0.26** U	**C J Q B**	**0.052**	**9.9**	**pg/g**
PCB-208	ND	U	0.11	9.9	pg/g
PCB-147/149	**0.30** U	**C J B**	**0.059**	**9.9**	**pg/g**
PCB-167	ND	U	0.039	0.99	pg/g
PCB-204	ND	U	0.032	9.9	pg/g
PCB-5	ND	U	0.32	9.9	pg/g
PCB-90/101/113	**0.46** U	**C J B**	**0.091**	**9.9**	**pg/g**
PCB-148	ND	U	0.061	9.9	pg/g
PCB-150	ND	U	0.043	9.9	pg/g
PCB-159	ND	U	0.042	9.9	pg/g
PCB-171/173	ND	U	0.079	9.9	pg/g
PCB-34	ND	U	0.088	9.9	pg/g
PCB-57	ND	U	0.063	9.9	pg/g
PCB-103	ND	U	0.097	9.9	pg/g
PCB-132	ND	U	0.068	9.9	pg/g
PCB-209	ND	U	0.030	9.9	pg/g
PCB-1	ND	U	0.13	9.9	pg/g

Sealaska Environmental Services, LLC

Sample ID: Rinse Blank

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 023	**Work Order #....:**	MKC142AA	**Matrix....:**	WH
Date Sampled....:	06/20/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	07/11/11	**Analysis Date....:**	07/12/11	**Percent Moisture:**	
Prep Batch # ....:	1194174	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.16 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-12/13	ND	U	0.32	9.9	pg/g
PCB-24	ND	U	0.073	9.9	pg/g
PCB-31	**0.41** U	**J Q B**	**0.084**	**9.9**	**pg/g**
PCB-66	**0.31** U	**J B**	**0.065**	**9.9**	**pg/g**
PCB-128/166	ND	U	0.054	9.9	pg/g
PCB-145	ND	U	0.046	9.9	pg/g
PCB-158	ND	U	0.044	9.9	pg/g
PCB-164	ND	U	0.063	9.9	pg/g
PCB-205	ND	U	0.037	9.9	pg/g
PCB-6	ND	U	0.33	9.9	pg/g
PCB-14	ND	U	0.27	9.9	pg/g
PCB-79	ND	U	0.056	9.9	pg/g
PCB-141	ND	U	0.073	9.9	pg/g
PCB-178	ND	U	0.066	9.9	pg/g
PCB-202	ND	U	0.035	9.9	pg/g
PCB-84	ND	U	0.12	9.9	pg/g
PCB-94	ND	U	0.11	9.9	pg/g
PCB-107/124	ND	U	0.081	9.9	pg/g
PCB-175	ND	U	0.062	9.9	pg/g
PCB-182	ND	U	0.056	9.9	pg/g
PCB-200	ND	U	0.045	9.9	pg/g
PCB-25	ND	U	0.086	9.9	pg/g
PCB-39	ND	U	0.081	9.9	pg/g
PCB-43	ND	U	0.093	9.9	pg/g
PCB-72	ND	U	0.061	9.9	pg/g
PCB-114	ND	U	0.086	0.99	pg/g
PCB-155	ND	U	0.043	9.9	pg/g
PCB-197	ND	U	0.023	9.9	pg/g
PCB-207	ND	U	0.10	9.9	pg/g
PCB-9	ND	U	0.36	9.9	pg/g
PCB-20/28	**0.42** U	**C J Q B**	**0.088**	**9.9**	**pg/g**
PCB-26/29	ND	U	0.085	9.9	pg/g
PCB-55	ND	U	0.064	9.9	pg/g
PCB-131	ND	U	0.067	9.9	pg/g
PCB-165	ND	U	0.051	9.9	pg/g
PCB-2	ND	U	0.11	9.9	pg/g

Sealaska Environmental Services, LLC

Sample ID: Rinse Blank

Trace Level Organic Compounds

EPA-22 1668A

Lot - Sample #....:	G1F200419 - 023	**Work Order #....:**	MKC142AA	**Matrix....:**	WH
Date Sampled....:	06/20/11	**Date Received....:**	06/20/11	**Dilution Factor:**	1
Prep Date....:	07/11/11	**Analysis Date....:**	07/12/11	**Percent Moisture:**	
Prep Batch # ....:	1194174	**Instrument ID....:**	12D8		
Initial Wgt/Vol :	20.16 g	**Analyst ID....:**	Sylvia H. Krenn		

PARAMETER	RESULT		ESTIMATED DETECTION LIMIT	REPORTING LIMIT	UNITS
PCB-67	ND	U	0.059	9.9	pg/g
PCB-85/116/117	**0.40** U	**C J B**	**0.086**	**9.9**	**pg/g**
PCB-104	ND	U	0.033	9.9	pg/g
PCB-123	ND	U	0.089	0.99	pg/g
PCB-142	ND	U	0.074	9.9	pg/g
PCB-160	ND	U	0.069	9.9	pg/g
PCB-169	ND	U	0.046	0.99	pg/g
PCB-184	ND	U	0.048	9.9	pg/g
PCB-194	ND	U	0.057	9.9	pg/g
PCB-52	**0.48** U	**J Q B**	**0.081**	**9.9**	**pg/g**
PCB-58	ND	U	0.061	9.9	pg/g
PCB-73	ND	U	0.060	9.9	pg/g
PCB-110/115	ND	U	0.079	9.9	pg/g
PCB-19	ND	U	0.10	9.9	pg/g
PCB-35	ND	U	0.094	9.9	pg/g
PCB-51	ND	U	0.076	9.9	pg/g
PCB-156/157	ND	U	0.056	2.0	pg/g
PCB-15	ND	U	0.30	9.9	pg/g
PCB-18/30	ND	U	0.081	9.9	pg/g
PCB-22	**0.20** U	**J Q B**	**0.092**	**9.9**	**pg/g**
PCB-68	ND	U	0.056	9.9	pg/g
PCB-95	**0.31** U	**J B**	**0.11**	**9.9**	**pg/g**
PCB-118	**0.20** U	**J Q B**	**0.078**	**0.99**	**pg/g**
PCB-146	ND	U	0.050	9.9	pg/g

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Adak LTM 2011

Collection Date: June 14 through June 18, 2011

LDC Report Date: August 10, 2011

Matrix: Tissue

Parameters: Wet Chemistry

Validation Level: EPA Level IV

Laboratory: TestAmerica, Inc.

Sample Delivery Group (SDG): G1F200419

Sample Identification

SW28_061511
SW31_061511
SW102_061511
DUP1-061511
KB1_061411
KB2_061411
KB3_061411
KB4_061411
KB5_061411
KB04_061511
KB05_061811
KB01_061811
KBALT03_061811
KBALT02_061811
SW25_061811
SW26/27_061811
SW1_061411
SW2_061411
SW3_061411
SW4_061411
SW5_061411
SW6_061411

Introduction

This data review covers 22 tissue samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8290 for Percent Lipids and ASTM Method D 2216-90 for Percent Moisture.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004).

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
SW28_061511 SW31_061511 SW102_061511 DUP1-061511 KB04_061511	Percent moisture	22 days	14 days	J (all detects) UJ (all non-detects)	P
KB1_061411 KB2_061411 KB3_061411 KB4_061411 KB5_061411 SW1_061411 SW2_061411 SW3_061411 SW4_061411 SW5_061411 SW6_061411	Percent lipids Percent moisture	15 days 23 days	14 days 14 days	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
KB05_061811 KB01_061811 KBALT03_061811 KBALT02_061811 SW25_061811 SW26/27_061811	Percent moisture	19 days	14 days	J (all detects) UJ (all non-detects)	P

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Initial Calibration

All criteria for the initial calibration of each method were met.

III. Continuing calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable.

III. Blanks

Method blanks were not required by the methods.

No field blanks were identified in this SDG.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) analyses were not required by the method.

V. Duplicates

Duplicate (DUP) sample analyses were not required by the method.

VI. Laboratory Control Samples

Laboratory control samples were not required by the method.

VII. Sample Result Verification

All sample result verifications were acceptable.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

Samples SW102_061511 and DUP1-061511 and samples SW5_061411 and SW6_061411 were identified as field duplicates. No contaminant concentrations were detected in any of the samples with the following exceptions:

Analyte	Concentration (%)		RPD
	SW102_061511	DUP1-061511	
Percent lipids	1.6	2.1	27
Percent moisture	85.1	83.6	2

Analyte	Concentration (%)		RPD
	SW5_061411	SW6_061411	
Percent lipids	0.51	0.42	19
Percent moisture	82.5	84.6	3

Adak LTM 2011
Wet Chemistry - Data Qualification Summary - SDG G1F200419

SDG	Sample	Analyte	Flag	A or P	Reason
G1F200419	KB1_061411 KB2_061411 KB3_061411 KB4_061411 KB5_061411 SW1_061411 SW2_061411 SW3_061411 SW4_061411 SW5_061411 SW6_061411	Percent lipids	J (all detects) UJ (all non-detects)	P	Technical holding times
G1F200419	SW28_061511 SW31_061511 SW102_061511 DUP1-061511 KB1_061411 KB2_061411 KB3_061411 KB4_061411 KB5_061411 KB04_061511 KB05_061811 KB01_061811 KBALT03_061811 KBALT02_061811 SW25_061811 SW26/27_061811 SW1_061411 SW2_061411 SW3_061411 SW4_061411 SW5_061411 SW6_061411	Percent moisture	J (all detects) UJ (all non-detects)	P	Technical holding times

Adak LTM 2011
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG G1F200419

No Sample Data Qualified in this SDG

Adak LTM 2011
Wet Chemistry - Field Blank Data Qualification Summary - SDG G1F200419

No Sample Data Qualified in this SDG

Sealaska Environmental Services, LLC

Client Sample ID: SW1_061411

General Chemistry

Lot-Sample #...: G1F200419-001 Work Order #...: MKCX2 Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
% Moisture.....: 83

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	83.5 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW2_061411

General Chemistry

Lot-Sample #...: G1F200419-002 Work Order #...: MKCX3 Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
% Moisture.....: 82

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	81.8 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

fg 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW3_061411

General Chemistry

Lot-Sample #...: G1F200419-003 Work Order #...: MKCX4 Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
% Moisture.....: 83

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	82.6 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW4_061411

General Chemistry

Lot-Sample #...: G1F200419-004 Work Order #...: MKCX6 Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
% Moisture.....: 83

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	83.0 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW5_061411

General Chemistry

Lot-Sample #...: G1F200419-005 Work Order #...: MKCX7 Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
% Moisture.....: 82

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	82.5 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

g 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW6_061411

General Chemistry

Lot-Sample #...: G1F200419-006 **Work Order #...:** MKCX8 **Matrix.....:** BIOLOGIC
Date Sampled...: 06/14/11 **Date Received..:** 06/20/11
% Moisture.....: 85

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**84.6** J	**0.10**	**%**	**ASTM D 2216-90**	**07/06-07/07/11**	**1187095**

Dilution Factor: 1

ff 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW28_061511

General Chemistry

Lot-Sample #...: G1F200419-007 **Work Order #...:** MKCX9 **Matrix.....:** BIOLOGIC
Date Sampled...: 06/15/11 **Date Received..:** 06/20/11
% Moisture.....: 85

