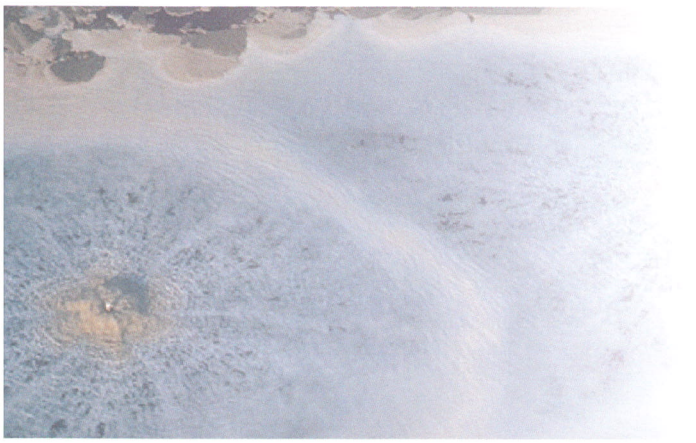

Ship Creek Surface Water And Sediment Assessment Report
Anchorage, Alaska

Prepared for
Alaska Railroad Corporation

May 2004
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Anchorage

Denver

Prepared for
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CONTENTS

		Page
1.0	INTRODUCTION	1
2.0	WORK PERFORMED	1
2.1	*Sample Collection*	*1*
2.2	*Sample Analyses*	*2*
3.0	SURFACE WATER AND SEDIMENT QUALITY CRITERIA	3
4.0	SURFACE WATER SAMPLE ANALYTICAL SUMMARY	3
4.1	*Gasoline-Range Organics*	*3*
4.2	*Diesel-Range Organics/Residual-Range Organics*	*4*
4.3	*Volatile Organic Analytes*	*4*
4.4	*Semi-Volatile Organic Analytes*	*4*
4.5	*Polychlorinated Biphenyls*	*4*
4.6	*Total Metals*	*4*
5.0	SEDIMENT SAMPLE ANALYTICAL SUMMARY	4
5.1	*Gasoline-Range Organics*	*4*
5.2	*Diesel-Range Organics/Residual-Range Organics*	*5*
5.3	*Volatile Organic Analytes*	*5*
5.4	*Semi-Volatile Organics Analytes*	*5*
5.5	*Polychlorinated Biphenyls*	*5*
5.6	*Total Metals*	*5*
6.0	ANALYTICAL DATA QUALITY	6
7.0	DISCUSSION	8
8.0	CONCLUSION	9

CONTENTS (Continued)

TABLES

1 Analytical Results for Filtered Surface Water Sample SHIP-SW-01-F
2 Analytical Results for Unfiltered Surface Water Sample SHIP-SW-01-U
3 Analytical Results for Filtered Surface Water Sample SHIP-SW-02-F
4 Analytical Results for Unfiltered Surface Water Sample SHIP-SW-02-U
5 Analytical Results for Filtered Surface Water Sample SHIP-SW-03-F
6 Analytical Results for Unfiltered Surface Water Sample SHIP-SW-03-U
7 Analytical Results for Filtered Surface Water Sample SHIP-SW-04-F
8 Analytical Results for Unfiltered Surface Water Sample SHIP-SW-04-U
9 Analytical Results for Unfiltered Surface Water Sample SHIP-SW-041F
10 Analytical Results for Filtered Surface Water Sample SHIP-SW-05-F
11 Analytical Results for Unfiltered Surface Water Sample SHIP-SW-05-U
12 Analytical Results for Sediment Sample SHIP-SD-01A
13 Analytical Results for Sediment Sample SHIP-SD-01B
14 Analytical Results for Sediment Sample SHIP-SD-02A
15 Analytical Results for Sediment Sample SHIP-SD-02B
16 Analytical Results for Sediment Sample SHIP-SD-03A
17 Analytical Results for Sediment Sample SHIP-SD-03B
18 Analytical Results for Sediment Sample SHIP-SD-04A
19 Analytical Results for Sediment Sample SHIP-SD-04B
20 Analytical Results for Sediment Sample SHIP-SD-041-A
21 Analytical Results for Sediment Sample SHIP-SD-05A
22 Analytical Results for Sediment Sample SHIP-SD-05B

FIGURE

1 Ship Creek Sample Locations

APPENDIX A
LABORATORY DATA REPORT

SHIP CREEK SURFACE WATER AND SEDIMENT ASSESSMENT REPORT ANCHORAGE, ALASKA

1.0 INTRODUCTION

Hart Crowser performed an environmental assessment of lower Ship Creek in Anchorage, Alaska, under contract to the Alaska Railroad Corporation (ARRC). Ship Creek flows from the Chugach Mountains, through two military bases and industrialized areas before it meanders through the Ship Creek Flats, eventually discharging into Knik Arm of Cook Inlet. ARRC owns most of the property along either side of Ship Creek in the lower portion of the Ship Creek watershed.

Hart Crowser collected and analyzed surface water and sediment samples from five selected locations witihin Ship Creek to evaluate current environmental conditions. The collection locations, analytical methods, and analytical results are described below.

2.0 WORK PERFORMED

2.1 Sample Collection

On March 18, 2004, Hart Crowser personnel collected surface water and sediment samples from five selected locations within the active Ship Creek channel; four adjacent to ARRC property boundaries (Locations 1 through 4), and one from a background location further upstream (Location 5). Location 5 was located upgradient of ARRC properties and adjacent to the Elmendorf Air Force Base (EAFB) Post Road gate, between the Eagleglen Golf Course and the salmon hatchery. The sample locations and corresponding sample numbers are shown on Figure 1.

At each of the five sample locations, a pair of surface water samples and a pair of sediment samples (sample and duplicate) were collected sequentially. A duplicate unfiltered surface water sample (SHIP-SW-041-F) and a sediment sample (SHIP-SD-041-A) were collected from Location 4 for quality assurance/quality control purposes.

Surface water samples were collected by gently immersing open sample jars below the water surface and capturing the water that flowed into them. Each jar was labeled with a unique sample number and the time and date that the sample was collected. Samples were then placed inside a cooler containing blue ice to maintain the samples at a temperature of 2 to 6 degrees Celsius.

Particular care was taken to not disturb the creek bank or stir up sediments during water sample collection. All surface water samples were collected from areas having similar laminar flow conditions, at locations where the creek was approximately 1 foot deep.

Sediment samples were collected from the same locations where the surface water samples were collected. Samples were collected from a depth of approximately 3 to 6 inches below the surface of the creek bed. Sediment samples were collected from the sampling location using a decontaminated steel shovel and placed directly into sample jars. Each sample was labeled with a unique sample number and the time and date.

2.2 Sample Analyses

The samples were relinquished using standard chain-of-custody protocols to North Creek Analytical (NCA) in Anchorage, Alaska, for analyses. One surface water sample from each location was filtered by the laboratory immediately upon receipt and prior to analysis. Both filtered and unfiltered surface water samples were analyzed by the same methods to differentiate between results associated with suspended solids and dissolved analytes.

Both surface water and sediment samples were analyzed for the following:

- Gasoline-range organics (GRO) by Alaska Method AK 101;
- Diesel-range organics (DRO) and residual-range organics (RRO) by Alaska Methods AK 102 and AK 103, respectively;
- Polychlorinated biphenyls (PCBs) by U.S. Environmental Protection Agency (EPA) Method 8082;
- Volatile organic analytes (VOAs) by EPA Method 8260B;
- Semi-volatile organic analytes (SVOAs) by EPA Method 8270C; and
- Total metals by EPA 6000/7000 Series Methods.

Filtered water-matrix samples were not analyzed for GRO or VOAs, as the process of filtering the samples may have caused the loss of target analytes.

The analytical results are presented in the attached tables. Analytical results of surface water samples are presented by sample location in Tables 1 though 11. Analytical results for sediment samples are presented in Tables 12 through 22.

Surface water and sediment quality criteria are also presented in each table for comparison purposes. The water and sediment quality criteria are discussed below in Section 3.0. Note that not all analytes have associated quality criteria.

3.0 SURFACE WATER AND SEDIMENT QUALITY CRITERIA

Surface water samples were compared to the National Recommended Water Quality Criteria (EPA 2002). The Criterion Continuous Concentration (CCC) for freshwater values is presented for comparison with analytical data in the surface water analytical tables. The CCC represents concentrations of analytes that if not exceeded, will not result in sublethal or chronic toxicity to the majority of water column species and represents conservative, risk-based screening criteria applicable for surface waters.

The State of Alaska does not have sediment quality criteria. State of Washington sediment criteria were selected for risk-based screening because they are based on the most recent data available and are generally accepted by state and federal regulatory agencies in the Pacific Northwest. Washington freshwater sediment screening values (Washington Department of Ecology, Publication No. 03-09-088) were used to evaluate the quality of sediments. These Sediment Quality Screening (SQS) and Contaminant Screening Level (CSL) values are presented for comparison with analytical data in the sediment analytical tables. The lower screening criteria (SQS) indicates a level below which unacceptable ecological risks are not expected. The CSL, by contrast, represents a level where ecological impacts are likely due to chemical contamination.

There are no SQS or CSL values for VOAs. VOAs do not tend to persist in sediment and, therefore, are generally not an issue from a risk perspective in this media, without the presence of a continuing contamination source. Therefore, the lack of VOA screening values does not represent a significant data gap for this analysis.

4.0 SURFACE WATER SAMPLE ANALYTICAL SUMMARY

Surface water sample results are presented in Tables 1 through 11. Complete laboratory reports are presented in Appendix A.

4.1 Gasoline-Range Organics

GRO was not detected in any of the six unfiltered surface water samples tested for this analyte.

4.2 Diesel-Range Organics/Residual-Range Organics

Neither DRO nor RRO were detected in any of the 11 surface water samples tested for these analytes.

4.3 Volatile Organic Analytes

None of the 64 VOAs were detected in any of the 6 unfiltered surface water samples tested for these analytes.

4.4 Semi-Volatile Organic Analytes

None of the 46 SVOAs were detected in any of the 11 surface water samples tested for these analytes.

4.5 Polychlorinated Biphenyls

PCBs were not detected in any of the 10 surface water samples tested for these analytes.

4.6 Total Metals

Several metals were detected in surface water samples including aluminum, barium, calcium chromium, copper, iron, lead, potassium, magnesium, manganese, sodium, nickel, selenium, and vanadium. However, only concentrations of one analyte – aluminum – exceeded the National Recommended Water Quality Criteria for freshwater. Aluminum was detected in three unfiltered surface water samples – SHIP-SW-01-U, SHIP-SW-04-U, and SHIP-SW-05-U at concentrations of 1.03 mg/l, 0.390 mg/l, and 0.400 mg/l, respectively. Aluminum was not detected in any of the filtered surface water samples.

Lead was detected in only one surface water sample, unfiltered sample SHIP-SW-05-U, at a concentration of 0.00106 mg/l, which is below the National Recommended Water Quality Criteria of 0.0025 mg/L.

5.0 SEDIMENT SAMPLE ANALYTICAL SUMMARY

Sediment sample results are presented in Tables 12 through 22. Complete laboratory reports are presented in Appendix A.

5.1 Gasoline-Range Organics

GRO was not detected in any of the 11 sediment samples tested for this analyte.

5.2 Diesel-Range Organics/Residual-Range Organics

DRO were not detected in any of the 11 sediment samples tested for this analyte. RRO was detected in 3 of 11 sediment samples, at concentrations near the reporting limit of 50 mg/kg. RRO was detected in samples SHIP-SD-02B, SHIP-SD-05A, and SHIP-SD-05B at concentrations of 75.1mg/kg, 79.2 mg/kg, and 52.4 mg/kg, respectively.

5.3 Volatile Organic Analytes

Of the 64 VOA analytes tested for, toluene was the only analyte detected. It was detected in 2 of the 11 sediment samples – SHIP-SD-05A and duplicate sample SHIP-SD-05B – at a concentration of 0.137 milligrams per kilogram (mg/kg) and 0.473 mg/kg, respectively. There is no corresponding sediment screening level for toluene.

5.4 Semi-Volatile Organics Analytes

Of the 46 SVOA's tested for, bis (2-ethylhexyl) phthalate (BEHP) was the only analyte detected. BEHP was detected in only one sediment sample – SHIP-SD-01A – at a concentration of 0.37 mg/kg. This concentration is above both the SQS and the CSL values of 0.23 mg/kg and 0.32 mg/kg, respectively. BEHP was not detected in the field duplicate sample – SHIP-SD-01B – collected from the same location, which adds uncertainty to the detected concentration of BEHP in sample SHIP-SD-01A. BEHP is often leached from plastic compounds and is a common laboratory contaminant or artifact.

5.5 Polychlorinated Biphenyls

PCBs were not detected in any of the 10 sediment samples tested for these analytes.

5.6 Total Metals

Several metals were detected in sediment samples including aluminum, arsenic, barium, calcium, cobalt, chromium, copper, iron, mercury, potassium, magnesium, manganese, sodium, nickel, lead, selenium, vanadium, and zinc. However, only the concentration of one analyte – mercury – exceeded sediment screening criteria. Mercury was detected at a concentration of 0.931mg/kg in

the field duplicate sediment sample SHIP-SD-04B, which exceeds both the SQS of 0.5 mg/kg and CSL of 0.75 mg/kg. Mercury was not detected in the original sample SHIP-SD-04A collected from the same location, which adds uncertainty to the detected concentration of mercury reported in sample SHIP-SD-04B. As a precautionary measure, both samples were re-extracted and re-analyzed outside of acceptable holding time. Mercury was not detected in either re-analyzed samples at a reporting limit of 0.100 mg/kg. The results from the subsequent re-analysis do suggest an error in the mercury result in the original sample, SHIP-SD-04B.

6.0 ANALYTICAL DATA QUALITY

The analytical data was reviewed for quality. Based on the review, the analytical data is of sufficient quality for the purposes of this project. Some minor issues were identified, but the data may be used, as qualified, for the purposes of this analysis. These laboratory quality assurance/quality control issues are summarized below:

- The laboratory's method reporting limit (MRL) for certain analytes were not adequate to meet all of the surface water quality criteria values. In particular, the reporting limits for water-matrix analytes aluminum and PCBs exceeded there respective water quality criteria. The laboratory's MRL for aluminum in water, 0.300 mg/l, exceeds the National Recommended Water Quality Criteria of 0.087 mg/l. Also, the laboratory's MRL for PCBs in water was 0.0005 mg/l, which is over an order of magnitude greater than the National Recommended Water Quality Criteria for total PCBs in fresh water (0.000014 mg/L). Therefore, aluminum or PCBs may have been present in surface water at concentrations that exceeded the water quality criteria but were unable to be detected using the current analytical methods. Measuring PCBs at the part per trillion level, for instance, requires use of analytical methods not performed by most analytical laboratories.

- The laboratory's MRL for certain analytes were not adequate and did not meet all of the sediment quality screening values. MRLs for sediment-matrix SVOA analytes BEHP, butylbenzyl phthalate, di-n-octyl phthalate, and dimethyl phthalate exceeded the sediment screening criteria. Low levels (between the sediment quality criteria values and the MRL) of these compounds, if present, may not have been detected using the current analytical method.

- Recovery of the GRO field surrogate for all sediment samples, a,a,a-trifluorotoluene, was biased low and failed the minimum control limit of 50

percent. This was expected due to the high concentrations of water in the samples. Recovery of the laboratory-introduced GRO surrogate, 4-bromofluorobenzene, met acceptable control criteria in all cases. Low levels of GRO (near the detection limit) may have not been detected in sediment samples due to the high moisture content.

- Unfiltered sediment sample SHIP-SW-041-F was incorrectly "numbered" with the letter "F" (for filtered) instead of "U" (for unfiltered). This sample was not filtered (unfiltered) as indicated in the "comments/instruction" column on the chain-of-custody form.

- Sediment samples were collected in duplicates. In some cases, low levels of analytes were detected in one sample, but not in the duplicate. This indicates that the matrix being sampled was heterogeneous. The four cases in which duplicates did not match are summarized below:

  - BEHP was detected in original sediment sample SHIP-SD-01A, but not in the field duplicated sample SHIP-SD-01B.

  - RRO was detected in duplicate sediment sample SHIP-SD-02B, but not in original sample SHIP-SD-02A.

  - Mercury was detected in the field duplicate sediment sample SHIP-SD-04B, but not in either the original sample SHIP-SD-04A or the additional duplicate sample SHIP-SD-041A. Both of these samples were re-extracted and re-analyzed for mercury approximately 3 weeks outside of holding time as a precautionary measure. Mercury was not detected in either of the re-analyzed samples. Since mercury was not detected in the original sample or either of the re-analyzed samples, there may be an error in reported mercury concentration in sample SHIP-SD-04B.

- The internal standard responses were outside control limits for sediment samples SHIP-SD-01A, SHIP-SD-05A, and SHIP-SD-05B. As a corrective measure, the samples were reanalyzed several times with similar analytical results. The reported concentrations of 0.137 mg/kg of toluene in sample SHIP-SD-05B may be a high estimate. As such, the reported toluene concentration was flagged as an estimated value with a "J."

- Antimony failed recovery (low bias) in both the matrix spike (MS) and the matrix spike duplicate (MSD) of sample SHIP-SD-01A due to matrix interferences. Antimony, if present in project samples, may not have been detected.

- Calcium failed MSD recovery (low bias) in a non-project water-matrix sample. Since the sample was not related to the project, and since the MS recovery and MS/MSD relative percent difference were acceptable, no data were qualified.

7.0 DISCUSSION

Surface water and sediment samples were collected from five locations along Ship Creek. In general, most target analytes, except metals, were not detected. A few anomalous organic analytes were found in both surface water and sediment samples.

The concentrations of metals in sediment samples from Locations 1 and 2 were in general, higher than metals in sediment samples collected from upgradient Locations 3, 4, and 5. Locations 1 and 2 are below the lower dam and are influenced by tidal saltwater intrusion.

The analytical results were evaluated and compared to surface water and sediment screening criteria and upgradient concentrations to assess the environmental quality of the creek and to evaluate possible sources of contaminants. The ambient surface water quality criterion for one analyte – aluminum – was exceeded. The aluminum concentrations in three unfiltered samples – SHIP-SW-01-U, SHIP-SW-04-U, and SHIP-SW-05-U – exceeded the National Recommended Water Quality Criteria for aluminum in freshwater. High levels of aluminum were detected in every sediment sample, so the concentration of aluminum detected in the unfiltered water samples were likely due to the presence of aluminum in entrained sediment.

Lead was detected in unfiltered surface water sample SHIP-SW-05-U from the background location, Location 5, at a concentration of 0.00106 mg/l, which is below the National Recommended Water Quality Criteria of 0.025mg/l. It was not detected in any other water-matrix sample, including the filtered surface water sample, SHIP-SW-05-F, which was collected from the same location. This indicates that the lead is insoluble and likely bound to a suspended sediment particle. Lead was detected in every sediment sample, thus indicating that lead is a naturally-occurring element and the concentration detected in sample SHIP-SW-05-U was due to background or upgradient conditions.

GRO and DRO were not detected in any surface water or sediment samples. Low levels of RRO, however, were detected in three sediment samples (SHIP-SD-02B, SHIP-SD-05A, and SHIP-SD-05B). RRO was detected in these samples

near the reporting limit of 50 mg/kg, where it is difficult to differentiate between petroleum products and naturally-occurring biogenic sources.

The sediment quality criterion for one analyte - mercury - was exceeded. The mercury concentration in sediment sample SHIP-SD-04B from Location 4 exceeded both the SQS and the CSL screening values for freshwater sediments. Mercury was detected in this sample at a concentration of 0.931 mg/kg; however, it was not detected in duplicate sample SHIP-SD-04A, which was collected from the same location. This indicates potentially heterogeneous conditions. Metals concentrations appear to be due to naturally-occurring background or upgradient conditions.

Toluene was the only VOA that was detected in sediment. It was detected in both sediment samples collected from Location 5 near the EAFB Post Road gate. It was detected in sample SHIP-SD-05A and duplicate sample SHIP-SD-05B at concentrations of 0.473 mg/kg and 0.137 mg/kg, respectively.

BEHP was the only SVOA detected in sediment. BEHP was detected in sediment sample SHIP-SD-01A at concentrations that exceed both the SQS and the CSL sediment quality criteria. However, because BEHP is a common laboratory contaminant and it was not detected in the duplicate sample – SHIP-SD-01B - collected from the same location, BEHP is not likely a stream contaminant of concern. SVOAs were not detected in any of the 11 surface water samples collected for the project.

8.0 CONCLUSION

The metals concentrations in sediment samples appear to represent naturally-occurring background or upgradient conditions. The metals concentrations are generally higher in sediments near the lower extent of Ship Creek, below the lower dam. These locations are tidally affected by saltwater and some of the metals, especially selenium, may have been, in part, transported from Knik Arm.

The mercury detected in the duplicate sediment sample SHIP-SD-04B is suspect, as it was not detected in original sample or in samples that were re-extracted and re-analyzed for this analyte. Further studies may need to be conducted to verify the presence of, or to fully delineate the extent of mercury in the sediment at this location.

In addition to background metal concentrations, samples collected from the background location (Location 5) contained low levels of RRO, toluene, and lead. Other than RRO found in one location (Location 2), these compounds

were not detected in sediment or surface water samples collected adjacent to parcels owned by the ARRC (Locations 1 through 4).

In general, the results of this surface water and sediment quality assessment indicates that the environmental quality of surface waters and surface sediments in the areas included in this study to not indicate widespread or significant contamination with the constituents that were analyzed for in these samples. Three individual constituents were detected above risk-based screening levels:

- Aluminum in one unfiltered water sample, attributed to entrained sediment;
- BEHP in one sediment sample, probably a leached constituent from common plastics; and
- Mercury in one sediment sample. A discrepancy with detected mercury concentrations in both duplicate and reanalyzed samples, adds uncertainty to the analysis.

However, our conclusion is that the analytes that we tested for do not appear to be a significant cause for environmental concern in lower Ship Creek.

Table 1 - Analytical Results for Filtered Surface Water Sample SHIP-SW-01-F (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 1
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8082 PCB Only	Aroclor 1016	ND	0.0005	0.000014*	mg/l
	Aroclor 1221	ND	0.0005	0.000014*	mg/l
	Aroclor 1232	ND	0.0005	0.000014*	mg/l
	Aroclor 1242	ND	0.0005	0.000014*	mg/l
	Aroclor 1248	ND	0.0005	0.000014*	mg/l
	Aroclor 1254	ND	0.0005	0.000014*	mg/l
	Aroclor 1260	ND	0.0005	0.000014*	mg/l
	Aroclor 1262	ND	0.0005	0.000014*	mg/l
	Aroclor 1268	ND	0.0005	0.000014*	mg/l
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.01	-	mg/l
	1,2-Dichlorobenzene	ND	0.01	-	mg/l
	1,3-Dichlorobenzene	ND	0.01	-	mg/l
	1,4-Dichlorobenzene	ND	0.01	-	mg/l
	2,4-Dinitrotoluene	ND	0.01	-	mg/l
	2,6-Dinitrotoluene	ND	0.01	-	mg/l
	2-Chloronaphthalene	ND	0.01	-	mg/l
	2-Methylnaphthalene	ND	0.01	-	mg/l
	3,3´-Dichlorobenzidine	ND	0.01	-	mg/l
	4-Bromophenyl phenyl ether	ND	0.01	-	mg/l
	4-Chloroaniline	ND	0.01	-	mg/l
	4-Chlorophenyl phenyl ether	ND	0.01	-	mg/l
	Acenaphthene	ND	0.01	-	mg/l
	Acenaphthylene	ND	0.01	-	mg/l
	Anthracene	ND	0.01	-	mg/l
	Benzo (a) anthracene	ND	0.01	-	mg/l
	Benzo (a) pyrene	ND	0.01	-	mg/l
	Benzo (b) fluoranthene	ND	0.01	-	mg/l
	Benzo (ghi) perylene	ND	0.01	-	mg/l
	Benzo (k) fluoranthene	ND	0.01	-	mg/l
	Benzyl alcohol	ND	0.01	-	mg/l
	Bis(2-chloroethoxy)methane	ND	0.01	-	mg/l
	Bis(2-chloroethyl)ether	ND	0.01	-	mg/l
	Bis(2-chloroisopropyl)ether	ND	0.01	-	mg/l
	Bis(2-ethylhexyl)phthalate	ND	0.05	-	mg/l
	Butyl benzyl phthalate	ND	0.01	-	mg/l
	Carbazole	ND	0.01	-	mg/l
	Chrysene	ND	0.01	-	mg/l
	Dibenz (a,h) anthracene	ND	0.01	-	mg/l
	Dibenzofuran	ND	0.01	-	mg/l
	Diethyl phthalate	ND	0.01	-	mg/l
	Dimethyl phthalate	ND	0.01	-	mg/l
	Di-n-butyl phthalate	ND	0.01	-	mg/l
	Di-n-octyl phthalate	ND	0.01	-	mg/l
	Fluoranthene	ND	0.01	-	mg/l
	Fluorene	ND	0.01	-	mg/l
	Hexachlorobenzene	ND	0.01	-	mg/l
	Hexachlorobutadiene	ND	0.01	-	mg/l
	Hexachlorocyclopentadiene	ND	0.01	-	mg/l
	Hexachloroethane	ND	0.01	-	mg/l
	Indeno (1,2,3-cd) pyrene	ND	0.01	-	mg/l
	Isophorone	ND	0.01	-	mg/l
	Naphthalene	ND	0.01	-	mg/l
	Nitrobenzene	ND	0.01	-	mg/l
	Phenanthrene	ND	0.01	-	mg/l
	Pyrene	ND	0.01	-	mg/l
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	0.370	-	mg/l
	Residual Range Organics	ND	0.370	-	mg/l

(continued)
Table 1 - Analytical Results for Filtered Surface Water Sample SHIP-SW-01-F (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 1
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
Al Total ICPMS 6020	Aluminum	ND	0.300	0.087	mg/l
As Total ICPMS 6020	Arsenic	ND	0.00100	0.15	mg/l
Ba Total ICPMS 6020	Barium	0.0104	0.0100	-	mg/l
Ca Total ICPMS 6020	Calcium	42.3	1.50	-	mg/l
Cd Total ICPMS 6020	Cadmium	ND	0.00100	0.0022	mg/l
Co Total ICPMS 6020	Cobalt	ND	0.00100	-	mg/l
Cr Total ICPMS 6020	Chromium	ND	0.00100	0.011	mg/l
Cu Total ICPMS 6020	Copper	0.00169	0.00100	0.009	mg/l
Fe Total ICPMS 6020	Iron	ND	0.300	1	mg/l
Hg Total 7470/7471	Mercury	ND	0.000200	0.00077	mg/l
K Total ICPMS 6020	Potassium	2.09	0.600	-	mg/l
Mg Total ICPMS 6020	Magnesium	11.0	0.300	-	mg/l
Mn Total ICPMS 6020	Manganese	0.0648	0.0100	-	mg/l
Na Total ICPMS 6020	Sodium	38.4	1.50	-	mg/l
Ni Total ICPMS 6020	Nickel	ND	0.00100	0.052	mg/l
Pb Total ICPMS 6020	Lead	ND	0.00100	0.0025	mg/l
Sb Total ICPMS 6020	Antimony	ND	0.00300	-	mg/l
Se Total ICPMS 6020	Selenium	0.00134	0.00100	0.005	mg/l
V Total ICPMS 6020	Vanadium	ND	0.00100	-	mg/l
Zn Total ICPMS 6020	Zinc	ND	0.0100	0.12	mg/l

Notes:
* - The Water Quality Criteria listed is for total PCBs.
Water quality criteria is not available for all analytes.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/l - milligrams per liter.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 2 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-01-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 1
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8082 PCB Only	Aroclor 1016	ND	0.0005	0.000014*	mg/l
	Aroclor 1221	ND	0.0005	0.000014*	mg/l
	Aroclor 1232	ND	0.0005	0.000014*	mg/l
	Aroclor 1242	ND	0.0005	0.000014*	mg/l
	Aroclor 1248	ND	0.0005	0.000014*	mg/l
	Aroclor 1254	ND	0.0005	0.000014*	mg/l
	Aroclor 1260	ND	0.0005	0.000014*	mg/l
	Aroclor 1262	ND	0.0005	0.000014*	mg/l
	Aroclor 1268	ND	0.0005	0.000014*	mg/l
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.001	-	mg/l
	1,1,1-Trichloroethane	ND	0.001	-	mg/l
	1,1,2,2-Tetrachloroethane	ND	0.001	-	mg/l
	1,1,2-Trichloroethane	ND	0.001	-	mg/l
	1,1-Dichloroethane	ND	0.001	-	mg/l
	1,1-Dichloroethene	ND	0.001	-	mg/l
	1,1-Dichloropropene	ND	0.001	-	mg/l
	1,2,3-Trichlorobenzene	ND	0.001	-	mg/l
	1,2,3-Trichloropropane	ND	0.001	-	mg/l
	1,2,4-Trichlorobenzene	ND	0.001	-	mg/l
	1,2,4-Trimethylbenzene	ND	0.001	-	mg/l
	1,2-Dibromo-3-chloropropane	ND	0.005	-	mg/l
	1,2-Dibromoethane	ND	0.001	-	mg/l
	1,2-Dichlorobenzene	ND	0.001	-	mg/l
	1,2-Dichloroethane	ND	0.001	-	mg/l
	1,2-Dichloropropane	ND	0.001	-	mg/l
	1,3,5-Trimethylbenzene	ND	0.001	-	mg/l
	1,3-Dichlorobenzene	ND	0.001	-	mg/l
	1,3-Dichloropropane	ND	0.001	-	mg/l
	1,4-Dichlorobenzene	ND	0.001	-	mg/l
	2,2-Dichloropropane	ND	0.001	-	mg/l
	2-Butanone	ND	0.01	-	mg/l
	2-Chlorotoluene	ND	0.001	-	mg/l
	2-Hexanone	ND	0.01	-	mg/l
	4-Chlorotoluene	ND	0.001	-	mg/l
	4-Methyl-2-pentanone	ND	0.01	-	mg/l
	Acetone	ND	0.02	-	mg/l
	Benzene	ND	0.001	-	mg/l
	Bromobenzene	ND	0.001	-	mg/l
	Bromochloromethane	ND	0.001	-	mg/l
	Bromodichloromethane	ND	0.001	-	mg/l
	Bromoform	ND	0.001	-	mg/l
	Bromomethane	ND	0.002	-	mg/l
	Carbon disulfide	ND	0.001	-	mg/l
	Carbon tetrachloride	ND	0.001	-	mg/l
	Chlorobenzene	ND	0.001	-	mg/l
	Chloroethane	ND	0.001	-	mg/l
	Chloroform	ND	0.001	-	mg/l
	Chloromethane	ND	0.005	-	mg/l
	cis-1,2-Dichloroethene	ND	0.001	-	mg/l
	cis-1,3-Dichloropropene	ND	0.001	-	mg/l
	Dibromochloromethane	ND	0.001	-	mg/l
	Dibromomethane	ND	0.001	-	mg/l
	Dichlorodifluoromethane	ND	0.001	-	mg/l
	Ethylbenzene	ND	0.001	-	mg/l
	Hexachlorobutadiene	ND	0.001	-	mg/l
	Isopropylbenzene	ND	0.001	-	mg/l
	m,p-Xylene	ND	0.002	-	mg/l
	Methylene chloride	ND	0.005	-	mg/l

(continued)
Table 2 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-01-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 1
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8260B VOA Full List	Naphthalene	ND	0.001	-	mg/l
	n-Butylbenzene	ND	0.001	-	mg/l
	n-Propylbenzene	ND	0.001	-	mg/l
	o-Xylene	ND	0.001	-	mg/l
	p-Isopropyltoluene	ND	0.001	-	mg/l
	sec-Butylbenzene	ND	0.001	-	mg/l
	Styrene	ND	0.001	-	mg/l
	tert-Butylbenzene	ND	0.001	-	mg/l
	Tetrachloroethene	ND	0.001	-	mg/l
	Toluene	ND	0.001	-	mg/l
	trans-1,2-Dichloroethene	ND	0.001	-	mg/l
	trans-1,3-Dichloropropene	ND	0.001	-	mg/l
	Trichloroethene	ND	0.001	-	mg/l
	Trichlorofluoromethane	ND	0.001	-	mg/l
	Vinyl chloride	ND	0.001	-	mg/l
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.01	-	mg/l
	1,2-Dichlorobenzene	ND	0.01	-	mg/l
	1,3-Dichlorobenzene	ND	0.01	-	mg/l
	1,4-Dichlorobenzene	ND	0.01	-	mg/l
	2,4-Dinitrotoluene	ND	0.01	-	mg/l
	2,6-Dinitrotoluene	ND	0.01	-	mg/l
	2-Chloronaphthalene	ND	0.01	-	mg/l
	2-Methylnaphthalene	ND	0.01	-	mg/l
	3,3´-Dichlorobenzidine	ND	0.01	-	mg/l
	4-Bromophenyl phenyl ether	ND	0.01	-	mg/l
	4-Chloroaniline	ND	0.01	-	mg/l
	4-Chlorophenyl phenyl ether	ND	0.01	-	mg/l
	Acenaphthene	ND	0.01	-	mg/l
	Acenaphthylene	ND	0.01	-	mg/l
	Anthracene	ND	0.01	-	mg/l
	Benzo (a) anthracene	ND	0.01	-	mg/l
	Benzo (a) pyrene	ND	0.01	-	mg/l
	Benzo (b) fluoranthene	ND	0.01	-	mg/l
	Benzo (ghi) perylene	ND	0.01	-	mg/l
	Benzo (k) fluoranthene	ND	0.01	-	mg/l
	Benzyl alcohol	ND	0.01	-	mg/l
	Bis(2-chloroethoxy)methane	ND	0.01	-	mg/l
	Bis(2-chloroethyl)ether	ND	0.01	-	mg/l
	Bis(2-chloroisopropyl)ether	ND	0.01	-	mg/l
	Bis(2-ethylhexyl)phthalate	ND	0.05	-	mg/l
	Butyl benzyl phthalate	ND	0.01	-	mg/l
	Carbazole	ND	0.01	-	mg/l
	Chrysene	ND	0.01	-	mg/l
	Dibenz (a,h) anthracene	ND	0.01	-	mg/l
	Dibenzofuran	ND	0.01	-	mg/l
	Diethyl phthalate	ND	0.01	-	mg/l
	Dimethyl phthalate	ND	0.01	-	mg/l
	Di-n-butyl phthalate	ND	0.01	-	mg/l
	Di-n-octyl phthalate	ND	0.01	-	mg/l
	Fluoranthene	ND	0.01	-	mg/l
	Fluorene	ND	0.01	-	mg/l
	Hexachlorobenzene	ND	0.01	-	mg/l
	Hexachlorobutadiene	ND	0.01	-	mg/l
	Hexachlorocyclopentadiene	ND	0.01	-	mg/l
	Hexachloroethane	ND	0.01	-	mg/l
	Indeno (1,2,3-cd) pyrene	ND	0.01	-	mg/l
	Isophorone	ND	0.01	-	mg/l

(continued)
Table 2 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-01-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 1
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8270C SVOA Full List	Naphthalene	ND	0.01	-	mg/l
	Nitrobenzene	ND	0.01	-	mg/l
	Phenanthrene	ND	0.01	-	mg/l
	Pyrene	ND	0.01	-	mg/l
AK101 (GRO)	Gasoline Range Organics	ND	0.05	-	mg/l
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	0.370	-	mg/l
	Residual Range Organics	ND	0.370	-	mg/l
Al Total ICPMS 6020	Aluminum	1.03	0.300	0.087	mg/l
As Total ICPMS 6020	Arsenic	ND	0.00100	0.15	mg/l
Ba Total ICPMS 6020	Barium	0.0201	0.0100	-	mg/l
Ca Total ICPMS 6020	Calcium	42.6	1.50	-	mg/l
Cd Total ICPMS 6020	Cadmium	ND	0.00100	0.0022	mg/l
Co Total ICPMS 6020	Cobalt	ND	0.00100	-	mg/l
Cr Total ICPMS 6020	Chromium	0.00197	0.00100	0.011	mg/l
Cu Total ICPMS 6020	Copper	0.00437	0.00100	0.009	mg/l
Fe Total ICPMS 6020	Iron	1.48	0.300	1	mg/l
Hg Total 7470/7471	Mercury	ND	0.000200	0.00077	mg/l
K Total ICPMS 6020	Potassium	2.00	0.600	-	mg/l
Mg Total ICPMS 6020	Magnesium	10.7	0.300	-	mg/l
Mn Total ICPMS 6020	Manganese	0.131	0.0100	-	mg/l
Na Total ICPMS 6020	Sodium	35.0	1.50	-	mg/l
Ni Total ICPMS 6020	Nickel	0.00211	0.00100	0.052	mg/l
Pb Total ICPMS 6020	Lead	ND	0.00100	0.0025	mg/l
Sb Total ICPMS 6020	Antimony	ND	0.00300	-	mg/l
Se Total ICPMS 6020	Selenium	ND	0.00100	0.005	mg/l
V Total ICPMS 6020	Vanadium	0.00277	0.00100	-	mg/l
Zn Total ICPMS 6020	Zinc	ND	0.0100	0.12	mg/l

Notes:
* - The Water Quality Criteria listed is for total PCBs.
Water quality criteria is not available for all analytes.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/l - milligrams per liter.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 3 - Analytical Results for Filtered Surface Water Sample SHIP-SW-02-F (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 2
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8082 PCB Only	Aroclor 1016	ND	0.0005	0.000014*	mg/l
	Aroclor 1221	ND	0.0005	0.000014*	mg/l
	Aroclor 1232	ND	0.0005	0.000014*	mg/l
	Aroclor 1242	ND	0.0005	0.000014*	mg/l
	Aroclor 1248	ND	0.0005	0.000014*	mg/l
	Aroclor 1254	ND	0.0005	0.000014*	mg/l
	Aroclor 1260	ND	0.0005	0.000014*	mg/l
	Aroclor 1262	ND	0.0005	0.000014*	mg/l
	Aroclor 1268	ND	0.0005	0.000014*	mg/l
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.01	-	mg/l
	1,2-Dichlorobenzene	ND	0.01	-	mg/l
	1,3-Dichlorobenzene	ND	0.01	-	mg/l
	1,4-Dichlorobenzene	ND	0.01	-	mg/l
	2,4-Dinitrotoluene	ND	0.01	-	mg/l
	2,6-Dinitrotoluene	ND	0.01	-	mg/l
	2-Chloronaphthalene	ND	0.01	-	mg/l
	2-Methylnaphthalene	ND	0.01	-	mg/l
	3,3'-Dichlorobenzidine	ND	0.01	-	mg/l
	4-Bromophenyl phenyl ether	ND	0.01	-	mg/l
	4-Chloroaniline	ND	0.01	-	mg/l
	4-Chlorophenyl phenyl ether	ND	0.01	-	mg/l
	Acenaphthene	ND	0.01	-	mg/l
	Acenaphthylene	ND	0.01	-	mg/l
	Anthracene	ND	0.01	-	mg/l
	Benzo (a) anthracene	ND	0.01	-	mg/l
	Benzo (a) pyrene	ND	0.01	-	mg/l
	Benzo (b) fluoranthene	ND	0.01	-	mg/l
	Benzo (ghi) perylene	ND	0.01	-	mg/l
	Benzo (k) fluoranthene	ND	0.01	-	mg/l
	Benzyl alcohol	ND	0.01	-	mg/l
	Bis(2-chloroethoxy)methane	ND	0.01	-	mg/l
	Bis(2-chloroethyl)ether	ND	0.01	-	mg/l
	Bis(2-chloroisopropyl)ether	ND	0.01	-	mg/l
	Bis(2-ethylhexyl)phthalate	ND	0.05	-	mg/l
	Butyl benzyl phthalate	ND	0.01	-	mg/l
	Carbazole	ND	0.01	-	mg/l
	Chrysene	ND	0.01	-	mg/l
	Dibenz (a,h) anthracene	ND	0.01	-	mg/l
	Dibenzofuran	ND	0.01	-	mg/l
	Diethyl phthalate	ND	0.01	-	mg/l
	Dimethyl phthalate	ND	0.01	-	mg/l
	Di-n-butyl phthalate	ND	0.01	-	mg/l
	Di-n-octyl phthalate	ND	0.01	-	mg/l
	Fluoranthene	ND	0.01	-	mg/l
	Fluorene	ND	0.01	-	mg/l
	Hexachlorobenzene	ND	0.01	-	mg/l
	Hexachlorobutadiene	ND	0.01	-	mg/l
	Hexachlorocyclopentadiene	ND	0.01	-	mg/l
	Hexachloroethane	ND	0.01	-	mg/l
	Indeno (1,2,3-cd) pyrene	ND	0.01	-	mg/l
	Isophorone	ND	0.01	-	mg/l
	Naphthalene	ND	0.01	-	mg/l
	Nitrobenzene	ND	0.01	-	mg/l
	Phenanthrene	ND	0.01	-	mg/l
	Pyrene	ND	0.01	-	mg/l
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	0.370	-	mg/l
	Residual Range Organics	ND	0.370	-	mg/l

(continued)
Table 3 - Analytical Results for Filtered Surface Water Sample SHIP-SW-02-F (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 2
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
Al Total ICPMS 6020	Aluminum	ND	0.300	0.087	mg/l
As Total ICPMS 6020	Arsenic	ND	0.00100	0.15	mg/l
Ba Total ICPMS 6020	Barium	0.0108	0.0100	-	mg/l
Ca Total ICPMS 6020	Calcium	41.6	1.50	-	mg/l
Cd Total ICPMS 6020	Cadmium	ND	0.00100	0.0022	mg/l
Co Total ICPMS 6020	Cobalt	ND	0.00100	-	mg/l
Cr Total ICPMS 6020	Chromium	ND	0.00100	0.011	mg/l
Cu Total ICPMS 6020	Copper	0.00161	0.00100	0.009	mg/l
Fe Total ICPMS 6020	Iron	ND	0.300	1	mg/l
Hg Total 7470/7471	Mercury	ND	0.000200	0.00077	mg/l
K Total ICPMS 6020	Potassium	1.18	0.600	-	mg/l
Mg Total ICPMS 6020	Magnesium	8.32	0.300	-	mg/l
Mn Total ICPMS 6020	Manganese	0.0660	0.0100	-	mg/l
Na Total ICPMS 6020	Sodium	17.1	0.300	-	mg/l
Ni Total ICPMS 6020	Nickel	ND	0.00100	0.052	mg/l
Pb Total ICPMS 6020	Lead	ND	0.00100	0.0025	mg/l
Sb Total ICPMS 6020	Antimony	ND	0.00300	-	mg/l
Se Total ICPMS 6020	Selenium	ND	0.00100	0.005	mg/l
V Total ICPMS 6020	Vanadium	ND	0.00100	-	mg/l
Zn Total ICPMS 6020	Zinc	ND	0.0100	0.12	mg/l

Notes:
* - The Water Quality Criteria listed is for total PCBs.
Water quality criteria is not available for all analytes.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/l - milligrams per liter.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 4 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-02-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 2
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8082 PCB Only	Aroclor 1016	ND	0.0005	0.000014*	mg/l
	Aroclor 1221	ND	0.0005	0.000014*	mg/l
	Aroclor 1232	ND	0.0005	0.000014*	mg/l
	Aroclor 1242	ND	0.0005	0.000014*	mg/l
	Aroclor 1248	ND	0.0005	0.000014*	mg/l
	Aroclor 1254	ND	0.0005	0.000014*	mg/l
	Aroclor 1260	ND	0.0005	0.000014*	mg/l
	Aroclor 1262	ND	0.0005	0.000014*	mg/l
	Aroclor 1268	ND	0.0005	0.000014*	mg/l
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.001	-	mg/l
	1,1,1-Trichloroethane	ND	0.001	-	mg/l
	1,1,2,2-Tetrachloroethane	ND	0.001	-	mg/l
	1,1,2-Trichloroethane	ND	0.001	-	mg/l
	1,1-Dichloroethane	ND	0.001	-	mg/l
	1,1-Dichloroethene	ND	0.001	-	mg/l
	1,1-Dichloropropene	ND	0.001	-	mg/l
	1,2,3-Trichlorobenzene	ND	0.001	-	mg/l
	1,2,3-Trichloropropane	ND	0.001	-	mg/l
	1,2,4-Trichlorobenzene	ND	0.001	-	mg/l
	1,2,4-Trimethylbenzene	ND	0.001	-	mg/l
	1,2-Dibromo-3-chloropropane	ND	0.005	-	mg/l
	1,2-Dibromoethane	ND	0.001	-	mg/l
	1,2-Dichlorobenzene	ND	0.001	-	mg/l
	1,2-Dichloroethane	ND	0.001	-	mg/l
	1,2-Dichloropropane	ND	0.001	-	mg/l
	1,3,5-Trimethylbenzene	ND	0.001	-	mg/l
	1,3-Dichlorobenzene	ND	0.001	-	mg/l
	1,3-Dichloropropane	ND	0.001	-	mg/l
	1,4-Dichlorobenzene	ND	0.001	-	mg/l
	2,2-Dichloropropane	ND	0.001	-	mg/l
	2-Butanone	ND	0.01	-	mg/l
	2-Chlorotoluene	ND	0.001	-	mg/l
	2-Hexanone	ND	0.01	-	mg/l
	4-Chlorotoluene	ND	0.001	-	mg/l
	4-Methyl-2-pentanone	ND	0.01	-	mg/l
	Acetone	ND	0.02	-	mg/l
	Benzene	ND	0.001	-	mg/l
	Bromobenzene	ND	0.001	-	mg/l
	Bromochloromethane	ND	0.001	-	mg/l
	Bromodichloromethane	ND	0.001	-	mg/l
	Bromoform	ND	0.001	-	mg/l
	Bromomethane	ND	0.002	-	mg/l
	Carbon disulfide	ND	0.001	-	mg/l
	Carbon tetrachloride	ND	0.001	-	mg/l
	Chlorobenzene	ND	0.001	-	mg/l
	Chloroethane	ND	0.001	-	mg/l
	Chloroform	ND	0.001	-	mg/l
	Chloromethane	ND	0.005	-	mg/l
	cis-1,2-Dichloroethene	ND	0.001	-	mg/l
	cis-1,3-Dichloropropene	ND	0.001	-	mg/l
	Dibromochloromethane	ND	0.001	-	mg/l
	Dibromomethane	ND	0.001	-	mg/l
	Dichlorodifluoromethane	ND	0.001	-	mg/l
	Ethylbenzene	ND	0.001	-	mg/l
	Hexachlorobutadiene	ND	0.001	-	mg/l
	Isopropylbenzene	ND	0.001	-	mg/l
	m,p-Xylene	ND	0.002	-	mg/l
	Methylene chloride	ND	0.005	-	mg/l

(continued)
Table 4 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-02-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 2
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8260B VOA Full List	Naphthalene	ND	0.001	-	mg/l
	n-Butylbenzene	ND	0.001	-	mg/l
	n-Propylbenzene	ND	0.001	-	mg/l
	o-Xylene	ND	0.001	-	mg/l
	p-Isopropyltoluene	ND	0.001	-	mg/l
	sec-Butylbenzene	ND	0.001	-	mg/l
	Styrene	ND	0.001	-	mg/l
	tert-Butylbenzene	ND	0.001	-	mg/l
	Tetrachloroethene	ND	0.001	-	mg/l
	Toluene	ND	0.001	-	mg/l
	trans-1,2-Dichloroethene	ND	0.001	-	mg/l
	trans-1,3-Dichloropropene	ND	0.001	-	mg/l
	Trichloroethene	ND	0.001	-	mg/l
	Trichlorofluoromethane	ND	0.001	-	mg/l
	Vinyl chloride	ND	0.001	-	mg/l
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.01	-	mg/l
	1,2-Dichlorobenzene	ND	0.01	-	mg/l
	1,3-Dichlorobenzene	ND	0.01	-	mg/l
	1,4-Dichlorobenzene	ND	0.01	-	mg/l
	2,4-Dinitrotoluene	ND	0.01	-	mg/l
	2,6-Dinitrotoluene	ND	0.01	-	mg/l
	2-Chloronaphthalene	ND	0.01	-	mg/l
	2-Methylnaphthalene	ND	0.01	-	mg/l
	3,3´-Dichlorobenzidine	ND	0.01	-	mg/l
	4-Bromophenyl phenyl ether	ND	0.01	-	mg/l
	4-Chloroaniline	ND	0.01	-	mg/l
	4-Chlorophenyl phenyl ether	ND	0.01	-	mg/l
	Acenaphthene	ND	0.01	-	mg/l
	Acenaphthylene	ND	0.01	-	mg/l
	Anthracene	ND	0.01	-	mg/l
	Benzo (a) anthracene	ND	0.01	-	mg/l
	Benzo (a) pyrene	ND	0.01	-	mg/l
	Benzo (b) fluoranthene	ND	0.01	-	mg/l
	Benzo (ghi) perylene	ND	0.01	-	mg/l
	Benzo (k) fluoranthene	ND	0.01	-	mg/l
	Benzyl alcohol	ND	0.01	-	mg/l
	Bis(2-chloroethoxy)methane	ND	0.01	-	mg/l
	Bis(2-chloroethyl)ether	ND	0.01	-	mg/l
	Bis(2-chloroisopropyl)ether	ND	0.01	-	mg/l
	Bis(2-ethylhexyl)phthalate	ND	0.05	-	mg/l
	Butyl benzyl phthalate	ND	0.01	-	mg/l
	Carbazole	ND	0.01	-	mg/l
	Chrysene	ND	0.01	-	mg/l
	Dibenz (a,h) anthracene	ND	0.01	-	mg/l
	Dibenzofuran	ND	0.01	-	mg/l
	Diethyl phthalate	ND	0.01	-	mg/l
	Dimethyl phthalate	ND	0.01	-	mg/l
	Di-n-butyl phthalate	ND	0.01	-	mg/l
	Di-n-octyl phthalate	ND	0.01	-	mg/l
	Fluoranthene	ND	0.01	-	mg/l
	Fluorene	ND	0.01	-	mg/l
	Hexachlorobenzene	ND	0.01	-	mg/l
	Hexachlorobutadiene	ND	0.01	-	mg/l
	Hexachlorocyclopentadiene	ND	0.01	-	mg/l
	Hexachloroethane	ND	0.01	-	mg/l
	Indeno (1,2,3-cd) pyrene	ND	0.01	-	mg/l
	Isophorone	ND	0.01	-	mg/l

(continued)
Table 4 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-02-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 2
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8270C SVOA Full List	Naphthalene	ND	0.01	-	mg/l
	Nitrobenzene	ND	0.01	-	mg/l
	Phenanthrene	ND	0.01	-	mg/l
	Pyrene	ND	0.01	-	mg/l
AK101 (GRO)	Gasoline Range Organics	ND	0.05	-	mg/l
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	0.370	-	mg/l
	Residual Range Organics	ND	0.370	-	mg/l
Al Total ICPMS 6020	Aluminum	ND	0.300	0.087	mg/l
As Total ICPMS 6020	Arsenic	ND	0.00100	0.15	mg/l
Ba Total ICPMS 6020	Barium	0.0123	0.0100	-	mg/l
Ca Total ICPMS 6020	Calcium	40.5	1.50	-	mg/l
Cd Total ICPMS 6020	Cadmium	ND	0.00100	0.0022	mg/l
Co Total ICPMS 6020	Cobalt	ND	0.00100	-	mg/l
Cr Total ICPMS 6020	Chromium	ND	0.00100	0.011	mg/l
Cu Total ICPMS 6020	Copper	0.00275	0.00100	0.009	mg/l
Fe Total ICPMS 6020	Iron	0.430	0.300	1	mg/l
Hg Total 7470/7471	Mercury	ND	0.000200	0.00077	mg/l
K Total ICPMS 6020	Potassium	1.18	0.600	-	mg/l
Mg Total ICPMS 6020	Magnesium	7.96	0.300	-	mg/l
Mn Total ICPMS 6020	Manganese	0.0920	0.0100	-	mg/l
Na Total ICPMS 6020	Sodium	16.2	0.300	-	mg/l
Ni Total ICPMS 6020	Nickel	ND	0.00100	0.052	mg/l
Pb Total ICPMS 6020	Lead	ND	0.00100	0.0025	mg/l
Sb Total ICPMS 6020	Antimony	ND	0.00300	-	mg/l
Se Total ICPMS 6020	Selenium	ND	0.00100	0.005	mg/l
V Total ICPMS 6020	Vanadium	ND	0.00100	-	mg/l
Zn Total ICPMS 6020	Zinc	ND	0.0100	0.12	mg/l

Notes:
* - The Water Quality Criteria listed is for total PCBs.
Water quality criteria is not available for all analytes.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/l - milligrams per liter.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 5 - Analytical Results for Filtered Surface Water Sample SHIP-SW-03-F (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 3
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8082 PCB Only	Aroclor 1016	ND	0.0005	0.000014*	mg/l
	Aroclor 1221	ND	0.0005	0.000014*	mg/l
	Aroclor 1232	ND	0.0005	0.000014*	mg/l
	Aroclor 1242	ND	0.0005	0.000014*	mg/l
	Aroclor 1248	ND	0.0005	0.000014*	mg/l
	Aroclor 1254	ND	0.0005	0.000014*	mg/l
	Aroclor 1260	ND	0.0005	0.000014*	mg/l
	Aroclor 1262	ND	0.0005	0.000014*	mg/l
	Aroclor 1268	ND	0.0005	0.000014*	mg/l
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.01	-	mg/l
	1,2-Dichlorobenzene	ND	0.01	-	mg/l
	1,3-Dichlorobenzene	ND	0.01	-	mg/l
	1,4-Dichlorobenzene	ND	0.01	-	mg/l
	2,4-Dinitrotoluene	ND	0.01	-	mg/l
	2,6-Dinitrotoluene	ND	0.01	-	mg/l
	2-Chloronaphthalene	ND	0.01	-	mg/l
	2-Methylnaphthalene	ND	0.01	-	mg/l
	3,3´-Dichlorobenzidine	ND	0.01	-	mg/l
	4-Bromophenyl phenyl ether	ND	0.01	-	mg/l
	4-Chloroaniline	ND	0.01	-	mg/l
	4-Chlorophenyl phenyl ether	ND	0.01	-	mg/l
	Acenaphthene	ND	0.01	-	mg/l
	Acenaphthylene	ND	0.01	-	mg/l
	Anthracene	ND	0.01	-	mg/l
	Benzo (a) anthracene	ND	0.01	-	mg/l
	Benzo (a) pyrene	ND	0.01	-	mg/l
	Benzo (b) fluoranthene	ND	0.01	-	mg/l
	Benzo (ghi) perylene	ND	0.01	-	mg/l
	Benzo (k) fluoranthene	ND	0.01	-	mg/l
	Benzyl alcohol	ND	0.01	-	mg/l
	Bis(2-chloroethoxy)methane	ND	0.01	-	mg/l
	Bis(2-chloroethyl)ether	ND	0.01	-	mg/l
	Bis(2-chloroisopropyl)ether	ND	0.01	-	mg/l
	Bis(2-ethylhexyl)phthalate	ND	0.05	-	mg/l
	Butyl benzyl phthalate	ND	0.01	-	mg/l
	Carbazole	ND	0.01	-	mg/l
	Chrysene	ND	0.01	-	mg/l
	Dibenz (a,h) anthracene	ND	0.01	-	mg/l
	Dibenzofuran	ND	0.01	-	mg/l
	Diethyl phthalate	ND	0.01	-	mg/l
	Dimethyl phthalate	ND	0.01	-	mg/l
	Di-n-butyl phthalate	ND	0.01	-	mg/l
	Di-n-octyl phthalate	ND	0.01	-	mg/l
	Fluoranthene	ND	0.01	-	mg/l
	Fluorene	ND	0.01	-	mg/l
	Hexachlorobenzene	ND	0.01	-	mg/l
	Hexachlorobutadiene	ND	0.01	-	mg/l
	Hexachlorocyclopentadiene	ND	0.01	-	mg/l
	Hexachloroethane	ND	0.01	-	mg/l
	Indeno (1,2,3-cd) pyrene	ND	0.01	-	mg/l
	Isophorone	ND	0.01	-	mg/l
	Naphthalene	ND	0.01	-	mg/l
	Nitrobenzene	ND	0.01	-	mg/l
	Phenanthrene	ND	0.01	-	mg/l
	Pyrene	ND	0.01	-	mg/l
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	0.370	-	mg/l
	Residual Range Organics	ND	0.370	-	mg/l