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	84.9 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW31_061511

General Chemistry

Lot-Sample #...: G1F200419-008 Work Order #...: MKC0A Matrix.....: BIOLOGIC
Date Sampled...: 06/15/11 Date Received..: 06/20/11
% Moisture.....: 85

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	85.0 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW102_061511

General Chemistry

Lot-Sample #...: G1F200419-009 Work Order #...: MKC0C Matrix.....: BIOLOGIC
Date Sampled...: 06/15/11 Date Received..: 06/20/11
% Moisture.....: 85

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	85.1 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: DUP1_061511

General Chemistry

Lot-Sample #...: G1F200419-010 Work Order #...: MKC0D Matrix.....: BIOLOGIC
Date Sampled...: 06/15/11 Date Received..: 06/20/11
% Moisture.....: 84

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	83.6 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187096

Dilution Factor: 1

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB1_061411

General Chemistry

Lot-Sample #...: G1F200419-011 Work Order #...: MKC0E Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
% Moisture.....: 82

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	82.0 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB2_061411

General Chemistry

Lot-Sample #...: G1F200419-012 Work Order #...: MKC0G Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
% Moisture.....: 81

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	81.1 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

8-3-11

Sealaska Environmental Services, LLC

Client Sample ID: KB3_061411

General Chemistry

Lot-Sample #...: G1F200419-013 Work Order #...: MKC0H Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
% Moisture.....: 82

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	81.6 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB4_061411

General Chemistry

Lot-Sample #...: G1F200419-014 Work Order #...: MKC0J Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
% Moisture.....: 82

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	82.1 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

fg 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB5_061411

General Chemistry

Lot-Sample #...: G1F200419-015 Work Order #...: MKC0K Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
% Moisture.....: 83

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	83.0 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB04_061511

General Chemistry

Lot-Sample #...: G1F200419-016 Work Order #...: MKC0L Matrix.....: BIOLOGIC
Date Sampled...: 06/15/11 Date Received..: 06/20/11
% Moisture.....: 82

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	82.5 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

ff 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB05_061811

General Chemistry

Lot-Sample #...: G1F200419-017 Work Order #...: MKC0M Matrix.....: BIOLOGIC
Date Sampled...: 06/18/11 Date Received..: 06/20/11
% Moisture.....: 85

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	84.6 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB01_061811

General Chemistry

Lot-Sample #...: G1F200419-018 Work Order #...: MKC0N Matrix.....: BIOLOGIC
Date Sampled...: 06/18/11 Date Received..: 06/20/11
% Moisture.....: 84

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	84.4 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

fg 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KBALT03_061811

General Chemistry

Lot-Sample #...: G1F200419-019 Work Order #...: MKC0P Matrix.....: BIOLOGIC
Date Sampled...: 06/18/11 Date Received..: 06/20/11
% Moisture.....: 84

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	83.8 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KBALT02_061811

General Chemistry

Lot-Sample #...: G1F200419-020 Work Order #...: MKC0Q Matrix.....: BIOLOGIC
Date Sampled...: 06/18/11 Date Received..: 06/20/11
% Moisture.....: 82

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	81.9 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187095

Dilution Factor: 1

JY 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW25_061811

General Chemistry

Lot-Sample #...: G1F200419-021 Work Order #...: MKC0R Matrix.....: BIOLOGIC
Date Sampled...: 06/18/11 Date Received..: 06/20/11
% Moisture.....: 84

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	83.7 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187096

Dilution Factor: 1

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW26/27_061811

General Chemistry

Lot-Sample #...: G1F200419-022 Work Order #...: MKC0V Matrix.....: BIOLOGIC
Date Sampled...: 06/18/11 Date Received..: 06/20/11
% Moisture.....: 85

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	85.1 J	0.10	%	ASTM D 2216-90	07/06-07/07/11	1187096

Dilution Factor: 1

fy 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW1_061411

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-001 Work Order #...: MKCX21AC Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 83

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	0.46 J	0.10	%	SW846 8290

fg 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW2_061411

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-002 Work Order #...: MKCX31AC Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 82

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	0.39 J	0.10	%	SW846 8290

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW3_061411

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-003 Work Order #...: MKCX41AC Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 83

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	0.41 J	0.10	%	SW846 8290

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW4_061411

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-004 Work Order #...: MKCX61AC Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 83

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	0.49 J	0.10	%	SW846 8290

g 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW5_061411

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-005 Work Order #...: MKCX71AC Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 82

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	0.51 J	0.10	%	SW846 8290

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW6_061411

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-006 Work Order #...: MKCX81AC Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 85

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	0.42 J	0.10	%	SW846 8290

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW28_061511

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-007 Work Order #...: MKCX91AC Matrix.....: BIOLOGIC
Date Sampled...: 06/15/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 85

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	2.0	0.10	%	SW846 8290

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW31_061511

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-008 Work Order #...: MKC0A1AC Matrix.....: BIOLOGIC
Date Sampled...: 06/15/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 85

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	1.1	0.10	%	SW846 8290

Rg 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW102_061511

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-009 Work Order #...: MKC0C1AC Matrix.....: BIOLOGIC
Date Sampled...: 06/15/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 85

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	1.6	0.10	%	SW846 8290

Pg 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: DUP1_061511

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-010 Work Order #...: MKC0D1AC Matrix.....: BIOLOGIC
Date Sampled...: 06/15/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 84

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	2.1	0.10	%	SW846 8290

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB1_061411

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-011 Work Order #...: MKC0E1AC Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 82

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	0.66 J	0.10	%	SW846 8290

fy 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB2_061411

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-012 Work Order #...: MKC0G1AC Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 81

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	0.72 J	0.10	%	SW846 8290

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB3_061411

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-013 Work Order #...: MKC0H1AC Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 82

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	0.58 J	0.10	%	SW846 8290

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB4_061411

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-014 Work Order #...: MKC0J1AC Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 82

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	0.56 J	0.10	%	SW846 8290

fg 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB5_061411

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-015 Work Order #...: MKC0K1AC Matrix.....: BIOLOGIC
Date Sampled...: 06/14/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 83

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	0.44 J	0.10	%	SW846 8290

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB04_061511

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-016 Work Order #...: MKC0L1AC Matrix.....: BIOLOGIC
Date Sampled...: 06/15/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 82

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	2.4	0.10	%	SW846 8290

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB05_061811

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-017 Work Order #...: MKC0M1AC Matrix.....: BIOLOGIC
Date Sampled...: 06/18/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 85

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	1.4	0.10	%	SW846 8290

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KB01_061811

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-018 Work Order #...: MKC0N1AC Matrix.....: BIOLOGIC
Date Sampled...: 06/18/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 84

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	1.3	0.10	%	SW846 8290

fj 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KBALT03_061811

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-019 **Work Order #...:** MKC0P1AC **Matrix.....:** BIOLOGIC
Date Sampled...: 06/18/11 **Date Received..:** 06/20/11
Prep Date.....: 06/29/11 **Analysis Date..:** 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 84

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	2.4	0.10	%	SW846 8290

fj 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: KBALT02_061811

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-020 **Work Order #...:** MKC0Q1AC **Matrix.....:** BIOLOGIC
Date Sampled...: 06/18/11 **Date Received..:** 06/20/11
Prep Date.....: 06/29/11 **Analysis Date..:** 06/29/11
Prep Batch #...: 1180075
Dilution Factor: 1
% Moisture.....: 82

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	1.5	0.10	%	SW846 8290

8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW25_061811

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-021 Work Order #...: MKC0R1AC Matrix.....: BIOLOGIC
Date Sampled...: 06/18/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180076
Dilution Factor: 1
% Moisture.....: 84

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	1.4	0.10	%	SW846 8290

fg 8-31-11

Sealaska Environmental Services, LLC

Client Sample ID: SW26/27_061811

Trace Level Organic Compounds

Lot-Sample #...: G1F200419-022 Work Order #...: MKC0V1AC Matrix.....: BIOLOGIC
Date Sampled...: 06/18/11 Date Received..: 06/20/11
Prep Date.....: 06/29/11 Analysis Date..: 06/29/11
Prep Batch #...: 1180076
Dilution Factor: 1
% Moisture.....: 85

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Percent Lipids	1.5	0.10	%	SW846 8290

8-31-11

ATTACHMENT

STATISTICAL CALCULATION BACKUP

Summary Statistics for Total PCBs in Rock Sole

Risk Based Action Level "RBAL" (ug/kg): 6.5

Embayment	Year Sampled	Number of Composite Samples	Minimum Concentration (µg/kg)	Maximum Concentration (µg/kg)	Mean Concentration (µg/kg)	Standard Error	Mean - SE (ug/kg)	Mean + SE (ug/kg)	Coefficeint of Variation, CV	95%UCL (ug/kg)	95%LCL (ug/kg)	Critical alpha (p-value) If p<=0.05 Ho: Mean>RBAL Rejected	1-sided t, N-1 dof
Sweeper Cove	1996	5	Not Detected	341	186	-							
	1999	1[a]	52.9	52.9	52.9	NA							
	2000	2	31.1	81.4	56.2	25.2	31.1	81.4	0.63		-103	Mean>RBAL (p>0.50)	6.31
	2001	2	44.6	79.4	62.0	17.4	44.6	79.4	0.40		-48	Mean>RBAL (p>0.50)	6.31
	2002	2	55.5	120	87.5	32.3	55.3	119.8	0.52		-116	Mean>RBAL (p>0.50)	6.31
	2003	6	73.4	132	96.0	9.45	86.6	105.4	0.24	115	77	Mean>RBAL (p>0.50)	2.02
	2005	6	13.1	25.9	19.5	2.13	17.4	21.6	0.27	23.8	15	Mean>RBAL (p>0.50)	2.02
	2007	5	11.5	127	59.1	19.6	39.5	78.7	0.74	101	17	Mean>RBAL (p>0.50)	2.13
	2009	6	33.5	60.9	44.5	4.0	40.5	48.5	0.22	52	37	Mean>RBAL (p>0.50)	2.02
	2011	**6**	**29.4**	**138**	**69.9**	**15**	**55.1**	**84.7**	**0.52**	**100**	**40**	**Mean>RBAL (p>0.50)**	**2.02**
Kuluk Bay	1996	5	14	60	32.4	-							
	1999	1[a]	10.6	10.6	10.6	NA							
	2000	3	2.52	9.21	5.01	2.11	2.9	7.1	0.73		-1	Mean<RBAL p=0.2769	2.92
	2001	2	0.93	14.6	7.75	6.84	0.9	14.6	1.25		-35	Mean>RBAL (p>0.50)	6.31
	2002	2	1.48	8.41	4.94	3.46	1.5	8.4	0.99		-17	Mean<RBAL p=0.3652	6.31
	2003	5	8.88	21	13.5	2.27	11.2	15.8	0.38	18.3	9	Mean>RBAL (p>0.50)	2.13
	2005	5	4.88	11	7.69	1.26	6.4	9.0	0.37	10.4	5	Mean>RBAL (p>0.50)	2.13
	2007	5	4.59	17.5	12.1	2.90	9.2	15.0	0.54	18.3	6	Mean>RBAL (p>0.50)	2.13
	2009	5	2.53	12.8	6.40	1.8	4.6	8.2	0.63	10.3	2.5	Mean<RBAL p=0.0001	2.13
	2011	**5**	**2.51**	**35.3**	**12.9**	**6.0**	**6.9**	**18.9**	**1.04**	**26**	**0.1**	**Mean>RBAL (p>0.50)**	**2.13**
Bay of Islands	1999	-	-	-	-	-							
	2000	2	1.05	1.14	1.10	0.0450	1.1	1.1	0.06	1.4	0.82	Mean<RBAL p=0.0027	6.31
	2001	-	-	-	-	-							
	2002	-	-	-	-	-							
	2003	5	0.279	0.352	0.320	0.01288	0.3	0.3	0.09	0.35	0.29	Mean<RBAL p=0	2.13
	2005	-	-	-	-	-							
	2007	-	-	-	-	-							
	2009	-	-	-	-	-							

[a]Sample consisted of a single rock sole and is therefore not a composite sample.

Notes:

All concentrations are based on wet weight.

Adak risk-based action level for rock sole is 6.5 microgram per kilogram (µg/kg) wet weight.

Note: If the sample set consisted of 2 or 3 samples, the 95%UCL exceeded the max concentration and was not reported.

Summary Statistics for Total PCBs in Blue Mussel

Risk Based Action Level "RBAL" (ug/kg): 31

Embayment	Year Sampled	Number of Composite Samples	Minimum Concentration (µg/kg)	Maximum Concentration (µg/kg)	Mean Concentration (µg/kg)	Standard Error	Mean - SE (ug/kg)	Mean + SE (ug/kg)	Coefficeint of Variation, CV	95%UCL (ug/kg)	95%LCL (ug/kg)	Critical alpha (p-value) If p<=0.05 Ho: Mean>RBAL Rejected	1-sided t, N-1 dof
Sweeper Cove	1996	6	26.9	39.6	34.3	-							
	1999	8	9.66	97	43.5	11.6	31.9	55.1	0.75	65	22	Mean>RBAL (p>0.50)	1.89
	2000	7	5.22	345	60.9	47.4	13.5	108.3	2.06	153	-31	Mean>RBAL (p>0.50)	1.94
	2001	7	7.19	57.7	24.4	6.25	18.1	30.7	0.68	37	12	Mean<RBAL p=0.1658	1.94
	2002	7	5.5	98	25.7	12.3	13.4	38.0	1.26	50	2	Mean<RBAL p=0.3406	1.94
	2003	5	15.2	45.5	33.3	6.05	27.3	39.3	0.41	46	20	Mean>RBAL (p>0.50)	2.13
	2005	5	22.5	483	133	87.7	45.3	221	1.47	320	-54	Mean>RBAL (p>0.50)	2.13
	2007	5	15.7	138	47.9	22.7	25.2	70.6	1.06	96	0	Mean>RBAL (p>0.50)	2.13
	2009	5	9.59	144	42.5	25.5	17.0	68.0	1.34	97	-12	Mean>RBAL (p>0.50)	2.13
	2011	**5**	**10.1**	**178**	**54.1**	**31**	**23.6**	**84.6**	**1.26**	**119**	**-11**	**Mean>RBAL (p>0.50)**	**2.13**
Kuluk Bay	1996	11	Not detected	36	16.5	-							
	1999	9	0.553	14.1	4.07	1.47	2.6	5.5	1.09	6.8	1.3	Mean<RBAL p=0	1.86
	2000	9	0.407	12.1	4.31	1.50	2.8	5.8	1.04	7.1	1.5	Mean<RBAL p=0	1.86
	2001	9	0.99	50.7	16.5	6.22	10.3	22.7	1.13	28	4.9	Mean<RBAL p=0.0241	1.86
	2002	9	1.27	30.4	8.10	3.21	4.9	11.3	1.19	14	2.1	Mean<RBAL p=0	1.86
	2003	5	3.72	21	12.4	3.20	9.2	15.6	0.58	19	5.6	Mean<RBAL p=0.0022	2.13
	2005	5	10.9	60.3	32.0	11.0	21.0	43.0	0.77	55	8.6	Mean>RBAL (p>0.50)	2.13
	2007	5	6.7	28.6	15.0	4.75	10.2	19.8	0.71	25	4.9	Mean<RBAL p=0.014	2.13
	2009	5	5.62	37.8	18.1	5.86	**12.2**	**24.0**	**0.72**	**31**	**6**	Mean<RBAL p=0.0463	2.13
	2011	**5**	**7.87**	**34.5**	**18.3**	**5.2**	**13.1**	**23.5**	**0.64**	**29**	**7**	**Mean<RBAL p=0.0357**	**2.13**
Bay of Islands	1999	4	0.072	0.434	0.269	0.0758	0.19	0.34	0.56	0.45	0.09	Mean<RBAL p=0	2.35
	2000	4	0.091	1.98	0.594	0.462	0.13	1.06	1.56	1.68	-0.49	Mean<RBAL p=0	2.35
	2001	3	0.01	0.04	0.0240	0.00869	0.02	0.03	0.63	0.05	0.00	Mean<RBAL p=0	2.92
	2002	4	0.0187	0.0584	0.0350	0.00905	0.03	0.04	0.52	0.06	0.01	Mean<RBAL p=0	2.35
	2003	5	0.108	0.268	0.183	0.0284	0.15	0.21	0.35	0.24	0.12	Mean<RBAL p=0	2.13
	2005	-	-	-	-	-							
	2007	-	-	-	-	-							
	2009	-	-	-	-	-							

Notes:
All concentrations are based on wet weight.
Adak risk-based action level for blue mussels is 31 micrograms per kilogram (µg/kg) wet weight.

test:	5	20	5	31	9	p=0.0463	2.13

Summary of Adak Rock Sole and Blue Mussel Total PCBs for Samples Collected from Bay of Islands, Kuluk Bay, and Sweeper Cove, 1999 - 2009