(continued)
Table 5 - Analytical Results for Filtered Surface Water Sample SHIP-SW-03-F (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 3
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
Al Total ICPMS 6020	Aluminum	ND	0.300	0.087	mg/l
As Total ICPMS 6020	Arsenic	ND	0.00100	0.15	mg/l
Ba Total ICPMS 6020	Barium	0.0105	0.0100	-	mg/l
Ca Total ICPMS 6020	Calcium	41.1	1.50	-	mg/l
Cd Total ICPMS 6020	Cadmium	ND	0.00100	0.0022	mg/l
Co Total ICPMS 6020	Cobalt	ND	0.00100	-	mg/l
Cr Total ICPMS 6020	Chromium	ND	0.00100	0.011	mg/l
Cu Total ICPMS 6020	Copper	0.00180	0.00100	0.009	mg/l
Fe Total ICPMS 6020	Iron	ND	0.300	1	mg/l
Hg Total 7470/7471	Mercury	ND	0.000200	0.00077	mg/l
K Total ICPMS 6020	Potassium	0.770	0.600	-	mg/l
Mg Total ICPMS 6020	Magnesium	6.93	0.300	-	mg/l
Mn Total ICPMS 6020	Manganese	0.0664	0.0100	-	mg/l
Na Total ICPMS 6020	Sodium	5.63	0.300	-	mg/l
Ni Total ICPMS 6020	Nickel	ND	0.00100	0.052	mg/l
Pb Total ICPMS 6020	Lead	ND	0.00100	0.0025	mg/l
Sb Total ICPMS 6020	Antimony	ND	0.00300	-	mg/l
Se Total ICPMS 6020	Selenium	ND	0.00100	0.005	mg/l
V Total ICPMS 6020	Vanadium	ND	0.00100	-	mg/l
Zn Total ICPMS 6020	Zinc	ND	0.0100	0.12	mg/l

Notes:
* - The Water Quality Criteria listed is for total PCBs.
Water quality criteria is not available for all analytes.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/l - milligrams per liter.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 6 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-03-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 3
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8082 PCB Only	Aroclor 1016	ND	0.0005	0.000014*	mg/l
	Aroclor 1221	ND	0.0005	0.000014*	mg/l
	Aroclor 1232	ND	0.0005	0.000014*	mg/l
	Aroclor 1242	ND	0.0005	0.000014*	mg/l
	Aroclor 1248	ND	0.0005	0.000014*	mg/l
	Aroclor 1254	ND	0.0005	0.000014*	mg/l
	Aroclor 1260	ND	0.0005	0.000014*	mg/l
	Aroclor 1262	ND	0.0005	0.000014*	mg/l
	Aroclor 1268	ND	0.0005	0.000014*	mg/l
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.001	-	mg/l
	1,1,1-Trichloroethane	ND	0.001	-	mg/l
	1,1,2,2-Tetrachloroethane	ND	0.001	-	mg/l
	1,1,2-Trichloroethane	ND	0.001	-	mg/l
	1,1-Dichloroethane	ND	0.001	-	mg/l
	1,1-Dichloroethene	ND	0.001	-	mg/l
	1,1-Dichloropropene	ND	0.001	-	mg/l
	1,2,3-Trichlorobenzene	ND	0.001	-	mg/l
	1,2,3-Trichloropropane	ND	0.001	-	mg/l
	1,2,4-Trichlorobenzene	ND	0.001	-	mg/l
	1,2,4-Trimethylbenzene	ND	0.001	-	mg/l
	1,2-Dibromo-3-chloropropane	ND	0.005	-	mg/l
	1,2-Dibromoethane	ND	0.001	-	mg/l
	1,2-Dichlorobenzene	ND	0.001	-	mg/l
	1,2-Dichloroethane	ND	0.001	-	mg/l
	1,2-Dichloropropane	ND	0.001	-	mg/l
	1,3,5-Trimethylbenzene	ND	0.001	-	mg/l
	1,3-Dichlorobenzene	ND	0.001	-	mg/l
	1,3-Dichloropropane	ND	0.001	-	mg/l
	1,4-Dichlorobenzene	ND	0.001	-	mg/l
	2,2-Dichloropropane	ND	0.001	-	mg/l
	2-Butanone	ND	0.01	-	mg/l
	2-Chlorotoluene	ND	0.001	-	mg/l
	2-Hexanone	ND	0.01	-	mg/l
	4-Chlorotoluene	ND	0.001	-	mg/l
	4-Methyl-2-pentanone	ND	0.01	-	mg/l
	Acetone	ND	0.02	-	mg/l
	Benzene	ND	0.001	-	mg/l
	Bromobenzene	ND	0.001	-	mg/l
	Bromochloromethane	ND	0.001	-	mg/l
	Bromodichloromethane	ND	0.001	-	mg/l
	Bromoform	ND	0.001	-	mg/l
	Bromomethane	ND	0.002	-	mg/l
	Carbon disulfide	ND	0.001	-	mg/l
	Carbon tetrachloride	ND	0.001	-	mg/l
	Chlorobenzene	ND	0.001	-	mg/l
	Chloroethane	ND	0.001	-	mg/l
	Chloroform	ND	0.001	-	mg/l
	Chloromethane	ND	0.005	-	mg/l
	cis-1,2-Dichloroethene	ND	0.001	-	mg/l
	cis-1,3-Dichloropropene	ND	0.001	-	mg/l
	Dibromochloromethane	ND	0.001	-	mg/l
	Dibromomethane	ND	0.001	-	mg/l
	Dichlorodifluoromethane	ND	0.001	-	mg/l
	Ethylbenzene	ND	0.001	-	mg/l
	Hexachlorobutadiene	ND	0.001	-	mg/l
	Isopropylbenzene	ND	0.001	-	mg/l
	m,p-Xylene	ND	0.002	-	mg/l
	Methylene chloride	ND	0.005	-	mg/l

(continued)
Table 6 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-03-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 3
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8260B VOA Full List	Naphthalene	ND	0.001	-	mg/l
	n-Butylbenzene	ND	0.001	-	mg/l
	n-Propylbenzene	ND	0.001	-	mg/l
	o-Xylene	ND	0.001	-	mg/l
	p-Isopropyltoluene	ND	0.001	-	mg/l
	sec-Butylbenzene	ND	0.001	-	mg/l
	Styrene	ND	0.001	-	mg/l
	tert-Butylbenzene	ND	0.001	-	mg/l
	Tetrachloroethene	ND	0.001	-	mg/l
	Toluene	ND	0.001	-	mg/l
	trans-1,2-Dichloroethene	ND	0.001	-	mg/l
	trans-1,3-Dichloropropene	ND	0.001	-	mg/l
	Trichloroethene	ND	0.001	-	mg/l
	Trichlorofluoromethane	ND	0.001	-	mg/l
	Vinyl chloride	ND	0.001	-	mg/l
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.01	-	mg/l
	1,2-Dichlorobenzene	ND	0.01	-	mg/l
	1,3-Dichlorobenzene	ND	0.01	-	mg/l
	1,4-Dichlorobenzene	ND	0.01	-	mg/l
	2,4-Dinitrotoluene	ND	0.01	-	mg/l
	2,6-Dinitrotoluene	ND	0.01	-	mg/l
	2-Chloronaphthalene	ND	0.01	-	mg/l
	2-Methylnaphthalene	ND	0.01	-	mg/l
	3,3´-Dichlorobenzidine	ND	0.01	-	mg/l
	4-Bromophenyl phenyl ether	ND	0.01	-	mg/l
	4-Chloroaniline	ND	0.01	-	mg/l
	4-Chlorophenyl phenyl ether	ND	0.01	-	mg/l
	Acenaphthene	ND	0.01	-	mg/l
	Acenaphthylene	ND	0.01	-	mg/l
	Anthracene	ND	0.01	-	mg/l
	Benzo (a) anthracene	ND	0.01	-	mg/l
	Benzo (a) pyrene	ND	0.01	-	mg/l
	Benzo (b) fluoranthene	ND	0.01	-	mg/l
	Benzo (ghi) perylene	ND	0.01	-	mg/l
	Benzo (k) fluoranthene	ND	0.01	-	mg/l
	Benzyl alcohol	ND	0.01	-	mg/l
	Bis(2-chloroethoxy)methane	ND	0.01	-	mg/l
	Bis(2-chloroethyl)ether	ND	0.01	-	mg/l
	Bis(2-chloroisopropyl)ether	ND	0.01	-	mg/l
	Bis(2-ethylhexyl)phthalate	ND	0.05	-	mg/l
	Butyl benzyl phthalate	ND	0.01	-	mg/l
	Carbazole	ND	0.01	-	mg/l
	Chrysene	ND	0.01	-	mg/l
	Dibenz (a,h) anthracene	ND	0.01	-	mg/l
	Dibenzofuran	ND	0.01	-	mg/l
	Diethyl phthalate	ND	0.01	-	mg/l
	Dimethyl phthalate	ND	0.01	-	mg/l
	Di-n-butyl phthalate	ND	0.01	-	mg/l
	Di-n-octyl phthalate	ND	0.01	-	mg/l
	Fluoranthene	ND	0.01	-	mg/l
	Fluorene	ND	0.01	-	mg/l
	Hexachlorobenzene	ND	0.01	-	mg/l
	Hexachlorobutadiene	ND	0.01	-	mg/l
	Hexachlorocyclopentadiene	ND	0.01	-	mg/l
	Hexachloroethane	ND	0.01	-	mg/l
	Indeno (1,2,3-cd) pyrene	ND	0.01	-	mg/l
	Isophorone	ND	0.01	-	mg/l

(continued)
Table 6 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-03-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 3
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8270C SVOA Full List	Naphthalene	ND	0.01	-	mg/l
	Nitrobenzene	ND	0.01	-	mg/l
	Phenanthrene	ND	0.01	-	mg/l
	Pyrene	ND	0.01	-	mg/l
AK101 (GRO)	Gasoline Range Organics	ND	50.0	-	ug/l
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	0.370	-	mg/l
	Residual Range Organics	ND	0.370	-	mg/l
Al Total ICPMS 6020	Aluminum	ND	0.300	0.087	mg/l
As Total ICPMS 6020	Arsenic	ND	0.00100	0.15	mg/l
Ba Total ICPMS 6020	Barium	0.0116	0.0100	-	mg/l
Ca Total ICPMS 6020	Calcium	40.8	1.50	-	mg/l
Cd Total ICPMS 6020	Cadmium	ND	0.00100	0.0022	mg/l
Co Total ICPMS 6020	Cobalt	ND	0.00100	-	mg/l
Cr Total ICPMS 6020	Chromium	ND	0.00100	0.011	mg/l
Cu Total ICPMS 6020	Copper	0.00274	0.00100	0.009	mg/l
Fe Total ICPMS 6020	Iron	0.330	0.300	1	mg/l
Hg Total 7470/7471	Mercury	ND	0.000200	0.00077	mg/l
K Total ICPMS 6020	Potassium	0.780	0.600	-	mg/l
Mg Total ICPMS 6020	Magnesium	6.76	0.300	-	mg/l
Mn Total ICPMS 6020	Manganese	0.0957	0.0100	-	mg/l
Na Total ICPMS 6020	Sodium	5.46	0.300	-	mg/l
Ni Total ICPMS 6020	Nickel	ND	0.00100	0.052	mg/l
Pb Total ICPMS 6020	Lead	ND	0.00100	0.0025	mg/l
Sb Total ICPMS 6020	Antimony	ND	0.00300	-	mg/l
Se Total ICPMS 6020	Selenium	ND	0.00100	0.005	mg/l
V Total ICPMS 6020	Vanadium	ND	0.00100	-	mg/l
Zn Total ICPMS 6020	Zinc	ND	0.0100	0.12	mg/l

Notes:
* - The Water Quality Criteria listed is for total PCBs.
Water quality criteria is not available for all analytes.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/l - milligrams per liter.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 7 - Analytical Results for Filtered Surface Water Sample SHIP-SW-04-F (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8082 PCB Only	Aroclor 1016	ND	0.0005	0.000014*	mg/l
	Aroclor 1221	ND	0.0005	0.000014*	mg/l
	Aroclor 1232	ND	0.0005	0.000014*	mg/l
	Aroclor 1242	ND	0.0005	0.000014*	mg/l
	Aroclor 1248	ND	0.0005	0.000014*	mg/l
	Aroclor 1254	ND	0.0005	0.000014*	mg/l
	Aroclor 1260	ND	0.0005	0.000014*	mg/l
	Aroclor 1262	ND	0.0005	0.000014*	mg/l
	Aroclor 1268	ND	0.0005	0.000014*	mg/l
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.01	-	mg/l
	1,2-Dichlorobenzene	ND	0.01	-	mg/l
	1,3-Dichlorobenzene	ND	0.01	-	mg/l
	1,4-Dichlorobenzene	ND	0.01	-	mg/l
	2,4-Dinitrotoluene	ND	0.01	-	mg/l
	2,6-Dinitrotoluene	ND	0.01	-	mg/l
	2-Chloronaphthalene	ND	0.01	-	mg/l
	2-Methylnaphthalene	ND	0.01	-	mg/l
	3,3'-Dichlorobenzidine	ND	0.01	-	mg/l
	4-Bromophenyl phenyl ether	ND	0.01	-	mg/l
	4-Chloroaniline	ND	0.01	-	mg/l
	4-Chlorophenyl phenyl ether	ND	0.01	-	mg/l
	Acenaphthene	ND	0.01	-	mg/l
	Acenaphthylene	ND	0.01	-	mg/l
	Anthracene	ND	0.01	-	mg/l
	Benzo (a) anthracene	ND	0.01	-	mg/l
	Benzo (a) pyrene	ND	0.01	-	mg/l
	Benzo (b) fluoranthene	ND	0.01	-	mg/l
	Benzo (ghi) perylene	ND	0.01	-	mg/l
	Benzo (k) fluoranthene	ND	0.01	-	mg/l
	Benzyl alcohol	ND	0.01	-	mg/l
	Bis(2-chloroethoxy)methane	ND	0.01	-	mg/l
	Bis(2-chloroethyl)ether	ND	0.01	-	mg/l
	Bis(2-chloroisopropyl)ether	ND	0.01	-	mg/l
	Bis(2-ethylhexyl)phthalate	ND	0.05	-	mg/l
	Butyl benzyl phthalate	ND	0.01	-	mg/l
	Carbazole	ND	0.01	-	mg/l
	Chrysene	ND	0.01	-	mg/l
	Dibenz (a,h) anthracene	ND	0.01	-	mg/l
	Dibenzofuran	ND	0.01	-	mg/l
	Diethyl phthalate	ND	0.01	-	mg/l
	Dimethyl phthalate	ND	0.01	-	mg/l
	Di-n-butyl phthalate	ND	0.01	-	mg/l
	Di-n-octyl phthalate	ND	0.01	-	mg/l
	Fluoranthene	ND	0.01	-	mg/l
	Fluorene	ND	0.01	-	mg/l
	Hexachlorobenzene	ND	0.01	-	mg/l
	Hexachlorobutadiene	ND	0.01	-	mg/l
	Hexachlorocyclopentadiene	ND	0.01	-	mg/l
	Hexachloroethane	ND	0.01	-	mg/l
	Indeno (1,2,3-cd) pyrene	ND	0.01	-	mg/l
	Isophorone	ND	0.01	-	mg/l
	Naphthalene	ND	0.01	-	mg/l
	Nitrobenzene	ND	0.01	-	mg/l
	Phenanthrene	ND	0.01	-	mg/l
	Pyrene	ND	0.01	-	mg/l
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	0.400	-	mg/l
	Residual Range Organics	ND	0.400	-	mg/l

(continued)

Table 7 - Analytical Results for Filtered Surface Water Sample SHIP-SW-04-F (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
Al Total ICPMS 6020	Aluminum	ND	0.300	0.087	mg/l
As Total ICPMS 6020	Arsenic	ND	0.00100	0.15	mg/l
Ba Total ICPMS 6020	Barium	0.0100	0.0100	-	mg/l
Ca Total ICPMS 6020	Calcium	39.0	1.50	-	mg/l
Cd Total ICPMS 6020	Cadmium	ND	0.00100	0.0022	mg/l
Co Total ICPMS 6020	Cobalt	ND	0.00100	-	mg/l
Cr Total ICPMS 6020	Chromium	ND	0.00100	0.011	mg/l
Cu Total ICPMS 6020	Copper	0.00177	0.00100	0.009	mg/l
Fe Total ICPMS 6020	Iron	ND	0.300	1	mg/l
Hg Total 7470/7471	Mercury	ND	0.000200	0.00077	mg/l
K Total ICPMS 6020	Potassium	0.670	0.600	-	mg/l
Mg Total ICPMS 6020	Magnesium	6.11	0.300	-	mg/l
Mn Total ICPMS 6020	Manganese	0.0782	0.0100	-	mg/l
Na Total ICPMS 6020	Sodium	4.00	0.300	-	mg/l
Ni Total ICPMS 6020	Nickel	0.00123	0.00100	0.052	mg/l
Pb Total ICPMS 6020	Lead	ND	0.00100	0.0025	mg/l
Sb Total ICPMS 6020	Antimony	ND	0.00300	-	mg/l
Se Total ICPMS 6020	Selenium	ND	0.00100	0.005	mg/l
V Total ICPMS 6020	Vanadium	ND	0.00100	-	mg/l
Zn Total ICPMS 6020	Zinc	ND	0.0100	0.12	mg/l

Notes:
* - The Water Quality Criteria listed is for total PCBs.
Water quality criteria is not available for all analytes.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/l - milligrams per liter.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 8 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-04-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8082 PCB Only	Aroclor 1016	ND	0.0005	0.000014*	mg/l
	Aroclor 1221	ND	0.0005	0.000014*	mg/l
	Aroclor 1232	ND	0.0005	0.000014*	mg/l
	Aroclor 1242	ND	0.0005	0.000014*	mg/l
	Aroclor 1248	ND	0.0005	0.000014*	mg/l
	Aroclor 1254	ND	0.0005	0.000014*	mg/l
	Aroclor 1260	ND	0.0005	0.000014*	mg/l
	Aroclor 1262	ND	0.0005	0.000014*	mg/l
	Aroclor 1268	ND	0.0005	0.000014*	mg/l
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.001	-	mg/l
	1,1,1-Trichloroethane	ND	0.001	-	mg/l
	1,1,2,2-Tetrachloroethane	ND	0.001	-	mg/l
	1,1,2-Trichloroethane	ND	0.001	-	mg/l
	1,1-Dichloroethane	ND	0.001	-	mg/l
	1,1-Dichloroethene	ND	0.001	-	mg/l
	1,1-Dichloropropene	ND	0.001	-	mg/l
	1,2,3-Trichlorobenzene	ND	0.001	-	mg/l
	1,2,3-Trichloropropane	ND	0.001	-	mg/l
	1,2,4-Trichlorobenzene	ND	0.001	-	mg/l
	1,2,4-Trimethylbenzene	ND	0.001	-	mg/l
	1,2-Dibromo-3-chloropropane	ND	0.005	-	mg/l
	1,2-Dibromoethane	ND	0.001	-	mg/l
	1,2-Dichlorobenzene	ND	0.001	-	mg/l
	1,2-Dichloroethane	ND	0.001	-	mg/l
	1,2-Dichloropropane	ND	0.001	-	mg/l
	1,3,5-Trimethylbenzene	ND	0.001	-	mg/l
	1,3-Dichlorobenzene	ND	0.001	-	mg/l
	1,3-Dichloropropane	ND	0.001	-	mg/l
	1,4-Dichlorobenzene	ND	0.001	-	mg/l
	2,2-Dichloropropane	ND	0.001	-	mg/l
	2-Butanone	ND	0.01	-	mg/l
	2-Chlorotoluene	ND	0.001	-	mg/l
	2-Hexanone	ND	0.01	-	mg/l
	4-Chlorotoluene	ND	0.001	-	mg/l
	4-Methyl-2-pentanone	ND	0.01	-	mg/l
	Acetone	ND	0.02	-	mg/l
	Benzene	ND	0.001	-	mg/l
	Bromobenzene	ND	0.001	-	mg/l
	Bromochloromethane	ND	0.001	-	mg/l
	Bromodichloromethane	ND	0.001	-	mg/l
	Bromoform	ND	0.001	-	mg/l
	Bromomethane	ND	0.002	-	mg/l
	Carbon disulfide	ND	0.001	-	mg/l
	Carbon tetrachloride	ND	0.001	-	mg/l
	Chlorobenzene	ND	0.001	-	mg/l
	Chloroethane	ND	0.001	-	mg/l
	Chloroform	ND	0.001	-	mg/l
	Chloromethane	ND	0.005	-	mg/l
	cis-1,2-Dichloroethene	ND	0.001	-	mg/l
	cis-1,3-Dichloropropene	ND	0.001	-	mg/l
	Dibromochloromethane	ND	0.001	-	mg/l
	Dibromomethane	ND	0.001	-	mg/l
	Dichlorodifluoromethane	ND	0.001	-	mg/l
	Ethylbenzene	ND	0.001	-	mg/l
	Hexachlorobutadiene	ND	0.001	-	mg/l
	Isopropylbenzene	ND	0.001	-	mg/l
	m,p-Xylene	ND	0.002	-	mg/l
	Methylene chloride	ND	0.005	-	mg/l

(continued)
Table 8 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-04-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8260B VOA Full List	Naphthalene	ND	0.001	-	mg/l
	n-Butylbenzene	ND	0.001	-	mg/l
	n-Propylbenzene	ND	0.001	-	mg/l
	o-Xylene	ND	0.001	-	mg/l
	p-Isopropyltoluene	ND	0.001	-	mg/l
	sec-Butylbenzene	ND	0.001	-	mg/l
	Styrene	ND	0.001	-	mg/l
	tert-Butylbenzene	ND	0.001	-	mg/l
	Tetrachloroethene	ND	0.001	-	mg/l
	Toluene	ND	0.001	-	mg/l
	trans-1,2-Dichloroethene	ND	0.001	-	mg/l
	trans-1,3-Dichloropropene	ND	0.001	-	mg/l
	Trichloroethene	ND	0.001	-	mg/l
	Trichlorofluoromethane	ND	0.001	-	mg/l
	Vinyl chloride	ND	0.001	-	mg/l
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.01	-	mg/l
	1,2-Dichlorobenzene	ND	0.01	-	mg/l
	1,3-Dichlorobenzene	ND	0.01	-	mg/l
	1,4-Dichlorobenzene	ND	0.01	-	mg/l
	2,4-Dinitrotoluene	ND	0.01	-	mg/l
	2,6-Dinitrotoluene	ND	0.01	-	mg/l
	2-Chloronaphthalene	ND	0.01	-	mg/l
	2-Methylnaphthalene	ND	0.01	-	mg/l
	3,3´-Dichlorobenzidine	ND	0.01	-	mg/l
	4-Bromophenyl phenyl ether	ND	0.01	-	mg/l
	4-Chloroaniline	ND	0.01	-	mg/l
	4-Chlorophenyl phenyl ether	ND	0.01	-	mg/l
	Acenaphthene	ND	0.01	-	mg/l
	Acenaphthylene	ND	0.01	-	mg/l
	Anthracene	ND	0.01	-	mg/l
	Benzo (a) anthracene	ND	0.01	-	mg/l
	Benzo (a) pyrene	ND	0.01	-	mg/l
	Benzo (b) fluoranthene	ND	0.01	-	mg/l
	Benzo (ghi) perylene	ND	0.01	-	mg/l
	Benzo (k) fluoranthene	ND	0.01	-	mg/l
	Benzyl alcohol	ND	0.01	-	mg/l
	Bis(2-chloroethoxy)methane	ND	0.01	-	mg/l
	Bis(2-chloroethyl)ether	ND	0.01	-	mg/l
	Bis(2-chloroisopropyl)ether	ND	0.01	-	mg/l
	Bis(2-ethylhexyl)phthalate	ND	0.05	-	mg/l
	Butyl benzyl phthalate	ND	0.01	-	mg/l
	Carbazole	ND	0.01	-	mg/l
	Chrysene	ND	0.01	-	mg/l
	Dibenz (a,h) anthracene	ND	0.01	-	mg/l
	Dibenzofuran	ND	0.01	-	mg/l
	Diethyl phthalate	ND	0.01	-	mg/l
	Dimethyl phthalate	ND	0.01	-	mg/l
	Di-n-butyl phthalate	ND	0.01	-	mg/l
	Di-n-octyl phthalate	ND	0.01	-	mg/l
	Fluoranthene	ND	0.01	-	mg/l
	Fluorene	ND	0.01	-	mg/l
	Hexachlorobenzene	ND	0.01	-	mg/l
	Hexachlorobutadiene	ND	0.01	-	mg/l
	Hexachlorocyclopentadiene	ND	0.01	-	mg/l
	Hexachloroethane	ND	0.01	-	mg/l
	Indeno (1,2,3-cd) pyrene	ND	0.01	-	mg/l
	Isophorone	ND	0.01	-	mg/l

(continued)
Table 8 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-04-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8270C SVOA Full List	Naphthalene	ND	0.01	-	mg/l
	Nitrobenzene	ND	0.01	-	mg/l
	Phenanthrene	ND	0.01	-	mg/l
	Pyrene	ND	0.01	-	mg/l
AK101 (GRO)	Gasoline Range Organics	ND	50.0	-	ug/l
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	0.400	-	mg/l
	Residual Range Organics	ND	0.400	-	mg/l
Al Total ICPMS 6020	Aluminum	0.390	0.300	0.087	mg/l
As Total ICPMS 6020	Arsenic	ND	0.00100	0.15	mg/l
Ba Total ICPMS 6020	Barium	0.0136	0.0100	-	mg/l
Ca Total ICPMS 6020	Calcium	40.3	1.50	-	mg/l
Cd Total ICPMS 6020	Cadmium	ND	0.00100	0.0022	mg/l
Co Total ICPMS 6020	Cobalt	ND	0.00100	-	mg/l
Cr Total ICPMS 6020	Chromium	ND	0.00100	0.011	mg/l
Cu Total ICPMS 6020	Copper	0.00395	0.00100	0.009	mg/l
Fe Total ICPMS 6020	Iron	0.590	0.300	1	mg/l
Hg Total 7470/7471	Mercury	ND	0.000200	0.00077	mg/l
K Total ICPMS 6020	Potassium	0.760	0.600	-	mg/l
Mg Total ICPMS 6020	Magnesium	6.53	0.300	-	mg/l
Mn Total ICPMS 6020	Manganese	0.136	0.0100	-	mg/l
Na Total ICPMS 6020	Sodium	4.12	0.300	-	mg/l
Ni Total ICPMS 6020	Nickel	ND	0.00100	0.052	mg/l
Pb Total ICPMS 6020	Lead	ND	0.00100	0.0025	mg/l
Sb Total ICPMS 6020	Antimony	ND	0.00300	-	mg/l
Se Total ICPMS 6020	Selenium	ND	0.00100	0.005	mg/l
V Total ICPMS 6020	Vanadium	0.00124	0.00100	-	mg/l
Zn Total ICPMS 6020	Zinc	ND	0.0100	0.12	mg/l

Notes:
* - The Water Quality Criteria listed is for total PCBs.
Water quality criteria is not available for all analytes.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/l - milligrams per liter.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 9 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-041F (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

METHOD CODE	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.001	-	mg/l
	1,1,1-Trichloroethane	ND	0.001	-	mg/l
	1,1,2,2-Tetrachloroethane	ND	0.001	-	mg/l
	1,1,2-Trichloroethane	ND	0.001	-	mg/l
	1,1-Dichloroethane	ND	0.001	-	mg/l
	1,1-Dichloroethene	ND	0.001	-	mg/l
	1,1-Dichloropropene	ND	0.001	-	mg/l
	1,2,3-Trichlorobenzene	ND	0.001	-	mg/l
	1,2,3-Trichloropropane	ND	0.001	-	mg/l
	1,2,4-Trichlorobenzene	ND	0.001	-	mg/l
	1,2,4-Trimethylbenzene	ND	0.001	-	mg/l
	1,2-Dibromo-3-chloropropane	ND	0.005	-	mg/l
	1,2-Dibromoethane	ND	0.001	-	mg/l
	1,2-Dichlorobenzene	ND	0.001	-	mg/l
	1,2-Dichloroethane	ND	0.001	-	mg/l
	1,2-Dichloropropane	ND	0.001	-	mg/l
	1,3,5-Trimethylbenzene	ND	0.001	-	mg/l
	1,3-Dichlorobenzene	ND	0.001	-	mg/l
	1,3-Dichloropropane	ND	0.001	-	mg/l
	1,4-Dichlorobenzene	ND	0.001	-	mg/l
	2,2-Dichloropropane	ND	0.001	-	mg/l
	2-Butanone	ND	0.01	-	mg/l
	2-Chlorotoluene	ND	0.001	-	mg/l
	2-Hexanone	ND	0.01	-	mg/l
	4-Chlorotoluene	ND	0.001	-	mg/l
	4-Methyl-2-pentanone	ND	0.01	-	mg/l
	Acetone	ND	0.02	-	mg/l
	Benzene	ND	0.001	-	mg/l
	Bromobenzene	ND	0.001	-	mg/l
	Bromochloromethane	ND	0.001	-	mg/l
	Bromodichloromethane	ND	0.001	-	mg/l
	Bromoform	ND	0.001	-	mg/l
	Bromomethane	ND	0.002	-	mg/l
	Carbon disulfide	ND	0.001	-	mg/l
	Carbon tetrachloride	ND	0.001	-	mg/l
	Chlorobenzene	ND	0.001	-	mg/l
	Chloroethane	ND	0.001	-	mg/l
	Chloroform	ND	0.001	-	mg/l
	Chloromethane	ND	0.005	-	mg/l
	cis-1,2-Dichloroethene	ND	0.001	-	mg/l
	cis-1,3-Dichloropropene	ND	0.001	-	mg/l
	Dibromochloromethane	ND	0.001	-	mg/l
	Dibromomethane	ND	0.001	-	mg/l
	Dichlorodifluoromethane	ND	0.001	-	mg/l
	Ethylbenzene	ND	0.001	-	mg/l
	Hexachlorobutadiene	ND	0.001	-	mg/l
	Isopropylbenzene	ND	0.001	-	mg/l
	m,p-Xylene	ND	0.002	-	mg/l
	Methylene chloride	ND	0.005	-	mg/l
	Naphthalene	ND	0.001	-	mg/l
	n-Butylbenzene	ND	0.001	-	mg/l
	n-Propylbenzene	ND	0.001	-	mg/l
	o-Xylene	ND	0.001	-	mg/l
	p-Isopropyltoluene	ND	0.001	-	mg/l
	sec-Butylbenzene	ND	0.001	-	mg/l
	Styrene	ND	0.001	-	mg/l
	tert-Butylbenzene	ND	0.001	-	mg/l
	Tetrachloroethene	ND	0.001	-	mg/l
	Toluene	ND	0.001	-	mg/l
	trans-1,2-Dichloroethene	ND	0.001	-	mg/l
	trans-1,3-Dichloropropene	ND	0.001	-	mg/l
	Trichloroethene	ND	0.001	-	mg/l
	Trichlorofluoromethane	ND	0.001	-	mg/l
	Vinyl chloride	ND	0.001	-	mg/l

(continued)
Table 9 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-041F (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

METHOD CODE	ANALYTE	RESULT	RL	WATER QUALITY CRITERIA	UNITS
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.01	-	mg/l
	1,2-Dichlorobenzene	ND	0.01	-	mg/l
	1,3-Dichlorobenzene	ND	0.01	-	mg/l
	1,4-Dichlorobenzene	ND	0.01	-	mg/l
	2,4-Dinitrotoluene	ND	0.01	-	mg/l
	2,6-Dinitrotoluene	ND	0.01	-	mg/l
	2-Chloronaphthalene	ND	0.01	-	mg/l
	2-Methylnaphthalene	ND	0.01	-	mg/l
	3,3´-Dichlorobenzidine	ND	0.01	-	mg/l
	4-Bromophenyl phenyl ether	ND	0.01	-	mg/l
	4-Chloroaniline	ND	0.01	-	mg/l
	4-Chlorophenyl phenyl ether	ND	0.01	-	mg/l
	Acenaphthene	ND	0.01	-	mg/l
	Acenaphthylene	ND	0.01	-	mg/l
	Anthracene	ND	0.01	-	mg/l
	Benzo (a) anthracene	ND	0.01	-	mg/l
	Benzo (a) pyrene	ND	0.01	-	mg/l
	Benzo (b) fluoranthene	ND	0.01	-	mg/l
	Benzo (ghi) perylene	ND	0.01	-	mg/l
	Benzo (k) fluoranthene	ND	0.01	-	mg/l
	Benzyl alcohol	ND	0.01	-	mg/l
	Bis(2-chloroethoxy)methane	ND	0.01	-	mg/l
	Bis(2-chloroethyl)ether	ND	0.01	-	mg/l
	Bis(2-chloroisopropyl)ether	ND	0.01	-	mg/l
	Bis(2-ethylhexyl)phthalate	ND	0.05	-	mg/l
	Butyl benzyl phthalate	ND	0.01	-	mg/l
	Carbazole	ND	0.01	-	mg/l
	Chrysene	ND	0.01	-	mg/l
	Dibenz (a,h) anthracene	ND	0.01	-	mg/l
	Dibenzofuran	ND	0.01	-	mg/l
	Diethyl phthalate	ND	0.01	-	mg/l
	Dimethyl phthalate	ND	0.01	-	mg/l
	Di-n-butyl phthalate	ND	0.01	-	mg/l
	Di-n-octyl phthalate	ND	0.01	-	mg/l
	Fluoranthene	ND	0.01	-	mg/l
	Fluorene	ND	0.01	-	mg/l
	Hexachlorobenzene	ND	0.01	-	mg/l
	Hexachlorobutadiene	ND	0.01	-	mg/l
	Hexachlorocyclopentadiene	ND	0.01	-	mg/l
	Hexachloroethane	ND	0.01	-	mg/l
	Indeno (1,2,3-cd) pyrene	ND	0.01	-	mg/l
	Isophorone	ND	0.01	-	mg/l
	Naphthalene	ND	0.01	-	mg/l
	Nitrobenzene	ND	0.01	-	mg/l
	Phenanthrene	ND	0.01	-	mg/l
	Pyrene	ND	0.01	-	mg/l
AK101 (GRO)	Gasoline Range Organics	ND	0.05	-	mg/l
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	0.370	-	mg/l
	Residual Range Organics	ND	0.370	-	mg/l

Notes:
Water quality criteria is not available for all analytes.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/l - milligrams per liter.
ND - Not detected at the reporting limit shown.
RRO - Residual-range organics.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 10 - Analytical Results for Filtered Surface Water Sample SHIP-SW-05-F (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 5
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8082 PCB Only	Aroclor 1016	ND	0.0005	0.000014*	mg/l
	Aroclor 1221	ND	0.0005	0.000014*	mg/l
	Aroclor 1232	ND	0.0005	0.000014*	mg/l
	Aroclor 1242	ND	0.0005	0.000014*	mg/l
	Aroclor 1248	ND	0.0005	0.000014*	mg/l
	Aroclor 1254	ND	0.0005	0.000014*	mg/l
	Aroclor 1260	ND	0.0005	0.000014*	mg/l
	Aroclor 1262	ND	0.0005	0.000014*	mg/l
	Aroclor 1268	ND	0.0005	0.000014*	mg/l
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.01	-	mg/l
	1,2-Dichlorobenzene	ND	0.01	-	mg/l
	1,3-Dichlorobenzene	ND	0.01	-	mg/l
	1,4-Dichlorobenzene	ND	0.01	-	mg/l
	2,4-Dinitrotoluene	ND	0.01	-	mg/l
	2,6-Dinitrotoluene	ND	0.01	-	mg/l
	2-Chloronaphthalene	ND	0.01	-	mg/l
	2-Methylnaphthalene	ND	0.01	-	mg/l
	3,3´-Dichlorobenzidine	ND	0.01	-	mg/l
	4-Bromophenyl phenyl ether	ND	0.01	-	mg/l
	4-Chloroaniline	ND	0.01	-	mg/l
	4-Chlorophenyl phenyl ether	ND	0.01	-	mg/l
	Acenaphthene	ND	0.01	-	mg/l
	Acenaphthylene	ND	0.01	-	mg/l
	Anthracene	ND	0.01	-	mg/l
	Benzo (a) anthracene	ND	0.01	-	mg/l
	Benzo (a) pyrene	ND	0.01	-	mg/l
	Benzo (b) fluoranthene	ND	0.01	-	mg/l
	Benzo (ghi) perylene	ND	0.01	-	mg/l
	Benzo (k) fluoranthene	ND	0.01	-	mg/l
	Benzyl alcohol	ND	0.01	-	mg/l
	Bis(2-chloroethoxy)methane	ND	0.01	-	mg/l
	Bis(2-chloroethyl)ether	ND	0.01	-	mg/l
	Bis(2-chloroisopropyl)ether	ND	0.01	-	mg/l
	Bis(2-ethylhexyl)phthalate	ND	0.05	-	mg/l
	Butyl benzyl phthalate	ND	0.01	-	mg/l
	Carbazole	ND	0.01	-	mg/l
	Chrysene	ND	0.01	-	mg/l
	Dibenz (a,h) anthracene	ND	0.01	-	mg/l
	Dibenzofuran	ND	0.01	-	mg/l
	Diethyl phthalate	ND	0.01	-	mg/l
	Dimethyl phthalate	ND	0.01	-	mg/l
	Di-n-butyl phthalate	ND	0.01	-	mg/l
	Di-n-octyl phthalate	ND	0.01	-	mg/l
	Fluoranthene	ND	0.01	-	mg/l
	Fluorene	ND	0.01	-	mg/l
	Hexachlorobenzene	ND	0.01	-	mg/l
	Hexachlorobutadiene	ND	0.01	-	mg/l
	Hexachlorocyclopentadiene	ND	0.01	-	mg/l
	Hexachloroethane	ND	0.01	-	mg/l
	Indeno (1,2,3-cd) pyrene	ND	0.01	-	mg/l
	Isophorone	ND	0.01	-	mg/l
	Phenanthrene	ND	0.01	-	mg/l
	Naphthalene	ND	0.01	-	mg/l
	Nitrobenzene	ND	0.01	-	mg/l
	Pyrene	ND	0.01	-	mg/l
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	0.400	-	mg/l
	Residual Range Organics	ND	0.400	-	mg/l

(continued)
Table 10 - Analytical Results for Filtered Surface Water Sample SHIP-SW-05-F (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 5
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
Al Total ICPMS 6020	Aluminum	ND	0.300	0.087	mg/l
As Total ICPMS 6020	Arsenic	ND	0.00100	0.15	mg/l
Ba Total ICPMS 6020	Barium	ND	0.0100	-	mg/l
Ca Total ICPMS 6020	Calcium	40.5	1.50	-	mg/l
Cd Total ICPMS 6020	Cadmium	ND	0.00100	0.0022	mg/l
Co Total ICPMS 6020	Cobalt	ND	0.00100	-	mg/l
Cr Total ICPMS 6020	Chromium	ND	0.00100	0.011	mg/l
Cu Total ICPMS 6020	Copper	ND	0.00100	0.009	mg/l
Fe Total ICPMS 6020	Iron	ND	0.300	1	mg/l
Hg Total 7470/7471	Mercury	ND	0.000200	0.00077	mg/l
K Total ICPMS 6020	Potassium	0.600	0.600	-	mg/l
Mg Total ICPMS 6020	Magnesium	5.96	0.300	-	mg/l
Mn Total ICPMS 6020	Manganese	0.166	0.0100	-	mg/l
Na Total ICPMS 6020	Sodium	3.57	0.300	-	mg/l
Ni Total ICPMS 6020	Nickel	ND	0.00100	0.052	mg/l
Pb Total ICPMS 6020	Lead	ND	0.00100	0.0025	mg/l
Sb Total ICPMS 6020	Antimony	ND	0.00300	-	mg/l
Se Total ICPMS 6020	Selenium	ND	0.00100	0.005	mg/l
V Total ICPMS 6020	Vanadium	ND	0.00100	-	mg/l
Zn Total ICPMS 6020	Zinc	ND	0.0100	0.12	mg/l

Notes:
* - The Water Quality Criteria listed is for total PCBs.
Water quality criteria is not available for all analytes.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/l - milligrams per liter.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 11 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-05-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 5
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8082 PCB Only	Aroclor 1016	ND	0.0005	0.000014*	mg/l
	Aroclor 1221	ND	0.0005	0.000014*	mg/l
	Aroclor 1232	ND	0.0005	0.000014*	mg/l
	Aroclor 1242	ND	0.0005	0.000014*	mg/l
	Aroclor 1248	ND	0.0005	0.000014*	mg/l
	Aroclor 1254	ND	0.0005	0.000014*	mg/l
	Aroclor 1260	ND	0.0005	0.000014*	mg/l
	Aroclor 1262	ND	0.0005	0.000014*	mg/l
	Aroclor 1268	ND	0.0005	0.000014*	mg/l
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.001	-	mg/l
	1,1,1-Trichloroethane	ND	0.001	-	mg/l
	1,1,2,2-Tetrachloroethane	ND	0.001	-	mg/l
	1,1,2-Trichloroethane	ND	0.001	-	mg/l
	1,1-Dichloroethane	ND	0.001	-	mg/l
	1,1-Dichloroethene	ND	0.001	-	mg/l
	1,1-Dichloropropene	ND	0.001	-	mg/l
	1,2,3-Trichlorobenzene	ND	0.001	-	mg/l
	1,2,3-Trichloropropane	ND	0.001	-	mg/l
	1,2,4-Trichlorobenzene	ND	0.001	-	mg/l
	1,2,4-Trimethylbenzene	ND	0.001	-	mg/l
	1,2-Dibromo-3-chloropropane	ND	0.005	-	mg/l
	1,2-Dibromoethane	ND	0.001	-	mg/l
	1,2-Dichlorobenzene	ND	0.001	-	mg/l
	1,2-Dichloroethane	ND	0.001	-	mg/l
	1,2-Dichloropropane	ND	0.001	-	mg/l
	1,3,5-Trimethylbenzene	ND	0.001	-	mg/l
	1,3-Dichlorobenzene	ND	0.001	-	mg/l
	1,3-Dichloropropane	ND	0.001	-	mg/l
	1,4-Dichlorobenzene	ND	0.001	-	mg/l
	2,2-Dichloropropane	ND	0.001	-	mg/l
	2-Butanone	ND	0.01	-	mg/l
	2-Chlorotoluene	ND	0.001	-	mg/l
	2-Hexanone	ND	0.01	-	mg/l
	4-Chlorotoluene	ND	0.001	-	mg/l
	4-Methyl-2-pentanone	ND	0.01	-	mg/l
	Acetone	ND	0.02	-	mg/l
	Benzene	ND	0.001	-	mg/l
	Bromobenzene	ND	0.001	-	mg/l
	Bromochloromethane	ND	0.001	-	mg/l
	Bromodichloromethane	ND	0.001	-	mg/l
	Bromoform	ND	0.001	-	mg/l
	Bromomethane	ND	0.002	-	mg/l
	Carbon disulfide	ND	0.001	-	mg/l
	Carbon tetrachloride	ND	0.001	-	mg/l
	Chlorobenzene	ND	0.001	-	mg/l
	Chloroethane	ND	0.001	-	mg/l
	Chloroform	ND	0.001	-	mg/l
	Chloromethane	ND	0.005	-	mg/l
	cis-1,2-Dichloroethene	ND	0.001	-	mg/l
	cis-1,3-Dichloropropene	ND	0.001	-	mg/l
	Dibromochloromethane	ND	0.001	-	mg/l
	Dibromomethane	ND	0.001	-	mg/l
	Dichlorodifluoromethane	ND	0.001	-	mg/l
	Ethylbenzene	ND	0.001	-	mg/l
	Hexachlorobutadiene	ND	0.001	-	mg/l
	Isopropylbenzene	ND	0.001	-	mg/l
	m,p-Xylene	ND	0.002	-	mg/l
	Methylene chloride	ND	0.005	-	mg/l

(continued)
Table 11 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-05-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 5
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8260B VOA Full List	Naphthalene	ND	0.001	-	mg/l
	n-Butylbenzene	ND	0.001	-	mg/l
	n-Propylbenzene	ND	0.001	-	mg/l
	o-Xylene	ND	0.001	-	mg/l
	p-Isopropyltoluene	ND	0.001	-	mg/l
	sec-Butylbenzene	ND	0.001	-	mg/l
	Styrene	ND	0.001	-	mg/l
	tert-Butylbenzene	ND	0.001	-	mg/l
	Tetrachloroethene	ND	0.001	-	mg/l
	Toluene	ND	0.001	-	mg/l
	trans-1,2-Dichloroethene	ND	0.001	-	mg/l
	trans-1,3-Dichloropropene	ND	0.001	-	mg/l
	Trichloroethene	ND	0.001	-	mg/l
	Trichlorofluoromethane	ND	0.001	-	mg/l
	Vinyl chloride	ND	0.001	-	mg/l
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.01	-	mg/l
	1,2-Dichlorobenzene	ND	0.01	-	mg/l
	1,3-Dichlorobenzene	ND	0.01	-	mg/l
	1,4-Dichlorobenzene	ND	0.01	-	mg/l
	2,4-Dinitrotoluene	ND	0.01	-	mg/l
	2,6-Dinitrotoluene	ND	0.01	-	mg/l
	2-Chloronaphthalene	ND	0.01	-	mg/l
	2-Methylnaphthalene	ND	0.01	-	mg/l
	3,3´-Dichlorobenzidine	ND	0.01	-	mg/l
	4-Bromophenyl phenyl ether	ND	0.01	-	mg/l
	4-Chloroaniline	ND	0.01	-	mg/l
	4-Chlorophenyl phenyl ether	ND	0.01	-	mg/l
	Acenaphthene	ND	0.01	-	mg/l
	Acenaphthylene	ND	0.01	-	mg/l
	Anthracene	ND	0.01	-	mg/l
	Benzo (a) anthracene	ND	0.01	-	mg/l
	Benzo (a) pyrene	ND	0.01	-	mg/l
	Benzo (b) fluoranthene	ND	0.01	-	mg/l
	Benzo (ghi) perylene	ND	0.01	-	mg/l
	Benzo (k) fluoranthene	ND	0.01	-	mg/l
	Benzyl alcohol	ND	0.01	-	mg/l
	Bis(2-chloroethoxy)methane	ND	0.01	-	mg/l
	Bis(2-chloroethyl)ether	ND	0.01	-	mg/l
	Bis(2-chloroisopropyl)ether	ND	0.01	-	mg/l
	Bis(2-ethylhexyl)phthalate	ND	0.05	-	mg/l
	Butyl benzyl phthalate	ND	0.01	-	mg/l
	Carbazole	ND	0.01	-	mg/l
	Chrysene	ND	0.01	-	mg/l
	Dibenz (a,h) anthracene	ND	0.01	-	mg/l
	Dibenzofuran	ND	0.01	-	mg/l
	Diethyl phthalate	ND	0.01	-	mg/l
	Dimethyl phthalate	ND	0.01	-	mg/l
	Di-n-butyl phthalate	ND	0.01	-	mg/l
	Di-n-octyl phthalate	ND	0.01	-	mg/l
	Fluoranthene	ND	0.01	-	mg/l
	Fluorene	ND	0.01	-	mg/l
	Hexachlorobenzene	ND	0.01	-	mg/l
	Hexachlorobutadiene	ND	0.01	-	mg/l
	Hexachlorocyclopentadiene	ND	0.01	-	mg/l
	Hexachloroethane	ND	0.01	-	mg/l
	Indeno (1,2,3-cd) pyrene	ND	0.01	-	mg/l
	Isophorone	ND	0.01	-	mg/l

(continued)
Table 11 - Analytical Results for Unfiltered Surface Water Sample SHIP-SW-05-U (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 5
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	WATER QUALITY CRITERIA	UNITS
8270C SVOA Full List	Naphthalene	ND	0.01	-	mg/l
	Nitrobenzene	ND	0.01	-	mg/l
	Phenanthrene	ND	0.01	-	mg/l
	Pyrene	ND	0.01	-	mg/l
AK101 (GRO)	Gasoline Range Organics	ND	50.0	-	ug/l
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	0.400	-	mg/l
	Residual Range Organics	ND	0.400	-	mg/l
Al Total ICPMS 6020	Aluminum	0.400	0.300	0.087	mg/l
As Total ICPMS 6020	Arsenic	ND	0.00100	0.15	mg/l
Ba Total ICPMS 6020	Barium	0.0123	0.0100	-	mg/l
Ca Total ICPMS 6020	Calcium	39.8	1.50	-	mg/l
Cd Total ICPMS 6020	Cadmium	ND	0.00100	0.0022	mg/l
Co Total ICPMS 6020	Cobalt	ND	0.00100	-	mg/l
Cr Total ICPMS 6020	Chromium	0.00121	0.00100	0.011	mg/l
Cu Total ICPMS 6020	Copper	0.00156	0.00100	0.009	mg/l
Fe Total ICPMS 6020	Iron	0.600	0.300	1	mg/l
Hg Total 7470/7471	Mercury	ND	0.000200	0.00077	mg/l
K Total ICPMS 6020	Potassium	0.660	0.600	-	mg/l
Mg Total ICPMS 6020	Magnesium	6.13	0.300	-	mg/l
Mn Total ICPMS 6020	Manganese	0.158	0.0100	-	mg/l
Na Total ICPMS 6020	Sodium	3.53	0.300	-	mg/l
Ni Total ICPMS 6020	Nickel	0.00103	0.00100	0.052	mg/l
Pb Total ICPMS 6020	Lead	0.00106	0.00100	0.0025	mg/l
Sb Total ICPMS 6020	Antimony	ND	0.00300	-	mg/l
Se Total ICPMS 6020	Selenium	ND	0.00100	0.005	mg/l
V Total ICPMS 6020	Vanadium	0.00116	0.00100	-	mg/l
Zn Total ICPMS 6020	Zinc	ND	0.0100	0.12	mg/l

Notes:
* - The Water Quality Criteria listed is for total PCBs.
Water quality criteria is not available for all analytes.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/l - milligrams per liter.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 12 - Analytical Results for Sediment Sample SHIP-SD-01A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 1
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8082 PCB Only	Aroclor 1016	ND	0.025	0.060*	0.12*	mg/kg
	Aroclor 1221	ND	0.05	.060*	0.12*	mg/kg
	Aroclor 1232	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1242	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1248	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1254	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1260	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1262	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1268	ND	0.025	.060*	0.12*	mg/kg
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.0366	-	-	mg/kg
	1,1,1-Trichloroethane	ND	0.0366	-	-	mg/kg
	1,1,2,2-Tetrachloroethane	ND	0.0366	-	-	mg/kg
	1,1,2-Trichloroethane	ND	0.0366	-	-	mg/kg
	1,1-Dichloroethane	ND	0.0366	-	-	mg/kg
	1,1-Dichloroethene	ND	0.0366	-	-	mg/kg
	1,1-Dichloropropene	ND	0.0366	-	-	mg/kg
	1,2,3-Trichlorobenzene	ND	0.0366	-	-	mg/kg
	1,2,3-Trichloropropane	ND	0.0366	-	-	mg/kg
	1,2,4-Trichlorobenzene	ND	0.0366	-	-	mg/kg
	1,2,4-Trimethylbenzene	ND	0.0366	-	-	mg/kg
	1,2-Dibromo-3-chloropropane	ND	0.183	-	-	mg/kg
	1,2-Dibromoethane	ND	0.0366	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.0366	-	-	mg/kg
	1,2-Dichloroethane	ND	0.0366	-	-	mg/kg
	1,2-Dichloropropane	ND	0.0366	-	-	mg/kg
	1,3,5-Trimethylbenzene	ND	0.0366	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.0366	-	-	mg/kg
	1,3-Dichloropropane	ND	0.0366	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.0366	-	-	mg/kg
	2,2-Dichloropropane	ND	0.0366	-	-	mg/kg
	2-Butanone	ND	0.366	-	-	mg/kg
	2-Chlorotoluene	ND	0.0366	-	-	mg/kg
	2-Hexanone	ND	0.366	-	-	mg/kg
	4-Chlorotoluene	ND	0.0366	-	-	mg/kg
	4-Methyl-2-pentanone	ND	0.366	-	-	mg/kg
	Acetone	ND	0.366	-	-	mg/kg
	Benzene	ND	0.0366	-	-	mg/kg
	Bromobenzene	ND	0.0366	-	-	mg/kg
	Bromochloromethane	ND	0.0366	-	-	mg/kg
	Bromodichloromethane	ND	0.0366	-	-	mg/kg
	Bromoform	ND	0.0366	-	-	mg/kg
	Bromomethane	ND	0.0366	-	-	mg/kg
	Carbon disulfide	ND	0.0366	-	-	mg/kg
	Carbon tetrachloride	ND	0.0366	-	-	mg/kg
	Chlorobenzene	ND	0.0366	-	-	mg/kg
	Chloroethane	ND	0.0366	-	-	mg/kg
	Chloroform	ND	0.0366	-	-	mg/kg
	Chloromethane	ND	0.183	-	-	mg/kg
	cis-1,2-Dichloroethene	ND	0.0366	-	-	mg/kg
	cis-1,3-Dichloropropene	ND	0.0366	-	-	mg/kg
	Dibromochloromethane	ND	0.0366	-	-	mg/kg
	Dibromomethane	ND	0.0366	-	-	mg/kg
	Dichlorodifluoromethane	ND	0.0366	-	-	mg/kg
	Ethylbenzene	ND	0.0366	-	-	mg/kg
	Hexachlorobutadiene	ND	0.0366	-	-	mg/kg
	Isopropylbenzene	ND	0.0366	-	-	mg/kg
	m,p-Xylene	ND	0.0732	-	-	mg/kg
	Methylene chloride	ND	0.366	-	-	mg/kg

(continued)
Table 12 - Analytical Results for Sediment Sample SHIP-SD-01A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 1
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8260B VOA Full List	Naphthalene	ND	0.0366	0.5	1.31	mg/kg
	n-Butylbenzene	ND	0.0366	-	-	mg/kg
	n-Propylbenzene	ND	0.0366	-	-	mg/kg
	o-Xylene	ND	0.0366	-	-	mg/kg
	p-Isopropyltoluene	ND	0.0366	-	-	mg/kg
	sec-Butylbenzene	ND	0.0366	-	-	mg/kg
	Styrene	ND	0.0366	-	-	mg/kg
	tert-Butylbenzene	ND	0.0366	-	-	mg/kg
	Tetrachloroethene	ND	0.0366	-	-	mg/kg
	Toluene	ND	0.0366	-	-	mg/kg
	trans-1,2-Dichloroethene	ND	0.0366	-	-	mg/kg
	trans-1,3-Dichloropropene	ND	0.0366	-	-	mg/kg
	Trichloroethene	ND	0.0366	-	-	mg/kg
	Trichlorofluoromethane	ND	0.0366	-	-	mg/kg
	Vinyl chloride	ND	0.0366	-	-	mg/kg
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.330	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.330	-	-	mg/kg
	2,4-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2,6-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2-Chloronaphthalene	ND	0.330	-	-	mg/kg
	2-Methylnaphthalene	ND	0.330	0.47	0.56	mg/kg
	3,3'-Dichlorobenzidine	ND	5.00	-	-	mg/kg
	4-Bromophenyl phenyl ether	ND	0.330	-	-	mg/kg
	4-Chloroaniline	ND	0.500	-	-	mg/kg
	4-Chlorophenyl phenyl ether	ND	0.330	-	-	mg/kg
	Acenaphthene	ND	0.330	1.06	1.32	mg/kg
	Acenaphthylene	ND	0.330	0.47	0.64	mg/kg
	Anthracene	ND	0.330	1.2	1.58	mg/kg
	Benzo (a) anthracene	ND	0.330	4.26	5.8	mg/kg
	Benzo (a) pyrene	ND	0.330	3.3	4.81	mg/kg
	Benzo (b) fluoranthene	ND	0.330	11	14	mg/kg
	Benzo (ghi) perylene	ND	0.330	4.02	5.2	mg/kg
	Benzo (k) fluoranthene	ND	0.330	11	14	mg/kg
	Benzyl alcohol	ND	0.330	-	-	mg/kg
	Bis(2-chloroethoxy)methane	ND	0.330	-	-	mg/kg
	Bis(2-chloroethyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-chloroisopropyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-ethylhexyl)phthalate	0.371	0.330	0.23	0.32	mg/kg
	Butyl benzyl phthalate	ND	0.330	0.26	0.37	mg/kg
	Carbazole	ND	0.330	-	-	mg/kg
	Chrysene	ND	0.330	5.94	6.4	mg/kg
	Dibenz (a,h) anthracene	ND	0.330	0.8	0.84	mg/kg
	Dibenzofuran	ND	0.330	0.4	0.44	mg/kg
	Diethyl phthalate	ND	0.330	-	-	mg/kg
	Dimethyl phthalate	ND	0.330	0.046	0.44	mg/kg
	Di-n-butyl phthalate	ND	0.330	-	-	mg/kg
	Di-n-octyl phthalate	ND	0.330	0.026	0.045	mg/kg
	Fluoranthene	ND	0.330	11	15	mg/kg
	Fluorene	ND	0.330	1	3	mg/kg
	Hexachlorobenzene	ND	0.330	-	-	mg/kg
	Hexachlorobutadiene	ND	0.330	-	-	mg/kg
	Hexachlorocyclopentadiene	ND	0.500	-	-	mg/kg
	Hexachloroethane	ND	0.330	-	-	mg/kg
	Indeno (1,2,3-cd) pyrene	ND	0.330	4.12	5.3	mg/kg
	Isophorone	ND	0.330	-	-	mg/kg

(continued)
Table 12 - Analytical Results for Sediment Sample SHIP-SD-01A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 1
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8270C SVOA Full List	Naphthalene	ND	0.330	0.5	1.31	mg/kg
	Nitrobenzene	ND	0.330	-	-	mg/kg
	Phenanthrene	ND	0.330	6.1	7.6	mg/kg
	Pyrene	ND	0.330	8.8	16	mg/kg
AK101 (GRO)	Gasoline Range Organics	ND	1.45	-	-	mg/kg
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	25.0	-	-	mg/kg
AK102/103 (DRO/RRO)	Residual Range Organics	ND	50.0	-	-	mg/kg
Al Total ICPMS 6020	Aluminum	22600	750	-	-	mg/kg
As Total ICPMS 6020	Arsenic	18.8	0.500	20	51	mg/kg
Ba Total ICPMS 6020	Barium	179	5.00	-	-	mg/kg
Ca Total ICPMS 6020	Calcium	8080	150	-	-	mg/kg
Cd Total ICPMS 6020	Cadmium	ND	0.500	0.6	1	mg/kg
Co Total ICPMS 6020	Cobalt	16.9	0.500	-	-	mg/kg
Cr Total ICPMS 6020	Chromium	47.7	0.500	-	-	mg/kg
Cu Total ICPMS 6020	Copper	55.5	0.500	80	830	mg/kg
Fe Total ICPMS 6020	Iron	38000	750	-	-	mg/kg
Hg Total 7470/7471	Mercury	ND	0.100	0.5	0.75	mg/kg
K Total ICPMS 6020	Potassium	4270	1610	-	-	mg/kg
Mg Total ICPMS 6020	Magnesium	12800	150	-	-	mg/kg
Mn Total ICPMS 6020	Manganese	972	25.0	-	-	mg/kg
Na Total ICPMS 6020	Sodium	5700	150	-	-	mg/kg
Ni Total ICPMS 6020	Nickel	44.4	0.500	-	-	mg/kg
Pb Total ICPMS 6020	Lead	11.9	0.500	-	-	mg/kg
Sb Total ICPMS 6020	Antimony	ND	1.50	-	-	mg/kg
Se Total ICPMS 6020	Selenium	0.678	0.500	-	-	mg/kg
V Total ICPMS 6020	Vanadium	72.5	0.500	-	-	mg/kg
Zn Total ICPMS 6020	Zinc	126	5.00	140	160	mg/kg

Notes:
* The SQS and CSL listed are for total PCBs.
Sediment benchmarks and background data are not available for all analytes.
CSL - Contaminant Screening Level.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/kg - milligrams per kilogram.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SQS - Sediment Quality Standard.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 13 - Analytical Results for Sediment Sample SHIP-SD-01B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 1
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8082 PCB Only	Aroclor 1016	ND	0.025	0.060*	0.12*	mg/kg
	Aroclor 1221	ND	0.05	.060*	0.12*	mg/kg
	Aroclor 1232	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1242	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1248	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1254	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1260	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1262	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1268	ND	0.025	.060*	0.12*	mg/kg
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.0415	-	-	mg/kg
	1,1,1-Trichloroethane	ND	0.0415	-	-	mg/kg
	1,1,2,2-Tetrachloroethane	ND	0.0415	-	-	mg/kg
	1,1,2-Trichloroethane	ND	0.0415	-	-	mg/kg
	1,1-Dichloroethane	ND	0.0415	-	-	mg/kg
	1,1-Dichloroethene	ND	0.0415	-	-	mg/kg
	1,1-Dichloropropene	ND	0.0415	-	-	mg/kg
	1,2,3-Trichlorobenzene	ND	0.0415	-	-	mg/kg
	1,2,3-Trichloropropane	ND	0.0415	-	-	mg/kg
	1,2,4-Trichlorobenzene	ND	0.0415	-	-	mg/kg
	1,2,4-Trimethylbenzene	ND	0.0415	-	-	mg/kg
	1,2-Dibromo-3-chloropropane	ND	0.207	-	-	mg/kg
	1,2-Dibromoethane	ND	0.0415	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.0415	-	-	mg/kg
	1,2-Dichloroethane	ND	0.0415	-	-	mg/kg
	1,2-Dichloropropane	ND	0.0415	-	-	mg/kg
	1,3,5-Trimethylbenzene	ND	0.0415	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.0415	-	-	mg/kg
	1,3-Dichloropropane	ND	0.0415	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.0415	-	-	mg/kg
	2,2-Dichloropropane	ND	0.0415	-	-	mg/kg
	2-Butanone	ND	0.415	-	-	mg/kg
	2-Chlorotoluene	ND	0.0415	-	-	mg/kg
	2-Hexanone	ND	0.415	-	-	mg/kg
	4-Chlorotoluene	ND	0.0415	-	-	mg/kg
	4-Methyl-2-pentanone	ND	0.415	-	-	mg/kg
	Acetone	ND	0.415	-	-	mg/kg
	Benzene	ND	0.0415	-	-	mg/kg
	Bromobenzene	ND	0.0415	-	-	mg/kg
	Bromochloromethane	ND	0.0415	-	-	mg/kg
	Bromodichloromethane	ND	0.0415	-	-	mg/kg
	Bromoform	ND	0.0415	-	-	mg/kg
	Bromomethane	ND	0.0415	-	-	mg/kg
	Carbon disulfide	ND	0.0415	-	-	mg/kg
	Carbon tetrachloride	ND	0.0415	-	-	mg/kg
	Chlorobenzene	ND	0.0415	-	-	mg/kg
	Chloroethane	ND	0.0415	-	-	mg/kg
	Chloroform	ND	0.0415	-	-	mg/kg
	Chloromethane	ND	0.207	-	-	mg/kg
	cis-1,2-Dichloroethene	ND	0.0415	-	-	mg/kg
	cis-1,3-Dichloropropene	ND	0.0415	-	-	mg/kg
	Dibromochloromethane	ND	0.0415	-	-	mg/kg
	Dibromomethane	ND	0.0415	-	-	mg/kg
	Dichlorodifluoromethane	ND	0.0415	-	-	mg/kg
	Ethylbenzene	ND	0.0415	-	-	mg/kg
	Hexachlorobutadiene	ND	0.0415	-	-	mg/kg
	Isopropylbenzene	ND	0.0415	-	-	mg/kg
	m,p-Xylene	ND	0.0829	-	-	mg/kg
	Methylene chloride	ND	0.415	-	-	mg/kg

(continued)
Table 13 - Analytical Results for Sediment Sample SHIP-SD-01B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 1
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8260B VOA Full List	Naphthalene	ND	0.0415	0.5	1.31	mg/kg
	n-Butylbenzene	ND	0.0415	-	-	mg/kg
	n-Propylbenzene	ND	0.0415	-	-	mg/kg
	o-Xylene	ND	0.0415	-	-	mg/kg
	p-Isopropyltoluene	ND	0.0415	-	-	mg/kg
	sec-Butylbenzene	ND	0.0415	-	-	mg/kg
	Styrene	ND	0.0415	-	-	mg/kg
	tert-Butylbenzene	ND	0.0415	-	-	mg/kg
	Tetrachloroethene	ND	0.0415	-	-	mg/kg
	Toluene	ND	0.0415	-	-	mg/kg
	trans-1,2-Dichloroethene	ND	0.0415	-	-	mg/kg
	trans-1,3-Dichloropropene	ND	0.0415	-	-	mg/kg
	Trichloroethene	ND	0.0415	-	-	mg/kg
	Trichlorofluoromethane	ND	0.0415	-	-	mg/kg
	Vinyl chloride	ND	0.0415	-	-	mg/kg
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.330	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.330	-	-	mg/kg
	2,4-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2,6-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2-Chloronaphthalene	ND	0.330	0.47	0.56	mg/kg
	2-Methylnaphthalene	ND	0.330	-	-	mg/kg
	3,3´-Dichlorobenzidine	ND	5.00	-	-	mg/kg
	4-Bromophenyl phenyl ether	ND	0.330	-	-	mg/kg
	4-Chloroaniline	ND	0.500	-	-	mg/kg
	4-Chlorophenyl phenyl ether	ND	0.330	1.06	1.32	mg/kg
	Acenaphthene	ND	0.330	0.47	0.64	mg/kg
	Acenaphthylene	ND	0.330	1.2	1.58	mg/kg
	Anthracene	ND	0.330	4.26	5.8	mg/kg
	Benzo (a) anthracene	ND	0.330	3.3	4.81	mg/kg
	Benzo (a) pyrene	ND	0.330	11	14	mg/kg
	Benzo (b) fluoranthene	ND	0.330	4.02	5.2	mg/kg
	Benzo (ghi) perylene	ND	0.330	11	14	mg/kg
	Benzo (k) fluoranthene	ND	0.330	-	-	mg/kg
	Benzyl alcohol	ND	0.330	-	-	mg/kg
	Bis(2-chloroethoxy)methane	ND	0.330	-	-	mg/kg
	Bis(2-chloroethyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-chloroisopropyl)ether	ND	0.330	0.23	0.32	mg/kg
	Bis(2-ethylhexyl)phthalate	ND	0.330	0.26	0.37	mg/kg
	Butyl benzyl phthalate	ND	0.330	-	-	mg/kg
	Carbazole	ND	0.330	5.94	6.4	mg/kg
	Chrysene	ND	0.330	0.8	0.84	mg/kg
	Dibenz (a,h) anthracene	ND	0.330	0.4	0.44	mg/kg
	Dibenzofuran	ND	0.330	-	-	mg/kg
	Dimethyl phthalate	ND	0.330	0.046	0.44	mg/kg
	Diethyl phthalate	ND	0.330	-	-	mg/kg
	Di-n-butyl phthalate	ND	0.330	0.026	0.045	mg/kg
	Di-n-octyl phthalate	ND	0.330	11	15	mg/kg
	Fluoranthene	ND	0.330	1	3	mg/kg
	Fluorene	ND	0.330	-	-	mg/kg
	Hexachlorobenzene	ND	0.330	-	-	mg/kg
	Hexachlorobutadiene	ND	0.330	-	-	mg/kg
	Hexachlorocyclopentadiene	ND	0.500	-	-	mg/kg
	Hexachloroethane	ND	0.330	4.12	5.3	mg/kg
	Indeno (1,2,3-cd) pyrene	ND	0.330	-	-	mg/kg
	Isophorone	ND	0.330			mg/kg

(continued)
Table 13 - Analytical Results for Sediment Sample SHIP-SD-01B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 1
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8270C SVOA Full List	Naphthalene	ND	0.330	0.5	1.31	mg/kg
	Nitrobenzene	ND	0.330	-	-	mg/kg
	Phenanthrene	ND	0.330	6.1	7.6	mg/kg
	Pyrene	ND	0.330	8.8	16	mg/kg
AK101 (GRO)	Gasoline Range Organics	ND	1.58	-	-	mg/kg
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	22.2	-	-	mg/kg
	Residual Range Organics	ND	44.4	-	-	mg/kg
Al Total ICPMS 6020	Aluminum	22200	750	-	-	mg/kg
As Total ICPMS 6020	Arsenic	17.0	0.500	20	51	mg/kg
Ba Total ICPMS 6020	Barium	159	5.00	-	-	mg/kg
Ca Total ICPMS 6020	Calcium	8450	150	-	-	mg/kg
Cd Total ICPMS 6020	Cadmium	ND	0.500	0.6	1	mg/kg
Co Total ICPMS 6020	Cobalt	16.3	0.500	-	-	mg/kg
Cr Total ICPMS 6020	Chromium	47.4	0.500	-	-	mg/kg
Cu Total ICPMS 6020	Copper	51.8	0.500	80	830	mg/kg
Fe Total ICPMS 6020	Iron	37700	750	-	-	mg/kg
Hg Total 7470/7471	Mercury	ND	0.0893	0.5	0.75	mg/kg
K Total ICPMS 6020	Potassium	3720	1530	-	-	mg/kg
Mg Total ICPMS 6020	Magnesium	12700	150	-	-	mg/kg
Mn Total ICPMS 6020	Manganese	957	25.0	-	-	mg/kg
Na Total ICPMS 6020	Sodium	4380	150	-	-	mg/kg
Ni Total ICPMS 6020	Nickel	43.9	0.500	-	-	mg/kg
Pb Total ICPMS 6020	Lead	11.7	0.500	-	-	mg/kg
Sb Total ICPMS 6020	Antimony	ND	1.50	-	-	mg/kg
Se Total ICPMS 6020	Selenium	0.681	0.500	-	-	mg/kg
V Total ICPMS 6020	Vanadium	72.1	0.500	-	-	mg/kg
Zn Total ICPMS 6020	Zinc	119	5.00	140	160	mg/kg

Notes:
* The SQS and CSL listed are for total PCBs.
Sediment benchmarks and background data are not available for all analytes.
CSL - Contaminant Screening Level.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/kg - milligrams per kilogram.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SQS - Sediment Quality Standard.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 14 - Analytical Results for Sediment Sample SHIP-SD-02A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 2
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8082 PCB Only	Aroclor 1016	ND	0.025	0.060*	0.12*	mg/kg
	Aroclor 1221	ND	0.05	.060*	0.12*	mg/kg
	Aroclor 1232	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1242	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1248	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1254	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1260	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1262	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1268	ND	0.025	.060*	0.12*	mg/kg
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,1-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1,2,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,2-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethene	ND	0.100	-	-	mg/kg
	1,1-Dichloropropene	ND	0.100	-	-	mg/kg
	1,2,3-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,3-Trichloropropane	ND	0.100	-	-	mg/kg
	1,2,4-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,4-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,2-Dibromo-3-chloropropane	ND	0.500	-	-	mg/kg
	1,2-Dibromoethane	ND	0.100	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,2-Dichloroethane	ND	0.100	-	-	mg/kg
	1,2-Dichloropropane	ND	0.100	-	-	mg/kg
	1,3,5-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,3-Dichloropropane	ND	0.100	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.100	-	-	mg/kg
	2,2-Dichloropropane	ND	0.100	-	-	mg/kg
	2-Butanone	ND	1.00	-	-	mg/kg
	2-Chlorotoluene	ND	0.100	-	-	mg/kg
	2-Hexanone	ND	1.00	-	-	mg/kg
	4-Chlorotoluene	ND	0.100	-	-	mg/kg
	4-Methyl-2-pentanone	ND	1.00	-	-	mg/kg
	Acetone	ND	1.00	-	-	mg/kg
	Benzene	ND	0.100	-	-	mg/kg
	Bromobenzene	ND	0.100	-	-	mg/kg
	Bromochloromethane	ND	0.100	-	-	mg/kg
	Bromodichloromethane	ND	0.100	-	-	mg/kg
	Bromoform	ND	0.100	-	-	mg/kg
	Bromomethane	ND	0.100	-	-	mg/kg
	Carbon disulfide	ND	0.100	-	-	mg/kg
	Carbon tetrachloride	ND	0.100	-	-	mg/kg
	Chlorobenzene	ND	0.100	-	-	mg/kg
	Chloroethane	ND	0.100	-	-	mg/kg
	Chloroform	ND	0.100	-	-	mg/kg
	Chloromethane	ND	0.500	-	-	mg/kg
	cis-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	cis-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Dibromochloromethane	ND	0.100	-	-	mg/kg
	Dibromomethane	ND	0.100	-	-	mg/kg
	Dichlorodifluoromethane	ND	0.100	-	-	mg/kg
	Ethylbenzene	ND	0.100	-	-	mg/kg
	Hexachlorobutadiene	ND	0.100	-	-	mg/kg
	Isopropylbenzene	ND	0.100	-	-	mg/kg
	m,p-Xylene	ND	0.200	-	-	mg/kg
	Methylene chloride	ND	1.00	-	-	mg/kg

(continued)
Table 14 - Analytical Results for Sediment Sample SHIP-SD-02A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 2
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8260B VOA Full List	Naphthalene	ND	0.100	0.5	1.31	mg/kg
	n-Butylbenzene	ND	0.100	-	-	mg/kg
	n-Propylbenzene	ND	0.100	-	-	mg/kg
	o-Xylene	ND	0.100	-	-	mg/kg
	p-Isopropyltoluene	ND	0.100	-	-	mg/kg
	sec-Butylbenzene	ND	0.100	-	-	mg/kg
	Styrene	ND	0.100	-	-	mg/kg
	tert-Butylbenzene	ND	0.100	-	-	mg/kg
	Tetrachloroethene	ND	0.100	-	-	mg/kg
	Toluene	ND	0.100	-	-	mg/kg
	trans-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	trans-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Trichloroethene	ND	0.100	-	-	mg/kg
	Trichlorofluoromethane	ND	0.100	-	-	mg/kg
	Vinyl chloride	ND	0.100	-	-	mg/kg
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.330	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.330	-	-	mg/kg
	2,4-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2,6-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2-Chloronaphthalene	ND	0.330	-	-	mg/kg
	2-Methylnaphthalene	ND	0.330	0.47	0.56	mg/kg
	3,3'-Dichlorobenzidine	ND	5.00	-	-	mg/kg
	4-Bromophenyl phenyl ether	ND	0.330	-	-	mg/kg
	4-Chloroaniline	ND	0.500	-	-	mg/kg
	4-Chlorophenyl phenyl ether	ND	0.330	-	-	mg/kg
	Acenaphthene	ND	0.330	1.06	1.32	mg/kg
	Acenaphthylene	ND	0.330	0.47	0.64	mg/kg
	Anthracene	ND	0.330	1.2	1.58	mg/kg
	Benzo (a) anthracene	ND	0.330	4.26	5.8	mg/kg
	Benzo (a) pyrene	ND	0.330	3.3	4.81	mg/kg
	Benzo (b) fluoranthene	ND	0.330	11	14	mg/kg
	Benzo (ghi) perylene	ND	0.330	4.02	5.2	mg/kg
	Benzo (k) fluoranthene	ND	0.330	11	14	mg/kg
	Benzyl alcohol	ND	0.330	-	-	mg/kg
	Bis(2-chloroethoxy)methane	ND	0.330	-	-	mg/kg
	Bis(2-chloroethyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-chloroisopropyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-ethylhexyl)phthalate	ND	0.330	0.23	0.32	mg/kg
	Butyl benzyl phthalate	ND	0.330	0.26	0.37	mg/kg
	Carbazole	ND	0.330	-	-	mg/kg
	Chrysene	ND	0.330	5.94	6.4	mg/kg
	Dibenz (a,h) anthracene	ND	0.330	0.8	0.84	mg/kg
	Dibenzofuran	ND	0.330	0.4	0.44	mg/kg
	Diethyl phthalate	ND	0.330	-	-	mg/kg
	Dimethyl phthalate	ND	0.330	0.046	0.44	mg/kg
	Di-n-butyl phthalate	ND	0.330	-	-	mg/kg
	Di-n-octyl phthalate	ND	0.330	0.026	0.045	mg/kg
	Fluoranthene	ND	0.330	11	15	mg/kg
	Fluorene	ND	0.330	1	3	mg/kg
	Hexachlorobenzene	ND	0.330	-	-	mg/kg
	Hexachlorobutadiene	ND	0.330	-	-	mg/kg
	Hexachlorocyclopentadiene	ND	0.500	-	-	mg/kg
	Hexachloroethane	ND	0.330	-	-	mg/kg
	Indeno (1,2,3-cd) pyrene	ND	0.330	4.12	5.3	mg/kg
	Isophorone	ND	0.330	-	-	mg/kg

(continued)
Table 14 - Analytical Results for Sediment Sample SHIP-SD-02A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 2
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8270C SVOA Full List	Naphthalene	ND	0.330	0.5	1.31	mg/kg
	Nitrobenzene	ND	0.330	-	-	mg/kg
	Phenanthrene	ND	0.330	6.1	7.6	mg/kg
	Pyrene	ND	0.330	8.8	16	mg/kg
AK101 (GRO)	Gasoline Range Organics	ND	1.63	-	-	mg/kg
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	25.0	-	-	mg/kg
	Residual Range Organics	ND	50.0	-	-	mg/kg
Al Total ICPMS 6020	Aluminum	22200	750	-	-	mg/kg
As Total ICPMS 6020	Arsenic	17.3	0.500	20	51	mg/kg
Ba Total ICPMS 6020	Barium	168	5.00	-	-	mg/kg
Ca Total ICPMS 6020	Calcium	7840	150	-	-	mg/kg
Cd Total ICPMS 6020	Cadmium	ND	0.500	0.6	1	mg/kg
Co Total ICPMS 6020	Cobalt	16.1	0.500	-	-	mg/kg
Cr Total ICPMS 6020	Chromium	46.0	0.500	-	-	mg/kg
Cu Total ICPMS 6020	Copper	52.3	0.500	80	830	mg/kg
Fe Total ICPMS 6020	Iron	37100	750	-	-	mg/kg
Hg Total 7470/7471	Mercury	ND	0.100	0.5	0.75	mg/kg
K Total ICPMS 6020	Potassium	3810	1650	-	-	mg/kg
Mg Total ICPMS 6020	Magnesium	12200	150	-	-	mg/kg
Mn Total ICPMS 6020	Manganese	944	25.0	-	-	mg/kg
Na Total ICPMS 6020	Sodium	2140	150	-	-	mg/kg
Ni Total ICPMS 6020	Nickel	42.9	0.500	-	-	mg/kg
Pb Total ICPMS 6020	Lead	12.5	0.500	-	-	mg/kg
Sb Total ICPMS 6020	Antimony	ND	1.50	-	-	mg/kg
Se Total ICPMS 6020	Selenium	0.630	0.500	-	-	mg/kg
V Total ICPMS 6020	Vanadium	70.1	0.500	-	-	mg/kg
Zn Total ICPMS 6020	Zinc	118	5.00	140	160	mg/kg

Notes:
* The SQS and CSL listed are for total PCBs.
Sediment benchmarks and background data are not available for all analytes.
CSL - Contaminant Screening Level.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/kg - milligrams per kilogram.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SQS - Sediment Quality Standard.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 15 - Analytical Results for Sediment Sample SHIP-SD-02B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 2
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8082 PCB Only	Aroclor 1016	ND	0.025	0.060*	0.12*	mg/kg
	Aroclor 1221	ND	0.05	.060*	0.12*	mg/kg
	Aroclor 1232	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1242	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1248	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1254	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1260	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1262	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1268	ND	0.025	.060*	0.12*	mg/kg
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,1-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1,2,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,2-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethene	ND	0.100	-	-	mg/kg
	1,1-Dichloropropene	ND	0.100	-	-	mg/kg
	1,2,3-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,3-Trichloropropane	ND	0.100	-	-	mg/kg
	1,2,4-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,4-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,2-Dibromo-3-chloropropane	ND	0.500	-	-	mg/kg
	1,2-Dibromoethane	ND	0.100	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,2-Dichloroethane	ND	0.100	-	-	mg/kg
	1,2-Dichloropropane	ND	0.100	-	-	mg/kg
	1,3,5-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,3-Dichloropropane	ND	0.100	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.100	-	-	mg/kg
	2,2-Dichloropropane	ND	0.100	-	-	mg/kg
	2-Butanone	ND	1.00	-	-	mg/kg
	2-Chlorotoluene	ND	0.100	-	-	mg/kg
	2-Hexanone	ND	1.00	-	-	mg/kg
	4-Chlorotoluene	ND	0.100	-	-	mg/kg
	4-Methyl-2-pentanone	ND	1.00	-	-	mg/kg
	Acetone	ND	1.00	-	-	mg/kg
	Benzene	ND	0.100	-	-	mg/kg
	Bromobenzene	ND	0.100	-	-	mg/kg
	Bromochloromethane	ND	0.100	-	-	mg/kg
	Bromodichloromethane	ND	0.100	-	-	mg/kg
	Bromoform	ND	0.100	-	-	mg/kg
	Bromomethane	ND	0.100	-	-	mg/kg
	Carbon disulfide	ND	0.100	-	-	mg/kg
	Carbon tetrachloride	ND	0.100	-	-	mg/kg
	Chlorobenzene	ND	0.100	-	-	mg/kg
	Chloroethane	ND	0.100	-	-	mg/kg
	Chloroform	ND	0.100	-	-	mg/kg
	Chloromethane	ND	0.500	-	-	mg/kg
	cis-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	cis-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Dibromochloromethane	ND	0.100	-	-	mg/kg
	Dibromomethane	ND	0.100	-	-	mg/kg
	Dichlorodifluoromethane	ND	0.100	-	-	mg/kg
	Ethylbenzene	ND	0.100	-	-	mg/kg
	Hexachlorobutadiene	ND	0.100	-	-	mg/kg
	Isopropylbenzene	ND	0.100	-	-	mg/kg
	m,p-Xylene	ND	0.200	-	-	mg/kg
	Methylene chloride	ND	1.00	-	-	mg/kg

(continued)
Table 15 - Analytical Results for Sediment Sample SHIP-SD-02B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 2
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8260B VOA Full List	Naphthalene	ND	0.100	0.5	1.31	mg/kg
	n-Butylbenzene	ND	0.100	-	-	mg/kg
	n-Propylbenzene	ND	0.100	-	-	mg/kg
	o-Xylene	ND	0.100	-	-	mg/kg
	p-Isopropyltoluene	ND	0.100	-	-	mg/kg
	sec-Butylbenzene	ND	0.100	-	-	mg/kg
	Styrene	ND	0.100	-	-	mg/kg
	tert-Butylbenzene	ND	0.100	-	-	mg/kg
	Tetrachloroethene	ND	0.100	-	-	mg/kg
	Toluene	ND	0.100	-	-	mg/kg
	trans-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	trans-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Trichloroethene	ND	0.100	-	-	mg/kg
	Trichlorofluoromethane	ND	0.100	-	-	mg/kg
	Vinyl chloride	ND	0.100	-	-	mg/kg
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.330	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.330	-	-	mg/kg
	2,4-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2,6-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2-Chloronaphthalene	ND	0.330	-	-	mg/kg
	2-Methylnaphthalene	ND	0.330	0.47	0.56	mg/kg
	3,3´-Dichlorobenzidine	ND	5.00	-	-	mg/kg
	4-Bromophenyl phenyl ether	ND	0.330	-	-	mg/kg
	4-Chloroaniline	ND	0.500	-	-	mg/kg
	4-Chlorophenyl phenyl ether	ND	0.330	-	-	mg/kg
	Acenaphthene	ND	0.330	1.06	1.32	mg/kg
	Acenaphthylene	ND	0.330	0.47	0.64	mg/kg
	Anthracene	ND	0.330	1.2	1.58	mg/kg
	Benzo (a) anthracene	ND	0.330	4.26	5.8	mg/kg
	Benzo (a) pyrene	ND	0.330	3.3	4.81	mg/kg
	Benzo (b) fluoranthene	ND	0.330	11	14	mg/kg
	Benzo (ghi) perylene	ND	0.330	4.02	5.2	mg/kg
	Benzo (k) fluoranthene	ND	0.330	11	14	mg/kg
	Benzyl alcohol	ND	0.330	-	-	mg/kg
	Bis(2-chloroethoxy)methane	ND	0.330	-	-	mg/kg
	Bis(2-chloroethyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-chloroisopropyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-ethylhexyl)phthalate	ND	0.330	0.23	0.32	mg/kg
	Butyl benzyl phthalate	ND	0.330	0.26	0.37	mg/kg
	Carbazole	ND	0.330	-	-	mg/kg
	Chrysene	ND	0.330	5.94	6.4	mg/kg
	Dibenz (a,h) anthracene	ND	0.330	0.8	0.84	mg/kg
	Dibenzofuran	ND	0.330	0.4	0.44	mg/kg
	Diethyl phthalate	ND	0.330	-	-	mg/kg
	Dimethyl phthalate	ND	0.330	0.046	0.44	mg/kg
	Di-n-butyl phthalate	ND	0.330	-	-	mg/kg
	Di-n-octyl phthalate	ND	0.330	0.026	0.045	mg/kg
	Fluoranthene	ND	0.330	11	15	mg/kg
	Fluorene	ND	0.330	1	3	mg/kg
	Hexachlorobenzene	ND	0.330	-	-	mg/kg
	Hexachlorobutadiene	ND	0.330	-	-	mg/kg
	Hexachlorocyclopentadiene	ND	0.500	-	-	mg/kg
	Hexachloroethane	ND	0.330	-	-	mg/kg
	Indeno (1,2,3-cd) pyrene	ND	0.330	4.12	5.3	mg/kg
	Isophorone	ND	0.330	-	-	mg/kg

(continued)
Table 15 - Analytical Results for Sediment Sample SHIP-SD-02B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 2
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8270C SVOA Full List	Naphthalene	ND	0.330	0.5	1.31	mg/kg
	Nitrobenzene	ND	0.330	-	-	mg/kg
	Phenanthrene	ND	0.330	6.1	7.6	mg/kg
	Pyrene	ND	0.330	8.8	16	mg/kg
AK101 (GRO)	Gasoline Range Organics	ND	1.54	-	-	mg/kg
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	25.0	-	-	mg/kg
	Residual Range Organics	75.1	50.0	-	-	mg/kg
Al Total ICPMS 6020	Aluminum	22800	750	-	-	mg/kg
As Total ICPMS 6020	Arsenic	18.0	0.500	20	51	mg/kg
Ba Total ICPMS 6020	Barium	174	5.00	-	-	mg/kg
Ca Total ICPMS 6020	Calcium	7660	150	-	-	mg/kg
Cd Total ICPMS 6020	Cadmium	ND	0.500	0.6	1	mg/kg
Co Total ICPMS 6020	Cobalt	16.6	0.500	-	-	mg/kg
Cr Total ICPMS 6020	Chromium	48.6	0.500	-	-	mg/kg
Cu Total ICPMS 6020	Copper	52.4	0.500	80	830	mg/kg
Fe Total ICPMS 6020	Iron	38800	750	-	-	mg/kg
Hg Total 7470/7471	Mercury	ND	0.100	0.5	0.75	mg/kg
K Total ICPMS 6020	Potassium	3590	1500	-	-	mg/kg
Mg Total ICPMS 6020	Magnesium	12300	150	-	-	mg/kg
Mn Total ICPMS 6020	Manganese	890	25.0	-	-	mg/kg
Na Total ICPMS 6020	Sodium	2290	150	-	-	mg/kg
Ni Total ICPMS 6020	Nickel	46.2	0.500	-	-	mg/kg
Pb Total ICPMS 6020	Lead	15.3	0.500	-	-	mg/kg
Sb Total ICPMS 6020	Antimony	ND	1.50	-	-	mg/kg
Se Total ICPMS 6020	Selenium	0.684	0.500	-	-	mg/kg
V Total ICPMS 6020	Vanadium	71.2	0.500	-	-	mg/kg
Zn Total ICPMS 6020	Zinc	123	5.00	140	160	mg/kg

Notes:
* The SQS and CSL listed are for total PCBs.
Sediment benchmarks and background data are not available for all analytes.
CSL - Contaminant Screening Level.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/kg - milligrams per kilogram.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SQS - Sediment Quality Standard.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 16 - Analytical Results for Sediment Sample SHIP-SD-03A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 3
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8082 PCB Only	Aroclor 1016	ND	0.025	0.060*	0.12*	mg/kg
	Aroclor 1221	ND	0.05	.060*	0.12*	mg/kg
	Aroclor 1232	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1242	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1248	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1254	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1260	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1262	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1268	ND	0.025	.060*	0.12*	mg/kg
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,1-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1,2,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,2-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethene	ND	0.100	-	-	mg/kg
	1,1-Dichloropropene	ND	0.100	-	-	mg/kg
	1,2,3-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,3-Trichloropropane	ND	0.100	-	-	mg/kg
	1,2,4-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,4-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,2-Dibromo-3-chloropropane	ND	0.500	-	-	mg/kg
	1,2-Dibromoethane	ND	0.100	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,2-Dichloroethane	ND	0.100	-	-	mg/kg
	1,2-Dichloropropane	ND	0.100	-	-	mg/kg
	1,3,5-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,3-Dichloropropane	ND	0.100	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.100	-	-	mg/kg
	2,2-Dichloropropane	ND	0.100	-	-	mg/kg
	2-Butanone	ND	1.00	-	-	mg/kg
	2-Chlorotoluene	ND	0.100	-	-	mg/kg
	2-Hexanone	ND	1.00	-	-	mg/kg
	4-Chlorotoluene	ND	0.100	-	-	mg/kg
	4-Methyl-2-pentanone	ND	1.00	-	-	mg/kg
	Acetone	ND	1.00	-	-	mg/kg
	Benzene	ND	0.100	-	-	mg/kg
	Bromobenzene	ND	0.100	-	-	mg/kg
	Bromochloromethane	ND	0.100	-	-	mg/kg
	Bromodichloromethane	ND	0.100	-	-	mg/kg
	Bromoform	ND	0.100	-	-	mg/kg
	Bromomethane	ND	0.100	-	-	mg/kg
	Carbon disulfide	ND	0.100	-	-	mg/kg
	Carbon tetrachloride	ND	0.100	-	-	mg/kg
	Chlorobenzene	ND	0.100	-	-	mg/kg
	Chloroethane	ND	0.100	-	-	mg/kg
	Chloroform	ND	0.100	-	-	mg/kg
	Chloromethane	ND	0.500	-	-	mg/kg
	cis-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	cis-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Dibromochloromethane	ND	0.100	-	-	mg/kg
	Dibromomethane	ND	0.100	-	-	mg/kg
	Dichlorodifluoromethane	ND	0.100	-	-	mg/kg
	Ethylbenzene	ND	0.100	-	-	mg/kg
	Hexachlorobutadiene	ND	0.100	-	-	mg/kg
	Isopropylbenzene	ND	0.100	-	-	mg/kg
	m,p-Xylene	ND	0.200	-	-	mg/kg
	Methylene chloride	ND	1.00	-	-	mg/kg

(continued)
Table 16 - Analytical Results for Sediment Sample SHIP-SD-03A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 3
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8260B VOA Full List	Naphthalene	ND	0.100	0.5	1.31	mg/kg
	n-Butylbenzene	ND	0.100	-	-	mg/kg
	n-Propylbenzene	ND	0.100	-	-	mg/kg
	o-Xylene	ND	0.100	-	-	mg/kg
	p-Isopropyltoluene	ND	0.100	-	-	mg/kg
	sec-Butylbenzene	ND	0.100	-	-	mg/kg
	Styrene	ND	0.100	-	-	mg/kg
	tert-Butylbenzene	ND	0.100	-	-	mg/kg
	Tetrachloroethene	ND	0.100	-	-	mg/kg
	Toluene	ND	0.100	-	-	mg/kg
	trans-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	trans-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Trichloroethene	ND	0.100	-	-	mg/kg
	Trichlorofluoromethane	ND	0.100	-	-	mg/kg
	Vinyl chloride	ND	0.100	-	-	mg/kg
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.330	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.330	-	-	mg/kg
	2,4-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2,6-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2-Chloronaphthalene	ND	0.330	-	-	mg/kg
	2-Methylnaphthalene	ND	0.330	0.47	0.56	mg/kg
	3,3´-Dichlorobenzidine	ND	5.00	-	-	mg/kg
	4-Bromophenyl phenyl ether	ND	0.330	-	-	mg/kg
	4-Chloroaniline	ND	0.500	-	-	mg/kg
	4-Chlorophenyl phenyl ether	ND	0.330	-	-	mg/kg
	Acenaphthene	ND	0.330	1.06	1.32	mg/kg
	Acenaphthylene	ND	0.330	0.47	0.64	mg/kg
	Anthracene	ND	0.330	1.2	1.58	mg/kg
	Benzo (a) anthracene	ND	0.330	4.26	5.8	mg/kg
	Benzo (a) pyrene	ND	0.330	3.3	4.81	mg/kg
	Benzo (b) fluoranthene	ND	0.330	11	14	mg/kg
	Benzo (ghi) perylene	ND	0.330	4.02	5.2	mg/kg
	Benzo (k) fluoranthene	ND	0.330	11	14	mg/kg
	Benzyl alcohol	ND	0.330	-	-	mg/kg
	Bis(2-chloroethoxy)methane	ND	0.330	-	-	mg/kg
	Bis(2-chloroethyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-chloroisopropyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-ethylhexyl)phthalate	ND	0.330	0.23	0.32	mg/kg
	Butyl benzyl phthalate	ND	0.330	0.26	0.37	mg/kg
	Carbazole	ND	0.330	-	-	mg/kg
	Chrysene	ND	0.330	5.94	6.4	mg/kg
	Dibenz (a,h) anthracene	ND	0.330	0.8	0.84	mg/kg
	Dibenzofuran	ND	0.330	0.4	0.44	mg/kg
	Diethyl phthalate	ND	0.330	-	-	mg/kg
	Dimethyl phthalate	ND	0.330	0.046	0.44	mg/kg
	Di-n-butyl phthalate	ND	0.330	-	-	mg/kg
	Di-n-octyl phthalate	ND	0.330	0.026	0.045	mg/kg
	Fluoranthene	ND	0.330	11	15	mg/kg
	Fluorene	ND	0.330	1	3	mg/kg
	Hexachlorobenzene	ND	0.330	-	-	mg/kg
	Hexachlorobutadiene	ND	0.330	-	-	mg/kg
	Hexachlorocyclopentadiene	ND	0.500	-	-	mg/kg
	Hexachloroethane	ND	0.330	-	-	mg/kg
	Indeno (1,2,3-cd) pyrene	ND	0.330	4.12	5.3	mg/kg
	Isophorone	ND	0.330	-	-	mg/kg

(continued)
Table 16 - Analytical Results for Sediment Sample SHIP-SD-03A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 3
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
	Naphthalene	ND	0.330	0.5	1.31	mg/kg
	Nitrobenzene	ND	0.330	-	-	mg/kg
	Phenanthrene	ND	0.330	6.1	7.6	mg/kg
	Pyrene	ND	0.330	8.8	16	mg/kg
AK101 (GRO)	Gasoline Range Organics	ND	1.53	-	-	mg/kg
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	125	-	-	mg/kg
	Residual Range Organics	ND	250	-	-	mg/kg
Al Total ICPMS 6020	Aluminum	14200	150	-	-	mg/kg
As Total ICPMS 6020	Arsenic	4.75	0.500	20	51	mg/kg
Ba Total ICPMS 6020	Barium	67.0	5.00	-	-	mg/kg
Ca Total ICPMS 6020	Calcium	6190	150	-	-	mg/kg
Cd Total ICPMS 6020	Cadmium	ND	0.500	0.6	1	mg/kg
Co Total ICPMS 6020	Cobalt	9.24	0.500	-	-	mg/kg
Cr Total ICPMS 6020	Chromium	28.5	0.500	-	-	mg/kg
Cu Total ICPMS 6020	Copper	27.6	0.500	80	830	mg/kg
Fe Total ICPMS 6020	Iron	26800	750	-	-	mg/kg
Hg Total 7470/7471	Mercury	ND	0.0893	0.5	0.75	mg/kg
K Total ICPMS 6020	Potassium	ND	1580	-	-	mg/kg
Mg Total ICPMS 6020	Magnesium	8140	150	-	-	mg/kg
Mn Total ICPMS 6020	Manganese	799	25.0	-	-	mg/kg
Na Total ICPMS 6020	Sodium	190	150	-	-	mg/kg
Ni Total ICPMS 6020	Nickel	29.4	0.500	-	-	mg/kg
Pb Total ICPMS 6020	Lead	5.64	0.500	-	-	mg/kg
Sb Total ICPMS 6020	Antimony	ND	1.50	-	-	mg/kg
Se Total ICPMS 6020	Selenium	ND	0.500	-	-	mg/kg
V Total ICPMS 6020	Vanadium	46.5	0.500	-	-	mg/kg
Zn Total ICPMS 6020	Zinc	68.9	5.00	140	160	mg/kg

Notes:
* The SQS and CSL listed are for total PCBs.
Sediment benchmarks and background data are not available for all analytes.
CSL - Contaminant Screening Level.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/kg - milligrams per kilogram.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SQS - Sediment Quality Standard.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 17 - Analytical Results for Sediment Sample SHIP-SD-03B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 3
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8082 PCB Only	Aroclor 1016	ND	0.025	0.060*	0.12*	mg/kg
	Aroclor 1221	ND	0.05	.060*	0.12*	mg/kg
	Aroclor 1232	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1242	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1248	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1254	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1260	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1262	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1268	ND	0.025	.060*	0.12*	mg/kg
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,1-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1,2,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,2-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethene	ND	0.100	-	-	mg/kg
	1,1-Dichloropropene	ND	0.100	-	-	mg/kg
	1,2,3-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,3-Trichloropropane	ND	0.100	-	-	mg/kg
	1,2,4-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,4-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,2-Dibromo-3-chloropropane	ND	0.500	-	-	mg/kg
	1,2-Dibromoethane	ND	0.100	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,2-Dichloroethane	ND	0.100	-	-	mg/kg
	1,2-Dichloropropane	ND	0.100	-	-	mg/kg
	1,3,5-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,3-Dichloropropane	ND	0.100	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.100	-	-	mg/kg
	2,2-Dichloropropane	ND	0.100	-	-	mg/kg
	2-Butanone	ND	1.00	-	-	mg/kg
	2-Chlorotoluene	ND	0.100	-	-	mg/kg
	2-Hexanone	ND	1.00	-	-	mg/kg
	4-Chlorotoluene	ND	0.100	-	-	mg/kg
	4-Methyl-2-pentanone	ND	1.00	-	-	mg/kg
	Acetone	ND	1.00	-	-	mg/kg
	Benzene	ND	0.100	-	-	mg/kg
	Bromobenzene	ND	0.100	-	-	mg/kg
	Bromochloromethane	ND	0.100	-	-	mg/kg
	Bromodichloromethane	ND	0.100	-	-	mg/kg
	Bromoform	ND	0.100	-	-	mg/kg
	Bromomethane	ND	0.100	-	-	mg/kg
	Carbon disulfide	ND	0.100	-	-	mg/kg
	Carbon tetrachloride	ND	0.100	-	-	mg/kg
	Chlorobenzene	ND	0.100	-	-	mg/kg
	Chloroethane	ND	0.100	-	-	mg/kg
	Chloroform	ND	0.100	-	-	mg/kg
	Chloromethane	ND	0.500	-	-	mg/kg
	cis-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	cis-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Dibromochloromethane	ND	0.100	-	-	mg/kg
	Dichlorodifluoromethane	ND	0.100	-	-	mg/kg
	Ethylbenzene	ND	0.100	-	-	mg/kg
	Hexachlorobutadiene	ND	0.100	-	-	mg/kg
	Isopropylbenzene	ND	0.100	-	-	mg/kg
	m,p-Xylene	ND	0.200	-	-	mg/kg
	Methylene chloride	ND	1.00	-	-	mg/kg

(continued)
Table 17 - Analytical Results for Sediment Sample SHIP-SD-03B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 3
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8260B VOA Full List	Naphthalene	ND	0.100	0.5	1.31	mg/kg
	n-Butylbenzene	ND	0.100	-	-	mg/kg
	n-Propylbenzene	ND	0.100	-	-	mg/kg
	o-Xylene	ND	0.100	-	-	mg/kg
	p-Isopropyltoluene	ND	0.100	-	-	mg/kg
	sec-Butylbenzene	ND	0.100	-	-	mg/kg
	Styrene	ND	0.100	-	-	mg/kg
	tert-Butylbenzene	ND	0.100	-	-	mg/kg
	Tetrachloroethene	ND	0.100	-	-	mg/kg
	Toluene	ND	0.100	-	-	mg/kg
	trans-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	trans-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Trichloroethene	ND	0.100	-	-	mg/kg
	Trichlorofluoromethane	ND	0.100	-	-	mg/kg
	Vinyl chloride	ND	0.100	-	-	mg/kg
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.330	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.330	-	-	mg/kg
	2,4-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2,6-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2-Chloronaphthalene	ND	0.330	-	-	mg/kg
	2-Methylnaphthalene	ND	0.330	0.47	0.56	mg/kg
	3,3´-Dichlorobenzidine	ND	5.00	-	-	mg/kg
	4-Bromophenyl phenyl ether	ND	0.330	-	-	mg/kg
	4-Chloroaniline	ND	0.500	-	-	mg/kg
	4-Chlorophenyl phenyl ether	ND	0.330	-	-	mg/kg
	Acenaphthene	ND	0.330	1.06	1.32	mg/kg
	Acenaphthylene	ND	0.330	0.47	0.64	mg/kg
	Anthracene	ND	0.330	1.2	1.58	mg/kg
	Benzo (a) anthracene	ND	0.330	4.26	5.8	mg/kg
	Benzo (a) pyrene	ND	0.330	3.3	4.81	mg/kg
	Benzo (b) fluoranthene	ND	0.330	11	14	mg/kg
	Benzo (ghi) perylene	ND	0.330	4.02	5.2	mg/kg
	Benzo (k) fluoranthene	ND	0.330	11	14	mg/kg
	Benzyl alcohol	ND	0.330	-	-	mg/kg
	Bis(2-chloroethoxy)methane	ND	0.330	-	-	mg/kg
	Bis(2-chloroethyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-chloroisopropyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-ethylhexyl)phthalate	ND	0.330	0.23	0.32	mg/kg
	Butyl benzyl phthalate	ND	0.330	0.26	0.37	mg/kg
	Carbazole	ND	0.330	-	-	mg/kg
	Chrysene	ND	0.330	5.94	6.4	mg/kg
	Dibenz (a,h) anthracene	ND	0.330	0.8	0.84	mg/kg
	Dibenzofuran	ND	0.330	0.4	0.44	mg/kg
	Diethyl phthalate	ND	0.330	-	-	mg/kg
	Dimethyl phthalate	ND	0.330	0.046	0.44	mg/kg
	Di-n-butyl phthalate	ND	0.330	-	-	mg/kg
	Di-n-octyl phthalate	ND	0.330	0.026	0.045	mg/kg
	Fluoranthene	ND	0.330	11	15	mg/kg
	Fluorene	ND	0.330	1	3	mg/kg
	Hexachlorobenzene	ND	0.330	-	-	mg/kg
	Hexachlorobutadiene	ND	0.330	-	-	mg/kg
	Hexachlorocyclopentadiene	ND	0.500	-	-	mg/kg
	Hexachloroethane	ND	0.330	-	-	mg/kg
	Indeno (1,2,3-cd) pyrene	ND	0.330	4.12	5.3	mg/kg
	Isophorone	ND	0.330	-	-	mg/kg

(continued)
Table 17 - Analytical Results for Sediment Sample SHIP-SD-03B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 3
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8270C SVOA Full List	Naphthalene	ND	0.330	0.5	1.31	mg/kg
	Nitrobenzene	ND	0.330	-	-	mg/kg
	Phenanthrene	ND	0.330	6.1	7.6	mg/kg
	Pyrene	ND	0.330	8.8	16	mg/kg
AK101 (GRO)	Gasoline Range Organics	ND	0.868	-	-	mg/kg
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	25.0	-	-	mg/kg
	Residual Range Organics	ND	50.0	-	-	mg/kg
Al Total ICPMS 6020	Aluminum	11600	150	-	-	mg/kg
As Total ICPMS 6020	Arsenic	4.15	0.500	20	51	mg/kg
Ba Total ICPMS 6020	Barium	54.1	5.00	-	-	mg/kg
Ca Total ICPMS 6020	Calcium	5820	150	-	-	mg/kg
Cd Total ICPMS 6020	Cadmium	ND	0.500	0.6	1	mg/kg
Co Total ICPMS 6020	Cobalt	7.48	0.500	-	-	mg/kg
Cr Total ICPMS 6020	Chromium	21.9	0.500	-	-	mg/kg
Cu Total ICPMS 6020	Copper	23.1	0.500	80	830	mg/kg
Fe Total ICPMS 6020	Iron	20700	750	-	-	mg/kg
Hg Total 7470/7471	Mercury	ND	0.100	0.5	0.75	mg/kg
K Total ICPMS 6020	Potassium	ND	1500	-	-	mg/kg
Mg Total ICPMS 6020	Magnesium	6360	150	-	-	mg/kg
Mn Total ICPMS 6020	Manganese	650	25.0	-	-	mg/kg
Na Total ICPMS 6020	Sodium	165	150	-	-	mg/kg
Ni Total ICPMS 6020	Nickel	25.8	0.500	-	-	mg/kg
Pb Total ICPMS 6020	Lead	4.55	0.500	-	-	mg/kg
Sb Total ICPMS 6020	Antimony	ND	1.50	-	-	mg/kg
Se Total ICPMS 6020	Selenium	ND	0.500	-	-	mg/kg
V Total ICPMS 6020	Vanadium	40.0	0.500	-	-	mg/kg
Zn Total ICPMS 6020	Zinc	55.1	5.00	140	160	mg/kg

Notes:
* The SQS and CSL listed are for total PCBs.
Sediment benchmarks and background data are not available for all analytes.
CSL - Contaminant Screening Level.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/kg - milligrams per kilogram.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SQS - Sediment Quality Standard.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 18 - Analytical Results for Sediment Sample SHIP-SD-04A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8082 PCB Only	Aroclor 1016	ND	0.025	0.060*	0.12*	mg/kg
	Aroclor 1221	ND	0.05	.060*	0.12*	mg/kg
	Aroclor 1232	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1242	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1248	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1254	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1260	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1262	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1268	ND	0.025	.060*	0.12*	mg/kg
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,1-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1,2,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,2-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethene	ND	0.100	-	-	mg/kg
	1,1-Dichloropropene	ND	0.100	-	-	mg/kg
	1,2,3-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,3-Trichloropropane	ND	0.100	-	-	mg/kg
	1,2,4-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,4-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,2-Dibromo-3-chloropropane	ND	0.500	-	-	mg/kg
	1,2-Dibromoethane	ND	0.100	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,2-Dichloroethane	ND	0.100	-	-	mg/kg
	1,2-Dichloropropane	ND	0.100	-	-	mg/kg
	1,3,5-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,3-Dichloropropane	ND	0.100	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.100	-	-	mg/kg
	2,2-Dichloropropane	ND	0.100	-	-	mg/kg
	2-Butanone	ND	1.00	-	-	mg/kg
	2-Chlorotoluene	ND	0.100	-	-	mg/kg
	2-Hexanone	ND	1.00	-	-	mg/kg
	4-Chlorotoluene	ND	0.100	-	-	mg/kg
	4-Methyl-2-pentanone	ND	1.00	-	-	mg/kg
	Acetone	ND	1.00	-	-	mg/kg
	Benzene	ND	0.100	-	-	mg/kg
	Bromobenzene	ND	0.100	-	-	mg/kg
	Bromochloromethane	ND	0.100	-	-	mg/kg
	Bromodichloromethane	ND	0.100	-	-	mg/kg
	Bromoform	ND	0.100	-	-	mg/kg
	Bromomethane	ND	0.100	-	-	mg/kg
	Carbon disulfide	ND	0.100	-	-	mg/kg
	Carbon tetrachloride	ND	0.100	-	-	mg/kg
	Chlorobenzene	ND	0.100	-	-	mg/kg
	Chloroethane	ND	0.100	-	-	mg/kg
	Chloroform	ND	0.100	-	-	mg/kg
	Chloromethane	ND	0.500	-	-	mg/kg
	cis-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	cis-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Dibromochloromethane	ND	0.100	-	-	mg/kg
	Dibromomethane	ND	0.100	-	-	mg/kg
	Dichlorodifluoromethane	ND	0.100	-	-	mg/kg
	Ethylbenzene	ND	0.100	-	-	mg/kg
	Hexachlorobutadiene	ND	0.100	-	-	mg/kg
	Isopropylbenzene	ND	0.100	-	-	mg/kg
	m,p-Xylene	ND	0.200	-	-	mg/kg
	Methylene chloride	ND	1.00	-	-	mg/kg