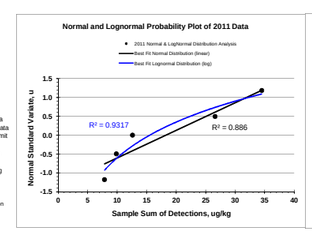
Tissue Type	Sample Number	Company Sample ID or Sampling Location	Approximate Sample Date	Number of Analytes Tested	Number of Analytes Detected	Sum of Detected Analytes	Unit (wet weight)	n	Standard Deviation	Standard Error (SD/(n^.5))	Coefficient of Variation, CV = Mean/SD
Bay of Islands											
Blue mussel	227686	ADAK08	8/1/1999 12:00	57	14	0.434	µg/kg				
	227687	ADAK09	8/1/1999 12:00	57	11	0.249	µg/kg				
	227688	ADAK100	8/1/1999 12:00	57	11	0.32	µg/kg				
	227690	ADAK101	8/1/1999 12:00	57	3	0.072	µg/kg				
					1999 Mean Value	0.269	µg/kg	4	0.15170	0.07585	
	227727	BOIM02	7/1/2000 12:00	58	5	0.0908	µg/kg				
	227728	BOIM03	7/1/2000 12:00	58	8	0.182	µg/kg				
	227729	BOIM04	7/1/2000 12:00	58	4	0.125	µg/kg				
	227736	BOIM01	7/1/2000 12:00	58	6	1.98	µg/kg				
					2000 Mean Value	0.594	µg/kg	4	0.92447	0.46223	
	227771	BIB1M1	6/13/2001 12:00	58	2	0.04	µg/kg				
	227773	BIB1M3	6/13/2001 12:00	58	0	0.01	µg/kg	superscript a			
	227772	BIB1M2	6/28/2001 12:00	58	1	0.023	µg/kg				
					2001 Mean Value	0.024	µg/kg	3	0.01504	0.00869	
	227812	BIB2M1	6/14/2002 12:00	58	1	0.0187	µg/kg				
	227813	BIB2M2	6/14/2002 12:00	58	1	0.0229	µg/kg				
	227814	BIB2M3	6/14/2002 12:00	58	2	0.0584	µg/kg				
	227815	BIB2M4	6/14/2002 12:00	58	2	0.0199	µg/kg				
					2002 Mean Value	0.035	µg/kg	4	0.01811	0.00905	
	63044	63044	8/1/2003 3:30	170	15	0.133	µg/kg				
	63041	63041	8/1/2003 4:45	170	20	0.198	µg/kg				
	63043	63043	8/1/2003 5:45	170	21	0.268	µg/kg				
	63045	63045	8/1/2003 7:00	170	18	0.207	µg/kg				
	63042	63042	8/1/2003 8:15	170	14	0.108	µg/kg				
					2003 Mean Value	0.183	µg/kg	5	0.06354	0.02842	
Rock sole	227819	BI-04	7/1/2000 12:00	56	16	1.14	µg/kg				
	227823	BI-08	7/1/2000 12:00	56	20	1.05	µg/kg				
					2000 Mean Value	1.1	µg/kg	2	0.06364	0.04500	
	63068	63068	8/2/2003 1:40	170	24	0.313	µg/kg				
	63069	63069	8/2/2003 1:41	170	28	0.352	µg/kg				
	63070	63070	8/2/2003 1:42	170	27	0.314	µg/kg				
	63071	63071	8/2/2003 1:43	170	27	0.343	µg/kg				
	63072	63072	8/2/2003 1:44	170	21	0.279	µg/kg				
					2003 Mean Value	0.32	µg/kg	5	0.02880	0.01288	
Kuluk Bay											
Blue mussel	227645	2	8/1/1999 12:00	58	43	5.93	µg/kg				
	227646	3	8/1/1999 12:00	58	32	2.09	µg/kg				
	227647	4	8/1/1999 12:00	58	33	2.27	µg/kg				
	227648	5	8/1/1999 12:00	58	34	2.06	µg/kg				
	227649	6	8/1/1999 12:00	58	24	0.752	µg/kg				
	227650	7	8/1/1999 12:00	58	17	0.553	µg/kg				
	227666	23	8/1/1999 12:00	58	21	1.48	µg/kg				
	227667	24	8/1/1999 12:00	58	39	7.42	µg/kg				
	227689	1	8/1/1999 12:00	57	44	14.1	µg/kg				
					1999 Mean Value	4.07	µg/kg	9	4.42394	1.47465	
	227693	3	7/1/2000 12:00	58	37	3.68	µg/kg				
	227694	4	7/1/2000 12:00	58	39	4.3	µg/kg				
	227695	5	7/1/2000 12:00	58	30	1.3	µg/kg				
	227696	6	7/1/2000 12:00	58	24	0.79	µg/kg				
	227697	7	7/1/2000 12:00	58	18	0.407	µg/kg				
	227700	23	7/1/2000 12:00	58	26	1.67	µg/kg				
	227713	1	7/1/2000 12:00	58	46	11.7	µg/kg				
	227714	2	7/1/2000 12:00	58	45	12.1	µg/kg				
	227717	24	7/1/2000 12:00	58	29	2.82	µg/kg				
					2000 Mean Value	4.31	µg/kg	9	4.49398	1.49799	
	227761	23	6/2/2001 12:00	58	14	2.27	µg/kg				
	227762	24	6/2/2001 12:00	58	24	9.48	µg/kg				
	227739	1	6/3/2001 12:00	58	45	45.4	µg/kg				
	227741	3	6/3/2001 12:00	58	32	11.3	µg/kg				
	227744	6	6/3/2001 12:00	58	13	1.56	µg/kg				
	227740	2	6/4/2001 12:00	58	41	50.7	µg/kg				
	227742	4	6/4/2001 12:00	58	37	17	µg/kg				
	227743	5	6/4/2001 12:00	58	37	10	µg/kg				
	227745	7	6/4/2001 12:00	58	16	0.99	µg/kg				
					2001 Mean Value	16.5	µg/kg	9	18.67459	6.22486	
	227780	2	6/11/2002 12:00	58	36	16.8	µg/kg				
	227781	3	6/11/2002 12:00	58	22	4.4	µg/kg				
	227782	4	6/11/2002 12:00	58	31	7.69	µg/kg				
	227783	5	6/26/2002 12:00	58	30	4.59	µg/kg				
	227784	6	6/26/2002 12:00	58	23	1.31	µg/kg				
	227785	7	6/26/2002 12:00	58	24	1.27	µg/kg				
	227801	23	6/26/2002 12:00	58	17	1.69	µg/kg				
	227802	24	6/26/2002 12:00	58	22	4.81	µg/kg				
	227779	1	8/28/2002 12:00	58	41	30.4	µg/kg				
					2002 Mean Value	8.1	µg/kg	9	9.64250	3.21417	
	63054	5	8/4/2003 1:30	168	80	9.76	µg/kg				
	63055	1	8/4/2003 4:57	170	92	21	µg/kg				
	63056	2	8/4/2003 5:26	170	81	9.05	µg/kg				
	63052	KB-101	8/4/2003 11:59	170	87	18.5	µg/kg				
	63053	KB-102	8/4/2003 12:45	170	64	3.72	µg/kg				
					2003 Mean Value	12.4	µg/kg	5	7.15375	3.19925	
	230730	1	6/17/2005 12:28	168	112	57.1	µg/kg				
	230731	2	6/17/2005 11:45	168	108	60.3	µg/kg				
	230732	3	6/16/2005 15:50	168	96	13.9	µg/kg				
	230733	4	6/16/2005 14:51	168	92	17.6	µg/kg				
	230734	5	6/16/2005 14:00	168	81	10.9	µg/kg				
					2005 Mean Value	32	µg/kg	5	24.55133	10.97969	
	29086-007	KB01	6/10/2007 17:00	168	112	24.4	µg/kg				
	29086-008	KBALT02	6/10/2007 17:00	168	114	28.6	µg/kg				
	29086-009	KB03	6/10/2007 17:00	168	92	8.48	µg/kg				
	29086-010	KB04	6/10/2007 17:00	168	85	6.7	µg/kg				
	29086-011	KB05	6/10/2007 17:00	168	77	6.84	µg/kg				
					2007 Mean Value	15.0	µg/kg	5	10.62198	4.75029	
	KBALT02_062209	KBALT02	6/22/2009 16:20	194	84	24.4	µg/kg				
	KB-001_062209	KB01	6/22/2009 16:35	194	93	37.8	µg/kg				
	KB-003_062209	KB03	6/22/2009 17:35	195	41	8.85	µg/kg				
	KB-004_062209	KB04	6/22/2009 17:40	195	72	14.0	µg/kg				
	KB-005_062209	KB05	6/22/2009 18:15	195	32	5.62	µg/kg				
					2009 Mean Value	18.1	µg/kg	5	13.1	5.86	0.72
	KB01_061811	KB01	6/18/2011 0:00	168	71	**26.6**	µg/kg				
	KBALT02_061811	KBALT02	6/18/2011 0:00	168	67	**34.5**	µg/kg				
	KBALT03_061811	KBALT03	6/18/2011 0:00	168	59	**12.6**	µg/kg				
	KB04_061511	KB04	6/15/2011 0:00	168	55	**9.88**	µg/kg				
	KB05_061811	KB05	6/18/2011 0:00	168	51	**7.87**	µg/kg	**N**	**SD**	**SE**	**CV**
					2011 Mean Value	**18.1**	µg/kg	**5**	**11.7**	**5.21**	**0.64**
Rock sole	227623	AD-20	7/29/1999 12:00	56	41	10.6	µg/kg				
					1999 Mean Value	10.6	µg/kg	1	#DIV/0!	#DIV/0!	
	227830	AD-01	7/1/2000 12:00	56	44	2.53	µg/kg				
	227837	AD-08	7/1/2000 12:00	56	45	3.28	µg/kg				
	227840	AD-11	7/1/2000 12:00	56	45	9.21	µg/kg				
					2000 Mean Value	5.01	µg/kg	3	3.65946	2.11279	
	227580	MSL01AK	8/29/2001 12:00	58	40	14.6	µg/kg				
	227582	MSL01AZ	8/31/2001 12:00	58	12	0.928	µg/kg				
					2001 Mean Value	7.75	µg/kg	2	9.66756	6.83600	
	227608	MSL02AK	6/24/2002 12:00	58	29	8.4	µg/kg				
	227610	MSL02AZ	6/24/2002 12:00	58	23	1.48	µg/kg				
					2002 Mean Value	4.94	µg/kg	2	4.89318	3.46000	
	63057	63057	7/30/2003 5:10	170	85	8.88	µg/kg				
	63060	63060	7/30/2003 5:11	170	99	21	µg/kg				
	63061	63061	7/30/2003 5:12	170	88	10.8	µg/kg				
	63059	63059	7/30/2003 5:13	170	94	10.4	µg/kg				
	63058	63058	7/30/2003 5:14	170	96	16.5	µg/kg				
					2003 Mean Value	13.5	µg/kg	5	5.08658	2.27479	
	230719	230719	6/14/2005 13:05	168	75	4.88	µg/kg				
	230720	230720	6/14/2005 13:06	168	86	11	µg/kg				
	230721	230721	6/14/2005 13:07	168	81	6.63	µg/kg				
	230722	230722	6/14/2005 13:08	168	80	10.4	µg/kg				
	230723	230723	6/14/2005 13:09	168	80	5.56	µg/kg				
					2005 Mean Value	7.69	µg/kg	5	2.82209	1.26208	
	29085-007	KB201	6/4/2007 9:58	168	93	15.5	µg/kg				
	29085-008	KB202	6/4/2007 9:58	168	87	5.58	µg/kg				
	29085-009	KB203	6/4/2007 9:58	168	83	4.59	µg/kg				
	29085-010	KB204	6/4/2007 9:58	168	96	17.4	µg/kg				
	29085-011	KB205	6/4/2007 9:58	168	93	17.5	µg/kg				
					2007 Mean Value	12.1	µg/kg	5	6.47533	2.89585	
	KB201_062609	KB-204	6/26/2009 16:50	195	33	4.86	µg/kg				
	KB202_062609	KB-204	6/26/2009 17:20	195	48	12.8	µg/kg				
	KB203_062609	KB-204	6/26/2009 17:40	195	26	3.99	µg/kg				
	KB204_062609	KB-204	6/26/2009 17:55	195	42	7.83	µg/kg				

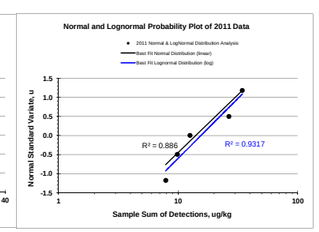
Kuluk Bay Blue Mussel – 2011
2011 Normal & LogNormal Distribution Analysis

Ranked Detections, i=1 to N	Concentration	Plotting Point, PP PP=(i-3/8)/(N+1/4)	Normal Std Variate, u u=Normsinv(PP)
1	7.87	0.119	-1.180
2	9.88	0.310	-0.497
3	12.6	0.500	0.000
4	26.6	0.690	0.497
5	34.5	0.881	1.180

Interpretation and Discussion: Interpretation of the Probability Plot indicates that the data adequately fit a Normal (N) distribution (R2=0.89) for the purpose of estimating an approximate 95% UCL on the true (population) mean. While a Lognormal (LN) distribution fits the data apparently better (R2=0.93), the sample size is too small (N=5) to warrant adoption of a LN over a N model for estimating a 95%UCL on the mean. The mean of any distribution of environmental data will approach a normal distribution as the sample size N increases, consistent with the Central Limit Theorem (CLT). Assuming a theoretical LN for the population to estimate the mean UCLs is not recommended for the small N associated with this study (N=5) because it has been shown that a LN assumption will yield unrealistically and unrepresentatively high estimates of the true mean. Refined estimates, if necessary (because of very high data skew), can be based on bootstrapping (not included here).

Note: The maximum concentration value for N=5 is the nonparametric 95%UCL on the median of the population distribution. The max value for N=4 is the 90%UCL, for N=6 it's the 98%UCL. A nonparametric assumption is more robust than a parametric assumption, but less precise.

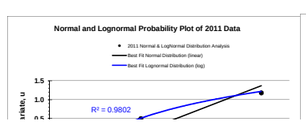


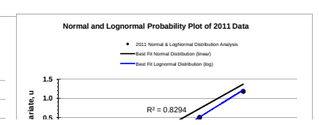


Kuluk Bay Rock Sole – 2011
2011 Normal & LogNormal Distribution Analysis

Ranked Detections, i=1 to N	Concentration	Plotting Point, PP PP=(i-3/8)/(N+1/4)	Normal Std Variate, u u=Normsinv(PP)
1	2.51	0.119	-1.180
2	3.73	0.310	-0.497
3	7.84	0.500	0.000
4	15.20	0.690	0.497
5	35.3	0.881	1.180

Interpretation and Discussion: Interpretation of the Probability Plot indicates that the data adequately fit a Normal (N) distribution (R2=0.83) for the purpose of estimating an approximate 95% UCL on the true (population) mean. While a Lognormal (LN) distribution fits the data





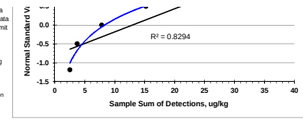
Summary of Adak Rock Sole and Blue Mussel Total PCBs for Samples Collected from Bay of Islands, Kuluk Bay, and Sweeper Cove, 1999 - 2009