(continued)
Table 18 - Analytical Results for Sediment Sample SHIP-SD-04A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8260B VOA Full List	Naphthalene	ND	0.100	0.5	1.31	mg/kg
	n-Butylbenzene	ND	0.100	-	-	mg/kg
	n-Propylbenzene	ND	0.100	-	-	mg/kg
	o-Xylene	ND	0.100	-	-	mg/kg
	p-Isopropyltoluene	ND	0.100	-	-	mg/kg
	sec-Butylbenzene	ND	0.100	-	-	mg/kg
	Styrene	ND	0.100	-	-	mg/kg
	tert-Butylbenzene	ND	0.100	-	-	mg/kg
	Tetrachloroethene	ND	0.100	-	-	mg/kg
	Toluene	ND	0.100	-	-	mg/kg
	trans-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	trans-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Trichloroethene	ND	0.100	-	-	mg/kg
	Trichlorofluoromethane	ND	0.100	-	-	mg/kg
	Vinyl chloride	ND	0.100	-	-	mg/kg
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.330	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.330	-	-	mg/kg
	2,4-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2,6-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2-Chloronaphthalene	ND	0.330	-	-	mg/kg
	2-Methylnaphthalene	ND	0.330	0.47	0.56	mg/kg
	3,3'-Dichlorobenzidine	ND	5.00	-	-	mg/kg
	4-Bromophenyl phenyl ether	ND	0.330	-	-	mg/kg
	4-Chloroaniline	ND	0.500	-	-	mg/kg
	4-Chlorophenyl phenyl ether	ND	0.330	-	-	mg/kg
	Acenaphthene	ND	0.330	1.06	1.32	mg/kg
	Acenaphthylene	ND	0.330	0.47	0.64	mg/kg
	Anthracene	ND	0.330	1.2	1.58	mg/kg
	Benzo (a) anthracene	ND	0.330	4.26	5.8	mg/kg
	Benzo (a) pyrene	ND	0.330	3.3	4.81	mg/kg
	Benzo (b) fluoranthene	ND	0.330	11	14	mg/kg
	Benzo (ghi) perylene	ND	0.330	4.02	5.2	mg/kg
	Benzo (k) fluoranthene	ND	0.330	11	14	mg/kg
	Benzyl alcohol	ND	0.330	-	-	mg/kg
	Bis(2-chloroethoxy)methane	ND	0.330	-	-	mg/kg
	Bis(2-chloroethyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-chloroisopropyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-ethylhexyl)phthalate	ND	0.330	0.23	0.32	mg/kg
	Butyl benzyl phthalate	ND	0.330	0.26	0.37	mg/kg
	Carbazole	ND	0.330	-	-	mg/kg
	Chrysene	ND	0.330	5.94	6.4	mg/kg
	Dibenz (a,h) anthracene	ND	0.330	0.8	0.84	mg/kg
	Dibenzofuran	ND	0.330	0.4	0.44	mg/kg
	Diethyl phthalate	ND	0.330	-	-	mg/kg
	Dimethyl phthalate	ND	0.330	0.046	0.44	mg/kg
	Di-n-butyl phthalate	ND	0.330	-	-	mg/kg
	Di-n-octyl phthalate	ND	0.330	0.026	0.045	mg/kg
	Fluoranthene	ND	0.330	11	15	mg/kg
	Fluorene	ND	0.330	1	3	mg/kg
	Hexachlorobenzene	ND	0.330	-	-	mg/kg
	Hexachlorobutadiene	ND	0.330	-	-	mg/kg
	Hexachlorocyclopentadiene	ND	0.500	-	-	mg/kg
	Hexachloroethane	ND	0.330	-	-	mg/kg
	Indeno (1,2,3-cd) pyrene	ND	0.330	4.12	5.3	mg/kg
	Isophorone	ND	0.330	-	-	mg/kg

(continued)
Table 18 - Analytical Results for Sediment Sample SHIP-SD-04A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8270C SVOA Full List	Naphthalene	ND	0.330	0.5	1.31	mg/kg
	Nitrobenzene	ND	0.330	-	-	mg/kg
	Phenanthrene	ND	0.330	6.1	7.6	mg/kg
	Pyrene	ND	0.330	8.8	16	mg/kg
AK101 (GRO)	Gasoline Range Organics	ND	0.836	-	-	mg/kg
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	25.0	-	-	mg/kg
	Residual Range Organics	ND	50.0	-	-	mg/kg
Al Total ICPMS 6020	Aluminum	16900	750	-	-	mg/kg
As Total ICPMS 6020	Arsenic	5.70	0.500	20	51	mg/kg
Ba Total ICPMS 6020	Barium	69.1	5.00	-	-	mg/kg
Ca Total ICPMS 6020	Calcium	7520	150	-	-	mg/kg
Cd Total ICPMS 6020	Cadmium	ND	0.500	0.6	1	mg/kg
Co Total ICPMS 6020	Cobalt	10.9	0.500	-	-	mg/kg
Cr Total ICPMS 6020	Chromium	34.5	0.500	-	-	mg/kg
Cu Total ICPMS 6020	Copper	27.7	0.500	80	830	mg/kg
Fe Total ICPMS 6020	Iron	29900	750	-	-	mg/kg
Hg Total 7470/7471	Mercury	ND	0.100	0.5	0.75	mg/kg
K Total ICPMS 6020	Potassium	ND	1580	-	-	mg/kg
Mg Total ICPMS 6020	Magnesium	9500	150	-	-	mg/kg
Mn Total ICPMS 6020	Manganese	730	25.0	-	-	mg/kg
Na Total ICPMS 6020	Sodium	268	150	-	-	mg/kg
Ni Total ICPMS 6020	Nickel	36.4	0.500	-	-	mg/kg
Pb Total ICPMS 6020	Lead	5.70	0.500	-	-	mg/kg
Sb Total ICPMS 6020	Antimony	ND	1.50	-	-	mg/kg
Se Total ICPMS 6020	Selenium	ND	0.500	-	-	mg/kg
V Total ICPMS 6020	Vanadium	55.1	0.500	-	-	mg/kg
Zn Total ICPMS 6020	Zinc	72.4	5.00	140	160	mg/kg

Notes:
* The SQS and CSL listed are for total PCBs.
Sediment benchmarks and background data are not available for all analytes.
CSL - Contaminant Screening Level.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/kg - milligrams per kilogram.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SQS - Sediment Quality Standard.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 19 - Analytical Results for Sediment Sample SHIP-SD-04B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8082 PCB Only	Aroclor 1016	ND	0.025	0.060*	0.12*	mg/kg
	Aroclor 1221	ND	0.05	.060*	0.12*	mg/kg
	Aroclor 1232	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1242	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1248	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1254	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1260	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1262	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1268	ND	0.025	.060*	0.12*	mg/kg
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,1-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1,2,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,2-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethene	ND	0.100	-	-	mg/kg
	1,1-Dichloropropene	ND	0.100	-	-	mg/kg
	1,2,3-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,3-Trichloropropane	ND	0.100	-	-	mg/kg
	1,2,4-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,4-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,2-Dibromo-3-chloropropane	ND	0.500	-	-	mg/kg
	1,2-Dibromoethane	ND	0.100	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,2-Dichloroethane	ND	0.100	-	-	mg/kg
	1,2-Dichloropropane	ND	0.100	-	-	mg/kg
	1,3,5-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,3-Dichloropropane	ND	0.100	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.100	-	-	mg/kg
	2,2-Dichloropropane	ND	0.100	-	-	mg/kg
	2-Butanone	ND	1.00	-	-	mg/kg
	2-Chlorotoluene	ND	0.100	-	-	mg/kg
	2-Hexanone	ND	1.00	-	-	mg/kg
	4-Chlorotoluene	ND	0.100	-	-	mg/kg
	4-Methyl-2-pentanone	ND	1.00	-	-	mg/kg
	Acetone	ND	1.00	-	-	mg/kg
	Benzene	ND	0.100	-	-	mg/kg
	Bromobenzene	ND	0.100	-	-	mg/kg
	Bromochloromethane	ND	0.100	-	-	mg/kg
	Bromodichloromethane	ND	0.100	-	-	mg/kg
	Bromoform	ND	0.100	-	-	mg/kg
	Bromomethane	ND	0.100	-	-	mg/kg
	Carbon disulfide	ND	0.100	-	-	mg/kg
	Carbon tetrachloride	ND	0.100	-	-	mg/kg
	Chlorobenzene	ND	0.100	-	-	mg/kg
	Chloroethane	ND	0.100	-	-	mg/kg
	Chloroform	ND	0.100	-	-	mg/kg
	Chloromethane	ND	0.500	-	-	mg/kg
	cis-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	cis-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Dibromochloromethane	ND	0.100	-	-	mg/kg
	Dibromomethane	ND	0.100	-	-	mg/kg
	Dichlorodifluoromethane	ND	0.100	-	-	mg/kg
	Ethylbenzene	ND	0.100	-	-	mg/kg
	Hexachlorobutadiene	ND	0.100	-	-	mg/kg
	Isopropylbenzene	ND	0.100	-	-	mg/kg
	m,p-Xylene	ND	0.200	-	-	mg/kg
	Methylene chloride	ND	1.00	-	-	mg/kg

(continued)
Table 19 - Analytical Results for Sediment Sample SHIP-SD-04B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8260B VOA Full List	Naphthalene	ND	0.100	0.5	1.31	mg/kg
	n-Butylbenzene	ND	0.100	-	-	mg/kg
	n-Propylbenzene	ND	0.100	-	-	mg/kg
	o-Xylene	ND	0.100	-	-	mg/kg
	p-Isopropyltoluene	ND	0.100	-	-	mg/kg
	sec-Butylbenzene	ND	0.100	-	-	mg/kg
	Styrene	ND	0.100	-	-	mg/kg
	tert-Butylbenzene	ND	0.100	-	-	mg/kg
	Tetrachloroethene	ND	0.100	-	-	mg/kg
	Toluene	ND	0.100	-	-	mg/kg
	trans-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	trans-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Trichloroethene	ND	0.100	-	-	mg/kg
	Trichlorofluoromethane	ND	0.100	-	-	mg/kg
	Vinyl chloride	ND	0.100	-	-	mg/kg
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.330	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.330	-	-	mg/kg
	2,4-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2,6-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2-Chloronaphthalene	ND	0.330	-	-	mg/kg
	2-Methylnaphthalene	ND	0.330	0.47	0.56	mg/kg
	3,3´-Dichlorobenzidine	ND	5.00	-	-	mg/kg
	4-Bromophenyl phenyl ether	ND	0.330	-	-	mg/kg
	4-Chloroaniline	ND	0.500	-	-	mg/kg
	4-Chlorophenyl phenyl ether	ND	0.330	-	-	mg/kg
	Acenaphthene	ND	0.330	1.06	1.32	mg/kg
	Acenaphthylene	ND	0.330	0.47	0.64	mg/kg
	Anthracene	ND	0.330	1.2	1.58	mg/kg
	Benzo (a) anthracene	ND	0.330	4.26	5.8	mg/kg
	Benzo (a) pyrene	ND	0.330	3.3	4.81	mg/kg
	Benzo (b) fluoranthene	ND	0.330	11	14	mg/kg
	Benzo (ghi) perylene	ND	0.330	4.02	5.2	mg/kg
	Benzo (k) fluoranthene	ND	0.330	11	14	mg/kg
	Benzyl alcohol	ND	0.330	-	-	mg/kg
	Bis(2-chloroethoxy)methane	ND	0.330	-	-	mg/kg
	Bis(2-chloroethyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-chloroisopropyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-ethylhexyl)phthalate	ND	0.330	0.23	0.32	mg/kg
	Butyl benzyl phthalate	ND	0.330	0.26	0.37	mg/kg
	Carbazole	ND	0.330	-	-	mg/kg
	Chrysene	ND	0.330	5.94	6.4	mg/kg
	Dibenz (a,h) anthracene	ND	0.330	0.8	0.84	mg/kg
	Dibenzofuran	ND	0.330	0.4	0.44	mg/kg
	Diethyl phthalate	ND	0.330	-	-	mg/kg
	Dimethyl phthalate	ND	0.330	0.046	0.44	mg/kg
	Di-n-butyl phthalate	ND	0.330	-	-	mg/kg
	Di-n-octyl phthalate	ND	0.330	0.026	0.045	mg/kg
	Fluoranthene	ND	0.330	11	15	mg/kg
	Fluorene	ND	0.330	1	3	mg/kg
	Hexachlorobenzene	ND	0.330	-	-	mg/kg
	Hexachlorobutadiene	ND	0.330	-	-	mg/kg
	Hexachlorocyclopentadiene	ND	0.500	-	-	mg/kg
	Hexachloroethane	ND	0.330	-	-	mg/kg
	Indeno (1,2,3-cd) pyrene	ND	0.330	4.12	5.3	mg/kg
	Isophorone	ND	0.330	-	-	mg/kg

(continued)
Table 19 - Analytical Results for Sediment Sample SHIP-SD-04B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8270C SVOA Full List	Naphthalene	ND	0.330	0.5	1.31	mg/kg
	Nitrobenzene	ND	0.330	-	-	mg/kg
	Phenanthrene	ND	0.330	6.1	7.6	mg/kg
	Pyrene	ND	0.330	8.8	16	mg/kg
AK101 (GRO)	Gasoline Range Organics	ND	1.08	-	-	mg/kg
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	25.0	-	-	mg/kg
AK102/103 (DRO/RRO)	Residual Range Organics	ND	50.0	-	-	mg/kg
Al Total ICPMS 6020	Aluminum	17100	750	-	-	mg/kg
As Total ICPMS 6020	Arsenic	5.53	0.500	20	51	mg/kg
Ba Total ICPMS 6020	Barium	63.0	5.00	-	-	mg/kg
Ca Total ICPMS 6020	Calcium	7950	150	-	-	mg/kg
Cd Total ICPMS 6020	Cadmium	ND	0.500	0.6	1	mg/kg
Co Total ICPMS 6020	Cobalt	11.2	0.500	-	-	mg/kg
Cr Total ICPMS 6020	Chromium	36.9	0.500	-	-	mg/kg
Cu Total ICPMS 6020	Copper	28.2	0.500	80	830	mg/kg
Fe Total ICPMS 6020	Iron	31300	750	-	-	mg/kg
Hg Total 7470/7471	Mercury	0.931 **	0.100	0.5	0.75	mg/kg
K Total ICPMS 6020	Potassium	ND	1430	-	-	mg/kg
Mg Total ICPMS 6020	Magnesium	10100	150	-	-	mg/kg
Mn Total ICPMS 6020	Manganese	646	25.0	-	-	mg/kg
Na Total ICPMS 6020	Sodium	209	150	-	-	mg/kg
Ni Total ICPMS 6020	Nickel	41.6	0.500	-	-	mg/kg
Pb Total ICPMS 6020	Lead	7.84	0.500	-	-	mg/kg
Sb Total ICPMS 6020	Antimony	ND	1.50	-	-	mg/kg
Se Total ICPMS 6020	Selenium	ND	0.500	-	-	mg/kg
V Total ICPMS 6020	Vanadium	60.3	0.500	-	-	mg/kg
Zn Total ICPMS 6020	Zinc	71.0	5.00	140	160	mg/kg

Notes:

* The SQS and CSL listed are for total PCBs.
** - This sample was re-extracted and re-analyzed for mercury outside of holding time. It was not detected in the rerun.
Sediment benchmarks and background data are not available for all analytes.
CSL - Contaminant Screening Level.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/kg - milligrams per kilogram.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SQS - Sediment Quality Standard.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 20 - Analytical Results for Sediment Sample SHIP-SD-041-A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

METHOD CODE	ANALYTE	RESULT	RL	SQS	CSL	UNITS
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,1-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1,2,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,2-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethene	ND	0.100	-	-	mg/kg
	1,1-Dichloropropene	ND	0.100	-	-	mg/kg
	1,2,3-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,3-Trichloropropane	ND	0.100	-	-	mg/kg
	1,2,4-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,4-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,2-Dibromo-3-chloropropane	ND	0.500	-	-	mg/kg
	1,2-Dibromoethane	ND	0.100	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,2-Dichloroethane	ND	0.100	-	-	mg/kg
	1,2-Dichloropropane	ND	0.100	-	-	mg/kg
	1,3,5-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,3-Dichloropropane	ND	0.100	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.100	-	-	mg/kg
	2,2-Dichloropropane	ND	0.100	-	-	mg/kg
	2-Butanone	ND	1.00	-	-	mg/kg
	2-Chlorotoluene	ND	0.100	-	-	mg/kg
	2-Hexanone	ND	1.00	-	-	mg/kg
	4-Chlorotoluene	ND	0.100	-	-	mg/kg
	4-Methyl-2-pentanone	ND	1.00	-	-	mg/kg
	Acetone	ND	1.00	-	-	mg/kg
	Benzene	ND	0.100	-	-	mg/kg
	Bromobenzene	ND	0.100	-	-	mg/kg
	Bromochloromethane	ND	0.100	-	-	mg/kg
	Bromodichloromethane	ND	0.100	-	-	mg/kg
	Bromoform	ND	0.100	-	-	mg/kg
	Bromomethane	ND	0.100	-	-	mg/kg
	Carbon disulfide	ND	0.100	-	-	mg/kg
	Carbon tetrachloride	ND	0.100	-	-	mg/kg
	Chlorobenzene	ND	0.100	-	-	mg/kg
	Chloroethane	ND	0.100	-	-	mg/kg
	Chloroform	ND	0.100	-	-	mg/kg
	Chloromethane	ND	0.500	-	-	mg/kg
	cis-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	cis-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Dibromochloromethane	ND	0.100	-	-	mg/kg
	Dibromomethane	ND	0.100	-	-	mg/kg
	Dichlorodifluoromethane	ND	0.100	-	-	mg/kg
	Ethylbenzene	ND	0.100	-	-	mg/kg
	Hexachlorobutadiene	ND	0.100	-	-	mg/kg
	Isopropylbenzene	ND	0.100	-	-	mg/kg
	m,p-Xylene	ND	0.200	-	-	mg/kg
	Methylene chloride	ND	1.00	-	-	mg/kg
	Naphthalene	ND	0.100	0.5	1.31	mg/kg
	n-Butylbenzene	ND	0.100	-	-	mg/kg
	n-Propylbenzene	ND	0.100	-	-	mg/kg
	p-Isopropyltoluene	ND	0.100	-	-	mg/kg
	sec-Butylbenzene	ND	0.100	-	-	mg/kg
	Styrene	ND	0.100	-	-	mg/kg
	tert-Butylbenzene	ND	0.100	-	-	mg/kg
	Tetrachloroethene	ND	0.100	-	-	mg/kg
	Toluene	ND	0.100	-	-	mg/kg
	trans-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	trans-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Trichloroethene	ND	0.100	-	-	mg/kg
	o-Xylene	ND	0.100	-	-	mg/kg
	Trichlorofluoromethane	ND	0.100	-	-	mg/kg
	Vinyl chloride	ND	0.100	-	-	mg/kg

(continued)
Table 20 - Analytical Results for Sediment Sample SHIP-SD-041-A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 4
Anchorage, Alaska

METHOD CODE	ANALYTE	RESULT	RL	SQS	CSL	UNITS
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.330	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.330	-	-	mg/kg
	2,4-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2,6-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2-Chloronaphthalene	ND	0.330	-	-	mg/kg
	2-Methylnaphthalene	ND	0.330	0.47	0.56	mg/kg
	3,3'-Dichlorobenzidine	ND	5.00	-	-	mg/kg
	4-Bromophenyl phenyl ether	ND	0.330	-	-	mg/kg
	4-Chloroaniline	ND	0.500	-	-	mg/kg
	4-Chlorophenyl phenyl ether	ND	0.330	-	-	mg/kg
	Acenaphthene	ND	0.330	1.06	1.32	mg/kg
	Acenaphthylene	ND	0.330	0.47	0.64	mg/kg
	Anthracene	ND	0.330	1.2	1.58	mg/kg
	Benzo (a) anthracene	ND	0.330	4.26	5.8	mg/kg
	Benzo (a) pyrene	ND	0.330	3.3	4.81	mg/kg
	Benzo (b) fluoranthene	ND	0.330	11	14	mg/kg
	Benzo (ghi) perylene	ND	0.330	4.02	5.2	mg/kg
	Benzo (k) fluoranthene	ND	0.330	11	14	mg/kg
	Benzyl alcohol	ND	0.330	-	-	mg/kg
	Bis(2-chloroethoxy)methane	ND	0.330	-	-	mg/kg
	Bis(2-chloroethyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-chloroisopropyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-ethylhexyl)phthalate	ND	0.330	0.23	0.32	mg/kg
	Butyl benzyl phthalate	ND	0.330	0.26	0.37	mg/kg
	Carbazole	ND	0.330	-	-	mg/kg
	Chrysene	ND	0.330	5.94	6.4	mg/kg
	Dibenz (a,h) anthracene	ND	0.330	0.8	0.84	mg/kg
	Dibenzofuran	ND	0.330	0.4	0.44	mg/kg
	Diethyl phthalate	ND	0.330	-	-	mg/kg
	Dimethyl phthalate	ND	0.330	0.046	0.44	mg/kg
	Di-n-butyl phthalate	ND	0.330	-	-	mg/kg
	Di-n-octyl phthalate	ND	0.330	0.026	0.045	mg/kg
	Fluoranthene	ND	0.330	11	15	mg/kg
	Fluorene	ND	0.330	1	3	mg/kg
	Hexachlorobenzene	ND	0.330	-	-	mg/kg
	Hexachlorobutadiene	ND	0.330	-	-	mg/kg
	Hexachlorocyclopentadiene	ND	0.500	-	-	mg/kg
	Hexachloroethane	ND	0.330	-	-	mg/kg
	Indeno (1,2,3-cd) pyrene	ND	0.330	4.12	5.3	mg/kg
	Isophorone	ND	0.330	-	-	mg/kg
	Naphthalene	ND	0.330	0.5	1.31	mg/kg
	Nitrobenzene	ND	0.330	-	-	mg/kg
	Phenanthrene	ND	0.330	6.1	7.6	mg/kg
	Pyrene	ND	0.330	8.8	16	mg/kg
AK101 (GRO)	Gasoline Range Organics	ND	1.01	-	-	mg/kg
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	25.0	-	-	mg/kg
	Residual Range Organics	ND	50.0	-	-	mg/kg

Notes:
Sediment benchmarks and background data are not available for all analytes.
CSL - Contaminant Screening Level.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
mg/kg - milligrams per kilogram.
ND - Not detected at the reporting limit shown.
RRO - Residual-range organics.
SQS - Sediment Quality Standard.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 21 - Analytical Results for Sediment Sample SHIP-SD-05A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 5
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8082 PCB Only	Aroclor 1016	ND	0.025	0.060*	0.12*	mg/kg
	Aroclor 1221	ND	0.05	.060*	0.12*	mg/kg
	Aroclor 1232	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1242	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1248	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1254	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1260	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1262	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1268	ND	0.025	.060*	0.12*	mg/kg
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,1-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1,2,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,2-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethene	ND	0.100	-	-	mg/kg
	1,1-Dichloropropene	ND	0.100	-	-	mg/kg
	1,2,3-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,3-Trichloropropane	ND	0.100	-	-	mg/kg
	1,2,4-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,4-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,2-Dibromo-3-chloropropane	ND	0.500	-	-	mg/kg
	1,2-Dibromoethane	ND	0.100	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,2-Dichloroethane	ND	0.100	-	-	mg/kg
	1,2-Dichloropropane	ND	0.100	-	-	mg/kg
	1,3,5-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,3-Dichloropropane	ND	0.100	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.100	-	-	mg/kg
	2,2-Dichloropropane	ND	0.100	-	-	mg/kg
	2-Butanone	ND	1.00	-	-	mg/kg
	2-Chlorotoluene	ND	0.100	-	-	mg/kg
	2-Hexanone	ND	1.00	-	-	mg/kg
	4-Chlorotoluene	ND	0.100	-	-	mg/kg
	4-Methyl-2-pentanone	ND	1.00	-	-	mg/kg
	Acetone	ND	1.00	-	-	mg/kg
	Benzene	ND	0.100	-	-	mg/kg
	Bromobenzene	ND	0.100	-	-	mg/kg
	Bromochloromethane	ND	0.100	-	-	mg/kg
	Bromodichloromethane	ND	0.100	-	-	mg/kg
	Bromoform	ND	0.100	-	-	mg/kg
	Bromomethane	ND	0.100	-	-	mg/kg
	Carbon disulfide	ND	0.100	-	-	mg/kg
	Carbon tetrachloride	ND	0.100	-	-	mg/kg
	Chlorobenzene	ND	0.100	-	-	mg/kg
	Chloroethane	ND	0.100	-	-	mg/kg
	Chloroform	ND	0.100	-	-	mg/kg
	Chloromethane	ND	0.500	-	-	mg/kg
	cis-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	cis-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Dibromochloromethane	ND	0.100	-	-	mg/kg
	Dibromomethane	ND	0.100	-	-	mg/kg
	Dichlorodifluoromethane	ND	0.100	-	-	mg/kg
	Ethylbenzene	ND	0.100	-	-	mg/kg
	Hexachlorobutadiene	ND	0.100	-	-	mg/kg
	Isopropylbenzene	ND	0.100	-	-	mg/kg
	m,p-Xylene	ND	0.200	-	-	mg/kg
	Methylene chloride	ND	1.00	-	-	mg/kg

(continued)
Table 21 - Analytical Results for Sediment Sample SHIP-SD-05A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 5
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8260B VOA Full List	Naphthalene	ND	0.100	0.5	1.31	mg/kg
	n-Butylbenzene	ND	0.100	-	-	mg/kg
	n-Propylbenzene	ND	0.100	-	-	mg/kg
	o-Xylene	ND	0.100	-	-	mg/kg
	p-Isopropyltoluene	ND	0.100	-	-	mg/kg
	sec-Butylbenzene	ND	0.100	-	-	mg/kg
	Styrene	ND	0.100	-	-	mg/kg
	tert-Butylbenzene	ND	0.100	-	-	mg/kg
	Tetrachloroethene	ND	0.100	-	-	mg/kg
	Toluene	0.473 J	0.100	-	-	mg/kg
	trans-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	trans-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Trichloroethene	ND	0.100	-	-	mg/kg
	Trichlorofluoromethane	ND	0.100	-	-	mg/kg
	Vinyl chloride	ND	0.100	-	-	mg/kg
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.330	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.330	-	-	mg/kg
	2,4-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2,6-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2-Chloronaphthalene	ND	0.330	-	-	mg/kg
	2-Methylnaphthalene	ND	0.330	0.47	0.56	mg/kg
	3,3´-Dichlorobenzidine	ND	5.00	-	-	mg/kg
	4-Bromophenyl phenyl ether	ND	0.330	-	-	mg/kg
	4-Chloroaniline	ND	0.500	-	-	mg/kg
	4-Chlorophenyl phenyl ether	ND	0.330	-	-	mg/kg
	Acenaphthene	ND	0.330	1.06	1.32	mg/kg
	Acenaphthylene	ND	0.330	0.47	0.64	mg/kg
	Anthracene	ND	0.330	1.2	1.58	mg/kg
	Benzo (a) anthracene	ND	0.330	4.26	5.8	mg/kg
	Benzo (a) pyrene	ND	0.330	3.3	4.81	mg/kg
	Benzo (b) fluoranthene	ND	0.330	11	14	mg/kg
	Benzo (ghi) perylene	ND	0.330	4.02	5.2	mg/kg
	Benzo (k) fluoranthene	ND	0.330	11	14	mg/kg
	Benzyl alcohol	ND	0.330	-	-	mg/kg
	Bis(2-chloroethoxy)methane	ND	0.330	-	-	mg/kg
	Bis(2-chloroethyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-chloroisopropyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-ethylhexyl)phthalate	ND	0.330	0.23	0.32	mg/kg
	Butyl benzyl phthalate	ND	0.330	0.26	0.37	mg/kg
	Carbazole	ND	0.330	-	-	mg/kg
	Chrysene	ND	0.330	5.94	6.4	mg/kg
	Dibenz (a,h) anthracene	ND	0.330	0.8	0.84	mg/kg
	Dibenzofuran	ND	0.330	0.4	0.44	mg/kg
	Diethyl phthalate	ND	0.330	-	-	mg/kg
	Dimethyl phthalate	ND	0.330	0.046	0.44	mg/kg
	Di-n-butyl phthalate	ND	0.330	-	-	mg/kg
	Di-n-octyl phthalate	ND	0.330	0.026	0.045	mg/kg
	Fluoranthene	ND	0.330	11	15	mg/kg
	Fluorene	ND	0.330	1	3	mg/kg
	Hexachlorobenzene	ND	0.330	-	-	mg/kg
	Hexachlorobutadiene	ND	0.330	-	-	mg/kg
	Hexachlorocyclopentadiene	ND	0.500	-	-	mg/kg
	Hexachloroethane	ND	0.330	-	-	mg/kg
	Indeno (1,2,3-cd) pyrene	ND	0.330	4.12	5.3	mg/kg
	Isophorone	ND	0.330	-	-	mg/kg

(continued)
Table 21 - Analytical Results for Sediment Sample SHIP-SD-05A (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 5
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8270C SVOA Full List	Naphthalene	ND	0.330	0.5	1.31	mg/kg
	Nitrobenzene	ND	0.330	-	-	mg/kg
	Phenanthrene	ND	0.330	6.1	7.6	mg/kg
	Pyrene	ND	0.330	8.8	16	mg/kg
AK101 (GRO)	Gasoline Range Organics	ND	0.952	-	-	mg/kg
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	25.0	-	-	mg/kg
	Residual Range Organics	79.2	50.0	-	-	mg/kg
Al Total ICPMS 6020	Aluminum	19200	833	-	-	mg/kg
As Total ICPMS 6020	Arsenic	6.03	0.556	20	51	mg/kg
Ba Total ICPMS 6020	Barium	88.5	5.56	-	-	mg/kg
Ca Total ICPMS 6020	Calcium	8120	167	-	-	mg/kg
Cd Total ICPMS 6020	Cadmium	ND	0.556	0.6	1	mg/kg
Co Total ICPMS 6020	Cobalt	12.1	0.556	-	-	mg/kg
Cr Total ICPMS 6020	Chromium	37.6	0.556	-	-	mg/kg
Cu Total ICPMS 6020	Copper	29.2	0.556	80	830	mg/kg
Fe Total ICPMS 6020	Iron	32000	833	-	-	mg/kg
Hg Total 7470/7471	Mercury	ND	0.100	0.5	0.75	mg/kg
K Total ICPMS 6020	Potassium	ND	1670	-	-	mg/kg
Mg Total ICPMS 6020	Magnesium	8850	167	-	-	mg/kg
Mn Total ICPMS 6020	Manganese	623	27.8	-	-	mg/kg
Na Total ICPMS 6020	Sodium	361	167	-	-	mg/kg
Ni Total ICPMS 6020	Nickel	36.1	0.556	-	-	mg/kg
Pb Total ICPMS 6020	Lead	7.10	0.556	-	-	mg/kg
Sb Total ICPMS 6020	Antimony	ND	1.67	-	-	mg/kg
Se Total ICPMS 6020	Selenium	ND	0.556	-	-	mg/kg
V Total ICPMS 6020	Vanadium	60.9	0.556	-	-	mg/kg
Zn Total ICPMS 6020	Zinc	75.0	5.56	140	160	mg/kg

Notes:
* The SQS and CSL listed are for total PCBs.
Sediment benchmarks and background data are not available for all analytes.
CSL - Contaminant Screening Level.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
J - Estimated value.
mg/kg - milligrams per kilogram.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SQS - Sediment Quality Standard.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Table 22 - Analytical Results For Sediment Sample SHIP-SD-05B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 5
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8082 PCB Only	Aroclor 1016	ND	0.025	0.060*	0.12*	mg/kg
	Aroclor 1221	ND	0.05	.060*	0.12*	mg/kg
	Aroclor 1232	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1242	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1248	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1254	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1260	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1262	ND	0.025	.060*	0.12*	mg/kg
	Aroclor 1268	ND	0.025	.060*	0.12*	mg/kg
8260B VOA Full List	1,1,1,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,1-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1,2,2-Tetrachloroethane	ND	0.100	-	-	mg/kg
	1,1,2-Trichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethane	ND	0.100	-	-	mg/kg
	1,1-Dichloroethene	ND	0.100	-	-	mg/kg
	1,1-Dichloropropene	ND	0.100	-	-	mg/kg
	1,2,3-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,3-Trichloropropane	ND	0.100	-	-	mg/kg
	1,2,4-Trichlorobenzene	ND	0.100	-	-	mg/kg
	1,2,4-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,2-Dibromo-3-chloropropane	ND	0.500	-	-	mg/kg
	1,2-Dibromoethane	ND	0.100	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,2-Dichloroethane	ND	0.100	-	-	mg/kg
	1,2-Dichloropropane	ND	0.100	-	-	mg/kg
	1,3,5-Trimethylbenzene	ND	0.100	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.100	-	-	mg/kg
	1,3-Dichloropropane	ND	0.100	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.100	-	-	mg/kg
	2,2-Dichloropropane	ND	0.100	-	-	mg/kg
	2-Butanone	ND	1.00	-	-	mg/kg
	2-Chlorotoluene	ND	0.100	-	-	mg/kg
	2-Hexanone	ND	1.00	-	-	mg/kg
	4-Chlorotoluene	ND	0.100	-	-	mg/kg
	4-Methyl-2-pentanone	ND	1.00	-	-	mg/kg
	Acetone	ND	1.00	-	-	mg/kg
	Benzene	ND	0.100	-	-	mg/kg
	Bromobenzene	ND	0.100	-	-	mg/kg
	Bromochloromethane	ND	0.100	-	-	mg/kg
	Bromodichloromethane	ND	0.100	-	-	mg/kg
	Bromoform	ND	0.100	-	-	mg/kg
	Bromomethane	ND	0.100	-	-	mg/kg
	Carbon disulfide	ND	0.100	-	-	mg/kg
	Carbon tetrachloride	ND	0.100	-	-	mg/kg
	Chlorobenzene	ND	0.100	-	-	mg/kg
	Chloroethane	ND	0.100	-	-	mg/kg
	Chloroform	ND	0.100	-	-	mg/kg
	Chloromethane	ND	0.500	-	-	mg/kg
	cis-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	cis-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Dibromochloromethane	ND	0.100	-	-	mg/kg
	Dibromomethane	ND	0.100	-	-	mg/kg
	Dichlorodifluoromethane	ND	0.100	-	-	mg/kg
	Ethylbenzene	ND	0.100	-	-	mg/kg
	Hexachlorobutadiene	ND	0.100	-	-	mg/kg
	Isopropylbenzene	ND	0.100	-	-	mg/kg
	m,p-Xylene	ND	0.200	-	-	mg/kg
	Methylene chloride	ND	1.00	-	-	mg/kg

(continued)
Table 22 - Analytical Results For Sediment Sample SHIP-SD-05B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 5
Anchorage, Alaska

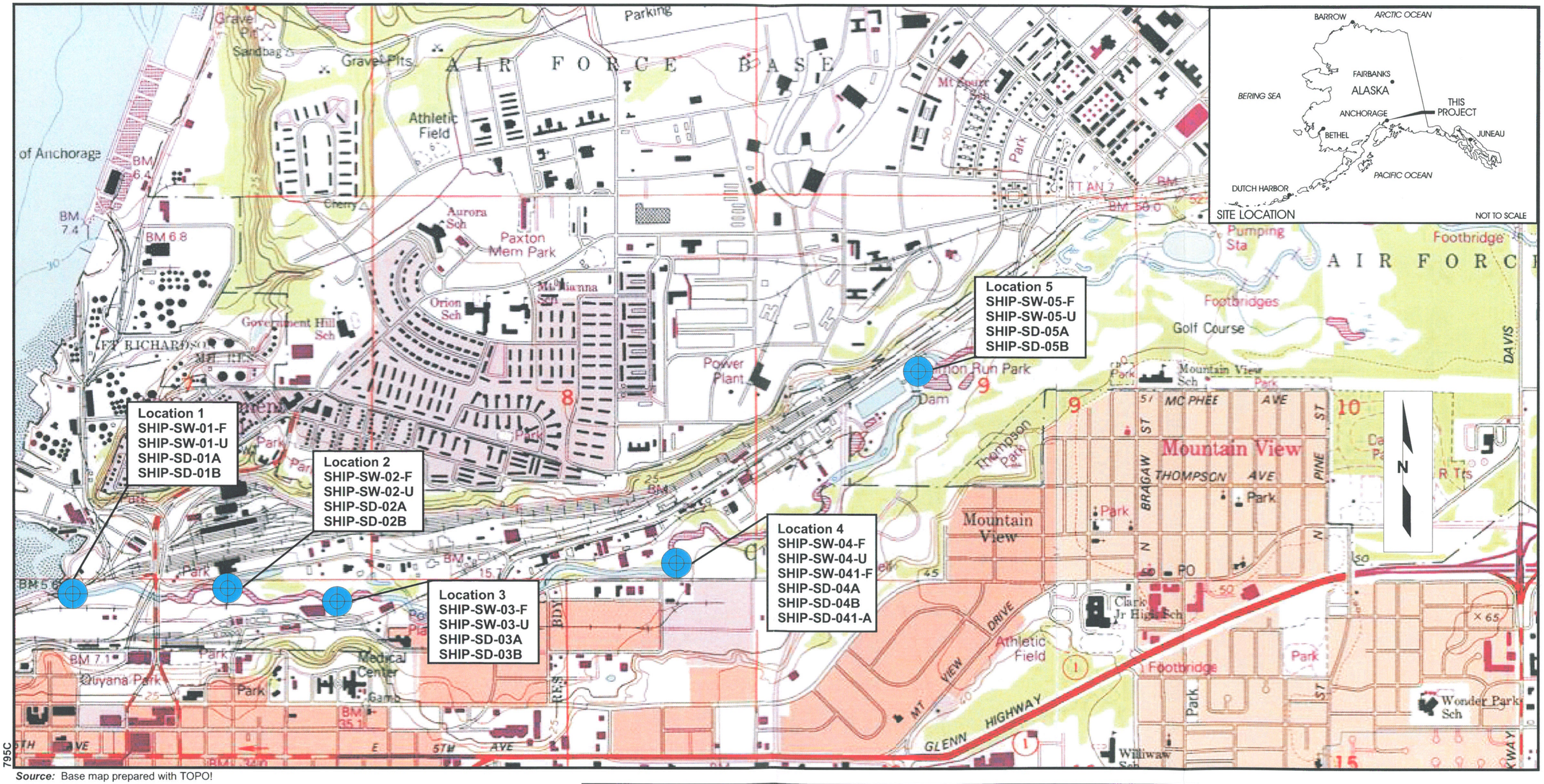
ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8260B VOA Full List	Naphthalene	ND	0.100	0.5	1.31	mg/kg
	n-Butylbenzene	ND	0.100	-	-	mg/kg
	n-Propylbenzene	ND	0.100	-	-	mg/kg
	o-Xylene	ND	0.100	-	-	mg/kg
	p-Isopropyltoluene	ND	0.100	-	-	mg/kg
	sec-Butylbenzene	ND	0.100	-	-	mg/kg
	Styrene	ND	0.100	-	-	mg/kg
	tert-Butylbenzene	ND	0.100	-	-	mg/kg
	Tetrachloroethene	ND	0.100	-	-	mg/kg
	Toluene	0.137 J	0.100	-	-	mg/kg
	trans-1,2-Dichloroethene	ND	0.100	-	-	mg/kg
	trans-1,3-Dichloropropene	ND	0.100	-	-	mg/kg
	Trichloroethene	ND	0.100	-	-	mg/kg
	Trichlorofluoromethane	ND	0.100	-	-	mg/kg
	Vinyl chloride	ND	0.100	-	-	mg/kg
8270C SVOA Full List	1,2,4-Trichlorobenzene	ND	0.330	-	-	mg/kg
	1,2-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,3-Dichlorobenzene	ND	0.330	-	-	mg/kg
	1,4-Dichlorobenzene	ND	0.330	-	-	mg/kg
	2,4-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2,6-Dinitrotoluene	ND	0.500	-	-	mg/kg
	2-Chloronaphthalene	ND	0.330	-	-	mg/kg
	2-Methylnaphthalene	ND	0.330	0.47	0.56	mg/kg
	3,3'-Dichlorobenzidine	ND	5.00	-	-	mg/kg
	4-Bromophenyl phenyl ether	ND	0.330	-	-	mg/kg
	4-Chloroaniline	ND	0.500	-	-	mg/kg
	4-Chlorophenyl phenyl ether	ND	0.330	-	-	mg/kg
	Acenaphthene	ND	0.330	1.06	1.32	mg/kg
	Acenaphthylene	ND	0.330	0.47	0.64	mg/kg
	Anthracene	ND	0.330	1.2	1.58	mg/kg
	Benzo (a) anthracene	ND	0.330	4.26	5.8	mg/kg
	Benzo (a) pyrene	ND	0.330	3.3	4.81	mg/kg
	Benzo (b) fluoranthene	ND	0.330	11	14	mg/kg
	Benzo (ghi) perylene	ND	0.330	4.02	5.2	mg/kg
	Benzo (k) fluoranthene	ND	0.330	11	14	mg/kg
	Benzyl alcohol	ND	0.330	-	-	mg/kg
	Bis(2-chloroethoxy)methane	ND	0.330	-	-	mg/kg
	Bis(2-chloroethyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-chloroisopropyl)ether	ND	0.330	-	-	mg/kg
	Bis(2-ethylhexyl)phthalate	ND	0.330	0.23	0.32	mg/kg
	Butyl benzyl phthalate	ND	0.330	0.26	0.37	mg/kg
	Carbazole	ND	0.330	-	-	mg/kg
	Chrysene	ND	0.330	5.94	6.4	mg/kg
	Dibenz (a,h) anthracene	ND	0.330	0.8	0.84	mg/kg
	Dibenzofuran	ND	0.330	0.4	0.44	mg/kg
	Diethyl phthalate	ND	0.330	-	-	mg/kg
	Dimethyl phthalate	ND	0.330	0.046	0.44	mg/kg
	Di-n-butyl phthalate	ND	0.330	-	-	mg/kg
	Di-n-octyl phthalate	ND	0.330	0.026	0.045	mg/kg
	Fluoranthene	ND	0.330	11	15	mg/kg
	Fluorene	ND	0.330	1	3	mg/kg
	Hexachlorobenzene	ND	0.330	-	-	mg/kg
	Hexachlorobutadiene	ND	0.330	-	-	mg/kg
	Hexachlorocyclopentadiene	ND	0.500	-	-	mg/kg
	Hexachloroethane	ND	0.330	-	-	mg/kg
	Indeno (1,2,3-cd) pyrene	ND	0.330	4.12	5.3	mg/kg
	Isophorone	ND	0.330	-	-	mg/kg

(continued)
Table 22 - Analytical Results For Sediment Sample SHIP-SD-05B (Collected 3/18/2004)
Ship Creek Stream Sampling, Location 5
Anchorage, Alaska

ANALYTICAL METHOD	ANALYTE	RESULT	REPORTING LIMIT	SQS	CSL	UNITS
8270C SVOA Full List	Naphthalene	ND	0.330	0.5	1.31	mg/kg
	Nitrobenzene	ND	0.330	-	-	mg/kg
	Phenanthrene	ND	0.330	6.1	7.6	mg/kg
	Pyrene	ND	0.330	8.8	16	mg/kg
AK101 (GRO)	Gasoline Range Organics	ND	0.945	-	-	mg/kg
AK102/103 (DRO/RRO)	Diesel Range Organics	ND	25.0	-	-	mg/kg
	Residual Range Organics	52.4	50.0	-	-	mg/kg
Al Total ICPMS 6020	Aluminum	17100	750	-	-	mg/kg
As Total ICPMS 6020	Arsenic	5.21	0.500	20	51	mg/kg
Ba Total ICPMS 6020	Barium	82.8	5.00	-	-	mg/kg
Ca Total ICPMS 6020	Calcium	7450	150	-	-	mg/kg
Cd Total ICPMS 6020	Cadmium	ND	0.500	0.6	1	mg/kg
Co Total ICPMS 6020	Cobalt	10.9	0.500	-	-	mg/kg
Cr Total ICPMS 6020	Chromium	34.5	0.500	-	-	mg/kg
Cu Total ICPMS 6020	Copper	25.4	0.500	80	830	mg/kg
Fe Total ICPMS 6020	Iron	28500	750	-	-	mg/kg
Hg Total 7470/7471	Mercury	ND	0.100	0.5	0.75	mg/kg
K Total ICPMS 6020	Potassium	ND	1460	-	-	mg/kg
Mg Total ICPMS 6020	Magnesium	8340	150	-	-	mg/kg
Mn Total ICPMS 6020	Manganese	568	25.0	-	-	mg/kg
Na Total ICPMS 6020	Sodium	331	150	-	-	mg/kg
Ni Total ICPMS 6020	Nickel	32.6	0.500	-	-	mg/kg
Pb Total ICPMS 6020	Lead	5.98	0.500	-	-	mg/kg
Sb Total ICPMS 6020	Antimony	ND	1.50	-	-	mg/kg
Se Total ICPMS 6020	Selenium	ND	0.500	-	-	mg/kg
V Total ICPMS 6020	Vanadium	54.8	0.500	-	-	mg/kg
Zn Total ICPMS 6020	Zinc	65.7	5.00	140	160	mg/kg

Notes:
* The SQS and CSL listed are for total PCBs.
Sediment benchmarks and background data are not available for all analytes.
CSL - Contaminant Screening Level.
DRO - Diesel-range organics.
GRO - Gasoline-range organics.
J - Estimated value.
mg/kg - milligrams per kilogram.
ND - Not detected at the reporting limit shown.
PCB - Polychlorinated biphenyl.
RRO - Residual-range organics.
SQS - Sediment Quality Standard.
SVOA - Semi-volatile organic analyte.
VOA - Volatile organic analyte.

Ship Creek Sample Locations
Ship Creek Surface Water and Sediment Assessment Report
Anchorage, Alaska



795C

Source: Base map prepared with TOPO!

0 .5 1
APPROXIMATE SCALE IN MILES

LEGEND

Sample Location and Number

SHIP-SW-01-F = Filtered Surface Water Sample
SHIP-SW-01-U = Unfiltered Surface Water Sample
SHIP-SD-01A = Sediment Sample

HARTCROWSER
8872 *5/04*
Figure 1

Appendix A

APPENDIX A
LABORATORY DATA REPORTS

RECEIVED
MAY 12 2004
HART CROWSER INC.

CASE NARRATIVE for B4C0601

Amended - 10 May 2004

Client: North Creek Analytical - Alaska
Project Manager: Mike Priebe
Project Name: Mike Priebe
Project Number: A4C0008

1.0 DESCRIPTION OF CASE

Twenty two (22) samples were submitted for analysis of Total Metals by EPA 6000/7000 Series Methods, Polychlorinated Biphenyls by EPA Method 8082, Volatile Organic Compounds by EPA Method 8260B, and Semivolatile Organic Compounds by EPA Method 8270C.

2.0 COMMENTS ON SAMPLE RECEIPT

The samples were received on March 20, 2004. The samples were received at a temperature of 5.5 degrees C.

3.0 PREPARATION AND ANALYSIS

Total Metals by EPA 6000/7000 Series Methods

There were no anomalies associated with sample preparation or analysis, other than those already qualified in the data, with the exception of the following:

Mercury by EPA 7471A

- Upon the request of the client, NCA-Bothell reviewed the results reported for mercury in samples A4C0008-16 and A4C0008-18. These samples are field duplicates. On review of the raw data, the laboratory did not find any data quality indicators that would suggest an error in the reported values. However, the chemist performing the review did re-prepare and re-analyze a second aliquot of each sample as a precautionary measure. The subsequent re-analysis does suggest a possible error in the original result for sample A4C0008-18. The results for the re-analyzed samples are both ND at a reporting limit of 0.100mg/kg. The samples were re-analyzed outside of hold time for Mercury by approximately three weeks. Both sets of results are included in the amended report.

All Quality Control measures were within control limits unless otherwise noted in the data.

(continued on page 2)

(Continued from page 1)

Polychlorinated Biphenyls by EPA Method 8082

There were no anomalies associated with sample preparation or analysis, other than those already qualified in the data.

All Quality Control measures were within control limits unless otherwise noted in the data.

Volatile Organic Compounds by EPA Method 8260B

There were no anomalies associated with sample preparation or analysis, other than those already qualified in the data, with the exception of the following:

- Upon the request of the client, NCA-Bothell reviewed the results reported for toluene in samples A4C0008-21 and A4C0008-22. On review of the raw data, the laboratory did find an error in the results for sample A4C0008-21. The original result for toluene was ND at 0.100mg/kg. The revised value is 0.473mg/kg. This result, as well as those for two other samples, is affected by the following anomaly.

- Responses of the Internal Standards were below the Lower Control Limit of -50% on samples A4C0008-03, -21 and –22. These responses ranged from 30% to 49% of the expected value. Due to hold time constraints, the samples could not be re-analyzed in time with passing Internal Standard QC results. The surrogates quantitated against the same internal standards are within their respective quality control limits.

All Quality Control measures were within control limits unless otherwise noted in the data.

Semi-volatile Organic Compounds by EPA Method 8270C

All Quality Control measures were within control limits unless otherwise noted in the data.

- Upon the request of the client, NCA-Bothell reviewed the results reported for 2,4-dinitrotoluene in sample AC40008-15. On review of the raw data, the laboratory discovered an erroneous result for 2,4-dinitrotoluene. The report has been revised to reflect the discovery and the result expressed as ND at a reporting limit of 10ug/L.

Brad Meadows
Laboratory Director
North Creek Analytical - Seattle

8872

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RECEIVED
MAY 12 2004
HART CROWSER INC.

11 May 2004

Frank Marley
Hart Crowser, Inc.
2550 Denali Street, Suite 705
Anchorage, AK/USA 99503
RE: Ship Creek

Enclosed are the results of analyses for samples received by the laboratory on 03/19/04 08:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Priebe
Technical Services Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

www.ncalabs.com

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SHIP-SW-01-F	A4C0008-01	Water	03/18/04 12:00	03/19/04 08:40
SHIP-SW-01-U	A4C0008-02	Water	03/18/04 12:20	03/19/04 08:40
SHIP-SD-01A	A4C0008-03	Soil	03/18/04 12:40	03/19/04 08:40
SHIP-SD-01B	A4C0008-04	Soil	03/18/04 12:45	03/19/04 08:40
SHIP-SW-02-F	A4C0008-05	Water	03/18/04 13:40	03/19/04 08:40
SHIP-SW-02-U	A4C0008-06	Water	03/18/04 13:50	03/19/04 08:40
SHIP-SD-02A	A4C0008-07	Soil	03/18/04 14:00	03/19/04 08:40
SHIP-SD-02B	A4C0008-08	Soil	03/18/04 14:05	03/19/04 08:40
SHIP-SW-03-F	A4C0008-09	Water	03/18/04 14:40	03/19/04 08:40
SHIP-SW-03-U	A4C0008-10	Water	03/18/04 14:50	03/19/04 08:40
SHIP-SD-03A	A4C0008-11	Soil	03/18/04 15:00	03/19/04 08:40
SHIP-SD-03B	A4C0008-12	Soil	03/18/04 15:05	03/19/04 08:40
SHIP-SW-04-F	A4C0008-13	Water	03/18/04 15:20	03/19/04 08:40
SHIP-SW-041-F	A4C0008-14	Water	03/18/04 15:25	03/19/04 08:40
SHIP-SW-04-U	A4C0008-15	Water	03/18/04 15:30	03/19/04 08:40
SHIP-SD-04A	A4C0008-16	Soil	03/18/04 15:40	03/19/04 08:40
SHIP-SD-041-A	A4C0008-17	Soil	03/18/04 15:45	03/19/04 08:40
SHIP-SD-04B	A4C0008-18	Soil	03/18/04 15:50	03/19/04 08:40
SHIP-SW-05-F	A4C0008-19	Water	03/18/04 16:40	03/19/04 08:40
SHIP-SW-05-U	A4C0008-20	Water	03/18/04 16:50	03/19/04 08:40
SHIP-SD-05A	A4C0008-21	Soil	03/18/04 16:55	03/19/04 08:40
SHIP-SD-05B	A4C0008-22	Soil	03/18/04 17:00	03/19/04 08:40
Lab Filter Blanks	A4C0008-23	Water	03/18/04 00:00	03/19/04 08:40

PAGE 1 of 2

Sample Custody Record

A4C0008

HARTCROWSER

Hart Crowser, Inc.
2550 Denali Street, Ste.705
Anchorage, AK 99503
P Ph.907.276.7475 Fx.907.276.2104

Samples Shipped to:

JOB 8872 LAB NUMBER

PROJECT NAME Ship Creek

HART CROWSER CONTACT Frank Marley

SAMPLED BY: FCM/SMC

REQUESTED ANALYSIS

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	EPA SW 8260B	EPA SW 8270C	AK101	AK102/AK103	EPA 8020	SW6010B-RCP **	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
	SHIP-SW-01-F		3/18/04	1200	W		X		X	X	X	13	Filter
	SHIP-SW-01-U			1220	W	X	X	X	X	X	X	13	
	SHIP-SD-01A			1240	SED	X	X	X	X	X	X	6	
	SHIP-SD 01B			1245	SED	X	X	X	X	X	X	6	
	SHIP-SW 02-F			1340	W		X		X	X	X	13	Filter
	SHIP-SW 02-U			1350	W	X	X	X	X	X	X	13	
	SHIP-SD 02A			1400	Sed	X	X	X	X	X	X	4	
	SHIP-SD 02B			1405	Sed	X	X	X	X	X	X	4	
	SHIP-SW 03-F			1440	W		X		X	X	X	13	FILTER
	SHIP-SW 03-U			1450	W	X	X	X	X	X	X	13	
	SHIP-SD 03A			1500	Sed	X	X	X	X	X	X	4	
	SHIP-SD 03B			1505	Sed	X	X	X	X	X	X	4	

106 TOTAL NUMBER OF CONTAINERS

RELINQUISHED BY	DATE	RECEIVED BY	DATE
Vanna Miller	3 19 04	F M Hignett	3/19/04
SIGNATURE	TIME	SIGNATURE	TIME
Vanna Miller	8:40 Am	[signature]	8:40
PRINT NAME		PRINT NAME	
Hart Crowser			
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

** See attached metals list

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION: ☐YES ☐NO
TEMPERATURE
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. for Other Contract Requirements

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐ 48 HOURS ☐ STANDARD
☐ 72 HOURS OTHER

White and Yellow Copies to Lab Pink to Project Manager Lab to Return White Copy to Hart Crowser Gold to Sample Custodian

Page 2 of 2

Sample Custody Record

Samples Shipped to: _____

A4C0008

HARTCROWSER

Hart Crowser, Inc.
2550 Denali Street, Ste.705
Anchorage, AK 99503
Ph.907.276.7475 Fx.907.276.2104

JOB 8872 LAB NUMBER _____

PROJECT NAME SHIPCREEK SAMPLING

HART CROWSER CONTACT FRANK MARLEY

SAMPLED BY: FCM/SMC

REQUESTED ANALYSIS

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	EPA SW 8260B	EPA SW 8270C	AK 101	AK102/AK103	EPA 8020	SW 6010B-ICP	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
	SHIP-SW-04-F		3/18/04	1520	W		X		X	X	X	13	FILTER by lab
	SHIP-SW-041-F		3/18/04	1525	W	X	X	X	X			13	UNFILTERED
	SHIP-SW-04-U		3/18/04	1530	W	X	X	X	X	X	X	13	UNFILTERED
	SHIP-SD-04A		3/18/04	1540	SED	X	X	X	X	X	X	4	
	SHIP-SD-041-A		3/18/04	1545	SED	X	X	X	X			4	
	SHIP-SD-04-B		3/18/04	1550	SED	X	X	X	X	X	X	4	
	~~SHIP-SD 041B~~		~~3/18/04~~	~~1555~~	~~SED~~							~~4~~	Gnd
	SHIP-SW-05-F		3/18/04	1640	W		X		X	X	X	13	FILTER~~ED~~ by lab
	SHIP-SN-05-U		3/18/04	1650	W	X	X	X	X	X	X	13	
	SHIP-SD-05-A		3/18/04	1655	SED	X	X	X	X	X	X	4	
	SHIP-SD-05B		3/18/04	1700	SED	X	X	X	X	X	X	4	

Gnd

~~29~~ 85 TOTAL NUMBER OF CONTAINERS

RELINQUISHED BY	DATE	RECEIVED BY	DATE
[signature]	3 19 04	[signature]	3/19/04
SIGNATURE	TIME	SIGNATURE	TIME
Tamra Miller		[signature]	
PRINT NAME		PRINT NAME	
Hart Crowser	8 40 Am	HCA	8 40
COMPANY		COMPANY	

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

Total # of containers = ~~195~~ 191 [illegible]

** see attached metals list

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE _____
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐ 48 HOURS ☐ STANDARD
☐ 72 HOURS OTHER _____

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Gasoline Range Organics (C6-C10) per AK101

North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-01-U (A4C0008-02) Water Sampled: 03/18/04 12:20 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	50.0	ug/l	1	4C22002	03/22/04	03/22/04	AK101 GRO	
Surrogate: a,a,a-TFT (FID)	*97.0 %*	*50-150*			"	"	"	"	
SHIP-SD-01A (A4C0008-03) Soil Sampled: 03/18/04 12:40 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	1.45	mg/kg dry	40	4C22003	03/22/04	03/22/04	AK101 GRO	
Surrogate: 4-BFB (FID)	*80.9 %*	*60-120*			"	"	"	"	
Surrogate: a,a,a-TFT (FID)	*45.9 %*	*50-150*			"	"	"	"	*G-06*
SHIP-SD-01B (A4C0008-04) Soil Sampled: 03/18/04 12:45 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	1.58	mg/kg dry	40	4C22003	03/22/04	03/22/04	AK101 GRO	
Surrogate: 4-BFB (FID)	*80.8 %*	*60-120*			"	"	"	"	
Surrogate: a,a,a-TFT (FID)	*47.3 %*	*50-150*			"	"	"	"	*G-06*
SHIP-SW-02-U (A4C0008-06) Water Sampled: 03/18/04 13:50 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	50.0	ug/l	1	4C22002	03/22/04	03/22/04	AK101 GRO	
Surrogate: a,a,a-TFT (FID)	*99.0 %*	*50-150*			"	"	"	"	
SHIP-SD-02A (A4C0008-07) Soil Sampled: 03/18/04 14:00 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	1.63	mg/kg dry	40	4C22003	03/22/04	03/22/04	AK101 GRO	
Surrogate: 4-BFB (FID)	*92.6 %*	*60-120*			"	"	"	"	
Surrogate: a,a,a-TFT (FID)	*45.1 %*	*50-150*			"	"	"	"	*G-06*
SHIP-SD-02B (A4C0008-08) Soil Sampled: 03/18/04 14:05 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	1.54	mg/kg dry	40	4C22003	03/22/04	03/22/04	AK101 GRO	
Surrogate: 4-BFB (FID)	*86.2 %*	*60-120*			"	"	"	"	
Surrogate: a,a,a-TFT (FID)	*43.4 %*	*50-150*			"	"	"	"	*G-06*

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Gasoline Range Organics (C6-C10) per AK101
North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-03-U (A4C0008-10) Water Sampled: 03/18/04 14:50 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	50.0	ug/l	1	4C22002	03/22/04	03/22/04	AK101 GRO	
Surrogate: a,a,a-TFT (FID)	*99.0 %*	*50-150*			"	"	"	"	
SHIP-SD-03A (A4C0008-11) Soil Sampled: 03/18/04 15:00 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	1.53	mg/kg dry	40	4C22003	03/22/04	03/22/04	AK101 GRO	
Surrogate: 4-BFB (FID)	*78.7 %*	*60-120*			"	"	"	"	
Surrogate: a,a,a-TFT (FID)	*32.3 %*	*50-150*			"	"	"	"	*G-06*
SHIP-SD-03B (A4C0008-12) Soil Sampled: 03/18/04 15:05 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	0.868	mg/kg dry	40	4C22003	03/22/04	03/22/04	AK101 GRO	
Surrogate: 4-BFB (FID)	*96.3 %*	*60-120*			"	"	"	"	
Surrogate: a,a,a-TFT (FID)	*37.2 %*	*50-150*			"	"	"	"	*G-06*
SHIP-SW-041-F (A4C0008-14) Water Sampled: 03/18/04 15:25 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	50.0	ug/l	1	4C22002	03/22/04	03/22/04	AK101 GRO	
Surrogate: a,a,a-TFT (FID)	*98.8 %*	*50-150*			"	"	"	"	
SHIP-SW-04-U (A4C0008-15) Water Sampled: 03/18/04 15:30 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	50.0	ug/l	1	4C22002	03/22/04	03/22/04	AK101 GRO	
Surrogate: a,a,a-TFT (FID)	*99.0 %*	*50-150*			"	"	"	"	
SHIP-SD-04A (A4C0008-16) Soil Sampled: 03/18/04 15:40 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	0.836	mg/kg dry	40	4C22003	03/22/04	03/22/04	AK101 GRO	
Surrogate: 4-BFB (FID)	*89.9 %*	*60-120*			"	"	"	"	
Surrogate: a,a,a-TFT (FID)	*29.2 %*	*50-150*			"	"	"	"	*G-06*

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Gasoline Range Organics (C6-C10) per AK101

North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-041-A (A4C0008-17) Soil Sampled: 03/18/04 15:45 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	1.01	mg/kg dry	40	4C22003	03/22/04	03/22/04	AK101 GRO	
Surrogate: 4-BFB (FID)	*90.1 %*	*60-120*			"	"	"	"	
Surrogate: a,a,a-TFT (FID)	*20.6 %*	*50-150*			"	"	"	"	*G-06*
SHIP-SD-04B (A4C0008-18) Soil Sampled: 03/18/04 15:50 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	1.08	mg/kg dry	40	4C22003	03/22/04	03/22/04	AK101 GRO	
Surrogate: 4-BFB (FID)	*87.9 %*	*60-120*			"	"	"	"	
Surrogate: a,a,a-TFT (FID)	*48.4 %*	*50-150*			"	"	"	"	*G-06*
SHIP-SW-05-U (A4C0008-20) Water Sampled: 03/18/04 16:50 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	50.0	ug/l	1	4C22002	03/22/04	03/22/04	AK101 GRO	
Surrogate: a,a,a-TFT (FID)	*98.0 %*	*50-150*			"	"	"	"	
SHIP-SD-05A (A4C0008-21) Soil Sampled: 03/18/04 16:55 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	0.952	mg/kg dry	40	4C23002	03/23/04	03/23/04	AK101 GRO	
Surrogate: 4-BFB (FID)	*81.1 %*	*60-120*			"	"	"	"	
Surrogate: a,a,a-TFT (FID)	*30.0 %*	*50-150*			"	"	"	"	*G-06*
SHIP-SD-05B (A4C0008-22) Soil Sampled: 03/18/04 17:00 Received: 03/19/04 08:40									
Gasoline Range Organics	ND	0.945	mg/kg dry	40	4C23002	03/23/04	03/23/04	AK101 GRO	
Surrogate: 4-BFB (FID)	*78.0 %*	*60-120*			"	"	"	"	
Surrogate: a,a,a-TFT (FID)	*24.9 %*	*50-150*			"	"	"	"	*G-06*

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/RRO
North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-01-F (A4C0008-01) Water Sampled: 03/18/04 12:00 Received: 03/19/04 08:40									
Diesel Range Organics	ND	0.370	mg/l	1	4C25001	03/25/04	03/26/04	AK102/103	
Residual Range Organics	ND	0.370	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*72.7 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*80.7 %*	*50-150*			"	"	"	"	
SHIP-SW-01-U (A4C0008-02) Water Sampled: 03/18/04 12:20 Received: 03/19/04 08:40									
Diesel Range Organics	ND	0.370	mg/l	1	4C25001	03/25/04	03/26/04	AK102/103	
Residual Range Organics	ND	0.370	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*84.3 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*91.4 %*	*50-150*			"	"	"	"	
SHIP-SD-01A (A4C0008-03) Soil Sampled: 03/18/04 12:40 Received: 03/19/04 08:40									
Diesel Range Organics	ND	25.0	mg/kg dry	1	4C24001	03/24/04	03/25/04	AK102/103	
Residual Range Organics	ND	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*83.8 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*81.0 %*	*50-150*			"	"	"	"	
SHIP-SD-01B (A4C0008-04) Soil Sampled: 03/18/04 12:45 Received: 03/19/04 08:40									
Diesel Range Organics	ND	22.2	mg/kg dry	1	4C24001	03/24/04	03/25/04	AK102/103	
Residual Range Organics	ND	44.4	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*83.2 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*80.6 %*	*50-150*			"	"	"	"	
SHIP-SW-02-F (A4C0008-05) Water Sampled: 03/18/04 13:40 Received: 03/19/04 08:40									
Diesel Range Organics	ND	0.370	mg/l	1	4C25001	03/25/04	03/26/04	AK102/103	
Residual Range Organics	ND	0.370	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*89.1 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*100 %*	*50-150*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/RRO

North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-02-U (A4C0008-06) Water Sampled: 03/18/04 13:50 Received: 03/19/04 08:40									
Diesel Range Organics	ND	0.370	mg/l	1	4C25001	03/25/04	03/26/04	AK102/103	
Residual Range Organics	ND	0.370	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*98.8 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*115 %*	*50-150*			"	"	"	"	
SHIP-SD-02A (A4C0008-07) Soil Sampled: 03/18/04 14:00 Received: 03/19/04 08:40									
Diesel Range Organics	ND	25.0	mg/kg dry	1	4C24001	03/24/04	03/25/04	AK102/103	
Residual Range Organics	ND	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*80.8 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*84.4 %*	*50-150*			"	"	"	"	
SHIP-SD-02B (A4C0008-08) Soil Sampled: 03/18/04 14:05 Received: 03/19/04 08:40									
Diesel Range Organics	ND	25.0	mg/kg dry	1	4C24001	03/24/04	03/25/04	AK102/103	
Residual Range Organics	**75.1**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*82.5 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*91.9 %*	*50-150*			"	"	"	"	
SHIP-SW-03-F (A4C0008-09) Water Sampled: 03/18/04 14:40 Received: 03/19/04 08:40									
Diesel Range Organics	ND	0.370	mg/l	1	4C25001	03/25/04	03/26/04	AK102/103	
Residual Range Organics	ND	0.370	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*107 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*123 %*	*50-150*			"	"	"	"	
SHIP-SW-03-U (A4C0008-10) Water Sampled: 03/18/04 14:50 Received: 03/19/04 08:40									
Diesel Range Organics	ND	0.370	mg/l	1	4C25001	03/25/04	03/26/04	AK102/103	
Residual Range Organics	ND	0.370	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*99.7 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*116 %*	*50-150*			"	"	"	"	

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Mike Priebe, Technical Services Manager

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/RRO

North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-03A (A4C0008-11) Soil Sampled: 03/18/04 15:00 Received: 03/19/04 08:40									
Diesel Range Organics	ND	125	mg/kg dry	5	4C24001	03/24/04	03/25/04	AK102/103	
Residual Range Organics	ND	250	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*91.2 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*98.1 %*	*50-150*			"	"	"	"	
SHIP-SD-03B (A4C0008-12) Soil Sampled: 03/18/04 15:05 Received: 03/19/04 08:40									
Diesel Range Organics	ND	25.0	mg/kg dry	1	4C24001	03/24/04	03/25/04	AK102/103	
Residual Range Organics	ND	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*80.3 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*89.0 %*	*50-150*			"	"	"	"	
SHIP-SW-04-F (A4C0008-13) Water Sampled: 03/18/04 15:20 Received: 03/19/04 08:40									
Diesel Range Organics	ND	0.400	mg/l	1	4C25001	03/25/04	03/26/04	AK102/103	
Residual Range Organics	ND	0.400	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*63.8 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*73.5 %*	*50-150*			"	"	"	"	
SHIP-SW-041-F (A4C0008-14) Water Sampled: 03/18/04 15:25 Received: 03/19/04 08:40									
Diesel Range Organics	ND	0.370	mg/l	1	4C25001	03/25/04	03/26/04	AK102/103	
Residual Range Organics	ND	0.370	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*95.1 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*108 %*	*50-150*			"	"	"	"	
SHIP-SW-04-U (A4C0008-15) Water Sampled: 03/18/04 15:30 Received: 03/19/04 08:40									
Diesel Range Organics	ND	0.400	mg/l	1	4C25001	03/25/04	03/26/04	AK102/103	
Residual Range Organics	ND	0.400	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*77.2 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*89.1 %*	*50-150*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/RRO

North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-04A (A4C0008-16) Soil Sampled: 03/18/04 15:40 Received: 03/19/04 08:40									
Diesel Range Organics	ND	25.0	mg/kg dry	1	4C24001	03/24/04	03/25/04	AK102/103	
Residual Range Organics	ND	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*88.6 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*102 %*	*50-150*			"	"	"	"	
SHIP-SD-041-A (A4C0008-17) Soil Sampled: 03/18/04 15:45 Received: 03/19/04 08:40									
Diesel Range Organics	ND	25.0	mg/kg dry	1	4C24001	03/24/04	03/25/04	AK102/103	
Residual Range Organics	ND	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*89.7 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*102 %*	*50-150*			"	"	"	"	
SHIP-SD-04B (A4C0008-18) Soil Sampled: 03/18/04 15:50 Received: 03/19/04 08:40									
Diesel Range Organics	ND	25.0	mg/kg dry	1	4C24001	03/24/04	03/25/04	AK102/103	
Residual Range Organics	ND	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*81.0 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*90.1 %*	*50-150*			"	"	"	"	
SHIP-SW-05-F (A4C0008-19) Water Sampled: 03/18/04 16:40 Received: 03/19/04 08:40									
Diesel Range Organics	ND	0.400	mg/l	1	4C25001	03/25/04	03/26/04	AK102/103	
Residual Range Organics	ND	0.400	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*74.5 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*85.6 %*	*50-150*			"	"	"	"	
SHIP-SW-05-U (A4C0008-20) Water Sampled: 03/18/04 16:50 Received: 03/19/04 08:40									
Diesel Range Organics	ND	0.400	mg/l	1	4C30003	03/30/04	03/31/04	AK102/103	
Residual Range Organics	ND	0.400	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*91.9 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*86.8 %*	*50-150*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/RRO

North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-05A (A4C0008-21) Soil Sampled: 03/18/04 16:55 Received: 03/19/04 08:40									
Diesel Range Organics	ND	25.0	mg/kg dry	1	4C24001	03/24/04	03/25/04	AK102/103	
Residual Range Organics	**79.2**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*90.9 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*106 %*	*50-150*			"	"	"	"	
SHIP-SD-05B (A4C0008-22) Soil Sampled: 03/18/04 17:00 Received: 03/19/04 08:40									
Diesel Range Organics	ND	25.0	mg/kg dry	1	4C24001	03/24/04	03/25/04	AK102/103	
Residual Range Organics	**52.4**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*91.3 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*107 %*	*50-150*			"	"	"	"	
Lab Filter Blanks (A4C0008-23) Water Sampled: 03/18/04 00:00 Received: 03/19/04 08:40									
Diesel Range Organics	ND	0.417	mg/l	1	4C25001	03/25/04	03/26/04	AK102/103	
Residual Range Organics	ND	0.417	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	*92.4 %*	*50-150*			"	"	"	"	
Surrogate: Triacontane	*110 %*	*50-150*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Physical Parameters by APHA/ASTM/EPA Methods

North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-01A (A4C0008-03) Soil	**Sampled: 03/18/04 12:40**	**Received: 03/19/04 08:40**							
Dry Weight	**56.9**	1.00	%	1	4C23001	03/23/04	03/24/04	BSOPSPL003R07	
SHIP-SD-01B (A4C0008-04) Soil	**Sampled: 03/18/04 12:45**	**Received: 03/19/04 08:40**							
Dry Weight	**57.5**	1.00	%	1	4C23001	03/23/04	03/24/04	BSOPSPL003R07	
SHIP-SD-02A (A4C0008-07) Soil	**Sampled: 03/18/04 14:00**	**Received: 03/19/04 08:40**							
Dry Weight	**58.2**	1.00	%	1	4C23001	03/23/04	03/24/04	BSOPSPL003R07	
SHIP-SD-02B (A4C0008-08) Soil	**Sampled: 03/18/04 14:05**	**Received: 03/19/04 08:40**							
Dry Weight	**63.0**	1.00	%	1	4C23001	03/23/04	03/24/04	BSOPSPL003R07	
SHIP-SD-03A (A4C0008-11) Soil	**Sampled: 03/18/04 15:00**	**Received: 03/19/04 08:40**							
Dry Weight	**60.8**	1.00	%	1	4C23001	03/23/04	03/24/04	BSOPSPL003R07	
SHIP-SD-03B (A4C0008-12) Soil	**Sampled: 03/18/04 15:05**	**Received: 03/19/04 08:40**							
Dry Weight	**80.5**	1.00	%	1	4C23001	03/23/04	03/24/04	BSOPSPL003R07	
SHIP-SD-04A (A4C0008-16) Soil	**Sampled: 03/18/04 15:40**	**Received: 03/19/04 08:40**							
Dry Weight	**70.8**	1.00	%	1	4C23001	03/23/04	03/24/04	BSOPSPL003R07	
SHIP-SD-041-A (A4C0008-17) Soil	**Sampled: 03/18/04 15:45**	**Received: 03/19/04 08:40**							
Dry Weight	**73.4**	1.00	%	1	4C23001	03/23/04	03/24/04	BSOPSPL003R07	
SHIP-SD-04B (A4C0008-18) Soil	**Sampled: 03/18/04 15:50**	**Received: 03/19/04 08:40**							
Dry Weight	**71.0**	1.00	%	1	4C23001	03/23/04	03/24/04	BSOPSPL003R07	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-05A (A4C0008-21) Soil	**Sampled: 03/18/04 16:55**	**Received: 03/19/04 08:40**							
Dry Weight	**60.7**	1.00	%	1	4C23001	03/23/04	03/24/04	BSOPSPL003R07	
SHIP-SD-05B (A4C0008-22) Soil	**Sampled: 03/18/04 17:00**	**Received: 03/19/04 08:40**							
Dry Weight	**70.3**	1.00	%	1	4C23001	03/23/04	03/24/04	BSOPSPL003R07	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-01-F (A4C0008-01) Water Sampled: 03/18/04 12:00 Received: 03/19/04 08:40									**A-01**
Aluminum	ND	0.300	mg/l	1	4C25026	03/25/04	03/29/04	EPA 6020	
Arsenic	ND	0.00100	"	"	"	"	03/29/04	"	
Barium	**0.0104**	0.0100	"	"	"	"	"	"	
Calcium	**42.3**	1.50	"	5	"	"	04/01/04	"	
Cadmium	ND	0.00100	"	1	"	"	03/29/04	"	
Cobalt	ND	0.00100	"	"	"	"	"	"	
Chromium	ND	0.00100	"	"	"	"	03/31/04	"	
Iron	ND	0.300	"	"	"	"	03/29/04	"	
Mercury	ND	0.000200	"	"	4C25032	03/25/04	03/26/04	EPA 7470A	
Potassium	**2.09**	0.600	"	"	4C25026	03/25/04	03/29/04	EPA 6020	
Magnesium	**11.0**	0.300	"	"	"	"	"	"	
Manganese	**0.0648**	0.0100	"	"	"	"	03/29/04	"	
Sodium	**38.4**	1.50	"	5	"	"	04/01/04	"	
Nickel	ND	0.00100	"	1	"	"	03/31/04	"	
Lead	ND	0.00100	"	"	"	"	"	"	
Antimony	ND	0.00300	"	"	"	"	03/29/04	"	
Selenium	**0.00134**	0.00100	"	"	"	"	"	"	
Vanadium	ND	0.00100	"	"	"	"	"	"	
Zinc	ND	0.0100	"	"	"	"	03/31/04	"	
SHIP-SW-01-F (A4C0008-01RE1) Water Sampled: 03/18/04 12:00 Received: 03/19/04 08:40									**A-01**
Copper	**0.00169**	0.00100	mg/l	1	4D01041	04/01/04	04/02/04	EPA 6020	
SHIP-SW-01-U (A4C0008-02) Water Sampled: 03/18/04 12:20 Received: 03/19/04 08:40									
Aluminum	**1.03**	0.300	mg/l	1	4C24014	03/24/04	03/29/04	EPA 6020	
Arsenic	ND	0.00100	"	"	"	"	03/25/04	"	
Barium	**0.0201**	0.0100	"	"	"	"	"	"	
Calcium	**42.6**	1.50	"	5	"	"	04/01/04	"	
Cadmium	ND	0.00100	"	1	"	"	03/25/04	"	
Cobalt	ND	0.00100	"	"	"	"	"	"	
Chromium	**0.00197**	0.00100	"	"	"	"	"	"	
Copper	**0.00437**	0.00100	"	"	"	"	"	"	
Iron	**1.48**	0.300	"	"	"	"	03/29/04	"	
Mercury	ND	0.000200	"	"	4C24019	03/24/04	03/24/04	EPA 7470A	
Potassium	**2.00**	0.600	"	"	4C24014	03/24/04	03/29/04	EPA 6020	
Magnesium	**10.7**	0.300	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-01-U (A4C0008-02) Water Sampled: 03/18/04 12:20 Received: 03/19/04 08:40									
Manganese	**0.131**	0.0100	mg/l	1	4C24014	03/24/04	03/25/04	"	
Sodium	**35.0**	1.50	"	5	"	"	04/01/04	"	
Nickel	**0.00211**	0.00100	"	1	"	"	03/25/04	"	
Lead	ND	0.00100	"	"	"	"	"	"	
Antimony	ND	0.00300	"	"	"	"	"	"	
Selenium	ND	0.00100	"	"	"	"	"	"	
Vanadium	**0.00277**	0.00100	"	"	"	"	"	"	
Zinc	ND	0.0100	"	"	"	"	"	"	
SHIP-SD-01A (A4C0008-03) Soil Sampled: 03/18/04 12:40 Received: 03/19/04 08:40									
Aluminum	**22600**	750	mg/kg dry	5	4C24024	03/24/04	03/26/04	EPA 6020	
Arsenic	**18.8**	0.500	"	1	"	"	03/25/04	"	
Barium	**179**	5.00	"	"	"	"	"	"	
Calcium	**8080**	150	"	"	"	"	03/26/04	"	
Cadmium	ND	0.500	"	"	"	"	03/25/04	"	
Cobalt	**16.9**	0.500	"	"	"	"	"	"	
Chromium	**47.7**	0.500	"	"	"	"	"	"	
Copper	**55.5**	0.500	"	"	"	"	"	"	
Iron	**38000**	750	"	5	"	"	03/26/04	"	
Mercury	ND	0.100	"	1	4C25038	03/25/04	03/26/04	EPA 7471A	
Potassium	**4270**	1610	"	"	4C24024	03/24/04	03/26/04	EPA 6020	
Magnesium	**12800**	150	"	"	"	"	"	"	
Manganese	**972**	25.0	"	5	"	"	03/25/04	"	
Sodium	**5700**	150	"	1	"	"	03/26/04	"	
Nickel	**44.4**	0.500	"	"	"	"	03/25/04	"	
Lead	**11.9**	0.500	"	"	"	"	"	"	
Antimony	ND	1.50	"	"	"	"	"	"	
Selenium	**0.678**	0.500	"	"	"	"	"	"	
Vanadium	**72.5**	0.500	"	"	"	"	"	"	
Zinc	**126**	5.00	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-01B (A4C0008-04) Soil Sampled: 03/18/04 12:45 Received: 03/19/04 08:40									
Aluminum	**22200**	750	mg/kg dry	5	4C24024	03/24/04	03/26/04	EPA 6020	
Arsenic	**17.0**	0.500	"	1	"	"	03/25/04	"	
Barium	**159**	5.00	"	"	"	"	"	"	
Calcium	**8450**	150	"	"	"	"	03/26/04	"	
Cadmium	ND	0.500	"	"	"	"	03/25/04	"	
Cobalt	**16.3**	0.500	"	"	"	"	"	"	
Chromium	**47.4**	0.500	"	"	"	"	"	"	
Copper	**51.8**	0.500	"	"	"	"	"	"	
Iron	**37700**	750	"	5	"	"	03/26/04	"	
Mercury	ND	0.0893	"	1	4C25038	03/25/04	03/26/04	EPA 7471A	
Potassium	**3720**	1530	"	"	4C24024	03/24/04	03/26/04	EPA 6020	
Magnesium	**12700**	150	"	"	"	"	"	"	
Manganese	**957**	25.0	"	5	"	"	03/25/04	"	
Sodium	**4380**	150	"	1	"	"	03/26/04	"	
Nickel	**43.9**	0.500	"	"	"	"	03/25/04	"	
Lead	**11.7**	0.500	"	"	"	"	"	"	
Antimony	ND	1.50	"	"	"	"	"	"	
Selenium	**0.681**	0.500	"	"	"	"	"	"	
Vanadium	**72.1**	0.500	"	"	"	"	"	"	
Zinc	**119**	5.00	"	"	"	"	"	"	
SHIP-SW-02-F (A4C0008-05) Water Sampled: 03/18/04 13:40 Received: 03/19/04 08:40									**A-01**
Aluminum	ND	0.300	mg/l	1	4C25026	03/25/04	03/29/04	EPA 6020	
Arsenic	ND	0.00100	"	"	"	"	03/29/04	"	
Barium	**0.0108**	0.0100	"	"	"	"	"	"	
Calcium	**41.6**	1.50	"	5	"	"	04/01/04	"	
Cadmium	ND	0.00100	"	1	"	"	03/29/04	"	
Cobalt	ND	0.00100	"	"	"	"	"	"	
Chromium	ND	0.00100	"	"	"	"	03/31/04	"	
Iron	ND	0.300	"	"	"	"	03/29/04	"	
Mercury	ND	0.000200	"	"	4C25032	03/25/04	03/26/04	EPA 7470A	
Potassium	**1.18**	0.600	"	"	4C25026	03/25/04	03/29/04	EPA 6020	
Magnesium	**8.32**	0.300	"	"	"	"	"	"	
Manganese	**0.0660**	0.0100	"	"	"	"	03/29/04	"	
Sodium	**17.1**	0.300	"	"	"	"	03/29/04	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-02-F (A4C0008-05) Water Sampled: 03/18/04 13:40 Received: 03/19/04 08:40									**A-01**
Nickel	ND	0.00100	mg/l	1	4C25026	03/25/04	03/31/04	"	
Lead	ND	0.00100	"	"	"	"	"	"	
Antimony	ND	0.00300	"	"	"	"	03/29/04	"	
Selenium	ND	0.00100	"	"	"	"	"	"	
Vanadium	ND	0.00100	"	"	"	"	"	"	
Zinc	ND	0.0100	"	"	"	"	03/31/04	"	
SHIP-SW-02-F (A4C0008-05RE1) Water Sampled: 03/18/04 13:40 Received: 03/19/04 08:40									**A-01**
Copper	**0.00161**	0.00100	mg/l	1	4D01041	04/01/04	04/02/04	EPA 6020	
SHIP-SW-02-U (A4C0008-06) Water Sampled: 03/18/04 13:50 Received: 03/19/04 08:40									
Aluminum	ND	0.300	mg/l	1	4C24014	03/24/04	03/29/04	EPA 6020	
Arsenic	ND	0.00100	"	"	"	"	03/25/04	"	
Barium	**0.0123**	0.0100	"	"	"	"	"	"	
Calcium	**40.5**	1.50	"	5	"	"	04/01/04	"	
Cadmium	ND	0.00100	"	1	"	"	03/25/04	"	
Cobalt	ND	0.00100	"	"	"	"	"	"	
Chromium	ND	0.00100	"	"	"	"	"	"	
Copper	**0.00275**	0.00100	"	"	"	"	"	"	
Iron	**0.430**	0.300	"	"	"	"	03/29/04	"	
Mercury	ND	0.000200	"	"	4C24019	03/24/04	03/24/04	EPA 7470A	
Potassium	**1.18**	0.600	"	"	4C24014	03/24/04	03/29/04	EPA 6020	
Magnesium	**7.96**	0.300	"	"	"	"	"	"	
Manganese	**0.0920**	0.0100	"	"	"	"	03/25/04	"	
Sodium	**16.2**	0.300	"	"	"	"	03/29/04	"	
Nickel	ND	0.00100	"	"	"	"	03/25/04	"	
Lead	ND	0.00100	"	"	"	"	"	"	
Antimony	ND	0.00300	"	"	"	"	"	"	
Selenium	ND	0.00100	"	"	"	"	"	"	
Vanadium	ND	0.00100	"	"	"	"	"	"	
Zinc	ND	0.0100	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-02A (A4C0008-07) Soil Sampled: 03/18/04 14:00 Received: 03/19/04 08:40									
Aluminum	**22200**	750	mg/kg dry	5	4C24024	03/24/04	03/26/04	EPA 6020	
Arsenic	**17.3**	0.500	"	1	"	"	03/25/04	"	
Barium	**168**	5.00	"	"	"	"	"	"	
Calcium	**7840**	150	"	"	"	"	03/26/04	"	
Cadmium	ND	0.500	"	"	"	"	03/25/04	"	
Cobalt	**16.1**	0.500	"	"	"	"	"	"	
Chromium	**46.0**	0.500	"	"	"	"	"	"	
Copper	**52.3**	0.500	"	"	"	"	"	"	
Iron	**37100**	750	"	5	"	"	03/26/04	"	
Mercury	ND	0.100	"	1	4C25038	03/25/04	03/26/04	EPA 7471A	
Potassium	**3810**	1650	"	"	4C24024	03/24/04	03/26/04	EPA 6020	
Magnesium	**12200**	150	"	"	"	"	"	"	
Manganese	**944**	25.0	"	5	"	"	03/25/04	"	
Sodium	**2140**	150	"	1	"	"	03/26/04	"	
Nickel	**42.9**	0.500	"	"	"	"	03/25/04	"	
Lead	**12.5**	0.500	"	"	"	"	"	"	
Antimony	ND	1.50	"	"	"	"	"	"	
Selenium	**0.630**	0.500	"	"	"	"	"	"	
Vanadium	**70.1**	0.500	"	"	"	"	"	"	
Zinc	**118**	5.00	"	"	"	"	"	"	
SHIP-SD-02B (A4C0008-08) Soil Sampled: 03/18/04 14:05 Received: 03/19/04 08:40									
Aluminum	**22800**	750	mg/kg dry	5	4C24024	03/24/04	03/26/04	EPA 6020	
Arsenic	**18.0**	0.500	"	1	"	"	03/25/04	"	
Barium	**174**	5.00	"	"	"	"	"	"	
Calcium	**7660**	150	"	"	"	"	03/26/04	"	
Cadmium	ND	0.500	"	"	"	"	03/25/04	"	
Cobalt	**16.6**	0.500	"	"	"	"	"	"	
Chromium	**48.6**	0.500	"	"	"	"	"	"	
Copper	**52.4**	0.500	"	"	"	"	"	"	
Iron	**38800**	750	"	5	"	"	03/26/04	"	
Mercury	ND	0.100	"	1	4C25038	03/25/04	03/26/04	EPA 7471A	
Potassium	**3590**	1500	"	"	4C24024	03/24/04	03/26/04	EPA 6020	
Magnesium	**12300**	150	"	"	"	"	"	"	
Manganese	**890**	25.0	"	5	"	"	03/25/04	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-02B (A4C0008-08) Soil Sampled: 03/18/04 14:05 Received: 03/19/04 08:40									
Sodium	**2290**	150	mg/kg dry	1	4C24024	03/24/04	03/26/04	"	
Nickel	**46.2**	0.500	"	"	"	"	03/25/04	"	
Lead	**15.3**	0.500	"	"	"	"	"	"	
Antimony	ND	1.50	"	"	"	"	"	"	
Selenium	**0.684**	0.500	"	"	"	"	"	"	
Vanadium	**71.2**	0.500	"	"	"	"	"	"	
Zinc	**123**	5.00	"	"	"	"	"	"	
SHIP-SW-03-F (A4C0008-09) Water Sampled: 03/18/04 14:40 Received: 03/19/04 08:40									**A-01**
Aluminum	ND	0.300	mg/l	1	4C25026	03/25/04	03/29/04	EPA 6020	
Arsenic	ND	0.00100	"	"	"	"	03/29/04	"	
Barium	**0.0105**	0.0100	"	"	"	"	"	"	
Calcium	**41.1**	1.50	"	5	"	"	04/01/04	"	
Cadmium	ND	0.00100	"	1	"	"	03/29/04	"	
Cobalt	ND	0.00100	"	"	"	"	"	"	
Chromium	ND	0.00100	"	"	"	"	03/31/04	"	
Iron	ND	0.300	"	"	"	"	03/29/04	"	
Mercury	ND	0.000200	"	"	4C25032	03/25/04	03/26/04	EPA 7470A	
Potassium	**0.770**	0.600	"	"	4C25026	03/25/04	03/29/04	EPA 6020	
Magnesium	**6.93**	0.300	"	"	"	"	"	"	
Manganese	**0.0664**	0.0100	"	"	"	"	03/29/04	"	
Sodium	**5.63**	0.300	"	"	"	"	03/29/04	"	
Nickel	ND	0.00100	"	"	"	"	03/31/04	"	
Lead	ND	0.00100	"	"	"	"	"	"	
Antimony	ND	0.00300	"	"	"	"	03/29/04	"	
Selenium	ND	0.00100	"	"	"	"	"	"	
Vanadium	ND	0.00100	"	"	"	"	"	"	
Zinc	ND	0.0100	"	"	"	"	03/31/04	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-03-F (A4C0008-09RE1) Water Sampled: 03/18/04 14:40 Received: 03/19/04 08:40									**A-01**
Copper	**0.00180**	0.00100	mg/l	1	4D01041	04/01/04	04/02/04	EPA 6020	
SHIP-SW-03-U (A4C0008-10) Water Sampled: 03/18/04 14:50 Received: 03/19/04 08:40									
Aluminum	ND	0.300	mg/l	1	4C24014	03/24/04	03/29/04	EPA 6020	
Arsenic	ND	0.00100	"	"	"	"	03/25/04	"	
Barium	**0.0116**	0.0100	"	"	"	"	"	"	
Calcium	**40.8**	1.50	"	5	"	"	04/01/04	"	
Cadmium	ND	0.00100	"	1	"	"	03/25/04	"	
Cobalt	ND	0.00100	"	"	"	"	"	"	
Chromium	ND	0.00100	"	"	"	"	"	"	
Copper	**0.00274**	0.00100	"	"	"	"	"	"	
Iron	**0.330**	0.300	"	"	"	"	03/29/04	"	
Mercury	ND	0.000200	"	"	4C24019	03/24/04	03/24/04	EPA 7470A	
Potassium	**0.780**	0.600	"	"	4C24014	03/24/04	03/29/04	EPA 6020	
Magnesium	**6.76**	0.300	"	"	"	"	"	"	
Manganese	**0.0957**	0.0100	"	"	"	"	03/25/04	"	
Sodium	**5.46**	0.300	"	"	"	"	03/29/04	"	
Nickel	ND	0.00100	"	"	"	"	03/25/04	"	
Lead	ND	0.00100	"	"	"	"	"	"	
Antimony	ND	0.00300	"	"	"	"	"	"	
Selenium	ND	0.00100	"	"	"	"	"	"	
Vanadium	ND	0.00100	"	"	"	"	"	"	
Zinc	ND	0.0100	"	"	"	"	"	"	
SHIP-SD-03A (A4C0008-11) Soil Sampled: 03/18/04 15:00 Received: 03/19/04 08:40									
Aluminum	**14200**	150	mg/kg dry	1	4C24024	03/24/04	03/26/04	EPA 6020	
Arsenic	**4.75**	0.500	"	"	"	"	03/25/04	"	
Barium	**67.0**	5.00	"	"	"	"	"	"	
Calcium	**6190**	150	"	"	"	"	03/26/04	"	
Cadmium	ND	0.500	"	"	"	"	03/25/04	"	
Cobalt	**9.24**	0.500	"	"	"	"	"	"	
Chromium	**28.5**	0.500	"	"	"	"	"	"	
Copper	**27.6**	0.500	"	"	"	"	"	"	
Iron	**26800**	750	"	5	"	"	03/26/04	"	
Mercury	ND	0.0893	"	1	4C25038	03/25/04	03/26/04	EPA 7471A	
Potassium	ND	1580	"	"	4C24024	03/24/04	03/26/04	EPA 6020	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-03A (A4C0008-11) Soil Sampled: 03/18/04 15:00 Received: 03/19/04 08:40									
Magnesium	**8140**	150	mg/kg dry	1	4C24024	03/24/04	03/26/04	"	
Manganese	**799**	25.0	"	5	"	"	03/25/04	"	
Sodium	**190**	150	"	1	"	"	03/26/04	"	
Nickel	**29.4**	0.500	"	"	"	"	03/25/04	"	
Lead	**5.64**	0.500	"	"	"	"	"	"	
Antimony	ND	1.50	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Vanadium	**46.5**	0.500	"	"	"	"	"	"	
Zinc	**68.9**	5.00	"	"	"	"	"	"	
SHIP-SD-03B (A4C0008-12) Soil Sampled: 03/18/04 15:05 Received: 03/19/04 08:40									
Aluminum	**11600**	150	mg/kg dry	1	4C24024	03/24/04	03/26/04	EPA 6020	
Arsenic	**4.15**	0.500	"	"	"	"	03/25/04	"	
Barium	**54.1**	5.00	"	"	"	"	"	"	
Calcium	**5820**	150	"	"	"	"	03/26/04	"	
Cadmium	ND	0.500	"	"	"	"	03/25/04	"	
Cobalt	**7.48**	0.500	"	"	"	"	"	"	
Chromium	**21.9**	0.500	"	"	"	"	"	"	
Copper	**23.1**	0.500	"	"	"	"	"	"	
Iron	**20700**	750	"	5	"	"	03/26/04	"	
Mercury	ND	0.100	"	1	4C25038	03/25/04	03/26/04	EPA 7471A	
Potassium	ND	1500	"	"	4C24024	03/24/04	03/26/04	EPA 6020	
Magnesium	**6360**	150	"	"	"	"	"	"	
Manganese	**650**	25.0	"	5	"	"	03/25/04	"	
Sodium	**165**	150	"	1	"	"	03/26/04	"	
Nickel	**25.8**	0.500	"	"	"	"	03/25/04	"	
Lead	**4.55**	0.500	"	"	"	"	"	"	
Antimony	ND	1.50	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Vanadium	**40.0**	0.500	"	"	"	"	"	"	
Zinc	**55.1**	5.00	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-04-F (A4C0008-13) Water Sampled: 03/18/04 15:20 Received: 03/19/04 08:40									**A-01**
Aluminum	ND	0.300	mg/l	1	4C25026	03/25/04	03/29/04	EPA 6020	
Arsenic	ND	0.00100	"	"	"	"	03/29/04	"	
Barium	**0.0100**	0.0100	"	"	"	"	"	"	
Calcium	**39.0**	1.50	"	5	"	"	04/01/04	"	
Cadmium	ND	0.00100	"	1	"	"	03/29/04	"	
Cobalt	ND	0.00100	"	"	"	"	"	"	
Chromium	ND	0.00100	"	"	"	"	03/31/04	"	
Iron	ND	0.300	"	"	"	"	03/29/04	"	
Mercury	ND	0.000200	"	"	4C25032	03/25/04	03/26/04	EPA 7470A	
Potassium	**0.670**	0.600	"	"	4C25026	03/25/04	03/29/04	EPA 6020	
Magnesium	**6.11**	0.300	"	"	"	"	"	"	
Manganese	**0.0782**	0.0100	"	"	"	"	03/29/04	"	
Sodium	**4.00**	0.300	"	"	"	"	03/29/04	"	
Nickel	**0.00123**	0.00100	"	"	"	"	03/31/04	"	
Lead	ND	0.00100	"	"	"	"	"	"	
Antimony	ND	0.00300	"	"	"	"	03/29/04	"	
Selenium	ND	0.00100	"	"	"	"	"	"	
Vanadium	ND	0.00100	"	"	"	"	"	"	
Zinc	ND	0.0100	"	"	"	"	03/31/04	"	
SHIP-SW-04-F (A4C0008-13RE1) Water Sampled: 03/18/04 15:20 Received: 03/19/04 08:40									**A-01**
Copper	**0.00177**	0.00100	mg/l	1	4D01041	04/01/04	04/02/04	EPA 6020	
SHIP-SW-04-U (A4C0008-15) Water Sampled: 03/18/04 15:30 Received: 03/19/04 08:40									
Aluminum	**0.390**	0.300	mg/l	1	4C24014	03/24/04	03/29/04	EPA 6020	
Arsenic	ND	0.00100	"	"	"	"	03/25/04	"	
Barium	**0.0136**	0.0100	"	"	"	"	"	"	
Calcium	**40.3**	1.50	"	5	"	"	04/01/04	"	
Cadmium	ND	0.00100	"	1	"	"	03/25/04	"	
Cobalt	ND	0.00100	"	"	"	"	"	"	
Chromium	ND	0.00100	"	"	"	"	"	"	
Copper	**0.00395**	0.00100	"	"	"	"	"	"	
Iron	**0.590**	0.300	"	"	"	"	03/29/04	"	
Mercury	ND	0.000200	"	"	4C24019	03/24/04	03/24/04	EPA 7470A	
Potassium	**0.760**	0.600	"	"	4C24014	03/24/04	03/29/04	EPA 6020	
Magnesium	**6.53**	0.300	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-04-U (A4C0008-15) Water Sampled: 03/18/04 15:30 Received: 03/19/04 08:40									
Manganese	**0.136**	0.0100	mg/l	1	4C24014	03/24/04	03/25/04	"	
Sodium	**4.12**	0.300	"	"	"	"	03/29/04	"	
Nickel	ND	0.00100	"	"	"	"	03/25/04	"	
Lead	ND	0.00100	"	"	"	"	"	"	
Antimony	ND	0.00300	"	"	"	"	"	"	
Selenium	ND	0.00100	"	"	"	"	"	"	
Vanadium	**0.00124**	0.00100	"	"	"	"	"	"	
Zinc	ND	0.0100	"	"	"	"	"	"	
SHIP-SD-04A (A4C0008-16) Soil Sampled: 03/18/04 15:40 Received: 03/19/04 08:40									
Aluminum	**16900**	750	mg/kg dry	5	4C24024	03/24/04	03/26/04	EPA 6020	
Arsenic	**5.70**	0.500	"	1	"	"	03/25/04	"	
Barium	**69.1**	5.00	"	"	"	"	"	"	
Calcium	**7520**	150	"	"	"	"	03/26/04	"	
Cadmium	ND	0.500	"	"	"	"	03/25/04	"	
Cobalt	**10.9**	0.500	"	"	"	"	"	"	
Chromium	**34.5**	0.500	"	"	"	"	"	"	
Copper	**27.7**	0.500	"	"	"	"	"	"	
Iron	**29900**	750	"	5	"	"	03/26/04	"	
Mercury	ND	0.100	"	1	4C25038	03/25/04	03/26/04	EPA 7471A	X
Potassium	ND	1580	"	"	4C24024	03/24/04	03/26/04	EPA 6020	
Magnesium	**9500**	150	"	"	"	"	"	"	
Manganese	**730**	25.0	"	5	"	"	03/25/04	"	
Sodium	**268**	150	"	1	"	"	03/26/04	"	
Nickel	**36.4**	0.500	"	"	"	"	03/25/04	"	
Lead	**5.70**	0.500	"	"	"	"	"	"	
Antimony	ND	1.50	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Vanadium	**55.1**	0.500	"	"	"	"	"	"	
Zinc	**72.4**	5.00	"	"	"	"	"	"	

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Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-04A (A4C0008-16RE1) Soil Sampled: 03/18/04 15:40 Received: 03/19/04 08:40									
Mercury	ND	0.100	mg/kg dry	1	4E07031	05/07/04	05/07/04	EPA 7471A	1-02, X
SHIP-SD-04B (A4C0008-18) Soil Sampled: 03/18/04 15:50 Received: 03/19/04 08:40									
Aluminum	**17100**	750	mg/kg dry	5	4C24024	03/24/04	03/26/04	EPA 6020	
Arsenic	**5.53**	0.500	"	1	"	"	03/25/04	"	
Barium	**63.0**	5.00	"	"	"	"	"	"	
Calcium	**7950**	150	"	"	"	"	03/26/04	"	
Cadmium	ND	0.500	"	"	"	"	03/25/04	"	
Cobalt	**11.2**	0.500	"	"	"	"	"	"	
Chromium	**36.9**	0.500	"	"	"	"	"	"	
Copper	**28.2**	0.500	"	"	"	"	"	"	
Iron	**31300**	750	"	5	"	"	03/26/04	"	
Mercury	**0.931**	0.100	"	1	4C25038	03/25/04	03/26/04	EPA 7471A	X
Potassium	ND	1430	"	"	4C24024	03/24/04	03/26/04	EPA 6020	
Magnesium	**10100**	150	"	"	"	"	"	"	
Manganese	**646**	25.0	"	5	"	"	03/25/04	"	
Sodium	**209**	150	"	1	"	"	03/26/04	"	
Nickel	**41.6**	0.500	"	"	"	"	03/25/04	"	
Lead	**7.84**	0.500	"	"	"	"	"	"	
Antimony	ND	1.50	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Vanadium	**60.3**	0.500	"	"	"	"	"	"	
Zinc	**71.0**	5.00	"	"	"	"	"	"	
SHIP-SD-04B (A4C0008-18RE1) Soil Sampled: 03/18/04 15:50 Received: 03/19/04 08:40									
Mercury	ND	0.100	mg/kg dry	1	4E07031	05/07/04	05/07/04	EPA 7471A	1-02, X

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-05-F (A4C0008-19) Water Sampled: 03/18/04 16:40 Received: 03/19/04 08:40									**A-01**
Aluminum	ND	0.300	mg/l	1	4C25026	03/25/04	03/29/04	EPA 6020	
Arsenic	ND	0.00100	"	"	"	"	03/29/04	"	
Barium	ND	0.0100	"	"	"	"	"	"	
Calcium	**40.5**	1.50	"	5	"	"	04/01/04	"	
Cadmium	ND	0.00100	"	1	"	"	03/29/04	"	
Cobalt	ND	0.00100	"	"	"	"	"	"	
Chromium	ND	0.00100	"	"	"	"	03/31/04	"	
Iron	ND	0.300	"	"	"	"	03/29/04	"	
Mercury	ND	0.000200	"	"	4C25032	03/25/04	03/26/04	EPA 7470A	
Potassium	**0.600**	0.600	"	"	4C25026	03/25/04	03/29/04	EPA 6020	
Magnesium	**5.96**	0.300	"	"	"	"	"	"	
Manganese	**0.166**	0.0100	"	"	"	"	03/29/04	"	
Sodium	**3.57**	0.300	"	"	"	"	03/29/04	"	
Nickel	ND	0.00100	"	"	"	"	03/31/04	"	
Lead	ND	0.00100	"	"	"	"	"	"	
Antimony	ND	0.00300	"	"	"	"	03/29/04	"	
Selenium	ND	0.00100	"	"	"	"	"	"	
Vanadium	ND	0.00100	"	"	"	"	"	"	
Zinc	ND	0.0100	"	"	"	"	03/31/04	"	
SHIP-SW-05-F (A4C0008-19RE1) Water Sampled: 03/18/04 16:40 Received: 03/19/04 08:40									**A-01**
Copper	ND	0.00100	mg/l	1	4D01041	04/01/04	04/02/04	EPA 6020	
SHIP-SW-05-U (A4C0008-20) Water Sampled: 03/18/04 16:50 Received: 03/19/04 08:40									
Aluminum	**0.400**	0.300	mg/l	1	4C24014	03/24/04	03/29/04	EPA 6020	
Arsenic	ND	0.00100	"	"	"	"	03/25/04	"	
Barium	**0.0123**	0.0100	"	"	"	"	"	"	
Calcium	**39.8**	1.50	"	5	"	"	04/01/04	"	
Cadmium	ND	0.00100	"	1	"	"	03/25/04	"	
Cobalt	ND	0.00100	"	"	"	"	"	"	
Chromium	**0.00121**	0.00100	"	"	"	"	"	"	
Copper	**0.00156**	0.00100	"	"	"	"	"	"	
Iron	**0.600**	0.300	"	"	"	"	03/29/04	"	
Mercury	ND	0.000200	"	"	4C24019	03/24/04	03/24/04	EPA 7470A	
Potassium	**0.660**	0.600	"	"	4C24014	03/24/04	03/29/04	EPA 6020	
Magnesium	**6.13**	0.300	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Total Metals by EPA 6000/7000 Series Methods

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-05-U (A4C0008-20) Water Sampled: 03/18/04 16:50 Received: 03/19/04 08:40									
Manganese	**0.158**	0.0100	mg/l	1	4C24014	03/24/04	03/25/04	"	
Sodium	**3.53**	0.300	"	"	"	"	03/29/04	"	
Nickel	**0.00103**	0.00100	"	"	"	"	03/25/04	"	
Lead	**0.00106**	0.00100	"	"	"	"	"	"	
Antimony	ND	0.00300	"	"	"	"	"	"	
Selenium	ND	0.00100	"	"	"	"	"	"	
Vanadium	**0.00116**	0.00100	"	"	"	"	"	"	
Zinc	ND	0.0100	"	"	"	"	"	"	
SHIP-SD-05A (A4C0008-21) Soil Sampled: 03/18/04 16:55 Received: 03/19/04 08:40									
Aluminum	**19200**	833	mg/kg dry	5	4C24024	03/24/04	03/26/04	EPA 6020	
Arsenic	**6.03**	0.556	"	1	"	"	03/25/04	"	
Barium	**88.5**	5.56	"	"	"	"	"	"	
Calcium	**8120**	167	"	"	"	"	03/26/04	"	
Cadmium	ND	0.556	"	"	"	"	03/25/04	"	
Cobalt	**12.1**	0.556	"	"	"	"	"	"	
Chromium	**37.6**	0.556	"	"	"	"	"	"	
Copper	**29.2**	0.556	"	"	"	"	"	"	
Iron	**32000**	833	"	5	"	"	03/26/04	"	
Mercury	ND	0.100	"	1	4C25038	03/25/04	03/26/04	EPA 7471A	
Potassium	ND	1670	"	"	4C24024	03/24/04	03/26/04	EPA 6020	
Magnesium	**8850**	167	"	"	"	"	"	"	
Manganese	**623**	27.8	"	5	"	"	03/25/04	"	
Sodium	**361**	167	"	1	"	"	03/26/04	"	
Nickel	**36.1**	0.556	"	"	"	"	03/25/04	"	
Lead	**7.10**	0.556	"	"	"	"	"	"	
Antimony	ND	1.67	"	"	"	"	"	"	
Selenium	ND	0.556	"	"	"	"	"	"	
Vanadium	**60.9**	0.556	"	"	"	"	"	"	
Zinc	**75.0**	5.56	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-05B (A4C0008-22) Soil Sampled: 03/18/04 17:00 Received: 03/19/04 08:40									
Aluminum	**17100**	750	mg/kg dry	5	4C24024	03/24/04	03/26/04	EPA 6020	
Arsenic	**5.21**	0.500	"	1	"	"	03/25/04	"	
Barium	**82.8**	5.00	"	"	"	"	"	"	
Calcium	**7450**	150	"	"	"	"	03/26/04	"	
Cadmium	ND	0.500	"	"	"	"	03/25/04	"	
Cobalt	**10.9**	0.500	"	"	"	"	"	"	
Chromium	**34.5**	0.500	"	"	"	"	"	"	
Copper	**25.4**	0.500	"	"	"	"	"	"	
Iron	**28500**	750	"	5	"	"	03/26/04	"	
Mercury	ND	0.100	"	1	4C25038	03/25/04	03/26/04	EPA 7471A	
Potassium	ND	1460	"	"	4C24024	03/24/04	03/26/04	EPA 6020	
Magnesium	**8340**	150	"	"	"	"	"	"	
Manganese	**568**	25.0	"	5	"	"	03/25/04	"	
Sodium	**331**	150	"	1	"	"	03/26/04	"	
Nickel	**32.6**	0.500	"	"	"	"	03/25/04	"	
Lead	**5.98**	0.500	"	"	"	"	"	"	
Antimony	ND	1.50	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Vanadium	**54.8**	0.500	"	"	"	"	"	"	
Zinc	**65.7**	5.00	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Polychlorinated Biphenyls by EPA Method 8082

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-01-F (A4C0008-01) Water	**Sampled: 03/18/04 12:00**		**Received: 03/19/04 08:40**						**C-02**
Aroclor 1016	ND	0.500	ug/l	1	4C25010	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	0.500	"	"	"	"	"	"	
Aroclor 1232	ND	0.500	"	"	"	"	"	"	
Aroclor 1242	ND	0.500	"	"	"	"	"	"	
Aroclor 1248	ND	0.500	"	"	"	"	"	"	
Aroclor 1254	ND	0.500	"	"	"	"	"	"	
Aroclor 1260	ND	0.500	"	"	"	"	"	"	
Aroclor 1262	ND	0.500	"	"	"	"	"	"	
Aroclor 1268	ND	0.500	"	"	"	"	"	"	
Surrogate: TCX	*90.4 %*	*25-129*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*75.8 %*	*22-125*			"	"	"	"	
SHIP-SW-01-U (A4C0008-02) Water	**Sampled: 03/18/04 12:20**		**Received: 03/19/04 08:40**						**C-02**
Aroclor 1016	ND	0.500	ug/l	1	4C25010	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	0.500	"	"	"	"	"	"	
Aroclor 1232	ND	0.500	"	"	"	"	"	"	
Aroclor 1242	ND	0.500	"	"	"	"	"	"	
Aroclor 1248	ND	0.500	"	"	"	"	"	"	
Aroclor 1254	ND	0.500	"	"	"	"	"	"	
Aroclor 1260	ND	0.500	"	"	"	"	"	"	
Aroclor 1262	ND	0.500	"	"	"	"	"	"	
Aroclor 1268	ND	0.500	"	"	"	"	"	"	
Surrogate: TCX	*94.7 %*	*25-129*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*73.6 %*	*22-125*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Polychlorinated Biphenyls by EPA Method 8082

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-01A (A4C0008-03) Soil **Sampled: 03/18/04 12:40 Received: 03/19/04 08:40**									**C-02**
Aroclor 1016	ND	25.0	ug/kg dry	1	4C25028	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	50.0	"	"	"	"	"	"	
Aroclor 1232	ND	25.0	"	"	"	"	"	"	
Aroclor 1242	ND	25.0	"	"	"	"	"	"	
Aroclor 1248	ND	25.0	"	"	"	"	"	"	
Aroclor 1254	ND	25.0	"	"	"	"	"	"	
Aroclor 1260	ND	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	25.0	"	"	"	"	"	"	
Aroclor 1268	ND	25.0	"	"	"	"	"	"	
Surrogate: TCX	*80.6 %*	*19-130*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*82.9 %*	*10-155*			"	"	"	"	
SHIP-SD-01B (A4C0008-04) Soil **Sampled: 03/18/04 12:45 Received: 03/19/04 08:40**									**C-02**
Aroclor 1016	ND	25.0	ug/kg dry	1	4C25028	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	50.0	"	"	"	"	"	"	
Aroclor 1232	ND	25.0	"	"	"	"	"	"	
Aroclor 1242	ND	25.0	"	"	"	"	"	"	
Aroclor 1248	ND	25.0	"	"	"	"	"	"	
Aroclor 1254	ND	25.0	"	"	"	"	"	"	
Aroclor 1260	ND	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	25.0	"	"	"	"	"	"	
Aroclor 1268	ND	25.0	"	"	"	"	"	"	
Surrogate: TCX	*81.9 %*	*19-130*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*82.4 %*	*10-155*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Polychlorinated Biphenyls by EPA Method 8082
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-02-F (A4C0008-05) Water Sampled: 03/18/04 13:40 Received: 03/19/04 08:40									**C-02**
Aroclor 1016	ND	0.500	ug/l	1	4C25010	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	0.500	"	"	"	"	"	"	
Aroclor 1232	ND	0.500	"	"	"	"	"	"	
Aroclor 1242	ND	0.500	"	"	"	"	"	"	
Aroclor 1248	ND	0.500	"	"	"	"	"	"	
Aroclor 1254	ND	0.500	"	"	"	"	"	"	
Aroclor 1260	ND	0.500	"	"	"	"	"	"	
Aroclor 1262	ND	0.500	"	"	"	"	"	"	
Aroclor 1268	ND	0.500	"	"	"	"	"	"	
Surrogate: TCX	*96.1 %*	*25-129*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*76.7 %*	*22-125*			"	"	"	"	
SHIP-SW-02-U (A4C0008-06) Water Sampled: 03/18/04 13:50 Received: 03/19/04 08:40									**C-02**
Aroclor 1016	ND	0.500	ug/l	1	4C25010	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	0.500	"	"	"	"	"	"	
Aroclor 1232	ND	0.500	"	"	"	"	"	"	
Aroclor 1242	ND	0.500	"	"	"	"	"	"	
Aroclor 1248	ND	0.500	"	"	"	"	"	"	
Aroclor 1254	ND	0.500	"	"	"	"	"	"	
Aroclor 1260	ND	0.500	"	"	"	"	"	"	
Aroclor 1262	ND	0.500	"	"	"	"	"	"	
Aroclor 1268	ND	0.500	"	"	"	"	"	"	
Surrogate: TCX	*94.1 %*	*25-129*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*74.5 %*	*22-125*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Polychlorinated Biphenyls by EPA Method 8082