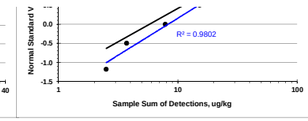
Tissue Type	Sample Number	Company Sample ID or Sampling Location	Approximate Sample Date	Number of Analytes Tested	Number of Analytes Detected	Sum of Detected Analytes	Unit (wet weight)	n	Standard Deviation	Standard Error (SD/(n^.5))	Coefficient of Variation, CV = Mean/SD
	KB205_062609	KB-204	6/26/2009 18:20	195	20	2.53	µg/kg				
					2009 Mean Value	6.40	µg/kg	5	4.06	1.82	0.64
	KB1_061411	KB1_061411	6/14/2011 0:00	168	81	**2.51**	µg/kg				
	KB2_061411	KB2_061411	6/14/2011 0:00	168	67	**15.2**	µg/kg				
	KB3_061411	KB3_061411	6/14/2011 0:00	168	95	**35.3**	µg/kg				
	KB4_061411	KB4_061411	6/14/2011 0:00	168	48	**3.73**	µg/kg				
	KB5_061411	KB5_061411	6/14/2011 0:00	168	89	**7.84**	µg/kg	**N**	**SD**	**SE**	***CV***
					2011 Mean Value	**12.9**	µg/kg	**5**	**13.46**	**6.02**	**1.04**
Sweeper Cove											
Blue mussel	227668	25	8/1/1999 12:00	58	40	9.66	µg/kg				
	227669	26	8/1/1999 12:00	58	46	35.7	µg/kg				
	227670	27	8/1/1999 12:00	58	47	35.2	µg/kg				
	227671	30	8/1/1999 12:00	58	51	33.7	µg/kg				
	227672	31	8/1/1999 12:00	58	43	11.5	µg/kg				
	227674	ADAK83	8/1/1999 12:00	58	51	89.9	µg/kg				
	227675	29	8/1/1999 12:00	58	47	35.1	µg/kg				
	227676	28	8/1/1999 12:00	58	50	97	µg/kg				
					1999 Mean Value	43.5	µg/kg	8	32.69049	11.55783	
	227715	25	7/1/2000 12:00	57	35	5.22	µg/kg				
	227716	31	7/1/2000 12:00	58	44	15.4	µg/kg				
	227718	27	7/1/2000 12:00	58	36	8.76	µg/kg				
	227719	28	7/1/2000 12:00	58	47	345	µg/kg				
	227720	29	7/1/2000 12:00	58	46	26.4	µg/kg				
	227721	30	7/1/2000 12:00	58	44	14.4	µg/kg				
	227734	26	7/1/2000 12:00	58	44	10.4	µg/kg				
					2000 Mean Value	60.9	µg/kg	7	125.50204	47.43531	
	227763	25	6/1/2001 12:00	58	24	7.19	µg/kg				
	227764	26	6/1/2001 12:00	58	28	12.7	µg/kg				
	227765	27	6/1/2001 12:00	58	31	15.9	µg/kg				
	227766	28	6/1/2001 12:00	58	34	57.7	µg/kg				
	227767	29	6/1/2001 12:00	58	35	26.8	µg/kg				
	227768	30	6/1/2001 12:00	58	36	28.5	µg/kg				
	227769	31	6/1/2001 12:00	58	32	22.3	µg/kg				
					2001 Mean Value	24.4	µg/kg	7	16.53875	6.25106	
	227806	28	6/11/2002 12:00	58	32	98	µg/kg				
	227807	29	6/11/2002 12:00	58	32	23.7	µg/kg				
	227808	30	6/11/2002 12:00	58	32	14.2	µg/kg				
	227809	31	6/11/2002 12:00	58	27	10.1	µg/kg				
	227803	25	6/26/2002 12:00	58	24	5.5	µg/kg				
	227804	26	6/26/2002 12:00	58	24	9.02	µg/kg				
	227805	27	6/26/2002 12:00	58	30	19.2	µg/kg				
					2002 Mean Value	25.7	µg/kg	7	32.49463	12.28182	
	63046	31	8/4/2003 10:05	170	99	39.3	µg/kg				
	63047	SW-102	8/4/2003 10:15	170	97	45.5	µg/kg				
	63051	SW-102	8/4/2003 10:15	170	98	38.4 [a]	µg/kg	not counted			
	63048	SW-103	8/4/2003 10:20	170	91	22.7	µg/kg				
	63049	25	8/4/2003 10:45	170	86	15.2	µg/kg				
	63050	27	8/4/2003 11:15	170	97	43.6	µg/kg				
					2003 Mean Value	33.3	µg/kg	5	13.51751	6.04521	
	230724	25	6/16/2005 11:15	168	96	22.5	µg/kg				
	230725	26/27	6/16/2005 11:50	168	104	57.3	µg/kg				
	230726	28	6/17/2005 9:45	168	132	458 [b]	µg/kg	not counted			
	230727	28	6/17/2005 9:46	168	132	483	µg/kg				
	230728	31	6/17/2005 8:50	168	99	41.4	µg/kg				
	230729	102	6/17/2005 9:15	168	106	63.2	µg/kg				
					2005 Mean Value	133	µg/kg	5	196.02435	87.66476	
	29086-001	SW25	6/10/2007 17:00	168	103	15.7	µg/kg				
	29086-002	SW26/27	6/10/2007 17:00	168	106	28.8	µg/kg				
	29085-003	SW28	6/10/2007 17:00	168	125	138	µg/kg				
	29086-004	SW31	6/10/2007 17:00	168	102	28.3	µg/kg				
	29086-005	SW46	6/10/2007 17:00	168	123	112 [b, c]	µg/kg	not counted			
	29086-006	SW102	6/10/2007 17:00	168	107	28.6	µg/kg				
					2007 Mean Value	47.9	µg/kg	5	50.68606	22.66750	
	SW-102_062309	SW-102	6/23/2009 14:05:00	195	50	24.3	µg/kg				
	SW-31_062309	SW31	6/23/2009 14:10	195	71	22.8	µg/kg				
	SW-28_062309	SW28	6/23/2009 15:50	195	87	144	µg/kg				
	SW28D_062309	SW28	6/23/2009 15:50				µg/kg	not counted			
	SW-25_062709	SW25	6/27/2009 11:30	195	40	9.59	µg/kg				
	SW-26_27_062709	SW26/27	6/27/2009 11:35	195	41	11.9	µg/kg				
					2009 Mean Value	42.5	µg/kg	5	57.1	25.5	1.3
	SW25_061811	SW25	6/18/2011 0:00	168	70	**10.1**	µg/kg				
	SW26/27_061811	SW26/27	6/18/2011 0:00	168	63	**23.6**	µg/kg				
	SW28_061511	SW28	6/15/2011 0:00	168	92	**178**	µg/kg				
	SW31_06151	SW31	6/15/2011 0:00	168	72	**30.3**	µg/kg				
	SW102_061511	SW-102	6/15/2011 0:00	168	71	**28.5**	µg/kg	**N**	**SD**	**SE**	**CV**
					2011 Mean Value	**54.1**	µg/kg	**5**	**68.13952**	**30.5**	**1.3**
Rock Sole	227619	AD-07	8/13/1999 12:00	56	41	52.9	µg/kg				
					1999 Mean Value	52.9	µg/kg	1	#DIV/0!	#DIV/0!	
	227848	AD-19	7/1/2000 12:00	56	46	31.1	µg/kg				
	227849	AD-23	7/1/2000 12:00	56	48	81.4	µg/kg				
					2000 Mean Value	56.2	µg/kg	2	35.56747	25.15000	
	227579	MSL01AI	6/18/2001 12:00	58	41	79.4	µg/kg				
	227581	MSL01AO	8/31/2001 12:00	58	41	44.6	µg/kg				
					2001 Mean Value	62.0	µg/kg	2	24.60732	17.40000	
	227607	MSL02AI	6/24/2002 12:00	58	41	120	µg/kg				
	227609	MSL02AO	6/24/2002 12:00	58	43	55.5	µg/kg				
					2002 Mean Value	87.5	µg/kg	2	45.60839	32.25000	
	63062	63062	7/31/2003 3:20	170	112	132	µg/kg				
	63067	63067	7/31/2003 3:20	170	110	78.6	µg/kg				
	63063	63063	7/31/2003 3:21	170	104	73.4	µg/kg				
	63064	63064	7/31/2003 3:22	170	110	113	µg/kg				
	63065	63065	7/31/2003 3:23	170	104	79.5	µg/kg				
	63066	63066	7/31/2003 3:24	170	111	98.8	µg/kg				
					2003 Mean Value	96	µg/kg	6	23.14532	9.44904	
	230713	230713	6/14/2005 10:35	168	86	25.9	µg/kg				
	230714	230714	6/14/2005 10:36	168	88	23.9	µg/kg				
	230715	230715	6/14/2005 10:37	168	85	14.8	µg/kg				
	230716	230716	6/14/2005 10:38	168	86	17.1	µg/kg				
	230717	230717	6/14/2005 10:39	168	85	13.1	µg/kg				
	230718	230718	6/14/2005 10:40	168	88	22.1	µg/kg				
					2005 Mean Value	19.5	µg/kg	6	5.21322	2.12829	
	29085-001	SW201	6/4/2007 9:58:00	168	101	80.4	µg/kg				
	29085-002	SW202	6/4/2007 9:58:00	168	112	127	µg/kg				
	29085-003	SW203	6/4/2007 9:58:00	168	102	57.7	µg/kg				
	29085-004	SW204	6/4/2007 9:58:00	168	94	11.5	µg/kg				
	29085-005	SW205	6/4/2007 9:58:00	168	101	39.2	µg/kg				
	29085-006	SW206	6/4/2007 9:58:00	168	99	39.0 [b, d]	µg/kg	not counted			
					2007 Mean Value	59.1	µg/kg	5	43.71902	19.55174	
	SW201_062609	SW-204	6/26/2009 9:40:00	195	80	49.4	µg/kg				
	SW202_062609	SW-204	6/26/2009 10:15:00	195	72	38.7	µg/kg				
	SW203_062609	SW-204	6/26/2009 10:35:00	195	84	60.9	µg/kg				
	SW204_062609	SW-204	6/26/2009 11:05:00	195	77	39.6	µg/kg				
	SW205_062609	SW-204	6/26/2009 11:35:00	195	67	33.5	µg/kg				
	SW206_062609	SW-204	6/26/2009 12:05:00	195	78	45.0	µg/kg				
					2009 Mean Value	44.5	µg/kg	6	9.70	3.96	0.22
	SW1_061411	SW1_061411	6/14/2011 0:00	168	81	**66.7**	µg/kg				
	SW2_061411	SW2_061411	6/14/2011 0:00	168	104	**67.1**	µg/kg				
	SW3_061411	SW3_061411	6/14/2011 0:00	168	101	**29.4**	µg/kg				
	SW4_061411	SW4_061411	6/14/2011 0:00	168	91	**51.8**	µg/kg				
	SW5_061411	SW5_061411	6/14/2011 0:00	168	77	**64.5**	µg/kg				
	SW6_061411	SW6_061411	6/14/2011 0:00	168	83	**138**	µg/kg	**N**	**SD**	**SE**	**CV**
					2011 Mean Value	**69.9**	µg/kg	**6**	**36.29**	**14.81**	**0.52**

[a] Even though no PCBs were detected, the detection limit of 0.01 µg/kg was used to calculate the mean.
[b] Not used to calculate the mean value because it is a duplicate sample from the sample sampling location
[c] Sample 29086-005 is a duplicate sample taken from location SW-28. The regular sample taken at this location is sample 29086-003.
[d] Sample 29085-006 is a duplicate (split) of sample 29086-005.
Note:
µg/kg - microgram per kilogram

apparently better (R2=0.98), the sample size is too small (N=5) to warrant adoption of a LN over a N model for estimating a 95%UCL on the mean. The mean of any distribution of environmental data will approach a normal distribution as the sample size N increases, consistent with the Central Limit Theorem (CLT). Assuming a theoretical LN for the population to estimate the mean UCLs is not recommended for the small N associated with this study (N~5) because it has been shown that a LN assumption will yield unrealistically and unrepresentatively high estimates of the true mean. Refined estimates, if necessary (because of very high data skew), can be based on bootstrapping (not included here).

Note: The maximum concentration value for N=5 is the nonparametric 95%UCL on the median of the population distribution. The max value for N=4 is the 90%UCL, for N=6 it's the 98%UCL. A nonparametric assumption is more robust than a parametric assumption, but less precise.



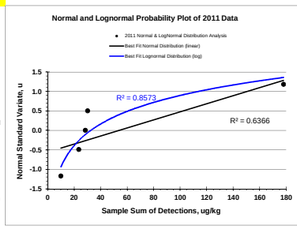


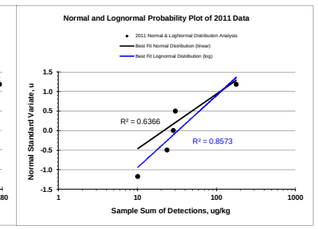
Sweeper Cove Blue Mussel – 2011
2011 Normal & LogNormal Distribution Analysis

Ranked Detections, i=1 to N	Concentration	Plotting Point, PP PP=(i-3/8)/(N+1/4)	Normal Std Variate, u u=Normsinv(PP)
1	10.1	0.119	-1.180
2	23.6	0.310	-0.497
3	28.5	0.500	0.000
4	30.3	0.690	0.497
5	178	0.881	1.180

Interpretation and Discussion: Interpretation of the Probability Plot indicates because of the skewing effect of the **178-ug/kg outlier** the data are not well fit by a Normal (N) distribution (R2=0.64), which affects the estimate of the 95% UCL on the true (population) mean. While a Lognormal (LN) distribution fits the data apparently better (R2=0.86), the sample size is too small (N=5), and the effect of one outlier is too weak support, to warrant adoption of a LN over a N model for estimating a 95%UCL on the mean. The mean of any distribution of environmental data will approach a normal distribution as the sample size N increases, consistent with the Central Limit Theorem (CLT). Assuming a theoretical LN for the population to estimate the mean UCLs is not recommended for the small N associated with this study (N=5) because it has been shown that a LN assumption will yield unrealistically and unrepresentatively high estimates of the true mean. Refined estimates, if necessary (because of very high data skew), can be based on bootstrapping (not included here).

Note: The maximum concentration value for N=5 is the nonparametric 95%UCL on the median of the population distribution. The max value for N=4 is the 90%UCL, for N=6 it's the 98%UCL. A nonparametric assumption is more robust than a parametric assumption, but less precise.



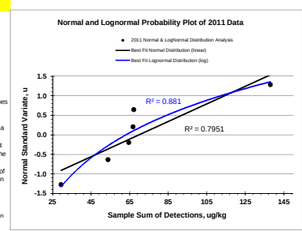


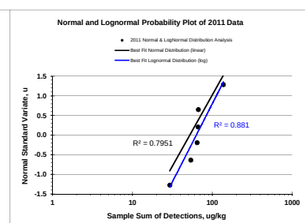
Sweeper Cove Rock Sole – 2011
2011 Normal & LogNormal Distribution Analysis

Ranked Detections, i=1 to N	Concentration	Plotting Point, PP PP=(i-3/8)/(N+1/4)	Normal Std Variate, u u=Normsinv(PP)
1	29.4	0.100	-1.282
2	53.8	0.260	-0.643
3	64.5	0.420	-0.202
4	66.7	0.580	0.202
5	67.1	0.740	0.643
6	138	0.900	1.282

Interpretation and Discussion: Interpretation of the Probability Plot indicates that the data does adequately fit a Normal (N) distribution (R2=0.80) for the purpose of estimating an approximate 95% UCL on the true (population) mean. While a Lognormal (LN) distribution fits the data apparently somewhat better (R2=0.88), the sample size is too small (N=6) to warrant adoption of a LN over a N model for estimating a 95%UCL on the mean. The mean of any distribution of environmental data will approach a normal distribution as the sample size N increases, consistent with the Central Limit Theorem (CLT). Assuming a theoretical LN for the population to estimate the mean UCLs is not recommended for the small N associated with this study (N=6) because it has been shown that a LN assumption will yield unrealistically and unrepresentatively high estimates of the true mean. Refined estimates, if necessary (because of very high data skew), can be based on bootstrapping (not included here).

Note: The maximum concentration value for N=5 is the nonparametric 95%UCL on the median of the population distribution. The max value for N=4 is the 90%UCL, for N=6 it's the 98%UCL. A nonparametric assumption is more robust than a parametric assumption, but less precise.





Compatibility Report for Statistical Calculation Backup 2011.xls
Run on 9/11/2011 16:21

The following features in this workbook are not supported by earlier versions of Excel. These features may be lost or degraded when opening this workbook in an earlier version of Excel or if you save this workbook in an earlier file format.

Minor loss of fidelity	# of occurrences	Version
Some formulas in this workbook are linked to other workbooks that are closed. When these formulas are recalculated in earlier versions of Excel without opening the linked workbooks, characters beyond the 255-character limit cannot be returned.	16	
	p value and t-test PCBs Sole'!G6:G12 p value and t-test PCBs Sole'!G16:G22 p value and t-test PCBs Sole'!G25 p value and t-test PCBs Sole'!G28	Excel 97-2003
Some cells or styles in this workbook contain formatting that is not supported by the selected file format. These formats will be converted to the closest format available.	3	Excel 97-2003

ATTACHMENT

SUMMARY EXCEL SPREADSHEET FOR 1999-2011 DATA

(DUE TO SIZE, NATIVE FILE ONLY)

Summary of Adak Rock Sole and Blue Mussel Total PCBs for Samples Collected from Bay of Islands, Kuluk Bay, and Sweeper Cove, 1999 - 2011

Tissue Type	Sample Number	Company Sample ID or Sampling Location	Approximate Sample Date	Number of Analytes Tested	Number of Analytes Detected	Sum of Detected Analytes	Unit (wet weight)
Bay of Islands							
Blue mussel	227686	ADAK98	8/1/1999 12:00	57	14	0.434	µg/kg
	227687	ADAK99	8/1/1999 12:00	57	11	0.249	µg/kg
	227688	ADAK100	8/1/1999 12:00	57	11	0.32	µg/kg
	227690	ADAK101	8/1/1999 12:00	57	3	0.072	µg/kg
					1999 Mean Value	0.269	µg/kg
	227727	BOIM02	7/1/2000 12:00	58	5	0.0908	µg/kg
	227728	BOIM03	7/1/2000 12:00	58	8	0.182	µg/kg
	227729	BOIM04	7/1/2000 12:00	58	4	0.125	µg/kg
	227736	BOIM01	7/1/2000 12:00	58	6	1.98	µg/kg
					2000 Mean Value	0.594	µg/kg
	227771	BI01M1	6/13/2001 12:00	58	2	0.04	µg/kg
	227773	BI01M3	6/13/2001 12:00	58	0	0.01[a]	µg/kg
	227772	BI01M2	6/28/2001 12:00	58	1	0.023	µg/kg
					2001 Mean Value	0.024	µg/kg
	227812	BI02M1	6/14/2002 12:00	58	1	0.0187	µg/kg
	227813	BI02M2	6/14/2002 12:00	58	1	0.0229	µg/kg
	227814	BI02M3	6/14/2002 12:00	58	2	0.0584	µg/kg
	227815	BI02M4	6/14/2002 12:00	58	2	0.0399	µg/kg
					2002 Mean Value	0.035	µg/kg
	63044	63044	8/1/2003 3:30	170	15	0.133	µg/kg
	63041	63041	8/1/2003 4:45	170	20	0.198	µg/kg
	63043	63043	8/1/2003 5:45	170	21	0.268	µg/kg
	63045	63045	8/1/2003 7:00	170	18	0.207	µg/kg
	63042	63042	8/1/2003 8:15	170	14	0.108	µg/kg
					2003 Mean Value	0.183	µg/kg
Rock sole	227819	BI-04	7/1/2000 12:00	56	16	1.14	µg/kg
	227823	BI-08	7/1/2000 12:00	56	20	1.05	µg/kg
					2000 Mean Value	1.1	µg/kg
	63068	63068	8/2/2003 1:40	170	24	0.313	µg/kg
	63069	63069	8/2/2003 1:41	170	28	0.352	µg/kg
	63070	63070	8/2/2003 1:42	170	27	0.314	µg/kg
	63071	63071	8/2/2003 1:43	170	27	0.343	µg/kg
	63072	63072	8/2/2003 1:44	170	21	0.279	µg/kg
					2003 Mean Value	0.32	µg/kg
Kuluk Bay							
Blue mussel	227645	2	8/1/1999 12:00	58	43	5.93	µg/kg
	227646	3	8/1/1999 12:00	58	32	2.09	µg/kg
	227647	4	8/1/1999 12:00	58	33	2.27	µg/kg
	227648	5	8/1/1999 12:00	58	34	2.06	µg/kg
	227649	6	8/1/1999 12:00	58	24	0.752	µg/kg
	227650	7	8/1/1999 12:00	58	17	0.553	µg/kg
	227666	23	8/1/1999 12:00	58	21	1.48	µg/kg
	227667	24	8/1/1999 12:00	58	39	7.42	µg/kg
	227689	1	8/1/1999 12:00	57	44	14.1	µg/kg
					1999 Mean Value	4.07	µg/kg
	227693	3	7/1/2000 12:00	58	37	3.68	µg/kg
	227694	4	7/1/2000 12:00	58	39	4.3	µg/kg
	227695	5	7/1/2000 12:00	58	30	1.3	µg/kg
	227696	6	7/1/2000 12:00	58	24	0.79	µg/kg
	227697	7	7/1/2000 12:00	58	18	0.407	µg/kg
	227700	23	7/1/2000 12:00	58	26	1.67	µg/kg
	227713	1	7/1/2000 12:00	58	46	11.7	µg/kg
	227714	2	7/1/2000 12:00	58	45	12.1	µg/kg
	227717	24	7/1/2000 12:00	58	29	2.82	µg/kg
					2000 Mean Value	4.31	µg/kg
	227761	23	6/2/2001 12:00	58	14	2.27	µg/kg
	227762	24	6/2/2001 12:00	58	24	9.48	µg/kg

Summary of Adak Rock Sole and Blue Mussel Total PCBs for Samples Collected from Bay of Islands, Kuluk Bay, and Sweeper Cove, 1999 - 2011