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-02A (A4C0008-07) Soil	**Sampled: 03/18/04 14:00**	**Received: 03/19/04 08:40**							**C-02**
Aroclor 1016	ND	25.0	ug/kg dry	1	4C25028	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	50.0	"	"	"	"	"	"	
Aroclor 1232	ND	25.0	"	"	"	"	"	"	
Aroclor 1242	ND	25.0	"	"	"	"	"	"	
Aroclor 1248	ND	25.0	"	"	"	"	"	"	
Aroclor 1254	ND	25.0	"	"	"	"	"	"	
Aroclor 1260	ND	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	25.0	"	"	"	"	"	"	
Aroclor 1268	ND	25.0	"	"	"	"	"	"	
Surrogate: TCX	*87.5 %*	*19-130*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*84.2 %*	*10-155*			"	"	"	"	
SHIP-SD-02B (A4C0008-08) Soil	**Sampled: 03/18/04 14:05**	**Received: 03/19/04 08:40**							**C-02**
Aroclor 1016	ND	25.0	ug/kg dry	1	4C25028	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	50.0	"	"	"	"	"	"	
Aroclor 1232	ND	25.0	"	"	"	"	"	"	
Aroclor 1242	ND	25.0	"	"	"	"	"	"	
Aroclor 1248	ND	25.0	"	"	"	"	"	"	
Aroclor 1254	ND	25.0	"	"	"	"	"	"	
Aroclor 1260	ND	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	25.0	"	"	"	"	"	"	
Aroclor 1268	ND	25.0	"	"	"	"	"	"	
Surrogate: TCX	*87.7 %*	*19-130*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*79.6 %*	*10-155*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Polychlorinated Biphenyls by EPA Method 8082
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-03-F (A4C0008-09) Water	**Sampled: 03/18/04 14:40**		**Received: 03/19/04 08:40**						**C-02**
Aroclor 1016	ND	0.500	ug/l	1	4C25010	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	0.500	"	"	"	"	"	"	
Aroclor 1232	ND	0.500	"	"	"	"	"	"	
Aroclor 1242	ND	0.500	"	"	"	"	"	"	
Aroclor 1248	ND	0.500	"	"	"	"	"	"	
Aroclor 1254	ND	0.500	"	"	"	"	"	"	
Aroclor 1260	ND	0.500	"	"	"	"	"	"	
Aroclor 1262	ND	0.500	"	"	"	"	"	"	
Aroclor 1268	ND	0.500	"	"	"	"	"	"	
Surrogate: TCX	*94.9 %*	*25-129*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*74.2 %*	*22-125*			"	"	"	"	
SHIP-SW-03-U (A4C0008-10) Water	**Sampled: 03/18/04 14:50**		**Received: 03/19/04 08:40**						**C-02**
Aroclor 1016	ND	0.500	ug/l	1	4C25010	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	0.500	"	"	"	"	"	"	
Aroclor 1232	ND	0.500	"	"	"	"	"	"	
Aroclor 1242	ND	0.500	"	"	"	"	"	"	
Aroclor 1248	ND	0.500	"	"	"	"	"	"	
Aroclor 1254	ND	0.500	"	"	"	"	"	"	
Aroclor 1260	ND	0.500	"	"	"	"	"	"	
Aroclor 1262	ND	0.500	"	"	"	"	"	"	
Aroclor 1268	ND	0.500	"	"	"	"	"	"	
Surrogate: TCX	*97.0 %*	*25-129*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*74.3 %*	*22-125*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Polychlorinated Biphenyls by EPA Method 8082
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-03A (A4C0008-11) Soil **Sampled: 03/18/04 15:00 Received: 03/19/04 08:40**									**C-02**
Aroclor 1016	ND	25.0	ug/kg dry	1	4C25028	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	50.0	"	"	"	"	"	"	
Aroclor 1232	ND	25.0	"	"	"	"	"	"	
Aroclor 1242	ND	25.0	"	"	"	"	"	"	
Aroclor 1248	ND	25.0	"	"	"	"	"	"	
Aroclor 1254	ND	25.0	"	"	"	"	"	"	
Aroclor 1260	ND	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	25.0	"	"	"	"	"	"	
Aroclor 1268	ND	25.0	"	"	"	"	"	"	
Surrogate: TCX	*91.3 %*	*19-130*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*74.0 %*	*10-155*			"	"	"	"	
SHIP-SD-03B (A4C0008-12) Soil **Sampled: 03/18/04 15:05 Received: 03/19/04 08:40**									**C-02**
Aroclor 1016	ND	25.0	ug/kg dry	1	4C25028	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	50.0	"	"	"	"	"	"	
Aroclor 1232	ND	25.0	"	"	"	"	"	"	
Aroclor 1242	ND	25.0	"	"	"	"	"	"	
Aroclor 1248	ND	25.0	"	"	"	"	"	"	
Aroclor 1254	ND	25.0	"	"	"	"	"	"	
Aroclor 1260	ND	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	25.0	"	"	"	"	"	"	
Aroclor 1268	ND	25.0	"	"	"	"	"	"	
Surrogate: TCX	*89.6 %*	*19-130*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*71.7 %*	*10-155*			"	"	"	"	

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Mike Priebe, Technical Services Manager

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Polychlorinated Biphenyls by EPA Method 8082
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-04-F (A4C0008-13) Water	**Sampled: 03/18/04 15:20**		**Received: 03/19/04 08:40**						**C-02**
Aroclor 1016	ND	0.500	ug/l	1	4C25010	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	0.500	"	"	"	"	"	"	
Aroclor 1232	ND	0.500	"	"	"	"	"	"	
Aroclor 1242	ND	0.500	"	"	"	"	"	"	
Aroclor 1248	ND	0.500	"	"	"	"	"	"	
Aroclor 1254	ND	0.500	"	"	"	"	"	"	
Aroclor 1260	ND	0.500	"	"	"	"	"	"	
Aroclor 1262	ND	0.500	"	"	"	"	"	"	
Aroclor 1268	ND	0.500	"	"	"	"	"	"	
Surrogate: TCX	*91.8 %*	*25-129*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*72.2 %*	*22-125*			"	"	"	"	
SHIP-SW-04-U (A4C0008-15) Water	**Sampled: 03/18/04 15:30**		**Received: 03/19/04 08:40**						**C-02**
Aroclor 1016	ND	0.500	ug/l	1	4C25010	03/25/04	03/30/04	EPA 8082	
Aroclor 1221	ND	0.500	"	"	"	"	"	"	
Aroclor 1232	ND	0.500	"	"	"	"	"	"	
Aroclor 1242	ND	0.500	"	"	"	"	"	"	
Aroclor 1248	ND	0.500	"	"	"	"	"	"	
Aroclor 1254	ND	0.500	"	"	"	"	"	"	
Aroclor 1260	ND	0.500	"	"	"	"	"	"	
Aroclor 1262	ND	0.500	"	"	"	"	"	"	
Aroclor 1268	ND	0.500	"	"	"	"	"	"	
Surrogate: TCX	*92.7 %*	*25-129*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*72.4 %*	*22-125*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Polychlorinated Biphenyls by EPA Method 8082

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-04A (A4C0008-16) Soil Sampled: 03/18/04 15:40 Received: 03/19/04 08:40									**C-02**
Aroclor 1016	ND	25.0	ug/kg dry	1	4C25028	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	50.0	"	"	"	"	"	"	
Aroclor 1232	ND	25.0	"	"	"	"	"	"	
Aroclor 1242	ND	25.0	"	"	"	"	"	"	
Aroclor 1248	ND	25.0	"	"	"	"	"	"	
Aroclor 1254	ND	25.0	"	"	"	"	"	"	
Aroclor 1260	ND	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	25.0	"	"	"	"	"	"	
Aroclor 1268	ND	25.0	"	"	"	"	"	"	
Surrogate: TCX	*92.2 %*	*19-130*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*81.2 %*	*10-155*			"	"	"	"	
SHIP-SD-04B (A4C0008-18) Soil Sampled: 03/18/04 15:50 Received: 03/19/04 08:40									**C-02**
Aroclor 1016	ND	25.0	ug/kg dry	1	4C25028	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	50.0	"	"	"	"	"	"	
Aroclor 1232	ND	25.0	"	"	"	"	"	"	
Aroclor 1242	ND	25.0	"	"	"	"	"	"	
Aroclor 1248	ND	25.0	"	"	"	"	"	"	
Aroclor 1254	ND	25.0	"	"	"	"	"	"	
Aroclor 1260	ND	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	25.0	"	"	"	"	"	"	
Aroclor 1268	ND	25.0	"	"	"	"	"	"	
Surrogate: TCX	*94.3 %*	*19-130*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*84.6 %*	*10-155*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Polychlorinated Biphenyls by EPA Method 8082

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-05-F (A4C0008-19) Water	**Sampled: 03/18/04 16:40**		**Received: 03/19/04 08:40**						**C-02**
Aroclor 1016	ND	0.500	ug/l	1	4C25010	03/25/04	03/30/04	EPA 8082	
Aroclor 1221	ND	0.500	"	"	"	"	"	"	
Aroclor 1232	ND	0.500	"	"	"	"	"	"	
Aroclor 1242	ND	0.500	"	"	"	"	"	"	
Aroclor 1248	ND	0.500	"	"	"	"	"	"	
Aroclor 1254	ND	0.500	"	"	"	"	"	"	
Aroclor 1260	ND	0.500	"	"	"	"	"	"	
Aroclor 1262	ND	0.500	"	"	"	"	"	"	
Aroclor 1268	ND	0.500	"	"	"	"	"	"	
Surrogate: TCX	*90.1 %*	*25-129*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*71.3 %*	*22-125*			"	"	"	"	
SHIP-SW-05-U (A4C0008-20) Water	**Sampled: 03/18/04 16:50**		**Received: 03/19/04 08:40**						**C-02**
Aroclor 1016	ND	0.500	ug/l	1	4C25010	03/25/04	03/30/04	EPA 8082	
Aroclor 1221	ND	0.500	"	"	"	"	"	"	
Aroclor 1232	ND	0.500	"	"	"	"	"	"	
Aroclor 1242	ND	0.500	"	"	"	"	"	"	
Aroclor 1248	ND	0.500	"	"	"	"	"	"	
Aroclor 1254	ND	0.500	"	"	"	"	"	"	
Aroclor 1260	ND	0.500	"	"	"	"	"	"	
Aroclor 1262	ND	0.500	"	"	"	"	"	"	
Aroclor 1268	ND	0.500	"	"	"	"	"	"	
Surrogate: TCX	*91.7 %*	*25-129*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*74.0 %*	*22-125*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Polychlorinated Biphenyls by EPA Method 8082

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-05A (A4C0008-21) Soil	**Sampled: 03/18/04 16:55**	**Received: 03/19/04 08:40**							**C-02**
Aroclor 1016	ND	25.0	ug/kg dry	1	4C25028	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	50.0	"	"	"	"	"	"	
Aroclor 1232	ND	25.0	"	"	"	"	"	"	
Aroclor 1242	ND	25.0	"	"	"	"	"	"	
Aroclor 1248	ND	25.0	"	"	"	"	"	"	
Aroclor 1254	ND	25.0	"	"	"	"	"	"	
Aroclor 1260	ND	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	25.0	"	"	"	"	"	"	
Aroclor 1268	ND	25.0	"	"	"	"	"	"	
Surrogate: TCX	*92.7 %*	*19-130*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*80.9 %*	*10-155*			"	"	"	"	
SHIP-SD-05B (A4C0008-22) Soil	**Sampled: 03/18/04 17:00**	**Received: 03/19/04 08:40**							**C-02**
Aroclor 1016	ND	25.0	ug/kg dry	1	4C25028	03/25/04	03/29/04	EPA 8082	
Aroclor 1221	ND	50.0	"	"	"	"	"	"	
Aroclor 1232	ND	25.0	"	"	"	"	"	"	
Aroclor 1242	ND	25.0	"	"	"	"	"	"	
Aroclor 1248	ND	25.0	"	"	"	"	"	"	
Aroclor 1254	ND	25.0	"	"	"	"	"	"	
Aroclor 1260	ND	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	25.0	"	"	"	"	"	"	
Aroclor 1268	ND	25.0	"	"	"	"	"	"	
Surrogate: TCX	*94.4 %*	*19-130*			"	"	"	"	
Surrogate: Decachlorobiphenyl	*83.3 %*	*10-155*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-01-U (A4C0008-02) Water Sampled: 03/18/04 12:20 Received: 03/19/04 08:40									
Acetone	ND	20.0	ug/l	1	4C30054	03/30/04	03/30/04	EPA 8260B	
Benzene	ND	1.00	"	"	"	"	"	"	
Bromobenzene	ND	1.00	"	"	"	"	"	"	
Bromochloromethane	ND	1.00	"	"	"	"	"	"	
Bromodichloromethane	ND	1.00	"	"	"	"	"	"	
Bromoform	ND	1.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.00	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.00	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.00	"	"	"	"	"	"	
Carbon disulfide	ND	1.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.00	"	"	"	"	"	"	
Chlorobenzene	ND	1.00	"	"	"	"	"	"	
Chloroethane	ND	1.00	"	"	"	"	"	"	
Chloroform	ND	1.00	"	"	"	"	"	"	
Chloromethane	ND	5.00	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
Dibromochloromethane	ND	1.00	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.00	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.00	"	"	"	"	"	"	
Dibromomethane	ND	1.00	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.00	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-01-U (A4C0008-02) Water Sampled: 03/18/04 12:20 Received: 03/19/04 08:40									
1,1-Dichloropropene	ND	1.00	ug/l	1	4C30054	03/30/04	03/30/04	"	
cis-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.00	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	5.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
n-Propylbenzene	ND	1.00	"	"	"	"	"	"	
Styrene	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
Tetrachloroethene	ND	1.00	"	"	"	"	"	"	
Toluene	ND	1.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.00	"	"	"	"	"	"	
Trichloroethene	ND	1.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.00	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
Vinyl chloride	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	2.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*108 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*104 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*98.5 %*	*70-130*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-01A (A4C0008-03) Soil	**Sampled: 03/18/04 12:40**	**Received: 03/19/04 08:40**							X
Acetone	ND	0.366	mg/kg dry	1	4C29062	03/30/04	04/01/04	EPA 8260B	
Benzene	ND	0.0366	"	"	"	"	"	"	
Bromobenzene	ND	0.0366	"	"	"	"	"	"	
Bromochloromethane	ND	0.0366	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0366	"	"	"	"	"	"	
Bromoform	ND	0.0366	"	"	"	"	"	"	
Bromomethane	ND	0.0366	"	"	"	"	"	"	
2-Butanone	ND	0.366	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0366	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0366	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0366	"	"	"	"	"	"	
Carbon disulfide	ND	0.0366	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0366	"	"	"	"	"	"	
Chlorobenzene	ND	0.0366	"	"	"	"	"	"	
Chloroethane	ND	0.0366	"	"	"	"	"	"	
Chloroform	ND	0.0366	"	"	"	"	"	"	
Chloromethane	ND	0.183	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0366	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0366	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0366	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.183	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.0366	"	"	"	"	"	"	
Dibromomethane	ND	0.0366	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0366	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0366	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0366	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0366	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0366	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0366	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0366	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0366	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0366	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0366	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0366	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0366	"	"	"	"	"	"	

North Creek Analytical - Alaska

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-01A (A4C0008-03) Soil	**Sampled: 03/18/04 12:40**	**Received: 03/19/04 08:40**							X
1,1-Dichloropropene	ND	0.0366	mg/kg dry	1	4C29062	03/30/04	04/01/04	"	
cis-1,3-Dichloropropene	ND	0.0366	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0366	"	"	"	"	"	"	
Ethylbenzene	ND	0.0366	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0366	"	"	"	"	"	"	
2-Hexanone	ND	0.366	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0366	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0366	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	0.366	"	"	"	"	"	"	
Methylene chloride	ND	0.366	"	"	"	"	"	"	
Naphthalene	ND	0.0366	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0366	"	"	"	"	"	"	
Styrene	ND	0.0366	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0366	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0366	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0366	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0366	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0366	"	"	"	"	"	"	
Toluene	ND	0.0366	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0366	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0366	"	"	"	"	"	"	
Trichloroethene	ND	0.0366	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0366	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0366	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0366	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0366	"	"	"	"	"	"	
Vinyl chloride	ND	0.0366	"	"	"	"	"	"	
o-Xylene	ND	0.0366	"	"	"	"	"	"	
m,p-Xylene	ND	0.0732	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*99.3 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*111 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*116 %*	*70-130*			"	"	"	"	

North Creek Analytical - Alaska

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-01B (A4C0008-04) Soil Sampled: 03/18/04 12:45 Received: 03/19/04 08:40									
Acetone	ND	0.415	mg/kg dry	1	4C29062	03/30/04	04/01/04	EPA 8260B	
Benzene	ND	0.0415	"	"	"	"	"	"	
Bromobenzene	ND	0.0415	"	"	"	"	"	"	
Bromochloromethane	ND	0.0415	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0415	"	"	"	"	"	"	
Bromoform	ND	0.0415	"	"	"	"	"	"	
Bromomethane	ND	0.0415	"	"	"	"	"	"	
2-Butanone	ND	0.415	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0415	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0415	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0415	"	"	"	"	"	"	
Carbon disulfide	ND	0.0415	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0415	"	"	"	"	"	"	
Chlorobenzene	ND	0.0415	"	"	"	"	"	"	
Chloroethane	ND	0.0415	"	"	"	"	"	"	
Chloroform	ND	0.0415	"	"	"	"	"	"	
Chloromethane	ND	0.207	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0415	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0415	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0415	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.207	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.0415	"	"	"	"	"	"	
Dibromomethane	ND	0.0415	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0415	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0415	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0415	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0415	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0415	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0415	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0415	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0415	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0415	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0415	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0415	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0415	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Mike Priebe, Technical Services Manager

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-01B (A4C0008-04) Soil	**Sampled: 03/18/04 12:45**		**Received: 03/19/04 08:40**						
1,1-Dichloropropene	ND	0.0415	mg/kg dry	1	4C29062	03/30/04	04/01/04	"	
cis-1,3-Dichloropropene	ND	0.0415	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0415	"	"	"	"	"	"	
Ethylbenzene	ND	0.0415	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0415	"	"	"	"	"	"	
2-Hexanone	ND	0.415	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0415	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0415	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	0.415	"	"	"	"	"	"	
Methylene chloride	ND	0.415	"	"	"	"	"	"	
Naphthalene	ND	0.0415	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0415	"	"	"	"	"	"	
Styrene	ND	0.0415	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0415	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0415	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0415	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0415	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0415	"	"	"	"	"	"	
Toluene	ND	0.0415	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0415	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0415	"	"	"	"	"	"	
Trichloroethene	ND	0.0415	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0415	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0415	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0415	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0415	"	"	"	"	"	"	
Vinyl chloride	ND	0.0415	"	"	"	"	"	"	
o-Xylene	ND	0.0415	"	"	"	"	"	"	
m,p-Xylene	ND	0.0829	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*98.6 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*132 %*	*70-130*			"	"	"	"	*S-03*
Surrogate: 4-BFB	*124 %*	*70-130*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-02-U (A4C0008-06) Water Sampled: 03/18/04 13:50 Received: 03/19/04 08:40									
Acetone	ND	20.0	ug/l	1	4C30054	03/30/04	03/30/04	EPA 8260B	
Benzene	ND	1.00	"	"	"	"	"	"	
Bromobenzene	ND	1.00	"	"	"	"	"	"	
Bromochloromethane	ND	1.00	"	"	"	"	"	"	
Bromodichloromethane	ND	1.00	"	"	"	"	"	"	
Bromoform	ND	1.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.00	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.00	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.00	"	"	"	"	"	"	
Carbon disulfide	ND	1.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.00	"	"	"	"	"	"	
Chlorobenzene	ND	1.00	"	"	"	"	"	"	
Chloroethane	ND	1.00	"	"	"	"	"	"	
Chloroform	ND	1.00	"	"	"	"	"	"	
Chloromethane	ND	5.00	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
Dibromochloromethane	ND	1.00	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.00	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.00	"	"	"	"	"	"	
Dibromomethane	ND	1.00	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.00	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-02-U (A4C0008-06) Water Sampled: 03/18/04 13:50 Received: 03/19/04 08:40									
1,1-Dichloropropene	ND	1.00	ug/l	1	4C30054	03/30/04	03/30/04	"	
cis-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.00	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	5.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
n-Propylbenzene	ND	1.00	"	"	"	"	"	"	
Styrene	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
Tetrachloroethene	ND	1.00	"	"	"	"	"	"	
Toluene	ND	1.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.00	"	"	"	"	"	"	
Trichloroethene	ND	1.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.00	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
Vinyl chloride	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	2.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*104 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*99.0 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*101 %*	*70-130*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-02A (A4C0008-07) Soil Sampled: 03/18/04 14:00 Received: 03/19/04 08:40									
Acetone	ND	1.00	mg/kg dry	1	4C29062	03/30/04	04/01/04	EPA 8260B	
Benzene	ND	0.100	"	"	"	"	"	"	
Bromobenzene	ND	0.100	"	"	"	"	"	"	
Bromochloromethane	ND	0.100	"	"	"	"	"	"	
Bromodichloromethane	ND	0.100	"	"	"	"	"	"	
Bromoform	ND	0.100	"	"	"	"	"	"	
Bromomethane	ND	0.100	"	"	"	"	"	"	
2-Butanone	ND	1.00	"	"	"	"	"	"	
n-Butylbenzene	ND	0.100	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.100	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.100	"	"	"	"	"	"	
Carbon disulfide	ND	0.100	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.100	"	"	"	"	"	"	
Chlorobenzene	ND	0.100	"	"	"	"	"	"	
Chloroethane	ND	0.100	"	"	"	"	"	"	
Chloroform	ND	0.100	"	"	"	"	"	"	
Chloromethane	ND	0.500	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
Dibromochloromethane	ND	0.100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.100	"	"	"	"	"	"	
Dibromomethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	

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Mike Priebe, Technical Services Manager

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-02A (A4C0008-07) Soil	**Sampled: 03/18/04 14:00**	**Received: 03/19/04 08:40**							
1,1-Dichloropropene	ND	0.100	mg/kg dry	1	4C29062	03/30/04	04/01/04	"	
cis-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	ND	0.100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.100	"	"	"	"	"	"	
2-Hexanone	ND	1.00	"	"	"	"	"	"	
Isopropylbenzene	ND	0.100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.100	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1.00	"	"	"	"	"	"	
Methylene chloride	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	0.100	"	"	"	"	"	"	
n-Propylbenzene	ND	0.100	"	"	"	"	"	"	
Styrene	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
Tetrachloroethene	ND	0.100	"	"	"	"	"	"	
Toluene	ND	0.100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.100	"	"	"	"	"	"	
Trichloroethene	ND	0.100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
Vinyl chloride	ND	0.100	"	"	"	"	"	"	
o-Xylene	ND	0.100	"	"	"	"	"	"	
m,p-Xylene	ND	0.200	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*79.6 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*93.7 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*83.1 %*	*70-130*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-02B (A4C0008-08) Soil Sampled: 03/18/04 14:05 Received: 03/19/04 08:40									
Acetone	ND	1.00	mg/kg dry	1	4C29062	03/30/04	04/01/04	EPA 8260B	
Benzene	ND	0.100	"	"	"	"	"	"	
Bromobenzene	ND	0.100	"	"	"	"	"	"	
Bromochloromethane	ND	0.100	"	"	"	"	"	"	
Bromodichloromethane	ND	0.100	"	"	"	"	"	"	
Bromoform	ND	0.100	"	"	"	"	"	"	
Bromomethane	ND	0.100	"	"	"	"	"	"	
2-Butanone	ND	1.00	"	"	"	"	"	"	
n-Butylbenzene	ND	0.100	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.100	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.100	"	"	"	"	"	"	
Carbon disulfide	ND	0.100	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.100	"	"	"	"	"	"	
Chlorobenzene	ND	0.100	"	"	"	"	"	"	
Chloroethane	ND	0.100	"	"	"	"	"	"	
Chloroform	ND	0.100	"	"	"	"	"	"	
Chloromethane	ND	0.500	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
Dibromochloromethane	ND	0.100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.100	"	"	"	"	"	"	
Dibromomethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-02B (A4C0008-08) Soil	**Sampled: 03/18/04 14:05**	**Received: 03/19/04 08:40**							
1,1-Dichloropropene	ND	0.100	mg/kg dry	1	4C29062	03/30/04	04/01/04	"	
cis-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	ND	0.100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.100	"	"	"	"	"	"	
2-Hexanone	ND	1.00	"	"	"	"	"	"	
Isopropylbenzene	ND	0.100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.100	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1.00	"	"	"	"	"	"	
Methylene chloride	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	0.100	"	"	"	"	"	"	
n-Propylbenzene	ND	0.100	"	"	"	"	"	"	
Styrene	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
Tetrachloroethene	ND	0.100	"	"	"	"	"	"	
Toluene	ND	0.100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.100	"	"	"	"	"	"	
Trichloroethene	ND	0.100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
Vinyl chloride	ND	0.100	"	"	"	"	"	"	
o-Xylene	ND	0.100	"	"	"	"	"	"	
m,p-Xylene	ND	0.200	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*81.5 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*104 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*105 %*	*70-130*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-03-U (A4C0008-10) Water Sampled: 03/18/04 14:50 Received: 03/19/04 08:40									
Acetone	ND	20.0	ug/l	1	4C30054	03/30/04	03/30/04	EPA 8260B	
Benzene	ND	1.00	"	"	"	"	"	"	
Bromobenzene	ND	1.00	"	"	"	"	"	"	
Bromochloromethane	ND	1.00	"	"	"	"	"	"	
Bromodichloromethane	ND	1.00	"	"	"	"	"	"	
Bromoform	ND	1.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.00	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.00	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.00	"	"	"	"	"	"	
Carbon disulfide	ND	1.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.00	"	"	"	"	"	"	
Chlorobenzene	ND	1.00	"	"	"	"	"	"	
Chloroethane	ND	1.00	"	"	"	"	"	"	
Chloroform	ND	1.00	"	"	"	"	"	"	
Chloromethane	ND	5.00	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
Dibromochloromethane	ND	1.00	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.00	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.00	"	"	"	"	"	"	
Dibromomethane	ND	1.00	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.00	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-03-U (A4C0008-10) Water	**Sampled: 03/18/04 14:50**		**Received: 03/19/04 08:40**						
1,1-Dichloropropene	ND	1.00	ug/l	1	4C30054	03/30/04	03/30/04	"	
cis-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.00	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	5.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
n-Propylbenzene	ND	1.00	"	"	"	"	"	"	
Styrene	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
Tetrachloroethene	ND	1.00	"	"	"	"	"	"	
Toluene	ND	1.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.00	"	"	"	"	"	"	
Trichloroethene	ND	1.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.00	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
Vinyl chloride	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	2.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*106 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*99.0 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*102 %*	*70-130*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-03A (A4C0008-11) Soil Sampled: 03/18/04 15:00 Received: 03/19/04 08:40									
Acetone	ND	1.00	mg/kg dry	1	4C29062	03/30/04	03/31/04	EPA 8260B	
Benzene	ND	0.100	"	"	"	"	"	"	
Bromobenzene	ND	0.100	"	"	"	"	"	"	
Bromochloromethane	ND	0.100	"	"	"	"	"	"	
Bromodichloromethane	ND	0.100	"	"	"	"	"	"	
Bromoform	ND	0.100	"	"	"	"	"	"	
Bromomethane	ND	0.100	"	"	"	"	"	"	
2-Butanone	ND	1.00	"	"	"	"	"	"	
n-Butylbenzene	ND	0.100	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.100	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.100	"	"	"	"	"	"	
Carbon disulfide	ND	0.100	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.100	"	"	"	"	"	"	
Chlorobenzene	ND	0.100	"	"	"	"	"	"	
Chloroethane	ND	0.100	"	"	"	"	"	"	
Chloroform	ND	0.100	"	"	"	"	"	"	
Chloromethane	ND	0.500	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
Dibromochloromethane	ND	0.100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.100	"	"	"	"	"	"	
Dibromomethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Mike Priebe, Technical Services Manager

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-03A (A4C0008-11) Soil	**Sampled: 03/18/04 15:00**	**Received: 03/19/04 08:40**							
1,1-Dichloropropene	ND	0.100	mg/kg dry	1	4C29062	03/30/04	03/31/04	"	
cis-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	ND	0.100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.100	"	"	"	"	"	"	
2-Hexanone	ND	1.00	"	"	"	"	"	"	
Isopropylbenzene	ND	0.100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.100	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1.00	"	"	"	"	"	"	
Methylene chloride	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	0.100	"	"	"	"	"	"	
n-Propylbenzene	ND	0.100	"	"	"	"	"	"	
Styrene	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
Tetrachloroethene	ND	0.100	"	"	"	"	"	"	
Toluene	ND	0.100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.100	"	"	"	"	"	"	
Trichloroethene	ND	0.100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
Vinyl chloride	ND	0.100	"	"	"	"	"	"	
o-Xylene	ND	0.100	"	"	"	"	"	"	
m,p-Xylene	ND	0.200	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*87.8 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*90.1 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*91.4 %*	*70-130*			"	"	"	"	

North Creek Analytical - Alaska

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-03B (A4C0008-12) Soil	**Sampled: 03/18/04 15:05**	**Received: 03/19/04 08:40**							
Acetone	ND	1.00	mg/kg dry	1	4C29062	03/30/04	03/31/04	EPA 8260B	
Benzene	ND	0.100	"	"	"	"	"	"	
Bromobenzene	ND	0.100	"	"	"	"	"	"	
Bromochloromethane	ND	0.100	"	"	"	"	"	"	
Bromodichloromethane	ND	0.100	"	"	"	"	"	"	
Bromoform	ND	0.100	"	"	"	"	"	"	
Bromomethane	ND	0.100	"	"	"	"	"	"	
2-Butanone	ND	1.00	"	"	"	"	"	"	
n-Butylbenzene	ND	0.100	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.100	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.100	"	"	"	"	"	"	
Carbon disulfide	ND	0.100	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.100	"	"	"	"	"	"	
Chlorobenzene	ND	0.100	"	"	"	"	"	"	
Chloroethane	ND	0.100	"	"	"	"	"	"	
Chloroform	ND	0.100	"	"	"	"	"	"	
Chloromethane	ND	0.500	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
Dibromochloromethane	ND	0.100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.100	"	"	"	"	"	"	
Dibromomethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-03B (A4C0008-12) Soil Sampled: 03/18/04 15:05 Received: 03/19/04 08:40									
1,1-Dichloropropene	ND	0.100	mg/kg dry	1	4C29062	03/30/04	03/31/04	"	
cis-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	ND	0.100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.100	"	"	"	"	"	"	
2-Hexanone	ND	1.00	"	"	"	"	"	"	
Isopropylbenzene	ND	0.100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.100	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1.00	"	"	"	"	"	"	
Methylene chloride	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	0.100	"	"	"	"	"	"	
n-Propylbenzene	ND	0.100	"	"	"	"	"	"	
Styrene	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
Tetrachloroethene	ND	0.100	"	"	"	"	"	"	
Toluene	ND	0.100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.100	"	"	"	"	"	"	
Trichloroethene	ND	0.100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
Vinyl chloride	ND	0.100	"	"	"	"	"	"	
o-Xylene	ND	0.100	"	"	"	"	"	"	
m,p-Xylene	ND	0.200	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*92.4 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*86.9 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*86.4 %*	*70-130*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-041-F (A4C0008-14) Water Sampled: 03/18/04 15:25 Received: 03/19/04 08:40									
Acetone	ND	20.0	ug/l	1	4C30054	03/30/04	03/30/04	EPA 8260B	
Benzene	ND	1.00	"	"	"	"	"	"	
Bromobenzene	ND	1.00	"	"	"	"	"	"	
Bromochloromethane	ND	1.00	"	"	"	"	"	"	
Bromodichloromethane	ND	1.00	"	"	"	"	"	"	
Bromoform	ND	1.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.00	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.00	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.00	"	"	"	"	"	"	
Carbon disulfide	ND	1.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.00	"	"	"	"	"	"	
Chlorobenzene	ND	1.00	"	"	"	"	"	"	
Chloroethane	ND	1.00	"	"	"	"	"	"	
Chloroform	ND	1.00	"	"	"	"	"	"	
Chloromethane	ND	5.00	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
Dibromochloromethane	ND	1.00	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.00	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.00	"	"	"	"	"	"	
Dibromomethane	ND	1.00	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.00	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-041-F (A4C0008-14) Water Sampled: 03/18/04 15:25 Received: 03/19/04 08:40									
1,1-Dichloropropene	ND	1.00	ug/l	1	4C30054	03/30/04	03/30/04	"	
cis-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.00	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	5.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
n-Propylbenzene	ND	1.00	"	"	"	"	"	"	
Styrene	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
Tetrachloroethene	ND	1.00	"	"	"	"	"	"	
Toluene	ND	1.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.00	"	"	"	"	"	"	
Trichloroethene	ND	1.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.00	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
Vinyl chloride	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	2.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*105 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*98.5 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*99.5 %*	*70-130*			"	"	"	"	

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-04-U (A4C0008-15) Water Sampled: 03/18/04 15:30 Received: 03/19/04 08:40									
Acetone	ND	20.0	ug/l	1	4C30054	03/30/04	03/30/04	EPA 8260B	
Benzene	ND	1.00	"	"	"	"	"	"	
Bromobenzene	ND	1.00	"	"	"	"	"	"	
Bromochloromethane	ND	1.00	"	"	"	"	"	"	
Bromodichloromethane	ND	1.00	"	"	"	"	"	"	
Bromoform	ND	1.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.00	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.00	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.00	"	"	"	"	"	"	
Carbon disulfide	ND	1.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.00	"	"	"	"	"	"	
Chlorobenzene	ND	1.00	"	"	"	"	"	"	
Chloroethane	ND	1.00	"	"	"	"	"	"	
Chloroform	ND	1.00	"	"	"	"	"	"	
Chloromethane	ND	5.00	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
Dibromochloromethane	ND	1.00	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.00	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.00	"	"	"	"	"	"	
Dibromomethane	ND	1.00	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.00	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	

North Creek Analytical - Alaska

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-04-U (A4C0008-15) Water Sampled: 03/18/04 15:30 Received: 03/19/04 08:40									
1,1-Dichloropropene	ND	1.00	ug/l	1	4C30054	03/30/04	03/30/04	"	
cis-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.00	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	5.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
n-Propylbenzene	ND	1.00	"	"	"	"	"	"	
Styrene	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
Tetrachloroethene	ND	1.00	"	"	"	"	"	"	
Toluene	ND	1.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.00	"	"	"	"	"	"	
Trichloroethene	ND	1.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.00	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
Vinyl chloride	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	2.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*108 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*100 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*101 %*	*70-130*			"	"	"	"	

North Creek Analytical - Alaska

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-04A (A4C0008-16) Soil Sampled: 03/18/04 15:40 Received: 03/19/04 08:40									
Acetone	ND	1.00	mg/kg dry	1	4C29062	03/30/04	03/31/04	EPA 8260B	
Benzene	ND	0.100	"	"	"	"	"	"	
Bromobenzene	ND	0.100	"	"	"	"	"	"	
Bromochloromethane	ND	0.100	"	"	"	"	"	"	
Bromodichloromethane	ND	0.100	"	"	"	"	"	"	
Bromoform	ND	0.100	"	"	"	"	"	"	
Bromomethane	ND	0.100	"	"	"	"	"	"	
2-Butanone	ND	1.00	"	"	"	"	"	"	
n-Butylbenzene	ND	0.100	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.100	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.100	"	"	"	"	"	"	
Carbon disulfide	ND	0.100	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.100	"	"	"	"	"	"	
Chlorobenzene	ND	0.100	"	"	"	"	"	"	
Chloroethane	ND	0.100	"	"	"	"	"	"	
Chloroform	ND	0.100	"	"	"	"	"	"	
Chloromethane	ND	0.500	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
Dibromochloromethane	ND	0.100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.100	"	"	"	"	"	"	
Dibromomethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-04A (A4C0008-16) Soil Sampled: 03/18/04 15:40 Received: 03/19/04 08:40									
1,1-Dichloropropene	ND	0.100	mg/kg dry	1	4C29062	03/30/04	03/31/04	"	
cis-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	ND	0.100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.100	"	"	"	"	"	"	
2-Hexanone	ND	1.00	"	"	"	"	"	"	
Isopropylbenzene	ND	0.100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.100	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1.00	"	"	"	"	"	"	
Methylene chloride	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	0.100	"	"	"	"	"	"	
n-Propylbenzene	ND	0.100	"	"	"	"	"	"	
Styrene	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
Tetrachloroethene	ND	0.100	"	"	"	"	"	"	
Toluene	ND	0.100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.100	"	"	"	"	"	"	
Trichloroethene	ND	0.100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
Vinyl chloride	ND	0.100	"	"	"	"	"	"	
o-Xylene	ND	0.100	"	"	"	"	"	"	
m,p-Xylene	ND	0.200	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*89.9 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*119 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*109 %*	*70-130*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-041-A (A4C0008-17) Soil Sampled: 03/18/04 15:45 Received: 03/19/04 08:40									
Acetone	ND	1.00	mg/kg dry	1	4C29062	03/30/04	03/31/04	EPA 8260B	
Benzene	ND	0.100	"	"	"	"	"	"	
Bromobenzene	ND	0.100	"	"	"	"	"	"	
Bromochloromethane	ND	0.100	"	"	"	"	"	"	
Bromodichloromethane	ND	0.100	"	"	"	"	"	"	
Bromoform	ND	0.100	"	"	"	"	"	"	
Bromomethane	ND	0.100	"	"	"	"	"	"	
2-Butanone	ND	1.00	"	"	"	"	"	"	
n-Butylbenzene	ND	0.100	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.100	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.100	"	"	"	"	"	"	
Carbon disulfide	ND	0.100	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.100	"	"	"	"	"	"	
Chlorobenzene	ND	0.100	"	"	"	"	"	"	
Chloroethane	ND	0.100	"	"	"	"	"	"	
Chloroform	ND	0.100	"	"	"	"	"	"	
Chloromethane	ND	0.500	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
Dibromochloromethane	ND	0.100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.100	"	"	"	"	"	"	
Dibromomethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-041-A (A4C0008-17) Soil Sampled: 03/18/04 15:45 Received: 03/19/04 08:40									
1,1-Dichloropropene	ND	0.100	mg/kg dry	1	4C29062	03/30/04	03/31/04	"	
cis-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	ND	0.100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.100	"	"	"	"	"	"	
2-Hexanone	ND	1.00	"	"	"	"	"	"	
Isopropylbenzene	ND	0.100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.100	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1.00	"	"	"	"	"	"	
Methylene chloride	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	0.100	"	"	"	"	"	"	
n-Propylbenzene	ND	0.100	"	"	"	"	"	"	
Styrene	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
Tetrachloroethene	ND	0.100	"	"	"	"	"	"	
Toluene	ND	0.100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.100	"	"	"	"	"	"	
Trichloroethene	ND	0.100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
Vinyl chloride	ND	0.100	"	"	"	"	"	"	
o-Xylene	ND	0.100	"	"	"	"	"	"	
m,p-Xylene	ND	0.200	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*80.5 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*84.6 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*101 %*	*70-130*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-04B (A4C0008-18) Soil Sampled: 03/18/04 15:50 Received: 03/19/04 08:40									
Acetone	ND	1.00	mg/kg dry	1	4C29062	03/30/04	03/31/04	EPA 8260B	
Benzene	ND	0.100	"	"	"	"	"	"	
Bromobenzene	ND	0.100	"	"	"	"	"	"	
Bromochloromethane	ND	0.100	"	"	"	"	"	"	
Bromodichloromethane	ND	0.100	"	"	"	"	"	"	
Bromoform	ND	0.100	"	"	"	"	"	"	
Bromomethane	ND	0.100	"	"	"	"	"	"	
2-Butanone	ND	1.00	"	"	"	"	"	"	
n-Butylbenzene	ND	0.100	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.100	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.100	"	"	"	"	"	"	
Carbon disulfide	ND	0.100	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.100	"	"	"	"	"	"	
Chlorobenzene	ND	0.100	"	"	"	"	"	"	
Chloroethane	ND	0.100	"	"	"	"	"	"	
Chloroform	ND	0.100	"	"	"	"	"	"	
Chloromethane	ND	0.500	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
Dibromochloromethane	ND	0.100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.100	"	"	"	"	"	"	
Dibromomethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	

North Creek Analytical - Alaska

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-04B (A4C0008-18) Soil Sampled: 03/18/04 15:50 Received: 03/19/04 08:40									
1,1-Dichloropropene	ND	0.100	mg/kg dry	1	4C29062	03/30/04	03/31/04	"	
cis-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	ND	0.100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.100	"	"	"	"	"	"	
2-Hexanone	ND	1.00	"	"	"	"	"	"	
Isopropylbenzene	ND	0.100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.100	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1.00	"	"	"	"	"	"	
Methylene chloride	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	0.100	"	"	"	"	"	"	
n-Propylbenzene	ND	0.100	"	"	"	"	"	"	
Styrene	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
Tetrachloroethene	ND	0.100	"	"	"	"	"	"	
Toluene	ND	0.100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.100	"	"	"	"	"	"	
Trichloroethene	ND	0.100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
Vinyl chloride	ND	0.100	"	"	"	"	"	"	
o-Xylene	ND	0.100	"	"	"	"	"	"	
m,p-Xylene	ND	0.200	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*99.6 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*93.8 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*79.8 %*	*70-130*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-05-U (A4C0008-20) Water Sampled: 03/18/04 16:50 Received: 03/19/04 08:40									
Acetone	ND	20.0	ug/l	1	4C30054	03/30/04	03/30/04	EPA 8260B	
Benzene	ND	1.00	"	"	"	"	"	"	
Bromobenzene	ND	1.00	"	"	"	"	"	"	
Bromochloromethane	ND	1.00	"	"	"	"	"	"	
Bromodichloromethane	ND	1.00	"	"	"	"	"	"	
Bromoform	ND	1.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.00	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.00	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.00	"	"	"	"	"	"	
Carbon disulfide	ND	1.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.00	"	"	"	"	"	"	
Chlorobenzene	ND	1.00	"	"	"	"	"	"	
Chloroethane	ND	1.00	"	"	"	"	"	"	
Chloroform	ND	1.00	"	"	"	"	"	"	
Chloromethane	ND	5.00	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.00	"	"	"	"	"	"	
Dibromochloromethane	ND	1.00	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.00	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.00	"	"	"	"	"	"	
Dibromomethane	ND	1.00	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.00	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.00	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.00	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-05-U (A4C0008-20) Water Sampled: 03/18/04 16:50 Received: 03/19/04 08:40									
1,1-Dichloropropene	ND	1.00	ug/l	1	4C30054	03/30/04	03/30/04	"	
cis-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.00	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	5.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
n-Propylbenzene	ND	1.00	"	"	"	"	"	"	
Styrene	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.00	"	"	"	"	"	"	
Tetrachloroethene	ND	1.00	"	"	"	"	"	"	
Toluene	ND	1.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.00	"	"	"	"	"	"	
Trichloroethene	ND	1.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.00	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.00	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	"	"	"	
Vinyl chloride	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	2.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*106 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*102 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*102 %*	*70-130*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-05A (A4C0008-21) Soil Sampled: 03/18/04 16:55 Received: 03/19/04 08:40									X
Acetone	ND	1.00	mg/kg dry	1	4C29062	03/30/04	04/01/04	EPA 8260B	
Benzene	ND	0.100	"	"	"	"	"	"	
Bromobenzene	ND	0.100	"	"	"	"	"	"	
Bromochloromethane	ND	0.100	"	"	"	"	"	"	
Bromodichloromethane	ND	0.100	"	"	"	"	"	"	
Bromoform	ND	0.100	"	"	"	"	"	"	
Bromomethane	ND	0.100	"	"	"	"	"	"	
2-Butanone	ND	1.00	"	"	"	"	"	"	
n-Butylbenzene	ND	0.100	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.100	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.100	"	"	"	"	"	"	
Carbon disulfide	ND	0.100	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.100	"	"	"	"	"	"	
Chlorobenzene	ND	0.100	"	"	"	"	"	"	
Chloroethane	ND	0.100	"	"	"	"	"	"	
Chloroform	ND	0.100	"	"	"	"	"	"	
Chloromethane	ND	0.500	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
Dibromochloromethane	ND	0.100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.100	"	"	"	"	"	"	
Dibromomethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street; Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-05A (A4C0008-21) Soil	**Sampled: 03/18/04 16:55**	**Received: 03/19/04 08:40**							**X**
1,1-Dichloropropene	ND	0.100	mg/kg dry	1	4C29062	03/30/04	04/01/04	"	
cis-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	ND	0.100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.100	"	"	"	"	"	"	
2-Hexanone	ND	1.00	"	"	"	"	"	"	
Isopropylbenzene	ND	0.100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.100	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1.00	"	"	"	"	"	"	
Methylene chloride	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	0.100	"	"	"	"	"	"	
n-Propylbenzene	ND	0.100	"	"	"	"	"	"	
Styrene	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
Tetrachloroethene	ND	0.100	"	"	"	"	"	"	
Toluene	**0.473**	0.100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.100	"	"	"	"	"	"	
Trichloroethene	ND	0.100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
Vinyl chloride	ND	0.100	"	"	"	"	"	"	
o-Xylene	ND	0.100	"	"	"	"	"	"	
m,p-Xylene	ND	0.200	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*89.2 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*128 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*84.0 %*	*70-130*			"	"	"	"	

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-05B (A4C0008-22) Soil Sampled: 03/18/04 17:00 Received: 03/19/04 08:40									X
Acetone	ND	1.00	mg/kg dry	1	4C29062	03/30/04	04/01/04	EPA 8260B	
Benzene	ND	0.100	"	"	"	"	"	"	
Bromobenzene	ND	0.100	"	"	"	"	"	"	
Bromochloromethane	ND	0.100	"	"	"	"	"	"	
Bromodichloromethane	ND	0.100	"	"	"	"	"	"	
Bromoform	ND	0.100	"	"	"	"	"	"	
Bromomethane	ND	0.100	"	"	"	"	"	"	
2-Butanone	ND	1.00	"	"	"	"	"	"	
n-Butylbenzene	ND	0.100	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.100	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.100	"	"	"	"	"	"	
Carbon disulfide	ND	0.100	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.100	"	"	"	"	"	"	
Chlorobenzene	ND	0.100	"	"	"	"	"	"	
Chloroethane	ND	0.100	"	"	"	"	"	"	
Chloroform	ND	0.100	"	"	"	"	"	"	
Chloromethane	ND	0.500	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.100	"	"	"	"	"	"	
Dibromochloromethane	ND	0.100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.100	"	"	"	"	"	"	
Dibromomethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.100	"	"	"	"	"	"	

North Creek Analytical - Alaska

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-05B (A4C0008-22) Soil	**Sampled: 03/18/04 17:00**	**Received: 03/19/04 08:40**							**X**
1,1-Dichloropropene	ND	0.100	mg/kg dry	1	4C29062	03/30/04	04/01/04	"	
cis-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	ND	0.100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.100	"	"	"	"	"	"	
2-Hexanone	ND	1.00	"	"	"	"	"	"	
Isopropylbenzene	ND	0.100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.100	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1.00	"	"	"	"	"	"	
Methylene chloride	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	0.100	"	"	"	"	"	"	
n-Propylbenzene	ND	0.100	"	"	"	"	"	"	
Styrene	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.100	"	"	"	"	"	"	
Tetrachloroethene	ND	0.100	"	"	"	"	"	"	
Toluene	**0.137**	0.100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.100	"	"	"	"	"	"	
Trichloroethene	ND	0.100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.100	"	"	"	"	"	"	
Vinyl chloride	ND	0.100	"	"	"	"	"	"	
o-Xylene	ND	0.100	"	"	"	"	"	"	
m,p-Xylene	ND	0.200	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4	*88.3 %*	*70-130*			"	"	"	"	
Surrogate: Toluene-d8	*105 %*	*70-130*			"	"	"	"	
Surrogate: 4-BFB	*79.7 %*	*70-130*			"	"	"	"	

North Creek Analytical - Alaska

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-01-F (A4C0008-01) Water	**Sampled: 03/18/04 12:00**		**Received: 03/19/04 08:40**						
Acenaphthene	ND	10.0	ug/l	1	4C25011	03/25/04	03/29/04	EPA 8270C	
Acenaphthylene	ND	10.0	"	"	"	"	"	"	
Anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	10.0	"	"	"	"	"	"	
Benzyl alcohol	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	50.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10.0	"	"	"	"	"	"	
Carbazole	ND	10.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Chrysene	ND	10.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	10.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10.0	"	"	"	"	"	"	
Dibenzofuran	ND	10.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10.0	"	"	"	"	"	"	
Diethyl phthalate	ND	10.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	10.0	"	"	"	"	"	"	
Fluorene	ND	10.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	10.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10.0	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-01-F (A4C0008-01) Water Sampled: 03/18/04 12:00 Received: 03/19/04 08:40									
Hexachlorocyclopentadiene	ND	10.0	ug/l	1	4C25011	03/25/04	03/29/04	"	
Hexachloroethane	ND	10.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10.0	"	"	"	"	"	"	
Isophorone	ND	10.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10.0	"	"	"	"	"	"	
Naphthalene	ND	10.0	"	"	"	"	"	"	
Nitrobenzene	ND	10.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10.0	"	"	"	"	"	"	
Phenanthrene	ND	10.0	"	"	"	"	"	"	
Pyrene	ND	10.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10.0	"	"	"	"	"	"	
Surrogate: 2-FBP	*84.0 %*	*41-129*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*83.0 %*	*44-124*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*88.8 %*	*10-132*			"	"	"	"	
SHIP-SW-01-U (A4C0008-02) Water Sampled: 03/18/04 12:20 Received: 03/19/04 08:40									
Acenaphthene	ND	10.0	ug/l	1	4C25011	03/25/04	03/29/04	EPA 8270C	
Acenaphthylene	ND	10.0	"	"	"	"	"	"	
Anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	10.0	"	"	"	"	"	"	
Benzyl alcohol	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	50.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10.0	"	"	"	"	"	"	
Carbazole	ND	10.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-01-U (A4C0008-02) Water Sampled: 03/18/04 12:20 Received: 03/19/04 08:40									
Chrysene	ND	10.0	ug/l	1	4C25011	03/25/04	03/29/04	"	
Di-n-butyl phthalate	ND	10.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10.0	"	"	"	"	"	"	
Dibenzofuran	ND	10.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10.0	"	"	"	"	"	"	
Diethyl phthalate	ND	10.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	10.0	"	"	"	"	"	"	
Fluorene	ND	10.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	10.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10.0	"	"	"	"	"	"	
Hexachloroethane	ND	10.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10.0	"	"	"	"	"	"	
Isophorone	ND	10.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10.0	"	"	"	"	"	"	
Naphthalene	ND	10.0	"	"	"	"	"	"	
Nitrobenzene	ND	10.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10.0	"	"	"	"	"	"	
Phenanthrene	ND	10.0	"	"	"	"	"	"	
Pyrene	ND	10.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10.0	"	"	"	"	"	"	
Surrogate: 2-FBP	*91.9 %*	*41-129*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*78.2 %*	*44-124*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*85.2 %*	*10-132*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc.	Project: Ship Creek	
2550 Denali Street, Suite 705	Project Number: [none]	**Reported:**
Anchorage, AK/USA 99503	Project Manager: Frank Marley	05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-01A (A4C0008-03) Soil Sampled: 03/18/04 12:40 Received: 03/19/04 08:40									
Acenaphthene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/02/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	"	"	"	"	"	
Anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.330	"	"	"	"	"	"	
Benzyl alcohol	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	**0.371**	0.330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.330	"	"	"	"	"	"	
Carbazole	ND	0.330	"	"	"	"	"	"	
4-Chloroaniline	ND	0.500	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Chrysene	ND	0.330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.330	"	"	"	"	"	"	
Dibenzofuran	ND	0.330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
Diethyl phthalate	ND	0.330	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.330	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
Fluoranthene	ND	0.330	"	"	"	"	"	"	
Fluorene	ND	0.330	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.330	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-01A (A4C0008-03) Soil Sampled: 03/18/04 12:40 Received: 03/19/04 08:40									
Hexachlorocyclopentadiene	ND	0.500	mg/kg dry	1	4C25014	03/25/04	04/02/04	"	
Hexachloroethane	ND	0.330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.330	"	"	"	"	"	"	
Isophorone	ND	0.330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.330	"	"	"	"	"	"	
Naphthalene	ND	0.330	"	"	"	"	"	"	
Nitrobenzene	ND	0.330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.330	"	"	"	"	"	"	
Phenanthrene	ND	0.330	"	"	"	"	"	"	
Pyrene	ND	0.330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.330	"	"	"	"	"	"	
Surrogate: 2-FBP	*66.5 %*	*36-146*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*80.3 %*	*48-127*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*97.8 %*	*44-144*			"	"	"	"	
SHIP-SD-01B (A4C0008-04) Soil Sampled: 03/18/04 12:45 Received: 03/19/04 08:40									
Acenaphthene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/02/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	"	"	"	"	"	
Anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.330	"	"	"	"	"	"	
Benzyl alcohol	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.330	"	"	"	"	"	"	
Carbazole	ND	0.330	"	"	"	"	"	"	
4-Chloroaniline	ND	0.500	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-01B (A4C0008-04) Soil	**Sampled: 03/18/04 12:45**		**Received: 03/19/04 08:40**						
Chrysene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/02/04	"	
Di-n-butyl phthalate	ND	0.330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.330	"	"	"	"	"	"	
Dibenzofuran	ND	0.330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
Diethyl phthalate	ND	0.330	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.330	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
Fluoranthene	ND	0.330	"	"	"	"	"	"	
Fluorene	ND	0.330	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.500	"	"	"	"	"	"	
Hexachloroethane	ND	0.330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.330	"	"	"	"	"	"	
Isophorone	ND	0.330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.330	"	"	"	"	"	"	
Naphthalene	ND	0.330	"	"	"	"	"	"	
Nitrobenzene	ND	0.330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.330	"	"	"	"	"	"	
Phenanthrene	ND	0.330	"	"	"	"	"	"	
Pyrene	ND	0.330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.330	"	"	"	"	"	"	
Surrogate: 2-FBP	*58.4 %*	*36-146*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*66.6 %*	*48-127*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*90.8 %*	*44-144*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-02-F (A4C0008-05) Water Sampled: 03/18/04 13:40 Received: 03/19/04 08:40									
Acenaphthene	ND	10.0	ug/l	1	4C25011	03/25/04	03/29/04	EPA 8270C	
Acenaphthylene	ND	10.0	"	"	"	"	"	"	
Anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	10.0	"	"	"	"	"	"	
Benzyl alcohol	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	50.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10.0	"	"	"	"	"	"	
Carbazole	ND	10.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Chrysene	ND	10.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	10.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10.0	"	"	"	"	"	"	
Dibenzofuran	ND	10.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10.0	"	"	"	"	"	"	
Diethyl phthalate	ND	10.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	10.0	"	"	"	"	"	"	
Fluorene	ND	10.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	10.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10.0	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-02-F (A4C0008-05) Water Sampled: 03/18/04 13:40 Received: 03/19/04 08:40									
Hexachlorocyclopentadiene	ND	10.0	ug/l	1	4C25011	03/25/04	03/29/04	"	
Hexachloroethane	ND	10.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10.0	"	"	"	"	"	"	
Isophorone	ND	10.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10.0	"	"	"	"	"	"	
Naphthalene	ND	10.0	"	"	"	"	"	"	
Nitrobenzene	ND	10.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10.0	"	"	"	"	"	"	
Phenanthrene	ND	10.0	"	"	"	"	"	"	
Pyrene	ND	10.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10.0	"	"	"	"	"	"	
Surrogate: 2-FBP	*82.9 %*	*41-129*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*72.5 %*	*44-124*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*87.3 %*	*10-132*			"	"	"	"	
SHIP-SW-02-U (A4C0008-06) Water Sampled: 03/18/04 13:50 Received: 03/19/04 08:40									
Acenaphthene	ND	10.0	ug/l	1	4C25011	03/25/04	03/29/04	EPA 8270C	
Acenaphthylene	ND	10.0	"	"	"	"	"	"	
Anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	10.0	"	"	"	"	"	"	
Benzyl alcohol	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	50.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10.0	"	"	"	"	"	"	
Carbazole	ND	10.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-02-U (A4C0008-06) Water Sampled: 03/18/04 13:50 Received: 03/19/04 08:40									
Chrysene	ND	10.0	ug/l	1	4C25011	03/25/04	03/29/04	"	
Di-n-butyl phthalate	ND	10.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10.0	"	"	"	"	"	"	
Dibenzofuran	ND	10.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10.0	"	"	"	"	"	"	
Diethyl phthalate	ND	10.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	10.0	"	"	"	"	"	"	
Fluorene	ND	10.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	10.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10.0	"	"	"	"	"	"	
Hexachloroethane	ND	10.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10.0	"	"	"	"	"	"	
Isophorone	ND	10.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10.0	"	"	"	"	"	"	
Naphthalene	ND	10.0	"	"	"	"	"	"	
Nitrobenzene	ND	10.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10.0	"	"	"	"	"	"	
Phenanthrene	ND	10.0	"	"	"	"	"	"	
Pyrene	ND	10.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10.0	"	"	"	"	"	"	
Surrogate: 2-FBP	*88.9 %*	*41-129*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*90.3 %*	*44-124*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*78.0 %*	*10-132*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-02A (A4C0008-07) Soil Sampled: 03/18/04 14:00 Received: 03/19/04 08:40									
Acenaphthene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/02/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	"	"	"	"	"	
Anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.330	"	"	"	"	"	"	
Benzyl alcohol	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.330	"	"	"	"	"	"	
Carbazole	ND	0.330	"	"	"	"	"	"	
4-Chloroaniline	ND	0.500	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Chrysene	ND	0.330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.330	"	"	"	"	"	"	
Dibenzofuran	ND	0.330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
Diethyl phthalate	ND	0.330	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.330	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
Fluoranthene	ND	0.330	"	"	"	"	"	"	
Fluorene	ND	0.330	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.330	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-02A (A4C0008-07) Soil Sampled: 03/18/04 14:00 Received: 03/19/04 08:40									
Hexachlorocyclopentadiene	ND	0.500	mg/kg dry	1	4C25014	03/25/04	04/02/04	"	
Hexachloroethane	ND	0.330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.330	"	"	"	"	"	"	
Isophorone	ND	0.330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.330	"	"	"	"	"	"	
Naphthalene	ND	0.330	"	"	"	"	"	"	
Nitrobenzene	ND	0.330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.330	"	"	"	"	"	"	
Phenanthrene	ND	0.330	"	"	"	"	"	"	
Pyrene	ND	0.330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.330	"	"	"	"	"	"	
Surrogate: 2-FBP	*72.2 %*	*36-146*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*83.3 %*	*48-127*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*94.6 %*	*44-144*			"	"	"	"	
SHIP-SD-02B (A4C0008-08) Soil Sampled: 03/18/04 14:05 Received: 03/19/04 08:40									
Acenaphthene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/02/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	"	"	"	"	"	
Anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.330	"	"	"	"	"	"	
Benzyl alcohol	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.330	"	"	"	"	"	"	
Carbazole	ND	0.330	"	"	"	"	"	"	
4-Chloroaniline	ND	0.500	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	