Tissue Type	Sample Number	Company Sample ID or Sampling Location	Approximate Sample Date	Number of Analytes Tested	Number of Analytes Detected	Sum of Detected Analytes	Unit (wet weight)
	227739	1	6/3/2001 12:00	58	45	45.4	µg/kg
	227741	3	6/3/2001 12:00	58	32	11.3	µg/kg
	227744	6	6/3/2001 12:00	58	13	1.56	µg/kg
	227740	2	6/4/2001 12:00	58	41	50.7	µg/kg
	227742	4	6/4/2001 12:00	58	37	17	µg/kg
	227743	5	6/4/2001 12:00	58	37	10	µg/kg
	227745	7	6/4/2001 12:00	58	16	0.99	µg/kg
					2001 Mean Value	16.5	µg/kg
	227780	2	6/11/2002 12:00	58	36	16.8	µg/kg
	227781	3	6/11/2002 12:00	58	22	4.4	µg/kg
	227782	4	6/11/2002 12:00	58	31	7.69	µg/kg
	227783	5	6/26/2002 12:00	58	30	4.59	µg/kg
	227784	6	6/26/2002 12:00	58	23	1.31	µg/kg
	227785	7	6/26/2002 12:00	58	24	1.27	µg/kg
	227801	23	6/26/2002 12:00	58	17	1.69	µg/kg
	227802	24	6/26/2002 12:00	58	22	4.81	µg/kg
	227779	1	8/28/2002 12:00	58	41	30.4	µg/kg
					2002 Mean Value	8.1	µg/kg
	63054	5	8/4/2003 1:30	168	80	9.76	µg/kg
	63055	1	8/4/2003 4:57	170	92	21	µg/kg
	63056	2	8/4/2003 5:26	170	81	9.05	µg/kg
	63052	KB-101	8/4/2003 11:59	170	87	18.5	µg/kg
	63053	KB-102	8/4/2003 12:45	170	64	3.72	µg/kg
					2003 Mean Value	12.4	µg/kg
	230730	1	6/17/2005 12:28	168	112	57.1	µg/kg
	230731	2	6/17/2005 11:45	168	108	60.3	µg/kg
	230732	3	6/16/2005 15:50	168	96	13.9	µg/kg
	230733	4	6/16/2005 14:51	168	92	17.6	µg/kg
	230734	5	6/16/2005 14:00	168	81	10.9	µg/kg
					2005 Mean Value	32	µg/kg
	29086-007	KB01	6/10/2007 17:00	168	112	24.4	µg/kg
	29086-008	KBALT02	6/10/2007 17:00	168	114	28.6	µg/kg
	29086-009	KB03	6/10/2007 17:00	168	92	8.48	µg/kg
	29086-010	KB04	6/10/2007 17:00	168	85	6.7	µg/kg
	29086-011	KB05	6/10/2007 17:00	168	77	6.84	µg/kg
					2007 Mean Value	15.0	µg/kg
	KBALT02_062209	KBALT02	6/22/2009 16:20	194	84	24.4	µg/kg
	KB-001_062209	KB01	6/22/2009 16:35	194	93	37.8	µg/kg
	KB-003_062209	KB03	6/22/2009 17:35	195	41	8.85	µg/kg
	KB-004_062209	KB04	6/22/2009 17:40	195	72	14	µg/kg
	KB-005_062209	KB05	6/22/2009 18:15	195	32	5.62	µg/kg
					2009 Mean Value	18.1	µg/kg
	KB01_061811	KB01	6/18/2011 0:00	168	71	26.6	µg/kg
	KBALT02_061811	KBALT02	6/18/2011 0:00	168	67	34.5	µg/kg
	KBALT03_061811	KBALT03	6/18/2011 0:00	168	59	12.6	µg/kg
	KB04_061511	KB04	6/15/2011 0:00	168	55	9.88	µg/kg
	KB05_061811	KB05	6/18/2011 0:00	168	51	7.87	µg/kg
					2011 Mean Value	18.3	µg/kg
Rock sole	227623	AD-20	7/29/1999 12:00	56	41	10.6	µg/kg
					1999 Mean Value	10.6	µg/kg
	227830	AD-01	7/1/2000 12:00	56	44	2.53	µg/kg
	227837	AD-08	7/1/2000 12:00	56	45	3.28	µg/kg
	227840	AD-11	7/1/2000 12:00	56	45	9.21	µg/kg
					2000 Mean Value	5.01	µg/kg
	227580	MSL01AK	8/29/2001 12:00	58	40	14.6	µg/kg
	227582	MSL01AZ	8/31/2001 12:00	58	12	0.928	µg/kg
					2001 Mean Value	7.75	µg/kg
	227608	MSL02AK	6/24/2002 12:00	58	29	8.4	µg/kg

Summary of Adak Rock Sole and Blue Mussel Total PCBs for Samples Collected from Bay of Islands, Kuluk Bay, and Sweeper Cove, 1999 - 2011

Tissue Type	Sample Number	Company Sample ID or Sampling Location	Approximate Sample Date	Number of Analytes Tested	Number of Analytes Detected	Sum of Detected Analytes	Unit (wet weight)
	227610	MSL02AZ	6/24/2002 12:00	58	23	1.48	µg/kg
					2002 Mean Value	4.94	µg/kg
	63057	63057	7/30/2003 5:10	170	85	8.88	µg/kg
	63060	63060	7/30/2003 5:11	170	99	21	µg/kg
	63061	63061	7/30/2003 5:12	170	88	10.8	µg/kg
	63059	63059	7/30/2003 5:13	170	94	10.4	µg/kg
	63058	63058	7/30/2003 5:14	170	96	16.5	µg/kg
					2003 Mean Value	13.5	µg/kg
	230719	230719	6/14/2005 13:05	168	75	4.88	µg/kg
	230720	230720	6/14/2005 13:06	168	86	11	µg/kg
	230721	230721	6/14/2005 13:07	168	81	6.63	µg/kg
	230722	230722	6/14/2005 13:08	168	80	10.4	µg/kg
	230723	230723	6/14/2005 13:09	168	80	5.56	µg/kg
					2005 Mean Value	7.69	µg/kg
	29085-007	KB201	6/4/2007 9:58	168	93	15.5	µg/kg
	29085-008	KB202	6/4/2007 9:58	168	87	5.58	µg/kg
	29085-009	KB203	6/4/2007 9:58	168	83	4.59	µg/kg
	29085-010	KB204	6/4/2007 9:58	168	96	17.4	µg/kg
	29085-011	KB205	6/4/2007 9:58	168	93	17.5	µg/kg
					2007 Mean Value	12.1	µg/kg
	KB201_062609	KB-204	6/26/2009 16:50	195	33	4.86	µg/kg
	KB202_062609	KB-204	6/26/2009 17:20	195	48	12.8	µg/kg
	KB203_062609	KB-204	6/26/2009 17:40	195	26	3.99	µg/kg
	KB204_062609	KB-204	6/26/2009 17:55	195	42	7.83	µg/kg
	KB205_062609	KB-204	6/26/2009 18:20	195	20	2.53	µg/kg
					2009 Mean Value	6.4	µg/kg
	KB1_061411	KB1_061411	6/14/2011 0:00	168	81	2.51	µg/kg
	KB2_061411	KB2_061411	6/14/2011 0:00	168	67	15.2	µg/kg
	KB3_061411	KB3_061411	6/14/2011 0:00	168	95	35.3	µg/kg
	KB4_061411	KB4_061411	6/14/2011 0:00	168	48	3.73	µg/kg
	KB5_061411	KB5_061411	6/14/2011 0:00	168	89	7.84	µg/kg
					2011 Mean Value	12.9	µg/kg
Sweeper Cove							
Blue mussel	227668	25	8/1/1999 12:00	58	40	9.66	µg/kg
	227669	26	8/1/1999 12:00	58	46	35.7	µg/kg
	227670	27	8/1/1999 12:00	58	47	35.2	µg/kg
	227671	30	8/1/1999 12:00	58	51	33.7	µg/kg
	227672	31	8/1/1999 12:00	58	43	11.5	µg/kg
	227674	ADAK83	8/1/1999 12:00	58	51	89.9	µg/kg
	227675	29	8/1/1999 12:00	58	47	35.1	µg/kg
	227676	28	8/1/1999 12:00	58	50	97	µg/kg
					1999 Mean Value	43.5	µg/kg
	227715	25	7/1/2000 12:00	57	35	5.22	µg/kg
	227716	31	7/1/2000 12:00	58	44	15.4	µg/kg
	227718	27	7/1/2000 12:00	58	36	8.76	µg/kg
	227719	28	7/1/2000 12:00	58	47	345	µg/kg
	227720	29	7/1/2000 12:00	58	46	26.4	µg/kg
	227721	30	7/1/2000 12:00	58	44	14.4	µg/kg
	227734	26	7/1/2000 12:00	58	44	10.4	µg/kg
					2000 Mean Value	60.9	µg/kg
	227763	25	6/1/2001 12:00	58	24	7.19	µg/kg
	227764	26	6/1/2001 12:00	58	28	12.7	µg/kg
	227765	27	6/1/2001 12:00	58	31	15.9	µg/kg
	227766	28	6/1/2001 12:00	58	34	57.7	µg/kg
	227767	29	6/1/2001 12:00	58	35	26.8	µg/kg
	227768	30	6/1/2001 12:00	58	36	28.5	µg/kg
	227769	31	6/1/2001 12:00	58	32	22.3	µg/kg
					2001 Mean Value	24.4	µg/kg

Summary of Adak Rock Sole and Blue Mussel Total PCBs for Samples Collected from Bay of Islands, Kuluk Bay, and Sweeper Cove, 1999 - 2011