North Creek Analytical - Alaska

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-02B (A4C0008-08) Soil	**Sampled: 03/18/04 14:05**		**Received: 03/19/04 08:40**						
Chrysene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/02/04	"	
Di-n-butyl phthalate	ND	0.330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.330	"	"	"	"	"	"	
Dibenzofuran	ND	0.330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
Diethyl phthalate	ND	0.330	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.330	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
Fluoranthene	ND	0.330	"	"	"	"	"	"	
Fluorene	ND	0.330	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.500	"	"	"	"	"	"	
Hexachloroethane	ND	0.330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.330	"	"	"	"	"	"	
Isophorone	ND	0.330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.330	"	"	"	"	"	"	
Naphthalene	ND	0.330	"	"	"	"	"	"	
Nitrobenzene	ND	0.330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.330	"	"	"	"	"	"	
Phenanthrene	ND	0.330	"	"	"	"	"	"	
Pyrene	ND	0.330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.330	"	"	"	"	"	"	
Surrogate: 2-FBP	*61.9 %*	*36-146*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*85.8 %*	*48-127*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*96.6 %*	*44-144*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-03-F (A4C0008-09) Water Sampled: 03/18/04 14:40 Received: 03/19/04 08:40									
Acenaphthene	ND	10.0	ug/l	1	4C25011	03/25/04	03/29/04	EPA 8270C	
Acenaphthylene	ND	10.0	"	"	"	"	"	"	
Anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	10.0	"	"	"	"	"	"	
Benzyl alcohol	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	50.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10.0	"	"	"	"	"	"	
Carbazole	ND	10.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Chrysene	ND	10.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	10.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10.0	"	"	"	"	"	"	
Dibenzofuran	ND	10.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10.0	"	"	"	"	"	"	
Diethyl phthalate	ND	10.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	10.0	"	"	"	"	"	"	
Fluorene	ND	10.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	10.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10.0	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-03-F (A4C0008-09) Water Sampled: 03/18/04 14:40 Received: 03/19/04 08:40									
Hexachlorocyclopentadiene	ND	10.0	ug/l	1	4C25011	03/25/04	03/29/04	"	
Hexachloroethane	ND	10.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10.0	"	"	"	"	"	"	
Isophorone	ND	10.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10.0	"	"	"	"	"	"	
Naphthalene	ND	10.0	"	"	"	"	"	"	
Nitrobenzene	ND	10.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10.0	"	"	"	"	"	"	
Phenanthrene	ND	10.0	"	"	"	"	"	"	
Pyrene	ND	10.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10.0	"	"	"	"	"	"	
Surrogate: 2-FBP	*84.5 %*	*41-129*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*80.0 %*	*44-124*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*86.0 %*	*10-132*			"	"	"	"	
SHIP-SW-03-U (A4C0008-10) Water Sampled: 03/18/04 14:50 Received: 03/19/04 08:40									
Acenaphthene	ND	10.0	ug/l	1	4C25011	03/25/04	03/29/04	EPA 8270C	
Acenaphthylene	ND	10.0	"	"	"	"	"	"	
Anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	10.0	"	"	"	"	"	"	
Benzyl alcohol	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	50.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10.0	"	"	"	"	"	"	
Carbazole	ND	10.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-03-U (A4C0008-10) Water Sampled: 03/18/04 14:50 Received: 03/19/04 08:40									
Chrysene	ND	10.0	ug/l	1	4C25011	03/25/04	03/29/04	"	
Di-n-butyl phthalate	ND	10.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10.0	"	"	"	"	"	"	
Dibenzofuran	ND	10.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10.0	"	"	"	"	"	"	
Diethyl phthalate	ND	10.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	10.0	"	"	"	"	"	"	
Fluorene	ND	10.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	10.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10.0	"	"	"	"	"	"	
Hexachloroethane	ND	10.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10.0	"	"	"	"	"	"	
Isophorone	ND	10.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10.0	"	"	"	"	"	"	
Naphthalene	ND	10.0	"	"	"	"	"	"	
Nitrobenzene	ND	10.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10.0	"	"	"	"	"	"	
Phenanthrene	ND	10.0	"	"	"	"	"	"	
Pyrene	ND	10.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10.0	"	"	"	"	"	"	
Surrogate: 2-FBP	*93.1 %*	*41-129*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*92.9 %*	*44-124*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*84.4 %*	*10-132*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-03A (A4C0008-11) Soil Sampled: 03/18/04 15:00 Received: 03/19/04 08:40									
Acenaphthene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/03/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	"	"	"	"	"	
Anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.330	"	"	"	"	"	"	
Benzyl alcohol	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.330	"	"	"	"	"	"	
Carbazole	ND	0.330	"	"	"	"	"	"	
4-Chloroaniline	ND	0.500	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Chrysene	ND	0.330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.330	"	"	"	"	"	"	
Dibenzofuran	ND	0.330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
Diethyl phthalate	ND	0.330	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.330	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
Fluoranthene	ND	0.330	"	"	"	"	"	"	
Fluorene	ND	0.330	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.330	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-03A (A4C0008-11) Soil	**Sampled: 03/18/04 15:00**	**Received: 03/19/04 08:40**							
Hexachlorocyclopentadiene	ND	0.500	mg/kg dry	1	4C25014	03/25/04	04/03/04	"	
Hexachloroethane	ND	0.330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.330	"	"	"	"	"	"	
Isophorone	ND	0.330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.330	"	"	"	"	"	"	
Naphthalene	ND	0.330	"	"	"	"	"	"	
Nitrobenzene	ND	0.330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.330	"	"	"	"	"	"	
Phenanthrene	ND	0.330	"	"	"	"	"	"	
Pyrene	ND	0.330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.330	"	"	"	"	"	"	
Surrogate: 2-FBP	*83.6 %*	*36-146*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*81.5 %*	*48-127*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*95.8 %*	*44-144*			"	"	"	"	
SHIP-SD-03B (A4C0008-12) Soil	**Sampled: 03/18/04 15:05**	**Received: 03/19/04 08:40**							
Acenaphthene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/03/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	"	"	"	"	"	
Anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.330	"	"	"	"	"	"	
Benzyl alcohol	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.330	"	"	"	"	"	"	
Carbazole	ND	0.330	"	"	"	"	"	"	
4-Chloroaniline	ND	0.500	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-03B (A4C0008-12) Soil	**Sampled: 03/18/04 15:05**	**Received: 03/19/04 08:40**							
Chrysene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/03/04	"	
Di-n-butyl phthalate	ND	0.330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.330	"	"	"	"	"	"	
Dibenzofuran	ND	0.330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
Diethyl phthalate	ND	0.330	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.330	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
Fluoranthene	ND	0.330	"	"	"	"	"	"	
Fluorene	ND	0.330	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.500	"	"	"	"	"	"	
Hexachloroethane	ND	0.330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.330	"	"	"	"	"	"	
Isophorone	ND	0.330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.330	"	"	"	"	"	"	
Naphthalene	ND	0.330	"	"	"	"	"	"	
Nitrobenzene	ND	0.330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.330	"	"	"	"	"	"	
Phenanthrene	ND	0.330	"	"	"	"	"	"	
Pyrene	ND	0.330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.330	"	"	"	"	"	"	
Surrogate: 2-FBP	*63.9 %*	*36-146*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*80.0 %*	*48-127*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*69.1 %*	*44-144*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc.	Project: Ship Creek	
2550 Denali Street, Suite 705	Project Number: [none]	**Reported:**
Anchorage, AK/USA 99503	Project Manager: Frank Marley	05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-04-F (A4C0008-13) Water Sampled: 03/18/04 15:20 Received: 03/19/04 08:40									
Acenaphthene	ND	10.0	ug/l	1	4C25011	03/25/04	04/02/04	EPA 8270C	
Acenaphthylene	ND	10.0	"	"	"	"	"	"	
Anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	10.0	"	"	"	"	"	"	
Benzyl alcohol	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	50.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10.0	"	"	"	"	"	"	
Carbazole	ND	10.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Chrysene	ND	10.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	10.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10.0	"	"	"	"	"	"	
Dibenzofuran	ND	10.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10.0	"	"	"	"	"	"	
Diethyl phthalate	ND	10.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	10.0	"	"	"	"	"	"	
Fluorene	ND	10.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	10.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10.0	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-04-F (A4C0008-13) Water Sampled: 03/18/04 15:20 Received: 03/19/04 08:40									
Hexachlorocyclopentadiene	ND	10.0	ug/l	1	4C25011	03/25/04	04/02/04	"	
Hexachloroethane	ND	10.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10.0	"	"	"	"	"	"	
Isophorone	ND	10.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10.0	"	"	"	"	"	"	
Naphthalene	ND	10.0	"	"	"	"	"	"	
Nitrobenzene	ND	10.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10.0	"	"	"	"	"	"	
Phenanthrene	ND	10.0	"	"	"	"	"	"	
Pyrene	ND	10.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10.0	"	"	"	"	"	"	
Surrogate: 2-FBP	*85.0 %*	*41-129*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*84.2 %*	*44-124*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*92.9 %*	*10-132*			"	"	"	"	
SHIP-SW-041-F (A4C0008-14) Water Sampled: 03/18/04 15:25 Received: 03/19/04 08:40									
Acenaphthene	ND	10.0	ug/l	1	4C25011	03/25/04	04/02/04	EPA 8270C	
Acenaphthylene	ND	10.0	"	"	"	"	"	"	
Anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	10.0	"	"	"	"	"	"	
Benzyl alcohol	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	50.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10.0	"	"	"	"	"	"	
Carbazole	ND	10.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-041-F (A4C0008-14) Water Sampled: 03/18/04 15:25 Received: 03/19/04 08:40									
Chrysene	ND	10.0	ug/l	1	4C25011	03/25/04	04/02/04	"	
Di-n-butyl phthalate	ND	10.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10.0	"	"	"	"	"	"	
Dibenzofuran	ND	10.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10.0	"	"	"	"	"	"	
Diethyl phthalate	ND	10.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	10.0	"	"	"	"	"	"	
Fluorene	ND	10.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	10.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10.0	"	"	"	"	"	"	
Hexachloroethane	ND	10.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10.0	"	"	"	"	"	"	
Isophorone	ND	10.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10.0	"	"	"	"	"	"	
Naphthalene	ND	10.0	"	"	"	"	"	"	
Nitrobenzene	ND	10.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10.0	"	"	"	"	"	"	
Phenanthrene	ND	10.0	"	"	"	"	"	"	
Pyrene	ND	10.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10.0	"	"	"	"	"	"	
Surrogate: 2-FBP	*85.7 %*	*41-129*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*81.9 %*	*44-124*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*84.0 %*	*10-132*			"	"	"	"	

North Creek Analytical - Alaska

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-04-U (A4C0008-15) Water Sampled: 03/18/04 15:30 Received: 03/19/04 08:40									
Acenaphthene	ND	10.0	ug/l	1	4C25011	03/25/04	04/02/04	EPA 8270C	
Acenaphthylene	ND	10.0	"	"	"	"	"	"	
Anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	10.0	"	"	"	"	"	"	
Benzyl alcohol	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	50.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10.0	"	"	"	"	"	"	
Carbazole	ND	10.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Chrysene	ND	10.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	10.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10.0	"	"	"	"	"	"	
Dibenzofuran	ND	10.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10.0	"	"	"	"	"	"	
Diethyl phthalate	ND	10.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	10.0	"	"	"	"	"	"	
Fluorene	ND	10.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	10.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10.0	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-04-U (A4C0008-15) Water Sampled: 03/18/04 15:30 Received: 03/19/04 08:40									
Hexachlorocyclopentadiene	ND	10.0	ug/l	1	4C25011	03/25/04	04/02/04	"	
Hexachloroethane	ND	10.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10.0	"	"	"	"	"	"	
Isophorone	ND	10.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10.0	"	"	"	"	"	"	
Naphthalene	ND	10.0	"	"	"	"	"	"	
Nitrobenzene	ND	10.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10.0	"	"	"	"	"	"	
Phenanthrene	ND	10.0	"	"	"	"	"	"	
Pyrene	ND	10.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10.0	"	"	"	"	"	"	
Surrogate: 2-FBP	*73.8 %*	*41-129*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*80.9 %*	*44-124*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*78.8 %*	*10-132*			"	"	"	"	
SHIP-SD-04A (A4C0008-16) Soil Sampled: 03/18/04 15:40 Received: 03/19/04 08:40									
Acenaphthene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/03/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	"	"	"	"	"	
Anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.330	"	"	"	"	"	"	
Benzyl alcohol	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.330	"	"	"	"	"	"	
Carbazole	ND	0.330	"	"	"	"	"	"	
4-Chloroaniline	ND	0.500	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	

North Creek Analytical - Alaska

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907.563.9200 fax 907.563.9210

Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-04A (A4C0008-16) Soil Sampled: 03/18/04 15:40 Received: 03/19/04 08:40									
Chrysene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/03/04	"	
Di-n-butyl phthalate	ND	0.330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.330	"	"	"	"	"	"	
Dibenzofuran	ND	0.330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
Diethyl phthalate	ND	0.330	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.330	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
Fluoranthene	ND	0.330	"	"	"	"	"	"	
Fluorene	ND	0.330	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.500	"	"	"	"	"	"	
Hexachloroethane	ND	0.330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.330	"	"	"	"	"	"	
Isophorone	ND	0.330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.330	"	"	"	"	"	"	
Naphthalene	ND	0.330	"	"	"	"	"	"	
Nitrobenzene	ND	0.330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.330	"	"	"	"	"	"	
Phenanthrene	ND	0.330	"	"	"	"	"	"	
Pyrene	ND	0.330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.330	"	"	"	"	"	"	
Surrogate: 2-FBP	*79.4 %*	*36-146*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*77.1 %*	*48-127*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*95.0 %*	*44-144*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-041-A (A4C0008-17) Soil Sampled: 03/18/04 15:45 Received: 03/19/04 08:40									
Acenaphthene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/02/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	"	"	"	"	"	
Anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.330	"	"	"	"	"	"	
Benzyl alcohol	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.330	"	"	"	"	"	"	
Carbazole	ND	0.330	"	"	"	"	"	"	
4-Chloroaniline	ND	0.500	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Chrysene	ND	0.330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.330	"	"	"	"	"	"	
Dibenzofuran	ND	0.330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
Diethyl phthalate	ND	0.330	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.330	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
Fluoranthene	ND	0.330	"	"	"	"	"	"	
Fluorene	ND	0.330	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.330	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-041-A (A4C0008-17) Soil Sampled: 03/18/04 15:45 Received: 03/19/04 08:40									
Hexachlorocyclopentadiene	ND	0.500	mg/kg dry	1	4C25014	03/25/04	04/02/04	"	
Hexachloroethane	ND	0.330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.330	"	"	"	"	"	"	
Isophorone	ND	0.330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.330	"	"	"	"	"	"	
Naphthalene	ND	0.330	"	"	"	"	"	"	
Nitrobenzene	ND	0.330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.330	"	"	"	"	"	"	
Phenanthrene	ND	0.330	"	"	"	"	"	"	
Pyrene	ND	0.330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.330	"	"	"	"	"	"	
Surrogate: 2-FBP	*86.3 %*	*36-146*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*95.7 %*	*48-127*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*96.1 %*	*44-144*			"	"	"	"	
SHIP-SD-04B (A4C0008-18) Soil Sampled: 03/18/04 15:50 Received: 03/19/04 08:40									
Acenaphthene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/02/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	"	"	"	"	"	
Anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.330	"	"	"	"	"	"	
Benzyl alcohol	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.330	"	"	"	"	"	"	
Carbazole	ND	0.330	"	"	"	"	"	"	
4-Chloroaniline	ND	0.500	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-04B (A4C0008-18) Soil	**Sampled: 03/18/04 15:50**		**Received: 03/19/04 08:40**						
Chrysene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/02/04	"	
Di-n-butyl phthalate	ND	0.330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.330	"	"	"	"	"	"	
Dibenzofuran	ND	0.330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
Diethyl phthalate	ND	0.330	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.330	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
Fluoranthene	ND	0.330	"	"	"	"	"	"	
Fluorene	ND	0.330	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.500	"	"	"	"	"	"	
Hexachloroethane	ND	0.330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.330	"	"	"	"	"	"	
Isophorone	ND	0.330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.330	"	"	"	"	"	"	
Naphthalene	ND	0.330	"	"	"	"	"	"	
Nitrobenzene	ND	0.330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.330	"	"	"	"	"	"	
Phenanthrene	ND	0.330	"	"	"	"	"	"	
Pyrene	ND	0.330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.330	"	"	"	"	"	"	
Surrogate: 2-FBP	*86.4 %*	*36-146*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*109 %*	*48-127*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*95.5 %*	*44-144*			"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-05-F (A4C0008-19) Water Sampled: 03/18/04 16:40 Received: 03/19/04 08:40									
Acenaphthene	ND	10.0	ug/l	1	4C25011	03/25/04	04/02/04	EPA 8270C	
Acenaphthylene	ND	10.0	"	"	"	"	"	"	
Anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	10.0	"	"	"	"	"	"	
Benzyl alcohol	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	50.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10.0	"	"	"	"	"	"	
Carbazole	ND	10.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Chrysene	ND	10.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	10.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10.0	"	"	"	"	"	"	
Dibenzofuran	ND	10.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10.0	"	"	"	"	"	"	
Diethyl phthalate	ND	10.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	10.0	"	"	"	"	"	"	
Fluorene	ND	10.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	10.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10.0	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-05-F (A4C0008-19) Water Sampled: 03/18/04 16:40 Received: 03/19/04 08:40									
Hexachlorocyclopentadiene	ND	10.0	ug/l	1	4C25011	03/25/04	04/02/04	"	
Hexachloroethane	ND	10.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10.0	"	"	"	"	"	"	
Isophorone	ND	10.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10.0	"	"	"	"	"	"	
Naphthalene	ND	10.0	"	"	"	"	"	"	
Nitrobenzene	ND	10.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10.0	"	"	"	"	"	"	
Phenanthrene	ND	10.0	"	"	"	"	"	"	
Pyrene	ND	10.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10.0	"	"	"	"	"	"	
Surrogate: 2-FBP	*84.2 %*	*41-129*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*86.5 %*	*44-124*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*85.2 %*	*10-132*			"	"	"	"	
SHIP-SW-05-U (A4C0008-20) Water Sampled: 03/18/04 16:50 Received: 03/19/04 08:40									
Acenaphthene	ND	10.0	ug/l	1	4C25011	03/25/04	04/02/04	EPA 8270C	
Acenaphthylene	ND	10.0	"	"	"	"	"	"	
Anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	10.0	"	"	"	"	"	"	
Benzyl alcohol	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	10.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	50.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10.0	"	"	"	"	"	"	
Carbazole	ND	10.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10.0	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SW-05-U (A4C0008-20) Water Sampled: 03/18/04 16:50 Received: 03/19/04 08:40									
Chrysene	ND	10.0	ug/l	1	4C25011	03/25/04	04/02/04	"	
Di-n-butyl phthalate	ND	10.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10.0	"	"	"	"	"	"	
Dibenzofuran	ND	10.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10.0	"	"	"	"	"	"	
Diethyl phthalate	ND	10.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	10.0	"	"	"	"	"	"	
Fluorene	ND	10.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	10.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10.0	"	"	"	"	"	"	
Hexachloroethane	ND	10.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10.0	"	"	"	"	"	"	
Isophorone	ND	10.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10.0	"	"	"	"	"	"	
Naphthalene	ND	10.0	"	"	"	"	"	"	
Nitrobenzene	ND	10.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10.0	"	"	"	"	"	"	
Phenanthrene	ND	10.0	"	"	"	"	"	"	
Pyrene	ND	10.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10.0	"	"	"	"	"	"	
Surrogate: 2-FBP	*77.1 %*	*41-129*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*79.0 %*	*44-124*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*87.1 %*	*10-132*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-05A (A4C0008-21) Soil Sampled: 03/18/04 16:55 Received: 03/19/04 08:40									
Acenaphthene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/02/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	"	"	"	"	"	
Anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.330	"	"	"	"	"	"	
Benzyl alcohol	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.330	"	"	"	"	"	"	
Carbazole	ND	0.330	"	"	"	"	"	"	
4-Chloroaniline	ND	0.500	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Chrysene	ND	0.330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.330	"	"	"	"	"	"	
Dibenzofuran	ND	0.330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
Diethyl phthalate	ND	0.330	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.330	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
Fluoranthene	ND	0.330	"	"	"	"	"	"	
Fluorene	ND	0.330	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.330	"	"	"	"	"	"	

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-05A (A4C0008-21) Soil	**Sampled: 03/18/04 16:55**	**Received: 03/19/04 08:40**							
Hexachlorocyclopentadiene	ND	0.500	mg/kg dry	1	4C25014	03/25/04	04/02/04	"	
Hexachloroethane	ND	0.330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.330	"	"	"	"	"	"	
Isophorone	ND	0.330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.330	"	"	"	"	"	"	
Naphthalene	ND	0.330	"	"	"	"	"	"	
Nitrobenzene	ND	0.330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.330	"	"	"	"	"	"	
Phenanthrene	ND	0.330	"	"	"	"	"	"	
Pyrene	ND	0.330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.330	"	"	"	"	"	"	
Surrogate: 2-FBP	*72.0 %*	*36-146*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*80.1 %*	*48-127*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*88.6 %*	*44-144*			"	"	"	"	
SHIP-SD-05B (A4C0008-22) Soil	**Sampled: 03/18/04 17:00**	**Received: 03/19/04 08:40**							
Acenaphthene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/02/04	EPA 8270C	
Acenaphthylene	ND	0.330	"	"	"	"	"	"	
Anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.330	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.330	"	"	"	"	"	"	
Benzyl alcohol	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.330	"	"	"	"	"	"	
Carbazole	ND	0.330	"	"	"	"	"	"	
4-Chloroaniline	ND	0.500	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.330	"	"	"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-05B (A4C0008-22) Soil	**Sampled: 03/18/04 17:00**	**Received: 03/19/04 08:40**							
Chrysene	ND	0.330	mg/kg dry	1	4C25014	03/25/04	04/02/04	"	
Di-n-butyl phthalate	ND	0.330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.330	"	"	"	"	"	"	
Dibenzofuran	ND	0.330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
Diethyl phthalate	ND	0.330	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.330	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.500	"	"	"	"	"	"	
Fluoranthene	ND	0.330	"	"	"	"	"	"	
Fluorene	ND	0.330	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.500	"	"	"	"	"	"	
Hexachloroethane	ND	0.330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.330	"	"	"	"	"	"	
Isophorone	ND	0.330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.330	"	"	"	"	"	"	
Naphthalene	ND	0.330	"	"	"	"	"	"	
Nitrobenzene	ND	0.330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.330	"	"	"	"	"	"	
Phenanthrene	ND	0.330	"	"	"	"	"	"	
Pyrene	ND	0.330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.330	"	"	"	"	"	"	
Surrogate: 2-FBP	*77.4 %*	*36-146*			"	"	"	"	
Surrogate: Nitrobenzene-d5	*104 %*	*48-127*			"	"	"	"	
Surrogate: p-Terphenyl-d14	*97.4 %*	*44-144*			"	"	"	"	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-01A (A4C0008-03) Soil	**Sampled: 03/18/04 12:40**	**Received: 03/19/04 08:40**							
Dry Weight	**52.3**	1.00	%	1	4C31024	03/31/04	04/01/04	BSOPSPL003R08	
SHIP-SD-01B (A4C0008-04) Soil	**Sampled: 03/18/04 12:45**	**Received: 03/19/04 08:40**							
Dry Weight	**56.9**	1.00	%	1	4C31024	03/31/04	04/01/04	BSOPSPL003R08	
SHIP-SD-02A (A4C0008-07) Soil	**Sampled: 03/18/04 14:00**	**Received: 03/19/04 08:40**							
Dry Weight	**55.8**	1.00	%	1	4C31024	03/31/04	04/01/04	BSOPSPL003R08	
SHIP-SD-02B (A4C0008-08) Soil	**Sampled: 03/18/04 14:05**	**Received: 03/19/04 08:40**							
Dry Weight	**62.1**	1.00	%	1	4C31024	03/31/04	04/01/04	BSOPSPL003R08	
SHIP-SD-03A (A4C0008-11) Soil	**Sampled: 03/18/04 15:00**	**Received: 03/19/04 08:40**							
Dry Weight	**58.3**	1.00	%	1	4C31024	03/31/04	04/01/04	BSOPSPL003R08	
SHIP-SD-03B (A4C0008-12) Soil	**Sampled: 03/18/04 15:05**	**Received: 03/19/04 08:40**							
Dry Weight	**72.6**	1.00	%	1	4C31024	03/31/04	04/01/04	BSOPSPL003R08	
SHIP-SD-04A (A4C0008-16) Soil	**Sampled: 03/18/04 15:40**	**Received: 03/19/04 08:40**							
Dry Weight	**76.5**	1.00	%	1	4C31024	03/31/04	04/01/04	BSOPSPL003R08	
SHIP-SD-041-A (A4C0008-17) Soil	**Sampled: 03/18/04 15:45**	**Received: 03/19/04 08:40**							
Dry Weight	**71.5**	1.00	%	1	4C31024	03/31/04	04/01/04	BSOPSPL003R08	
SHIP-SD-04B (A4C0008-18) Soil	**Sampled: 03/18/04 15:50**	**Received: 03/19/04 08:40**							
Dry Weight	**75.3**	1.00	%	1	4C31024	03/31/04	04/01/04	BSOPSPL003R08	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Physical Parameters by APHA/ASTM/EPA Methods

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SHIP-SD-05A (A4C0008-21) Soil	**Sampled: 03/18/04 16:55**	**Received: 03/19/04 08:40**							
Dry Weight	**61.5**	1.00	%	1	4C31024	03/31/04	04/01/04	BSOPSPL003R08	
SHIP-SD-05B (A4C0008-22) Soil	**Sampled: 03/18/04 17:00**	**Received: 03/19/04 08:40**							
Dry Weight	**63.0**	1.00	%	1	4C31024	03/31/04	04/01/04	BSOPSPL003R08	

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Gasoline Range Organics (C6-C10) per AK101 - Quality Control
North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C22002: Prepared 03/22/04 Using EPA 5030										
Blank (4C22002-BLK1)										
Gasoline Range Organics	ND	50.0	ug/l							
Surrogate: a,a,a-TFT (FID)	*49.3*		"	*50.0*		*98.6*	*50-150*			
LCS (4C22002-BS1)										
Gasoline Range Organics	573	50.0	ug/l	550		104	60-120			
Surrogate: a,a,a-TFT (FID)	*54.1*		"	*50.0*		*108*	*50-150*			
LCS Dup (4C22002-BSD1)										
Gasoline Range Organics	568	50.0	ug/l	550		103	60-120	0.876	20	
Surrogate: a,a,a-TFT (FID)	*54.2*		"	*50.0*		*108*	*50-150*			
Matrix Spike (4C22002-MS1)					**Source: A4C0008-20**					
Gasoline Range Organics	561	50.0	ug/l	550	ND	102	60-120			
Surrogate: a,a,a-TFT (FID)	*53.1*		"	*50.0*		*106*	*50-150*			
Matrix Spike Dup (4C22002-MSD1)					**Source: A4C0008-20**					
Gasoline Range Organics	561	50.0	ug/l	550	ND	102	60-120	0.00	20	
Surrogate: a,a,a-TFT (FID)	*52.9*		"	*50.0*		*106*	*50-150*			
Batch 4C22003: Prepared 03/22/04 Using EPA 5035										
Blank (4C22003-BLK1)										
Gasoline Range Organics	ND	4.00	mg/kg							
Surrogate: 4-BFB (FID)	*0.0456*		"	*0.0500*		*91.2*	*60-120*			
Surrogate: a,a,a-TFT (FID)	*2.24*		"	*2.40*		*93.3*	*50-150*			
LCS (4C22003-BS1)										
Gasoline Range Organics	23.7	4.00	mg/kg	22.0		108	60-120			
Surrogate: 4-BFB (FID)	*0.0499*		"	*0.0500*		*99.8*	*60-120*			
Surrogate: a,a,a-TFT (FID)	*2.29*		"	*2.40*		*95.4*	*50-150*			

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Gasoline Range Organics (C6-C10) per AK101 - Quality Control
North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C22003: Prepared 03/22/04 Using EPA 5035										
LCS Dup (4C22003-BSD1)										
Gasoline Range Organics	25.6	4.00	mg/kg	22.0		116	60-120	7.71	20	
Surrogate: 4-BFB (FID)	*0.0563*		"	*0.0500*		*113*	*60-120*			
Surrogate: a,a,a-TFT (FID)	*2.53*		"	*2.40*		*105*	*50-150*			
Duplicate (4C22003-DUP1)					**Source: A4C0008-18**					
Gasoline Range Organics	ND	4.00	mg/kg dry		ND				50	
Surrogate: 4-BFB (FID)	*0.0610*		"	*0.0704*		*86.6*	*60-120*			
Surrogate: a,a,a-TFT (FID)	*1.60*		"	*3.38*		*47.3*	*50-150*			*G-06*
Batch 4C23002: Prepared 03/23/04 Using EPA 5035										
Blank (4C23002-BLK1)										
Gasoline Range Organics	ND	4.00	mg/kg							
Surrogate: 4-BFB (FID)	*0.0420*		"	*0.0500*		*84.0*	*60-120*			
Surrogate: a,a,a-TFT (FID)	*2.12*		"	*2.40*		*88.3*	*50-150*			
LCS (4C23002-BS1)										
Gasoline Range Organics	25.1	4.00	mg/kg	22.0		114	60-120			
Surrogate: 4-BFB (FID)	*0.0530*		"	*0.0500*		*106*	*60-120*			
Surrogate: a,a,a-TFT (FID)	*2.47*		"	*2.40*		*103*	*50-150*			
LCS Dup (4C23002-BSD1)										
Gasoline Range Organics	23.7	4.00	mg/kg	22.0		108	60-120	5.74	20	
Surrogate: 4-BFB (FID)	*0.0459*		"	*0.0500*		*91.8*	*60-120*			
Surrogate: a,a,a-TFT (FID)	*2.20*		"	*2.40*		*91.7*	*50-150*			
Duplicate (4C23002-DUP1)					**Source: A4C0008-22**					
Gasoline Range Organics	ND	0.945	mg/kg dry		ND				50	
Surrogate: 4-BFB (FID)	*0.0144*		"	*0.0168*		*85.7*	*60-120*			
Surrogate: a,a,a-TFT (FID)	*0.214*		"	*0.807*		*26.5*	*50-150*			*G-06*

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Hart Crowser, Inc.	Project: Ship Creek	
2550 Denali Street, Suite 705	Project Number: [none]	**Reported:**
Anchorage, AK/USA 99503	Project Manager: Frank Marley	05/11/04 15:05

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/RRO - Quality Control

North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C24001: Prepared 03/24/04 Using EPA 3545										
Blank (4C24001-BLK1)										
Diesel Range Organics	ND	25.0	mg/kg							
Residual Range Organics	ND	50.0	"							
Surrogate: 1-Chlorooctadecane	*9.93*		"	*10.0*		*99.3*	*50-150*			
Surrogate: Triacontane	*10.7*		"	*10.0*		*107*	*50-150*			
LCS (4C24001-BS1)										
Diesel Range Organics	224	25.0	mg/kg	250		89.6	75-125			
Residual Range Organics	199	50.0	"	250		79.6	60-120			
Surrogate: 1-Chlorooctadecane	*8.78*		"	*10.0*		*87.8*	*50-150*			
Surrogate: Triacontane	*8.20*		"	*10.0*		*82.0*	*50-150*			
LCS Dup (4C24001-BSD1)										
Diesel Range Organics	241	25.0	mg/kg	250		96.4	75-125	7.31	20	
Residual Range Organics	209	50.0	"	250		83.6	60-120	4.90	20	
Surrogate: 1-Chlorooctadecane	*9.08*		"	*10.0*		*90.8*	*50-150*			
Surrogate: Triacontane	*8.61*		"	*10.0*		*86.1*	*50-150*			
Matrix Spike (4C24001-MS1)					**Source: A4C0008-03**					
Diesel Range Organics	415	25.0	mg/kg dry	439	17.3	90.6	75-125			
Residual Range Organics	362	50.0	"	439	ND	82.5	60-150			
Surrogate: 1-Chlorooctadecane	*15.6*		"	*17.6*		*88.6*	*50-150*			
Surrogate: Triacontane	*14.8*		"	*17.6*		*84.1*	*50-150*			
Matrix Spike Dup (4C24001-MSD1)					**Source: A4C0008-03**					
Diesel Range Organics	421	25.0	mg/kg dry	420	17.3	96.1	75-125	1.44	25	
Residual Range Organics	372	50.0	"	420	ND	88.6	60-150	2.72	25	
Surrogate: 1-Chlorooctadecane	*15.8*		"	*16.8*		*94.0*	*50-150*			
Surrogate: Triacontane	*15.4*		"	*16.8*		*91.7*	*50-150*			

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/RRO - Quality Control

North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25001: Prepared 03/25/04 Using EPA 3510										
Blank (4C25001-BLK1)										
Diesel Range Organics	ND	0.500	mg/l							
Residual Range Organics	ND	0.500	"							
Surrogate: 1-Chlorooctadecane	*1.04*		"	*1.00*		*104*	*50-150*			
Surrogate: Triacontane	*1.14*		"	*1.00*		*114*	*50-150*			
LCS (4C25001-BS1)										
Diesel Range Organics	9.80	0.500	mg/l	10.0		98.0	75-125			
Residual Range Organics	8.86	0.500	"	10.0		88.6	60-120			
Surrogate: 1-Chlorooctadecane	*0.934*		"	*1.00*		*93.4*	*50-150*			
Surrogate: Triacontane	*0.996*		"	*1.00*		*99.6*	*50-150*			
LCS Dup (4C25001-BSD1)										
Diesel Range Organics	8.83	0.500	mg/l	10.0		88.3	75-125	10.4	20	
Residual Range Organics	7.73	0.500	"	10.0		77.3	60-120	13.6	20	
Surrogate: 1-Chlorooctadecane	*0.816*		"	*1.00*		*81.6*	*50-150*			
Surrogate: Triacontane	*0.880*		"	*1.00*		*88.0*	*50-150*			
Duplicate (4C25001-DUP1)					**Source: A4C0008-02**					
Diesel Range Organics	ND	0.500	mg/l		ND				50	
Residual Range Organics	ND	0.500	"		ND				50	
Surrogate: 1-Chlorooctadecane	*0.937*		"	*1.00*		*93.7*	*50-150*			
Surrogate: Triacontane	*1.05*		"	*1.00*		*105*	*50-150*			
Batch 4C30003: Prepared 03/30/04 Using EPA 3510										
Blank (4C30003-BLK1)										
Diesel Range Organics	ND	0.500	mg/l							
Residual Range Organics	ND	0.500	"							
Surrogate: 1-Chlorooctadecane	*0.934*		"	*1.00*		*93.4*	*50-150*			
Surrogate: Triacontane	*0.872*		"	*1.00*		*87.2*	*50-150*			

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/RRO - Quality Control

North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C30003: Prepared 03/30/04 Using EPA 3510										
LCS (4C30003-BS1)										
Diesel Range Organics	9.23	0.500	mg/l	10.0		92.3	75-125			
Residual Range Organics	7.80	0.500	"	10.0		78.0	60-120			
Surrogate: 1-Chlorooctadecane	*0.837*		"	*1.00*		*83.7*	*50-150*			
Surrogate: Triacontane	*0.808*		"	*1.00*		*80.8*	*50-150*			
LCS Dup (4C30003-BSD1)										
Diesel Range Organics	9.74	0.500	mg/l	10.0		97.4	75-125	5.38	20	
Residual Range Organics	8.78	0.500	"	10.0		87.8	60-120	11.8	20	
Surrogate: 1-Chlorooctadecane	*0.893*		"	*1.00*		*89.3*	*50-150*			
Surrogate: Triacontane	*0.933*		"	*1.00*		*93.3*	*50-150*			

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

North Creek Analytical - Alaska

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C23001: Prepared 03/23/04 Using General Preparation										
Blank (4C23001-BLK1)										
Dry Weight	100	1.00	%							
Duplicate (4C23001-DUP1)					**Source: A4C0008-03**					
Dry Weight	53.7	1.00	%		56.9			5.79	200	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C24014: Prepared 03/24/04 Using EPA 3020A										
Blank (4C24014-BLK1)										
Arsenic	ND	0.00100	mg/l							
Vanadium	ND	0.00100	"							
Selenium	ND	0.00100	"							
Cadmium	ND	0.00100	"							
Aluminum	ND	0.300	"							
Calcium	ND	0.300	"							
Manganese	ND	0.0100	"							
Sodium	ND	0.300	"							
Potassium	ND	0.600	"							
Iron	ND	0.300	"							
Magnesium	ND	0.300	"							
Copper	ND	0.00100	"							
Nickel	ND	0.00100	"							
Chromium	ND	0.00100	"							
Cobalt	ND	0.00100	"							
Lead	ND	0.00100	"							
Antimony	ND	0.00300	"							
Barium	ND	0.0100	"							
Zinc	ND	0.0100	"							
LCS (4C24014-BS1)										
Nickel	0.0810	0.00100	mg/l	0.0800		101	80-120			
Sodium	5.67	0.300	"	5.00		113	80-120			
Manganese	0.0829	0.0100	"	0.0800		104	80-120			
Antimony	0.0817	0.00300	"	0.0800		102	80-120			
Copper	0.0801	0.00100	"	0.0800		100	80-120			
Selenium	0.0808	0.00100	"	0.0800		101	80-120			
Vanadium	0.0824	0.00100	"	0.0800		103	80-120			
Zinc	0.0828	0.0100	"	0.0800		104	80-120			
Lead	0.0824	0.00100	"	0.0800		103	80-120			
Calcium	5.47	0.300	"	5.00		109	80-120			
Arsenic	0.0790	0.00100	"	0.0800		98.8	80-120			
Potassium	5.38	0.600	"	5.00		108	80-120			
Barium	0.0825	0.0100	"	0.0800		103	80-120			

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C24014: Prepared 03/24/04 Using EPA 3020A										
LCS (4C24014-BS1)										
Magnesium	5.40	0.300	mg/l	5.00		108	80-120			
Cadmium	0.0800	0.00100	"	0.0800		100	80-120			
Cobalt	0.0799	0.00100	"	0.0800		99.9	80-120			
Aluminum	5.50	0.300	"	5.00		110	80-120			
Iron	5.64	0.300	"	5.00		113	80-120			
Chromium	0.0812	0.00100	"	0.0800		102	80-120			
LCS Dup (4C24014-BSD1)										
Arsenic	0.0787	0.00100	mg/l	0.0800		98.4	80-120	0.380	20	
Vanadium	0.0818	0.00100	"	0.0800		102	80-120	0.731	20	
Nickel	0.0802	0.00100	"	0.0800		100	80-120	0.993	20	
Sodium	5.58	0.300	"	5.00		112	80-120	1.60	20	
Manganese	0.0821	0.0100	"	0.0800		103	80-120	0.970	20	
Magnesium	5.58	0.300	"	5.00		112	80-120	3.28	20	
Potassium	5.58	0.600	"	5.00		112	80-120	3.65	20	
Zinc	0.0830	0.0100	"	0.0800		104	80-120	0.241	20	
Lead	0.0818	0.00100	"	0.0800		102	80-120	0.731	20	
Calcium	5.72	0.300	"	5.00		114	80-120	4.47	20	
Selenium	0.0794	0.00100	"	0.0800		99.3	80-120	1.75	20	
Barium	0.0833	0.0100	"	0.0800		104	80-120	0.965	20	
Cadmium	0.0805	0.00100	"	0.0800		101	80-120	0.623	20	
Cobalt	0.0794	0.00100	"	0.0800		99.3	80-120	0.628	20	
Chromium	0.0805	0.00100	"	0.0800		101	80-120	0.866	20	
Copper	0.0794	0.00100	"	0.0800		99.3	80-120	0.878	20	
Aluminum	5.62	0.300	"	5.00		112	80-120	2.16	20	
Iron	5.66	0.300	"	5.00		113	80-120	0.354	20	
Antimony	0.0814	0.00300	"	0.0800		102	80-120	0.368	20	

North Creek Analytical - Alaska

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Mike Priebe, Technical Services Manager

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C24014: Prepared 03/24/04 Using EPA 3020A										
Matrix Spike (4C24014-MS1)					**Source: A4C0008-10**					
Potassium	6.16	0.600	mg/l	5.00	0.780	108	80-120			
Iron	5.92	0.300	"	5.00	0.330	112	80-120			
Cadmium	0.0806	0.00100	"	0.0800	ND	101	75-125			
Nickel	0.0804	0.00100	"	0.0800	0.000800	99.5	76-125			
Cobalt	0.0788	0.00100	"	0.0800	0.000100	98.4	75-125			
Chromium	0.0816	0.00100	"	0.0800	0.000610	101	75-125			
Copper	0.0818	0.00100	"	0.0800	0.00274	98.8	70-124			
Manganese	0.181	0.0100	"	0.0800	0.0957	107	54-158			
Lead	0.0834	0.00100	"	0.0800	0.000170	104	75-125			
Magnesium	12.1	0.300	"	5.00	6.76	107	80-120			
Sodium	11.0	0.300	"	5.00	5.46	111	80-120			
Barium	0.0958	0.0100	"	0.0800	0.0116	105	75-125			
Antimony	0.0832	0.00300	"	0.0800	ND	104	78-125			
Zinc	0.0846	0.0100	"	0.0800	0.00478	99.8	75-131			
Vanadium	0.0838	0.00100	"	0.0800	0.000630	104	75-129			
Selenium	0.0824	0.00100	"	0.0800	ND	103	76-128			
Arsenic	0.0832	0.00100	"	0.0800	0.000290	104	75-125			
Aluminum	5.56	0.300	"	5.00	0.160	108	75-125			
Calcium	46.1	1.50	"	5.00	40.8	106	75-125			
Matrix Spike Dup (4C24014-MSD1)					**Source: A4C0008-10**					
Copper	0.0784	0.00100	mg/l	0.0800	0.00274	94.6	70-124	4.24	20	
Arsenic	0.0797	0.00100	"	0.0800	0.000290	99.3	75-125	4.30	20	
Barium	0.0904	0.0100	"	0.0800	0.0116	98.5	75-125	5.80	20	
Calcium	38.2	1.50	"	5.00	40.8	-52.0	75-125	18.7	20	Q-01
Vanadium	0.0803	0.00100	"	0.0800	0.000630	99.6	75-129	4.27	20	
Iron	5.72	0.300	"	5.00	0.330	108	80-120	3.44	20	
Chromium	0.0783	0.00100	"	0.0800	0.000610	97.1	75-125	4.13	20	
Cobalt	0.0760	0.00100	"	0.0800	0.000100	94.9	75-125	3.62	20	
Cadmium	0.0774	0.00100	"	0.0800	ND	96.8	75-125	4.05	20	
Selenium	0.0785	0.00100	"	0.0800	ND	98.1	76-128	4.85	20	
Antimony	0.0805	0.00300	"	0.0800	ND	101	78-125	3.30	20	
Lead	0.0799	0.00100	"	0.0800	0.000170	99.7	75-125	4.29	20	
Zinc	0.0811	0.0100	"	0.0800	0.00478	95.4	75-131	4.22	20	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C24014: Prepared 03/24/04 Using EPA 3020A										
Matrix Spike Dup (4C24014-MSD1)					**Source: A4C0008-10**					
Manganese	0.157	0.0100	mg/l	0.0800	0.0957	76.6	54-158	14.2	20	
Magnesium	10.5	0.300	"	5.00	6.76	74.8	80-120	14.2	20	Q-01
Potassium	6.00	0.600	"	5.00	0.780	104	80-120	2.63	20	
Aluminum	5.42	0.300	"	5.00	0.160	105	75-125	2.55	20	
Sodium	9.73	0.300	"	5.00	5.46	85.4	80-120	12.3	20	
Nickel	0.0772	0.00100	"	0.0800	0.000800	95.5	76-125	4.06	20	
Post Spike (4C24014-PS1)					**Source: A4C0008-10**					
Antimony	0.0503		mg/l	0.0500	ND	101	75-125			
Vanadium	0.0994		"	0.100	0.000630	98.8	75-125			
Zinc	0.102		"	0.100	0.00478	97.2	75-125			
Selenium	0.0986		"	0.100	ND	98.6	75-125			
Arsenic	0.0990		"	0.100	0.000290	98.7	75-125			
Cobalt	0.0953		"	0.100	0.000100	95.2	75-125			
Cadmium	0.0974		"	0.100	ND	97.4	75-125			
Lead	0.0983		"	0.100	0.000170	98.1	75-125			
Nickel	0.0971		"	0.100	0.000800	96.3	75-125			
Manganese	0.194		"	0.100	0.0957	98.3	75-125			
Copper	0.0985		"	0.100	0.00274	95.8	75-125			
Chromium	0.0994		"	0.100	0.000610	98.8	75-125			
Barium	0.111		"	0.100	0.0116	99.4	75-125			
Post Spike (4C24014-PS2)					**Source: A4C0008-10**					
Sodium	10.8		mg/l	5.01	5.46	107	75-125			
Batch 4C24019: Prepared 03/24/04 Using EPA 7470A										
Blank (4C24019-BLK1)										
Mercury	ND	0.000200	mg/l							

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C24019: Prepared 03/24/04 Using EPA 7470A										
LCS (4C24019-BS1)										
Mercury	0.00489	0.000200	mg/l	0.00500		97.8	80-120			
LCS Dup (4C24019-BSD1)										
Mercury	0.00511	0.000200	mg/l	0.00500		102	80-120	4.40	20	
Matrix Spike (4C24019-MS1)					**Source: A4C0008-02**					
Mercury	0.00510	0.000200	mg/l	0.00500	0.000165	98.7	73-121			
Matrix Spike Dup (4C24019-MSD1)					**Source: A4C0008-02**					
Mercury	0.00547	0.000200	mg/l	0.00500	0.000165	106	73-121	7.00	20	
Batch 4C24024: Prepared 03/24/04 Using EPA 3050B										
Blank (4C24024-BLK1)										
Vanadium	ND	0.500	mg/kg							
Iron	ND	150	"							
Magnesium	ND	150	"							
Potassium	ND	1490	"							
Zinc	ND	5.00	"							
Calcium	ND	150	"							
Nickel	ND	0.500	"							
Cadmium	ND	0.500	"							
Cobalt	ND	0.500	"							
Chromium	ND	0.500	"							
Copper	ND	0.500	"							
Barium	ND	5.00	"							
Antimony	ND	1.50	"							
Arsenic	ND	0.500	"							
Lead	ND	0.500	"							
Sodium	ND	150	"							
Aluminum	ND	150	"							
Manganese	ND	5.00	"							
Selenium	ND	0.500	"							

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C24024: Prepared 03/24/04 Using EPA 3050B										
LCS (4C24024-BS1)										
Chromium	40.6	0.500	mg/kg	40.0		102	80-120			
Magnesium	1020	150	"	1000		102	80-120			
Cadmium	41.6	0.500	"	40.0		104	80-120			
Zinc	43.0	5.00	"	40.0		108	80-120			
Manganese	41.5	5.00	"	40.0		104	80-120			
Sodium	995	150	"	1000		99.5	80-120			
Nickel	40.8	0.500	"	40.0		102	80-120			
Aluminum	1020	150	"	1000		102	80-120			
Cobalt	40.2	0.500	"	40.0		100	80-120			
Copper	40.6	0.500	"	40.0		102	80-120			
Iron	1040	150	"	1000		104	80-120			
Lead	41.5	0.500	"	40.0		104	80-120			
Arsenic	42.0	0.500	"	40.0		105	80-120			
Selenium	42.0	0.500	"	40.0		105	80-120			
Potassium	1000	1500	"	1000		100	80-120			
Antimony	42.8	1.50	"	40.0		107	80-120			
Calcium	1030	150	"	1000		103	80-120			
Barium	43.5	5.00	"	40.0		109	80-120			
Vanadium	41.2	0.500	"	40.0		103	80-120			
LCS Dup (4C24024-BSD1)										
Potassium	1020	1500	mg/kg	1000		102	80-120	1.98	20	
Cobalt	40.4	0.500	"	40.0		101	80-120	0.496	20	
Antimony	42.3	1.50	"	40.0		106	80-120	1.18	20	
Zinc	43.4	5.00	"	40.0		108	80-120	0.926	20	
Lead	41.3	0.500	"	40.0		103	80-120	0.483	20	
Cadmium	41.5	0.500	"	40.0		104	80-120	0.241	20	
Iron	1040	150	"	1000		104	80-120	0.00	20	
Chromium	41.1	0.500	"	40.0		103	80-120	1.22	20	
Magnesium	1010	150	"	1000		101	80-120	0.985	20	
Manganese	41.6	5.00	"	40.0		104	80-120	0.241	20	
Sodium	1000	150	"	1000		100	80-120	0.501	20	
Nickel	41.1	0.500	"	40.0		103	80-120	0.733	20	
Arsenic	42.2	0.500	"	40.0		106	80-120	0.475	20	

North Creek Analytical - Alaska

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Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C24024: Prepared 03/24/04 Using EPA 3050B										
LCS Dup (4C24024-BSD1)										
Vanadium	41.5	0.500	mg/kg	40.0		104	80-120	0.726	20	
Copper	40.9	0.500	"	40.0		102	80-120	0.736	20	
Barium	43.2	5.00	"	40.0		108	80-120	0.692	20	
Aluminum	1020	150	"	1000		102	80-120	0.00	20	
Calcium	1020	150	"	1000		102	80-120	0.976	20	
Selenium	42.4	0.500	"	40.0		106	80-120	0.948	20	
Matrix Spike (4C24024-MS1)					**Source: A4C0008-03**					
Calcium	10600	150	mg/kg dry	2060	8080	122	70-130			
Zinc	218	5.00	"	82.2	126	112	65-136			
Magnesium	15500	150	"	2060	12800	131	70-130			
Potassium	6690	1610	"	2060	4270	117	70-130			
Iron	43700	750	"	2060	38000	277	70-130			Q-15
Copper	141	0.500	"	82.2	55.5	104	59-136			
Chromium	136	0.500	"	82.2	47.7	107	53-147			
Cadmium	87.0	0.500	"	82.2	0.257	106	70-130			
Barium	294	5.00	"	82.2	179	140	53-147			
Selenium	87.6	0.500	"	82.2	0.678	106	70-130			
Cobalt	99.5	0.500	"	82.2	16.9	100	58-125			
Vanadium	165	0.500	"	82.2	72.5	113	24-171			
Aluminum	28100	750	"	2060	22600	267	70-130			Q-15
Antimony	5.87	1.50	"	82.2	0.0411	7.09	20-130			Q-13
Nickel	129	0.500	"	82.2	44.4	103	67-130			
Sodium	7760	150	"	2060	5700	100	70-130			
Manganese	1120	25.0	"	82.2	972	180	20-160			Q-15
Arsenic	106	0.500	"	82.2	18.8	106	72-130			
Lead	98.6	0.500	"	82.2	11.9	105	62-137			

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C24024: Prepared 03/24/04 Using EPA 3050B										
Matrix Spike Dup (4C24024-MSD1)					**Source: A4C0008-03**					
Chromium	139	0.562	mg/kg dry	85.9	47.7	106	53-147	2.18	30	
Magnesium	15500	169	"	2150	12800	126	70-130	0.00	20	
Vanadium	167	0.562	"	85.9	72.5	110	24-171	1.20	30	
Zinc	224	5.62	"	85.9	126	114	65-136	2.71	30	
Sodium	7950	169	"	2150	5700	105	70-130	2.42	20	
Nickel	133	0.562	"	85.9	44.4	103	67-130	3.05	30	
Calcium	10500	169	"	2150	8080	113	70-130	0.948	20	
Cadmium	90.8	0.562	"	85.9	0.257	105	70-130	4.27	30	
Cobalt	103	0.562	"	85.9	16.9	100	58-125	3.46	20	
Selenium	90.8	0.562	"	85.9	0.678	105	70-130	3.59	30	
Aluminum	26700	843	"	2150	22600	191	70-130	5.11	20	Q-15
Potassium	6630	1690	"	2150	4270	110	70-130	0.901	20	
Barium	293	5.62	"	85.9	179	133	53-147	0.341	30	
Arsenic	110	0.562	"	85.9	18.8	106	72-130	3.70	30	
Lead	103	0.562	"	85.9	11.9	106	62-137	4.37	30	
Copper	144	0.562	"	85.9	55.5	103	59-136	2.11	30	
Manganese	1110	28.1	"	85.9	972	161	20-160	0.897	30	Q-15
Antimony	5.73	1.69	"	85.9	0.0411	6.62	20-130	2.41	30	Q-13
Iron	41700	843	"	2150	38000	172	70-130	4.68	20	Q-15
Post Spike (4C24024-PS1)					**Source: A4C0008-03**					
Cadmium	0.101		mg/kg dry	0.100	0.000250	101	75-125			
Barium	0.282		"	0.100	0.174	108	75-125			
Cobalt	0.112		"	0.100	0.0164	95.6	75-125			
Lead	0.112		"	0.100	0.0116	100	75-125			
Arsenic	0.119		"	0.100	0.0183	101	75-125			
Copper	0.150		"	0.100	0.0540	96.0	75-125			
Zinc	0.222		"	0.100	0.123	99.0	75-125			
Antimony	0.0507		"	0.0500	0.0000400	101	75-125			
Chromium	0.146		"	0.100	0.0464	99.6	75-125			
Vanadium	0.170		"	0.100	0.0705	99.5	75-125			
Selenium	0.103		"	0.100	0.000660	102	75-125			
Manganese	1.04		"	0.100	0.946	94.0	75-125			
Nickel	0.140		"	0.100	0.0432	96.8	75-125			

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Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C24024: Prepared 03/24/04 Using EPA 3050B										
Post Spike (4C24024-PS2)					**Source: A4C0008-03**					
Sodium	10.4		mg/kg dry	5.01	5.54	97.0	75-125			
Batch 4C25026: Prepared 03/25/04 Using EPA 3020A										
Blank (4C25026-BLK1)										
Cadmium	ND	0.00100	mg/l							
Barium	ND	0.0100	"							
Iron	ND	0.300	"							
Chromium	ND	0.00100	"							
Lead	ND	0.00100	"							
Nickel	ND	0.00100	"							
Sodium	ND	0.300	"							
Manganese	ND	0.0100	"							
Magnesium	ND	0.300	"							
Potassium	ND	0.600	"							
Calcium	ND	0.300	"							
Arsenic	ND	0.00100	"							
Aluminum	ND	0.300	"							
Vanadium	ND	0.00100	"							
Selenium	ND	0.00100	"							
Cobalt	ND	0.00100	"							
Antimony	ND	0.00300	"							
Zinc	ND	0.0100	"							
Blank (4C25026-BLK2)										A-01
Nickel	ND	0.00100	mg/l							
Zinc	ND	0.0100	"							
Manganese	ND	0.0100	"							
Iron	ND	0.300	"							
Antimony	ND	0.00300	"							
Lead	ND	0.00100	"							
Sodium	ND	0.300	"							
Potassium	ND	0.600	"							
Selenium	ND	0.00100	"							
Arsenic	ND	0.00100	"							

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25026: Prepared 03/25/04 Using EPA 3020A										
Blank (4C25026-BLK2)										A-01
Vanadium	ND	0.00100	mg/l							
Barium	ND	0.0100	"							
Calcium	ND	0.300	"							
Cadmium	ND	0.00100	"							
Cobalt	ND	0.00100	"							
Aluminum	ND	0.300	"							
Chromium	ND	0.00100	"							
Magnesium	ND	0.300	"							
LCS (4C25026-BS1)										
Sodium	5.23	0.300	mg/l	5.00		105	80-120			
Arsenic	0.0775	0.00100	"	0.0800		96.9	80-120			
Barium	0.0805	0.0100	"	0.0800		101	80-120			
Cobalt	0.0813	0.00100	"	0.0800		102	80-120			
Cadmium	0.0774	0.00100	"	0.0800		96.8	80-120			
Chromium	0.0775	0.00100	"	0.0800		96.9	80-120			
Vanadium	0.0850	0.00100	"	0.0800		106	80-120			
Antimony	0.0800	0.00300	"	0.0800		100	80-120			
Aluminum	5.33	0.300	"	5.00		107	80-120			
Nickel	0.0754	0.00100	"	0.0800		94.2	80-120			
Manganese	0.0831	0.0100	"	0.0800		104	80-120			
Magnesium	5.26	0.300	"	5.00		105	80-120			
Zinc	0.0791	0.0100	"	0.0800		98.9	80-120			
Potassium	5.26	0.600	"	5.00		105	80-120			
Selenium	0.0785	0.00100	"	0.0800		98.1	80-120			
Iron	5.47	0.300	"	5.00		109	80-120			
Calcium	5.41	0.300	"	5.00		108	80-120			
Lead	0.0773	0.00100	"	0.0800		96.6	80-120			

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25026: Prepared 03/25/04 Using EPA 3020A										
LCS (4C25026-BS2)										**A-01**
Aluminum	5.42	0.300	mg/l	5.00		108	80-120			
Lead	0.0760	0.00100	"	0.0800		95.0	80-120			
Antimony	0.0826	0.00300	"	0.0800		103	80-120			
Selenium	0.0793	0.00100	"	0.0800		99.1	80-120			
Vanadium	0.0873	0.00100	"	0.0800		109	80-120			
Sodium	5.34	0.300	"	5.00		107	80-120			
Iron	5.52	0.300	"	5.00		110	80-120			
Cadmium	0.0799	0.00100	"	0.0800		99.9	80-120			
Cobalt	0.0827	0.00100	"	0.0800		103	80-120			
Zinc	0.0790	0.0100	"	0.0800		98.8	80-120			
Potassium	5.27	0.600	"	5.00		105	80-120			
Barium	0.0816	0.0100	"	0.0800		102	80-120			
Manganese	0.0847	0.0100	"	0.0800		106	80-120			
Calcium	5.36	0.300	"	5.00		107	80-120			
Nickel	0.0747	0.00100	"	0.0800		93.4	80-120			
Chromium	0.0764	0.00100	"	0.0800		95.5	80-120			
Arsenic	0.0781	0.00100	"	0.0800		97.6	80-120			
Magnesium	5.33	0.300	"	5.00		107	80-120			
LCS Dup (4C25026-BSD1)										
Lead	0.0782	0.00100	mg/l	0.0800		97.8	80-120	1.16	20	
Nickel	0.0773	0.00100	"	0.0800		96.6	80-120	2.49	20	
Sodium	5.46	0.300	"	5.00		109	80-120	4.30	20	
Aluminum	5.50	0.300	"	5.00		110	80-120	3.14	20	
Vanadium	0.0874	0.00100	"	0.0800		109	80-120	2.78	20	
Antimony	0.0816	0.00300	"	0.0800		102	80-120	1.98	20	
Selenium	0.0807	0.00100	"	0.0800		101	80-120	2.76	20	
Chromium	0.0786	0.00100	"	0.0800		98.2	80-120	1.41	20	
Zinc	0.0795	0.0100	"	0.0800		99.4	80-120	0.504	20	
Potassium	5.42	0.600	"	5.00		108	80-120	3.00	20	
Magnesium	5.45	0.300	"	5.00		109	80-120	3.55	20	
Manganese	0.0846	0.0100	"	0.0800		106	80-120	1.79	20	
Iron	5.58	0.300	"	5.00		112	80-120	1.99	20	
Barium	0.0823	0.0100	"	0.0800		103	80-120	2.21	20	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25026: Prepared 03/25/04 Using EPA 3020A										
LCS Dup (4C25026-BSD1)										
Calcium	5.59	0.300	mg/l	5.00		112	80-120	3.27	20	
Cobalt	0.0829	0.00100	"	0.0800		104	80-120	1.95	20	
Arsenic	0.0790	0.00100	"	0.0800		98.8	80-120	1.92	20	
Cadmium	0.0790	0.00100	"	0.0800		98.8	80-120	2.05	20	
LCS Dup (4C25026-BSD2)										A-01
Selenium	0.0790	0.00100	mg/l	0.0800		98.8	80-120	0.379	20	
Potassium	5.56	0.600	"	5.00		111	80-120	5.36	20	
Magnesium	5.51	0.300	"	5.00		110	80-120	3.32	20	
Iron	5.52	0.300	"	5.00		110	80-120	0.00	20	
Barium	0.0806	0.0100	"	0.0800		101	80-120	1.23	20	
Arsenic	0.0775	0.00100	"	0.0800		96.9	80-120	0.771	20	
Vanadium	0.0855	0.00100	"	0.0800		107	80-120	2.08	20	
Antimony	0.0811	0.00300	"	0.0800		101	80-120	1.83	20	
Cadmium	0.0781	0.00100	"	0.0800		97.6	80-120	2.28	20	
Calcium	5.67	0.300	"	5.00		113	80-120	5.62	20	
Zinc	0.0799	0.0100	"	0.0800		99.9	80-120	1.13	20	
Manganese	0.0834	0.0100	"	0.0800		104	80-120	1.55	20	
Nickel	0.0759	0.00100	"	0.0800		94.9	80-120	1.59	20	
Lead	0.0763	0.00100	"	0.0800		95.4	80-120	0.394	20	
Cobalt	0.0815	0.00100	"	0.0800		102	80-120	1.46	20	
Chromium	0.0774	0.00100	"	0.0800		96.8	80-120	1.30	20	
Aluminum	5.60	0.300	"	5.00		112	80-120	3.27	20	
Sodium	5.59	0.300	"	5.00		112	80-120	4.57	20	
Matrix Spike (4C25026-MS1)					**Source: A4C0008-01**					A-01
Antimony	0.0809	0.00300	mg/l	0.0800	0.000610	100	78-125			
Nickel	0.0766	0.00100	"	0.0800	0.000990	94.5	76-125			
Sodium	43.1	1.50	"	5.00	38.4	94.0	80-120			
Manganese	0.141	0.0100	"	0.0800	0.0648	95.2	54-158			
Magnesium	15.8	0.300	"	5.00	11.0	96.0	80-120			
Calcium	46.8	1.50	"	5.00	42.3	90.0	75-125			
Barium	0.0886	0.0100	"	0.0800	0.0104	97.8	75-125			
Arsenic	0.0795	0.00100	"	0.0800	0.000690	98.5	75-125			
Vanadium	0.0858	0.00100	"	0.0800	0.000400	107	75-129			

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25026: Prepared 03/25/04 Using EPA 3020A										
Matrix Spike (4C25026-MS1)					**Source: A4C0008-01**					**A-01**
Lead	0.0783	0.00100	mg/l	0.0800	0.000160	97.7	75-125			
Aluminum	5.51	0.300	"	5.00	0.0900	108	75-125			
Potassium	7.52	0.600	"	5.00	2.09	109	80-120			
Zinc	0.0826	0.0100	"	0.0800	0.00614	95.6	75-131			
Cobalt	0.0795	0.00100	"	0.0800	0.000250	99.1	75-125			
Iron	5.84	0.300	"	5.00	0.230	112	80-120			
Selenium	0.0787	0.00100	"	0.0800	0.00134	96.7	76-128			
Chromium	0.0796	0.00100	"	0.0800	0.000480	98.9	75-125			
Cadmium	0.0769	0.00100	"	0.0800	ND	96.1	75-125			
Matrix Spike Dup (4C25026-MSD1)					**Source: A4C0008-01**					**A-01**
Vanadium	0.0843	0.00100	mg/l	0.0800	0.000400	105	75-129	1.76	20	
Selenium	0.0771	0.00100	"	0.0800	0.00134	94.7	76-128	2.05	20	
Barium	0.0868	0.0100	"	0.0800	0.0104	95.5	75-125	2.05	20	
Nickel	0.0745	0.00100	"	0.0800	0.000990	91.9	76-125	2.78	20	
Aluminum	5.62	0.300	"	5.00	0.0900	111	75-125	1.98	20	
Antimony	0.0788	0.00300	"	0.0800	0.000610	97.7	78-125	2.63	20	
Arsenic	0.0787	0.00100	"	0.0800	0.000690	97.5	75-125	1.01	20	
Cobalt	0.0771	0.00100	"	0.0800	0.000250	96.1	75-125	3.07	20	
Calcium	46.0	1.50	"	5.00	42.3	74.0	75-125	1.72	20	Q-01
Sodium	42.5	1.50	"	5.00	38.4	82.0	80-120	1.40	20	
Manganese	0.140	0.0100	"	0.0800	0.0648	94.0	54-158	0.712	20	
Magnesium	16.4	0.300	"	5.00	11.0	108	80-120	3.73	20	
Lead	0.0774	0.00100	"	0.0800	0.000160	96.6	75-125	1.16	20	
Iron	5.77	0.300	"	5.00	0.230	111	80-120	1.21	20	
Chromium	0.0781	0.00100	"	0.0800	0.000480	97.0	75-125	1.90	20	
Potassium	7.60	0.600	"	5.00	2.09	110	80-120	1.06	20	
Zinc	0.0800	0.0100	"	0.0800	0.00614	92.3	75-131	3.20	20	
Cadmium	0.0752	0.00100	"	0.0800	ND	94.0	75-125	2.24	20	

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25026: Prepared 03/25/04 Using EPA 3020A										
Post Spike (4C25026-PS1)					**Source: A4C0008-01**					**A-01**
Selenium	0.0993		mg/l	0.100	0.00134	98.0	75-125			
Vanadium	0.107		"	0.100	0.000400	107	75-125			
Lead	0.100		"	0.100	0.000160	99.8	75-125			
Antimony	0.0501		"	0.0500	0.000610	99.0	75-125			
Cobalt	0.100		"	0.100	0.000250	99.8	75-125			
Cadmium	0.0957		"	0.100	ND	95.7	75-125			
Barium	0.109		"	0.100	0.0104	98.6	75-125			
Arsenic	0.0984		"	0.100	0.000690	97.7	75-125			
Manganese	0.164		"	0.100	0.0648	99.2	75-125			
Post Spike (4C25026-PS2)					**Source: A4C0008-01**					**A-01**
Sodium	44.5		mg/l	5.01	38.4	122	75-125			
Batch 4C25032: Prepared 03/25/04 Using EPA 7470A										
Blank (4C25032-BLK1)										
Mercury	ND	0.000200	mg/l							
Blank (4C25032-BLK2)										**A-01**
Mercury	ND	0.000200	mg/l							
LCS (4C25032-BS1)										
Mercury	0.00589	0.000200	mg/l	0.00500		118	80-120			
LCS (4C25032-BS2)										**A-01**
Mercury	0.00559	0.000200	mg/l	0.00500		112	80-120			

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25032: Prepared 03/25/04 Using EPA 7470A										
LCS Dup (4C25032-BSD1)										
Mercury	0.00539	0.000200	mg/l	0.00500		108	80-120	8.87	20	
LCS Dup (4C25032-BSD2)										**A-01**
Mercury	0.00504	0.000200	mg/l	0.00500		101	80-120	10.3	20	
Matrix Spike (4C25032-MS1)					**Source: A4C0008-05**					**A-01**
Mercury	0.00575	0.000200	mg/l	0.00500	ND	115	73-121			
Matrix Spike Dup (4C25032-MSD1)					**Source: A4C0008-05**					**A-01**
Mercury	0.00532	0.000200	mg/l	0.00500	ND	106	73-121	7.77	20	
Batch 4C25038: Prepared 03/25/04 Using EPA 7471A										
Blank (4C25038-BLK1)										
Mercury	ND	0.100	mg/kg							
LCS (4C25038-BS1)										
Mercury	0.538	0.100	mg/kg	0.500		108	80-120			
LCS Dup (4C25038-BSD1)										
Mercury	0.525	0.100	mg/kg	0.481		109	80-120	2.45	20	
Matrix Spike (4C25038-MS1)					**Source: B4C0521-01**					
Mercury	1.12	0.223	mg/kg dry	1.11	0.0519	96.2	70-130			
Matrix Spike Dup (4C25038-MSD1)					**Source: B4C0521-01**					
Mercury	1.26	0.223	mg/kg dry	1.16	0.0519	104	70-130	11.8	30	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Total Metals by EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4D01041: Prepared 04/01/04 Using EPA 3020A										
Blank (4D01041-BLK1)										
Copper	ND	0.00100	mg/l							
Blank (4D01041-BLK2)										A-01
Copper	ND	0.00100	mg/l							
LCS (4D01041-BS1)										
Copper	0.0794	0.00100	mg/l	0.0800		99.3	80-120			
LCS (4D01041-BS2)										A-01
Copper	0.0798	0.00100	mg/l	0.0800		99.8	80-120			
LCS Dup (4D01041-BSD1)										
Copper	0.0786	0.00100	mg/l	0.0800		98.2	80-120	1.01	20	
LCS Dup (4D01041-BSD2)										A-01
Copper	0.0787	0.00100	mg/l	0.0800		98.4	80-120	1.39	20	
Matrix Spike (4D01041-MS1)					**Source: A4C0008-01**					A-01
Copper	0.0761	0.00100	mg/l	0.0800	0.00169	93.0	70-124			
Matrix Spike Dup (4D01041-MSD1)					**Source: A4C0008-01**					A-01
Copper	0.0773	0.00100	mg/l	0.0800	0.00169	94.5	70-124	1.56	20	
Post Spike (4D01041-PS1)					**Source: A4C0008-01**					A-01
Copper	0.0980		mg/l	0.100	0.00169	96.3	75-125			
Batch 4E07031: Prepared 05/07/04 Using EPA 7471A										
Blank (4E07031-BLK1)										
Mercury	ND	0.100	mg/kg							

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Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4E07031: Prepared 05/07/04 Using EPA 7471A										
LCS (4E07031-BS1)										
Mercury	0.515	0.100	mg/kg	0.500		103	80-120			
LCS Dup (4E07031-BSD1)										
Mercury	0.533	0.100	mg/kg	0.500		107	80-120	3.44	20	
Matrix Spike (4E07031-MS1)					**Source: A4C0008-16**					
Mercury	0.661	0.100	mg/kg dry	0.628	0.0717	93.8	70-130			
Matrix Spike Dup (4E07031-MSD1)					**Source: A4C0008-16**					
Mercury	0.703	0.100	mg/kg dry	0.628	0.0717	101	70-130	6.16	30	

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25010: Prepared 03/25/04 Using EPA 3520C										
Blank (4C25010-BLK1)										
Aroclor 1016	ND	0.500	ug/l							
Aroclor 1221	ND	0.500	"							
Aroclor 1232	ND	0.500	"							
Aroclor 1242	ND	0.500	"							
Aroclor 1248	ND	0.500	"							
Aroclor 1254	ND	0.500	"							
Aroclor 1260	ND	0.500	"							
Aroclor 1262	ND	0.500	"							
Aroclor 1268	ND	0.500	"							
Surrogate: TCX	*0.170*		"	*0.200*		*85.0*	*25-129*			
Surrogate: Decachlorobiphenyl	*0.130*		"	*0.200*		*65.0*	*22-125*			
LCS (4C25010-BS1)										
Aroclor 1016	1.70	0.500	ug/l	2.50		68.0	57-123			
Aroclor 1260	1.51	0.500	"	2.50		60.4	56-125			
Surrogate: TCX	*0.181*		"	*0.200*		*90.5*	*25-129*			
Surrogate: Decachlorobiphenyl	*0.151*		"	*0.200*		*75.5*	*22-125*			
LCS Dup (4C25010-BSD1)										
Aroclor 1016	1.89	0.500	ug/l	2.50		75.6	57-123	10.6	30	
Aroclor 1260	1.65	0.500	"	2.50		66.0	56-125	8.86	30	
Surrogate: TCX	*0.195*		"	*0.200*		*97.5*	*25-129*			
Surrogate: Decachlorobiphenyl	*0.150*		"	*0.200*		*75.0*	*22-125*			
Batch 4C25028: Prepared 03/25/04 Using EPA 3550B										
Blank (4C25028-BLK1)										
Aroclor 1016	ND	25.0	ug/kg							
Aroclor 1221	ND	50.0	"							
Aroclor 1232	ND	25.0	"							
Aroclor 1242	ND	25.0	"							
Aroclor 1248	ND	25.0	"							
Aroclor 1254	ND	25.0	"							
Aroclor 1260	ND	25.0	"							
Aroclor 1262	ND	25.0	"							

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25028: Prepared 03/25/04 Using EPA 3550B										
Blank (4C25028-BLK1)										
Aroclor 1268	ND	25.0	ug/kg							
Surrogate: TCX	*6.61*		"	*6.67*		*99.1*	*19-130*			
Surrogate: Decachlorobiphenyl	*6.42*		"	*6.67*		*96.3*	*10-155*			
LCS (4C25028-BS1)										
Aroclor 1016	62.5	25.0	ug/kg	83.3		75.0	69-123			
Aroclor 1260	68.1	25.0	"	83.3		81.8	66-140			
Surrogate: TCX	*6.40*		"	*6.67*		*96.0*	*19-130*			
Surrogate: Decachlorobiphenyl	*6.36*		"	*6.67*		*95.4*	*10-155*			
LCS Dup (4C25028-BSD1)										
Aroclor 1016	64.9	25.0	ug/kg	83.3		77.9	69-123	3.77	30	
Aroclor 1260	70.9	25.0	"	83.3		85.1	66-140	4.03	30	
Surrogate: TCX	*6.52*		"	*6.67*		*97.8*	*19-130*			
Surrogate: Decachlorobiphenyl	*6.39*		"	*6.67*		*95.8*	*10-155*			
Matrix Spike (4C25028-MS1)					**Source: B4C0449-13**					**C-02, X**
Aroclor 1016	39.9	25.0	ug/kg dry	92.2	ND	43.3	28-136			
Aroclor 1260	28.7	25.0	"	92.2	ND	31.1	35-152			Q-02
Surrogate: TCX	*5.98*		"	*7.38*		*81.0*	*19-149*			
Surrogate: Decachlorobiphenyl	*1.29*		"	*7.38*		*17.5*	*37-151*			*S-03*
Matrix Spike Dup (4C25028-MSD1)					**Source: B4C0449-13**					**C-02, X**
Aroclor 1016	23.1	25.0	ug/kg dry	94.7	ND	24.4	28-136	53.3	35	Q-02, Q-07
Aroclor 1260	18.7	25.0	"	94.7	ND	19.7	35-152	42.2	35	Q-02, Q-07
Surrogate: TCX	*3.81*		"	*7.57*		*50.3*	*19-149*			
Surrogate: Decachlorobiphenyl	*0.791*		"	*7.57*		*10.4*	*37-151*			*S-03*

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C29062: Prepared 03/30/04 Using EPA 5030B [MeOH]										
Blank (4C29062-BLK1)										
Acetone	ND	1.00	mg/kg							
Benzene	ND	0.100	"							
Bromobenzene	ND	0.100	"							
Bromochloromethane	ND	0.100	"							
Bromodichloromethane	ND	0.100	"							
Bromoform	ND	0.100	"							
Bromomethane	ND	0.100	"							
2-Butanone	ND	1.00	"							
n-Butylbenzene	ND	0.100	"							
sec-Butylbenzene	ND	0.100	"							
tert-Butylbenzene	ND	0.100	"							
Carbon disulfide	ND	0.100	"							
Carbon tetrachloride	ND	0.100	"							
Chlorobenzene	ND	0.100	"							
Chloroethane	ND	0.100	"							
Chloroform	ND	0.100	"							
Chloromethane	ND	0.500	"							
2-Chlorotoluene	ND	0.100	"							
4-Chlorotoluene	ND	0.100	"							
Dibromochloromethane	ND	0.100	"							
1,2-Dibromo-3-chloropropane	ND	0.500	"							
1,2-Dibromoethane	ND	0.100	"							
Dibromomethane	ND	0.100	"							
1,2-Dichlorobenzene	ND	0.100	"							
1,3-Dichlorobenzene	ND	0.100	"							
1,4-Dichlorobenzene	ND	0.100	"							
Dichlorodifluoromethane	ND	0.100	"							
1,1-Dichloroethane	ND	0.100	"							
1,2-Dichloroethane	ND	0.100	"							
1,1-Dichloroethene	ND	0.100	"							
cis-1,2-Dichloroethene	ND	0.100	"							
trans-1,2-Dichloroethene	ND	0.100	"							
1,2-Dichloropropane	ND	0.100	"							
1,3-Dichloropropane	ND	0.100	"							

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C29062: Prepared 03/30/04 Using EPA 5030B [MeOH]										
Blank (4C29062-BLK1)										
2,2-Dichloropropane	ND	0.100	mg/kg							
1,1-Dichloropropene	ND	0.100	"							
cis-1,3-Dichloropropene	ND	0.100	"							
trans-1,3-Dichloropropene	ND	0.100	"							
Ethylbenzene	ND	0.100	"							
Hexachlorobutadiene	ND	0.100	"							
2-Hexanone	ND	1.00	"							
Isopropylbenzene	ND	0.100	"							
p-Isopropyltoluene	ND	0.100	"							
4-Methyl-2-pentanone	ND	1.00	"							
Methylene chloride	ND	1.00	"							
Naphthalene	ND	0.100	"							
n-Propylbenzene	ND	0.100	"							
Styrene	ND	0.100	"							
1,2,3-Trichlorobenzene	ND	0.100	"							
1,2,4-Trichlorobenzene	ND	0.100	"							
1,1,1,2-Tetrachloroethane	ND	0.100	"							
1,1,2,2-Tetrachloroethane	ND	0.100	"							
Tetrachloroethene	ND	0.100	"							
Toluene	ND	0.100	"							
1,1,1-Trichloroethane	ND	0.100	"							
1,1,2-Trichloroethane	ND	0.100	"							
Trichloroethene	ND	0.100	"							
Trichlorofluoromethane	ND	0.100	"							
1,2,3-Trichloropropane	ND	0.100	"							
1,2,4-Trimethylbenzene	ND	0.100	"							
1,3,5-Trimethylbenzene	ND	0.100	"							
Vinyl chloride	ND	0.100	"							
o-Xylene	ND	0.100	"							
m,p-Xylene	ND	0.200	"							
Surrogate: 1,2-DCA-d4	*4.14*		"	*4.00*		*104*	*70-130*			
Surrogate: Toluene-d8	*3.84*		"	*4.00*		*96.0*	*70-130*			
Surrogate: 4-BFB	*4.39*		"	*4.00*		*110*	*70-130*			

North Creek Analytical - Alaska

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Mike Priebe, Technical Services Manager

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C29062: Prepared 03/30/04 Using EPA 5030B [MeOH]										
Blank (4C29062-BLK2)										
Acetone	ND	1.00	mg/kg							
Benzene	ND	0.100	"							
Bromobenzene	ND	0.100	"							
Bromochloromethane	ND	0.100	"							
Bromodichloromethane	ND	0.100	"							
Bromoform	ND	0.100	"							
Bromomethane	ND	0.100	"							
2-Butanone	ND	1.00	"							
n-Butylbenzene	ND	0.100	"							
sec-Butylbenzene	ND	0.100	"							
tert-Butylbenzene	ND	0.100	"							
Carbon disulfide	ND	0.100	"							
Carbon tetrachloride	ND	0.100	"							
Chlorobenzene	ND	0.100	"							
Chloroethane	ND	0.100	"							
Chloroform	ND	0.100	"							
Chloromethane	0.972	0.500	"							
2-Chlorotoluene	ND	0.100	"							
4-Chlorotoluene	ND	0.100	"							
Dibromochloromethane	ND	0.100	"							
1,2-Dibromo-3-chloropropane	ND	0.500	"							
1,2-Dibromoethane	ND	0.100	"							
Dibromomethane	ND	0.100	"							
1,2-Dichlorobenzene	ND	0.100	"							
1,3-Dichlorobenzene	ND	0.100	"							
1,4-Dichlorobenzene	ND	0.100	"							
Dichlorodifluoromethane	ND	0.100	"							
1,1-Dichloroethane	ND	0.100	"							
1,2-Dichloroethane	ND	0.100	"							
1,1-Dichloroethene	ND	0.100	"							
cis-1,2-Dichloroethene	ND	0.100	"							
trans-1,2-Dichloroethene	ND	0.100	"							
1,2-Dichloropropane	ND	0.100	"							
1,3-Dichloropropane	ND	0.100	"							

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Mike Priebe, Technical Services Manager

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C29062: Prepared 03/30/04 Using EPA 5030B [MeOH]										
Blank (4C29062-BLK2)										
2,2-Dichloropropane	ND	0.100	mg/kg							
1,1-Dichloropropene	ND	0.100	"							
cis-1,3-Dichloropropene	ND	0.100	"							
trans-1,3-Dichloropropene	ND	0.100	"							
Ethylbenzene	ND	0.100	"							
Hexachlorobutadiene	ND	0.100	"							
2-Hexanone	ND	1.00	"							
Isopropylbenzene	ND	0.100	"							
p-Isopropyltoluene	ND	0.100	"							
4-Methyl-2-pentanone	ND	1.00	"							
Methylene chloride	ND	1.00	"							
Naphthalene	ND	0.100	"							
n-Propylbenzene	ND	0.100	"							
Styrene	ND	0.100	"							
1,2,3-Trichlorobenzene	ND	0.100	"							
1,2,4-Trichlorobenzene	ND	0.100	"							
1,1,1,2-Tetrachloroethane	ND	0.100	"							
1,1,2,2-Tetrachloroethane	ND	0.100	"							
Tetrachloroethene	ND	0.100	"							
Toluene	ND	0.100	"							
1,1,1-Trichloroethane	ND	0.100	"							
1,1,2-Trichloroethane	ND	0.100	"							
Trichloroethene	ND	0.100	"							
Trichlorofluoromethane	ND	0.100	"							
1,2,3-Trichloropropane	ND	0.100	"							
1,2,4-Trimethylbenzene	ND	0.100	"							
1,3,5-Trimethylbenzene	ND	0.100	"							
Vinyl chloride	ND	0.100	"							
o-Xylene	ND	0.100	"							
m,p-Xylene	ND	0.200	"							
Surrogate: 1,2-DCA-d4	*3.88*		"	*4.00*		*97.0*	*70-130*			
Surrogate: Toluene-d8	*4.22*		"	*4.00*		*106*	*70-130*			
Surrogate: 4-BFB	*4.71*		"	*4.00*		*118*	*70-130*			

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C29062: Prepared 03/30/04 Using EPA 5030B [MeOH]										
Blank (4C29062-BLK3)										
Acetone	ND	1.00	mg/kg							
Benzene	ND	0.100	"							
Bromobenzene	ND	0.100	"							
Bromochloromethane	ND	0.100	"							
Bromodichloromethane	ND	0.100	"							
Bromoform	ND	0.100	"							
Bromomethane	ND	0.100	"							
2-Butanone	ND	1.00	"							
n-Butylbenzene	ND	0.100	"							
sec-Butylbenzene	ND	0.100	"							
tert-Butylbenzene	ND	0.100	"							
Carbon disulfide	ND	0.100	"							
Carbon tetrachloride	ND	0.100	"							
Chlorobenzene	ND	0.100	"							
Chloroethane	ND	0.100	"							
Chloroform	ND	0.100	"							
Chloromethane	ND	0.500	"							
2-Chlorotoluene	ND	0.100	"							
4-Chlorotoluene	ND	0.100	"							
Dibromochloromethane	ND	0.100	"							
1,2-Dibromo-3-chloropropane	ND	0.500	"							
1,2-Dibromoethane	ND	0.100	"							
Dibromomethane	ND	0.100	"							
1,2-Dichlorobenzene	ND	0.100	"							
1,3-Dichlorobenzene	ND	0.100	"							
1,4-Dichlorobenzene	ND	0.100	"							
Dichlorodifluoromethane	ND	0.100	"							
1,1-Dichloroethane	ND	0.100	"							
1,2-Dichloroethane	ND	0.100	"							
1,1-Dichloroethene	ND	0.100	"							
cis-1,2-Dichloroethene	ND	0.100	"							
trans-1,2-Dichloroethene	ND	0.100	"							
1,2-Dichloropropane	ND	0.100	"							
1,3-Dichloropropane	ND	0.100	"							

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Mike Priebe, Technical Services Manager

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C29062: Prepared 03/30/04 Using EPA 5030B [MeOH]										
Blank (4C29062-BLK3)										
2,2-Dichloropropane	ND	0.100	mg/kg							
1,1-Dichloropropene	ND	0.100	"							
cis-1,3-Dichloropropene	ND	0.100	"							
trans-1,3-Dichloropropene	ND	0.100	"							
Ethylbenzene	ND	0.100	"							
Hexachlorobutadiene	ND	0.100	"							
2-Hexanone	ND	1.00	"							
Isopropylbenzene	ND	0.100	"							
p-Isopropyltoluene	ND	0.100	"							
4-Methyl-2-pentanone	ND	1.00	"							
Methylene chloride	ND	1.00	"							
Naphthalene	ND	0.100	"							
n-Propylbenzene	ND	0.100	"							
Styrene	ND	0.100	"							
1,2,3-Trichlorobenzene	ND	0.100	"							
1,2,4-Trichlorobenzene	ND	0.100	"							
1,1,1,2-Tetrachloroethane	ND	0.100	"							
1,1,2,2-Tetrachloroethane	ND	0.100	"							
Tetrachloroethene	ND	0.100	"							
Toluene	ND	0.100	"							
1,1,1-Trichloroethane	ND	0.100	"							
1,1,2-Trichloroethane	ND	0.100	"							
Trichloroethene	ND	0.100	"							
Trichlorofluoromethane	ND	0.100	"							
1,2,3-Trichloropropane	ND	0.100	"							
1,2,4-Trimethylbenzene	ND	0.100	"							
1,3,5-Trimethylbenzene	ND	0.100	"							
Vinyl chloride	ND	0.100	"							
o-Xylene	ND	0.100	"							
m,p-Xylene	ND	0.200	"							
Surrogate: 1,2-DCA-d4	*4.09*		"	*4.00*		*102*	*70-130*			
Surrogate: Toluene-d8	*4.48*		"	*4.00*		*112*	*70-130*			
Surrogate: 4-BFB	*4.03*		"	*4.00*		*101*	*70-130*			

North Creek Analytical - Alaska

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C29062: Prepared 03/30/04 Using EPA 5030B [MeOH]										
LCS (4C29062-BS1)										
Benzene	0.954	0.100	mg/kg	1.00		95.4	75-125			
Chlorobenzene	0.922	0.100	"	1.00		92.2	74-128			
1,1-Dichloroethene	0.986	0.100	"	1.00		98.6	57-122			
Toluene	0.970	0.100	"	1.00		97.0	74-121			
Trichloroethene	0.962	0.100	"	1.00		96.2	72-122			
Surrogate: 1,2-DCA-d4	*4.12*		"	*4.00*		*103*	*70-130*			
Surrogate: Toluene-d8	*3.97*		"	*4.00*		*99.2*	*70-130*			
Surrogate: 4-BFB	*3.82*		"	*4.00*		*95.5*	*70-130*			
LCS Dup (4C29062-BSD1)										
Benzene	0.884	0.100	mg/kg	1.00		88.4	75-125	7.62	20	
Chlorobenzene	0.878	0.100	"	1.00		87.8	74-128	4.89	20	
1,1-Dichloroethene	0.880	0.100	"	1.00		88.0	57-122	11.4	20	
Toluene	0.888	0.100	"	1.00		88.8	74-121	8.83	20	
Trichloroethene	0.928	0.100	"	1.00		92.8	72-122	3.60	20	
Surrogate: 1,2-DCA-d4	*4.07*		"	*4.00*		*102*	*70-130*			
Surrogate: Toluene-d8	*4.04*		"	*4.00*		*101*	*70-130*			
Surrogate: 4-BFB	*3.57*		"	*4.00*		*89.2*	*70-130*			
Matrix Spike (4C29062-MS1)					**Source: A4C0008-12**					
Benzene	1.57	0.100	mg/kg dry	1.38	ND	114	61-130			
Chlorobenzene	1.45	0.100	"	1.38	ND	105	62-129			
1,1-Dichloroethene	1.74	0.100	"	1.38	ND	126	42-127			
Toluene	1.71	0.100	"	1.38	ND	124	62-125			
Trichloroethene	1.59	0.100	"	1.38	ND	115	55-130			
Surrogate: 1,2-DCA-d4	*6.03*		"	*5.51*		*109*	*70-130*			
Surrogate: Toluene-d8	*5.93*		"	*5.51*		*108*	*70-130*			
Surrogate: 4-BFB	*5.56*		"	*5.51*		*101*	*70-130*			

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C29062: Prepared 03/30/04 Using EPA 5030B [MeOH]										
Matrix Spike Dup (4C29062-MSD1)					**Source: A4C0008-12**					
Benzene	1.53	0.100	mg/kg dry	1.38	ND	111	61-130	2.58	25	
Chlorobenzene	1.56	0.100	"	1.38	ND	113	62-129	7.31	25	
1,1-Dichloroethene	1.78	0.100	"	1.38	ND	129	42-127	2.27	25	Q-01
Toluene	1.64	0.100	"	1.38	ND	119	62-125	4.18	25	
Trichloroethene	1.37	0.100	"	1.38	ND	99.3	55-130	14.9	25	
Surrogate: 1,2-DCA-d4	*5.50*		"	*5.51*		*99.8*	*70-130*			
Surrogate: Toluene-d8	*5.62*		"	*5.51*		*102*	*70-130*			
Surrogate: 4-BFB	*7.84*		"	*5.51*		*142*	*70-130*			*S-03*
Batch 4C30054: Prepared 03/29/04 Using EPA 5030B										
Blank (4C30054-BLK1)										
Methyl tert-butyl ether	ND	0.500	ug/l							
Acetone	ND	10.0	"							
Benzene	ND	0.250	"							
Bromobenzene	ND	0.250	"							
Bromochloromethane	ND	0.500	"							
Bromodichloromethane	ND	0.500	"							
Bromoform	ND	0.200	"							
Bromomethane	ND	0.500	"							
2-Butanone	ND	2.00	"							
n-Butylbenzene	ND	0.500	"							
sec-Butylbenzene	ND	0.500	"							
tert-Butylbenzene	ND	0.500	"							
Carbon disulfide	ND	0.500	"							
Carbon tetrachloride	ND	0.500	"							
Chlorobenzene	ND	0.250	"							
Chloroethane	ND	0.500	"							
Chloroform	ND	0.500	"							
Chloromethane	ND	0.500	"							
2-Chlorotoluene	ND	0.250	"							
4-Chlorotoluene	ND	0.500	"							
Dibromochloromethane	ND	0.500	"							
1,2-Dibromo-3-chloropropane	ND	0.500	"							
1,2-Dibromoethane	ND	0.500	"							

North Creek Analytical - Alaska

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C30054: Prepared 03/29/04 Using EPA 5030B										
Blank (4C30054-BLK1)										
Dibromomethane	ND	0.250	ug/l							
1,2-Dichlorobenzene	ND	0.500	"							
1,3-Dichlorobenzene	ND	0.500	"							
1,4-Dichlorobenzene	ND	0.500	"							
Dichlorodifluoromethane	ND	0.500	"							
1,1-Dichloroethane	ND	0.500	"							
1,2-Dichloroethane	ND	0.500	"							
1,1-Dichloroethene	ND	0.500	"							
cis-1,2-Dichloroethene	ND	0.500	"							
trans-1,2-Dichloroethene	ND	0.500	"							
1,2-Dichloropropane	ND	0.200	"							
1,3-Dichloropropane	ND	0.500	"							
2,2-Dichloropropane	ND	0.200	"							
1,1-Dichloropropene	ND	0.500	"							
cis-1,3-Dichloropropene	ND	0.250	"							
trans-1,3-Dichloropropene	ND	0.200	"							
Ethylbenzene	ND	0.250	"							
Hexachlorobutadiene	ND	0.500	"							
2-Hexanone	ND	2.00	"							
Isopropylbenzene	ND	0.500	"							
p-Isopropyltoluene	ND	0.500	"							
4-Methyl-2-pentanone	ND	2.00	"							
Methylene chloride	ND	0.500	"							
Naphthalene	ND	0.500	"							
n-Propylbenzene	ND	0.500	"							
Styrene	ND	0.250	"							
1,2,3-Trichlorobenzene	ND	0.500	"							
1,2,4-Trichlorobenzene	ND	0.500	"							
1,1,1,2-Tetrachloroethane	ND	0.250	"							
1,1,2,2-Tetrachloroethane	ND	0.500	"							
Tetrachloroethene	ND	0.500	"							
Toluene	ND	0.250	"							
1,1,1-Trichloroethane	ND	0.500	"							
1,1,2-Trichloroethane	ND	0.500	"							

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C30054: Prepared 03/29/04 Using EPA 5030B										
Blank (4C30054-BLK1)										
Trichloroethene	ND	0.250	ug/l							
Trichlorofluoromethane	ND	0.200	"							
1,2,3-Trichloropropane	ND	0.500	"							
1,2,4-Trimethylbenzene	ND	0.250	"							
1,3,5-Trimethylbenzene	ND	0.250	"							
Vinyl chloride	ND	0.500	"							
o-Xylene	ND	0.250	"							
m,p-Xylene	ND	0.500	"							
Surrogate: 1,2-DCA-d4	*21.1*		"	*20.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*20.2*		"	*20.0*		*101*	*70-130*			
Surrogate: 4-BFB	*19.5*		"	*20.0*		*97.5*	*70-130*			
LCS (4C30054-BS1)										
Methyl tert-butyl ether	9.77	0.500	ug/l	10.0		97.7	80-120			
Benzene	9.99	0.250	"	10.0		99.9	80-120			
Chlorobenzene	10.1	0.250	"	10.0		101	77-120			
1,1-Dichloroethene	10.6	0.500	"	10.0		106	80-120			
Toluene	9.94	0.250	"	10.0		99.4	80-120			
Trichloroethene	9.44	0.250	"	10.0		94.4	80-120			
Surrogate: 1,2-DCA-d4	*21.1*		"	*20.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*20.3*		"	*20.0*		*102*	*70-130*			
Surrogate: 4-BFB	*20.2*		"	*20.0*		*101*	*70-130*			
LCS Dup (4C30054-BSD1)										
Methyl tert-butyl ether	9.86	0.500	ug/l	10.0		98.6	80-120	0.917	20	
Benzene	10.2	0.250	"	10.0		102	80-120	2.08	20	
Chlorobenzene	9.95	0.250	"	10.0		99.5	77-120	1.50	20	
1,1-Dichloroethene	10.5	0.500	"	10.0		105	80-120	0.948	20	
Toluene	10.0	0.250	"	10.0		100	80-120	0.602	20	
Trichloroethene	10.2	0.250	"	10.0		102	80-120	7.74	20	
Surrogate: 1,2-DCA-d4	*20.5*		"	*20.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*20.0*		"	*20.0*		*100*	*70-130*			
Surrogate: 4-BFB	*19.7*		"	*20.0*		*98.5*	*70-130*			

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25011: Prepared 03/25/04 Using EPA 3520C										
Blank (4C25011-BLK1)										
Acenaphthene	ND	10.0	ug/l							
Acenaphthylene	ND	10.0	"							
Anthracene	ND	10.0	"							
Benzo (a) anthracene	ND	10.0	"							
Benzo (a) pyrene	ND	10.0	"							
Benzo (b) fluoranthene	ND	10.0	"							
Benzo (k) fluoranthene	ND	10.0	"							
Benzo (ghi) perylene	ND	10.0	"							
Benzyl alcohol	ND	10.0	"							
Bis(2-chloroethoxy)methane	ND	10.0	"							
Bis(2-chloroethyl)ether	ND	10.0	"							
Bis(2-chloroisopropyl)ether	ND	10.0	"							
Bis(2-ethylhexyl)phthalate	ND	50.0	"							
4-Bromophenyl phenyl ether	ND	10.0	"							
Butyl benzyl phthalate	ND	10.0	"							
Carbazole	ND	10.0	"							
4-Chloroaniline	ND	10.0	"							
2-Chloronaphthalene	ND	10.0	"							
4-Chlorophenyl phenyl ether	ND	10.0	"							
Chrysene	ND	10.0	"							
Di-n-butyl phthalate	ND	10.0	"							
Dibenz (a,h) anthracene	ND	10.0	"							
Dibenzofuran	ND	10.0	"							
1,2-Dichlorobenzene	ND	10.0	"							
1,3-Dichlorobenzene	ND	10.0	"							
1,4-Dichlorobenzene	ND	10.0	"							
3,3'-Dichlorobenzidine	ND	10.0	"							
Diethyl phthalate	ND	10.0	"							
Dimethyl phthalate	ND	10.0	"							
2,4-Dinitrotoluene	ND	10.0	"							
2,6-Dinitrotoluene	ND	10.0	"							
Fluoranthene	ND	10.0	"							
Fluorene	ND	10.0	"							
Hexachlorobenzene	ND	10.0	"							

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25011: Prepared 03/25/04 Using EPA 3520C										
Blank (4C25011-BLK1)										
Hexachlorobutadiene	ND	10.0	ug/l							
Hexachlorocyclopentadiene	ND	10.0	"							
Hexachloroethane	ND	10.0	"							
Indeno (1,2,3-cd) pyrene	ND	10.0	"							
Isophorone	ND	10.0	"							
2-Methylnaphthalene	ND	10.0	"							
Naphthalene	ND	10.0	"							
4-Nitroaniline	ND	10.0	"							
Nitrobenzene	ND	10.0	"							
Di-n-octyl phthalate	ND	10.0	"							
Phenanthrene	ND	10.0	"							
Pyrene	ND	10.0	"							
1,2,4-Trichlorobenzene	ND	10.0	"							
Surrogate: 2-FBP	*41.3*		"	*50.0*		*82.6*	*41-129*			
Surrogate: Nitrobenzene-d5	*44.2*		"	*50.0*		*88.4*	*44-124*			
Surrogate: p-Terphenyl-d14	*49.2*		"	*50.0*		*98.4*	*10-132*			
LCS (4C25011-BS1)										
Acenaphthene	95.2	10.0	ug/l	100		95.2	66-119			
1,4-Dichlorobenzene	97.3	10.0	"	100		97.3	43-122			
2,4-Dinitrotoluene	106	10.0	"	100		106	67-129			
Pyrene	95.2	10.0	"	100		95.2	59-134			
1,2,4-Trichlorobenzene	98.3	10.0	"	100		98.3	52-120			
Surrogate: 2-FBP	*47.9*		"	*50.0*		*95.8*	*41-129*			
Surrogate: Nitrobenzene-d5	*43.5*		"	*50.0*		*87.0*	*44-124*			
Surrogate: p-Terphenyl-d14	*48.7*		"	*50.0*		*97.4*	*10-132*			
LCS Dup (4C25011-BSD1)										
Acenaphthene	97.7	10.0	ug/l	100		97.7	66-119	2.59	49	
1,4-Dichlorobenzene	87.9	10.0	"	100		87.9	43-122	10.2	26	
2,4-Dinitrotoluene	98.6	10.0	"	100		98.6	67-129	7.23	29	
Pyrene	108	10.0	"	100		108	59-134	12.6	50	
1,2,4-Trichlorobenzene	97.5	10.0	"	100		97.5	52-120	0.817	25	
Surrogate: 2-FBP	*45.4*		"	*50.0*		*90.8*	*41-129*			
Surrogate: Nitrobenzene-d5	*43.2*		"	*50.0*		*86.4*	*44-124*			

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25011: Prepared 03/25/04 Using EPA 3520C										
LCS Dup (4C25011-BSD1)										
Surrogate: p-Terphenyl-d14	*55.7*		*ug/l*	*50.0*		*111*	*10-132*			
Batch 4C25014: Prepared 03/25/04 Using EPA 3545										
Blank (4C25014-BLK1)										
Acenaphthene	ND	0.330	mg/kg							
Acenaphthylene	ND	0.330	"							
Anthracene	ND	0.330	"							
Benzo (a) anthracene	ND	0.330	"							
Benzo (a) pyrene	ND	0.330	"							
Benzo (b) fluoranthene	ND	0.330	"							
Benzo (k) fluoranthene	ND	0.330	"							
Benzo (ghi) perylene	ND	0.330	"							
Benzyl alcohol	ND	0.330	"							
Bis(2-chloroethoxy)methane	ND	0.330	"							
Bis(2-chloroethyl)ether	ND	0.330	"							
Bis(2-chloroisopropyl)ether	ND	0.330	"							
Bis(2-ethylhexyl)phthalate	ND	0.330	"							
4-Bromophenyl phenyl ether	ND	0.330	"							
Butyl benzyl phthalate	ND	0.330	"							
Carbazole	ND	0.330	"							
4-Chloroaniline	ND	0.500	"							
2-Chloronaphthalene	ND	0.330	"							
4-Chlorophenyl phenyl ether	ND	0.330	"							
Chrysene	ND	0.330	"							
Di-n-butyl phthalate	ND	0.330	"							
Dibenz (a,h) anthracene	ND	0.330	"							
Dibenzofuran	ND	0.330	"							
1,2-Dichlorobenzene	ND	0.330	"							
1,3-Dichlorobenzene	ND	0.330	"							
1,4-Dichlorobenzene	ND	0.330	"							
3,3'-Dichlorobenzidine	ND	5.00	"							
Diethyl phthalate	ND	0.330	"							
Dimethyl phthalate	ND	0.330	"							

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25014: Prepared 03/25/04 Using EPA 3545										
Blank (4C25014-BLK1)										
2,4-Dinitrotoluene	ND	0.500	mg/kg							
2,6-Dinitrotoluene	ND	0.500	"							
Fluoranthene	ND	0.330	"							
Fluorene	ND	0.330	"							
Hexachlorobenzene	ND	0.330	"							
Hexachlorobutadiene	ND	0.330	"							
Hexachlorocyclopentadiene	ND	0.500	"							
Hexachloroethane	ND	0.330	"							
Indeno (1,2,3-cd) pyrene	ND	0.330	"							
Isophorone	ND	0.330	"							
2-Methylnaphthalene	ND	0.330	"							
Naphthalene	ND	0.330	"							
Nitrobenzene	ND	0.330	"							
Di-n-octyl phthalate	ND	0.330	"							
Phenanthrene	ND	0.330	"							
Pyrene	ND	0.330	"							
1,2,4-Trichlorobenzene	ND	0.330	"							
Surrogate: 2-FBP	*1.60*		"	*1.67*		*95.8*	*36-146*			
Surrogate: Nitrobenzene-d5	*1.60*		"	*1.67*		*95.8*	*48-127*			
Surrogate: p-Terphenyl-d14	*1.44*		"	*1.67*		*86.2*	*44-144*			
LCS (4C25014-BS1)										
Acenaphthene	3.29	0.330	mg/kg	3.33		98.8	69-124			
1,4-Dichlorobenzene	3.35	0.330	"	3.33		101	47-138			
2,4-Dinitrotoluene	3.69	0.500	"	3.33		111	71-133			
Pyrene	3.31	0.330	"	3.33		99.4	75-135			
1,2,4-Trichlorobenzene	2.88	0.330	"	3.33		86.5	61-126			
Surrogate: 2-FBP	*1.57*		"	*1.67*		*94.0*	*36-146*			
Surrogate: Nitrobenzene-d5	*1.39*		"	*1.67*		*83.2*	*48-127*			
Surrogate: p-Terphenyl-d14	*1.56*		"	*1.67*		*93.4*	*44-144*			

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C25014: Prepared 03/25/04 Using EPA 3545										
LCS Dup (4C25014-BSD1)										
Acenaphthene	3.19	0.330	mg/kg	3.33		95.8	69-124	3.09	24	
1,4-Dichlorobenzene	3.42	0.330	"	3.33		103	47-138	2.07	26	
2,4-Dinitrotoluene	3.61	0.500	"	3.33		108	71-133	2.19	21	
Pyrene	3.21	0.330	"	3.33		96.4	75-135	3.07	17	
1,2,4-Trichlorobenzene	2.86	0.330	"	3.33		85.9	61-126	0.697	22	
Surrogate: 2-FBP	*1.56*		"	*1.67*		*93.4*	*36-146*			
Surrogate: Nitrobenzene-d5	*1.53*		"	*1.67*		*91.6*	*48-127*			
Surrogate: p-Terphenyl-d14	*1.56*		"	*1.67*		*93.4*	*44-144*			

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Hart Crowser, Inc. 2550 Denali Street, Suite 705 Anchorage, AK/USA 99503	Project: Ship Creek Project Number: [none] Project Manager: Frank Marley	**Reported:** 05/11/04 15:05

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C31024: Prepared 03/31/04 Using Dry Weight										
Blank (4C31024-BLK1)										
Dry Weight	99.8	1.00	%							

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Notes and Definitions

X	See case narrative.
S-03	The surrogate recovery for this sample is outside of established control limits. Review of associated QC indicates the recovery for this surrogate does not represent an out-of-control condition.
Q-15	Analyses are not controlled on matrix spike RPD and/or percent recoveries when the sample concentration is significantly higher than the spike level.
Q-13	Multiple analyses indicate the percent recovery is outside the control limits due to a matrix effect.
Q-07	The RPD value for this QC sample is above the established control limit. Review of associated QC indicates the high RPD does not represent an out-of-control condition for the batch.
Q-02	The spike recovery for this QC sample is outside of NCA established control limits due to sample matrix interference.
Q-01	The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the recovery for this analyte does not represent an out-of-control condition for the batch.
I-02	This sample was analyzed outside of the recommended holding time.
G-06	The field surrogate for this sample is outside established control limits. Acceptable laboratory surrogate recovery suggests the field surrogate was partially lost during sampling or sample handling.
C-02	To reduce matrix interference, the sample extract has undergone copper clean-up, method 3660, which is specific to sulfur contamination.
A-01	Lab filtered and analyzed as a total as per the client.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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