Tissue Type	Sample Number	Company Sample ID or Sampling Location	Approximate Sample Date	Number of Analytes Tested	Number of Analytes Detected	Sum of Detected Analytes	Unit (wet weight)
	227806	28	6/11/2002 12:00	58	32	98	µg/kg
	227807	29	6/11/2002 12:00	58	32	23.7	µg/kg
	227808	30	6/11/2002 12:00	58	32	14.2	µg/kg
	227809	31	6/11/2002 12:00	58	27	10.1	µg/kg
	227803	25	6/26/2002 12:00	58	24	5.5	µg/kg
	227804	26	6/26/2002 12:00	58	24	9.02	µg/kg
	227805	27	6/26/2002 12:00	58	30	19.2	µg/kg
					2002 Mean Value	25.7	µg/kg
	63046	31	8/4/2003 10:05	170	99	39.3	µg/kg
	63047	SW-102	8/4/2003 10:15	170	97	45.5	µg/kg
	63051	SW-102	8/4/2003 10:15	170	98	38.4 [b]	µg/kg
	63048	SW-103	8/4/2003 10:20	170	91	22.7	µg/kg
	63049	25	8/4/2003 10:45	170	86	15.2	µg/kg
	63050	27	8/4/2003 11:15	170	97	43.6	µg/kg
					2003 Mean Value	33.3	µg/kg
	230724	25	6/16/2005 11:15	168	96	22.5	µg/kg
	230725	26/27	6/16/2005 11:50	168	104	57.3	µg/kg
	230726	28	6/17/2005 9:45	168	132	458 [b]	µg/kg
	230727	28	6/17/2005 9:46	168	132	483	µg/kg
	230728	31	6/17/2005 8:50	168	99	41.4	µg/kg
	230729	102	6/17/2005 9:15	168	106	63.2	µg/kg
					2005 Mean Value	133	µg/kg
	29086-001	SW25	6/10/2007 17:00	168	103	15.7	µg/kg
	29086-002	SW26/27	6/10/2007 17:00	168	106	28.8	µg/kg
	29086-003	SW28	6/10/2007 17:00	168	125	138	µg/kg
	29086-004	SW31	6/10/2007 17:00	168	102	28.3	µg/kg
	29086-005	SW46	6/10/2007 17:00	168	123	112 [b,c]	µg/kg
	29086-006	SW102	6/10/2007 17:00	168	107	28.6	µg/kg
					2007 Mean Value	47.9	µg/kg
	SW-102_062309	SW-102	6/23/2009 14:05:00	195	50	24.3	µg/kg
	SW-31_062309	AM31	6/23/2009 14:10	195	71	22.8	µg/kg
	SW-28_062309	AM28	6/23/2009 15:50	195	87	144	µg/kg
	SW-28D_062309	AM28	6/23/2009 15:50	195	86	140 [b]	µg/kg
	SW-25_062709	AM25	6/27/2009 11:30	195	40	9.59	µg/kg
	SW-26_27_062709	AM26	6/27/2009 11:35	195	41	11.9	µg/kg
					2009 Mean Value	42.5	µg/kg
	SW25_061811	SW25	6/18/2011 0:00	168	70	10.1	µg/kg
	SW26/27_061811	SW26/27	6/18/2011 0:00	168	63	23.6	µg/kg
	SW28_061511	SW28	6/15/2011 0:00	168	92	178	µg/kg
	SW31_06151	SW31	6/15/2011 0:00	168	72	30.3	µg/kg
	SW102_061511	SW-102	6/15/2011 0:00	168	71	28.5	µg/kg
					2011 Mean Value	54.1	µg/kg
Rock Sole	227619	AD-07	8/13/1999 12:00	56	41	52.9	µg/kg
					1999 Mean Value	52.9	µg/kg
	227848	AD-19	7/1/2000 12:00	56	46	31.1	µg/kg
	227849	AD-23	7/1/2000 12:00	56	48	81.4	µg/kg
					2000 Mean Value	56.2	µg/kg
	227579	MSL01AI	6/18/2001 12:00	58	41	79.4	µg/kg
	227581	MSL01AO	8/31/2001 12:00	58	41	44.6	µg/kg
					2001 Mean Value	62.0	µg/kg
	227607	MSL02AI	6/24/2002 12:00	58	41	120	µg/kg
	227609	MSL02AO	6/24/2002 12:00	58	43	55.5	µg/kg
					2002 Mean Value	87.5	µg/kg
	63062	63062	7/31/2003 3:20	170	112	132	µg/kg
	63067	63067	7/31/2003 3:20	170	110	78.6	µg/kg
	63063	63063	7/31/2003 3:21	170	104	73.4	µg/kg
	63064	63064	7/31/2003 3:22	170	110	113	µg/kg

Summary of Adak Rock Sole and Blue Mussel Total PCBs for Samples Collected from Bay of Islands, Kuluk Bay, and Sweeper Cove, 1999 - 2011

Tissue Type	Sample Number	Company Sample ID or Sampling Location	Approximate Sample Date	Number of Analytes Tested	Number of Analytes Detected	Sum of Detected Analytes	Unit (wet weight)
	63065	63065	7/31/2003 3:23	170	104	79.5	µg/kg
	63066	63066	7/31/2003 3:24	170	111	98.8	µg/kg
					2003 Mean Value	96	µg/kg
	230713	230713	6/14/2005 10:35	168	86	25.9	µg/kg
	230714	230714	6/14/2005 10:36	168	88	23.9	µg/kg
	230715	230715	6/14/2005 10:37	168	85	14.8	µg/kg
	230716	230716	6/14/2005 10:38	168	86	17.1	µg/kg
	230717	230717	6/14/2005 10:39	168	85	13.1	µg/kg
	230718	230718	6/14/2005 10:40	168	88	22.1	µg/kg
					2005 Mean Value	19.5	µg/kg
	29085-001	SW201	6/4/2007 9:58:00	168	101	80.4	µg/kg
	29085-002	SW202	6/4/2007 9:58:00	168	112	127	µg/kg
	29085-003	SW203	6/4/2007 9:58:00	168	102	57.7	µg/kg
	29085-004	SW204	6/4/2007 9:58:00	168	94	11.5	µg/kg
	29085-005	SW205	6/4/2007 9:58:00	168	101	39.2	µg/kg
	29085-006	SW206	6/4/2007 9:58:00	168	99	39.0 [b,d]	µg/kg
					2007 Mean Value	59.1	µg/kg
	SW201_062609	SW-204	6/26/2009 9:40:00	195	80	49.4	µg/kg
	SW202_062609	SW-204	6/26/2009 10:15:00	195	72	38.7	µg/kg
	SW203_062609	SW-204	6/26/2009 10:35:00	195	84	60.9	µg/kg
	SW204_062609	SW-204	6/26/2009 11:05:00	195	77	39.6	µg/kg
	SW205_062609	SW-204	6/26/2009 11:35:00	195	67	33.5	µg/kg
	SW206_062609	SW-204	6/26/2009 12:05:00	195	78	45	µg/kg
					2009 Mean Value	44.5	µg/kg
	SW1_061411	SW1_061411	6/14/2011 0:00	168	81	66.7	µg/kg
	SW2_061411	SW2_061411	6/14/2011 0:00	168	104	67.1	µg/kg
	SW3_061411	SW3_061411	6/14/2011 0:00	168	101	29.4	µg/kg
	SW4_061411	SW4_061411	6/14/2011 0:00	168	91	53.8	µg/kg
	SW5_061411	SW5_061411	6/14/2011 0:00	168	77	64.5	µg/kg
	SW6_061411	SW6_061411	6/14/2011 0:00	168	83	138	µg/kg
					2011 Mean Value	69.9	µg/kg

[a]Even though no PCBs were detected, the detection limit of 0.01 µg/kg was used to calculate the mean.

[b]Not used to calculate the mean value because it is a duplicate sample from the sample sampling location

[c] Sample 29086-005 is a duplicate sample taken from location SW-28. The regular sample taken at this location is sample 29086-003.

[d] Sample 29085-006 is a duplicate (split) of sample 29086-005.

Note:

µg/kg - microgram per kilogram

ATTACHMENT

RESPONSES TO ADEC AND EPA COMMENTS ON THE DRAFT TECHNICAL MEMORANDUM

Technical Review and Comments
Draft Technical Memorandum, Evaluation of Adak Island Blue Mussel and Rock Sole Tissue, 2011 Marine Monitoring
Former Adak Naval Installation, Adak, Alaska
Document Date: October 3, 2011
Commenter: EPA

Comment No.	Document/ Page &Line	Comment/Recommendation	Response
SPECIFIC COMMENT			
1	Draft Technical Memorandum/ Page 4, Lines 23through 33	**Comment:** The calculation of the Risk Based Action Levels (RBALs), using the equation in Line 23 with the input parameters specified, result in RBALs that are lower by a factor of 10-6, yet the RBALs discussed in Line 4 are correct for Adak fish (6.5 ug/kg PCB) and shellfish (31 ug/kg PCB). It is recommended that the ingestion rate (IR) be converted to mg/day, the oral slope factor (CSFo) be converted to (mg/kd-day)-1 and the unit conversion factor (UCF) be presented in kg/ug to ensure that that the derivation of 6.5 and 31 ug/kg RBALs for shellfish and fish, respectively, can be replicated as follows: $$RBAL = \frac{10^{-6} * 70yrs * 365\frac{days}{yr} * 70kg}{365\frac{days}{yr} * 30\ yrs * \left(2.0\frac{mg}{kg-day}\right)^{-1} * 126000\ or\ 26000\frac{mg}{day} * \frac{10^{-6}kg}{ug}}$$	The ingestion rate (IR) will be converted to mg/day, the oral slope factor (CSFo) will be converted to (mg/kg-day)-1 and the unit conversion factor (UCF) will be presented in kg/µg to ensure that that the derivation of 6.5 and 31 µg/kg RBALs for shellfish and fish, respectively, can be replicated.
2	Page 16, line 11-12	**Comment:** Rephrase the sentence as the monitoring does not evaluate the health of the blue mussel population, it monitors the concentration of PCBs in the Blue Mussels.	The sentence will be revised as follows: “There are no known significant events that would have affected concentrations of PCBs in blue mussels in Kuluk Bay.”
3	Page 16, line 15	**Comment:** Insert “known” prior to “former PCB sources”.	The applicable sentence will be revised as follows:

Comment No.	Document/ Page &Line	Comment/Recommendation	Response
			"As expected, the highest PCB concentrations in rock sole are consistently found in Sweeper Cove, which is nearest the known former PCB sources on Adak Island."
4	Page 16 & 17	**Comment:** The conclusion of the report indicates that PCB concentrations in blue mussels and rock sole are increasing. If these trends continue the effectiveness of the remedy at achieving the RAO's within the 75 year time frame is questionable. Besides the three events cited in the report (1999 dredging, 2005 dredging, and 2010/2011 dredging), no other explanation is postulated for this increase in concentrations. Additional sampling of background (Bay of Islands) may be warranted to determine if these increases are regional and not due to the cited dredging events.	The Navy will continue to assess the design of the monitoring program if concentrations in tissue continue to increase.

Alaska Department of Environmental Conservation
Comments on the Draft Technical Memorandum, 2011 Marine Monitoring, October 3, 2011
FORMER NAF ADAK, Alaska
Commenter: Meghan Dooley (ADEC) **Comments Developed: October 20, 2011**

Cmt. No.	Pg. & Line	Sec.	Comment/Recommendation	Navy Response (October 24, 2011)
1.	Page 1, Line 23		Sampling efforts have been performed since 1996.	Change will be made. The subject sentence will be revised as follows: "...previous biological sampling efforts performed from 1996 through 2009."
2.	Page 15	Evaluation of PCB Concentrations in Blue Mussels at Selected Locations Over Time	Why is there a section for evaluating temporal trends in blue mussels and not an evaluation for rock sole?	Temporal trends of PCB concentrations in rock sole in Sweeper Cove and Kuluk Bay have been evaluated in the Rock Sole Analytical Results section and Figures 4a and 4b. Temporal trends are evaluated at point locations (i.e., selected sampling locations) only for blue mussels, because they live nearly their entire life at one location and are exposed to PCBs only at that location. Because rock sole do not remain at a specific location during their life, the PCB concentrations measured in rock sole would be reflective of a larger area such as Sweeper Cove or Kuluk Bay, and not of a point location from where the fish were caught. A similar explanation will be added to the section "Evaluation of PCB Concentrations in Blue Mussels at Selected Locations Over Time" for clarification.
3.	Page 16, Lines 15 - 17	Conclusions and Recommendations	What is the decreasing trend referring to? Please elaborate or remove the statement as it is not clear in the text or the figures.	The decreasing trend refers to the apparent trend from 1999 through 2011 in Figure 4a. The subject sentence in the text will be changed to the following: "The 2011 results showed an increase in mean PCB concentrations compared to the 2009 analytical results, and the trendline of PCBs in Sweeper Cove rock sole in Figure 4a suggests an overall decreasing (though not statistically significant) trend ."