chilkat environmental

Box 865 Haines, AK 99827 (907) 766-3897 chilkat@chilkatenvironmental.com

5/7/2009

State of Alaska, Alaska Department of Environmental Conservation
Division of Spill Prevention and Response, Contaminated Sites Program
Bruce Wanstall, Project Manager
410 Willoughby Ave, Suite 303
PO Box 111800
Juneau, AK 99801

Re: File 1508.38.009: Characterization of the estimated 317 cubic yard contaminated soil stockpile at Chilkoot Lumber Company.

Mr. Bruce Wanstall,

Chilkat Environmental conducted characterization sampling of this stockpile on 4/25/09 pursuant to the workplan submitted September 3, 2008 and approved September 8. Last fall we covered the pile with three layers of 10 mil polyethylene joined with Tyvek tape and tied it down using ground line and construction stakes. The containment was successful at containing the stockpile through the winter. To gain access for sampling the cover was cut open in 5 areas ranging from 2 square feet to 20. The cover has not yet been repaired in anticipation that it may meet standards for use as fill on the site.

As discussed in the workplan the first 60 cubic yards of material that was present in 2000 and known to have tested high at that time was characterized by one representative composite sample to include DRO, RRO and PAH analyses. Four samples were collected from 1', 2', 3', and 4' depths. Samples were acquired using hand tools and an AMS sampling auger after attempts to acquire samples with only the auger and with a gas powered post hole digger failed due to material density and angularity. The maximum depth sampled was 4 feet below surface at the center of the pile. Refer to Figure 1 for and image of the sampling locations and depths.

The remaining 257 cubic yards was characterized by analyses of 4 discrete representative samples. Care was taken to consider any distinct soil types for discrete sample but the material appeared homogenous. Each sample was analyzed for RRO, DRO and PAH. (Figure 2)

PID headspace analyses, odor and sheen testing was conducted for each sample to generate a matrix of results to aid in anticipated screening of like material with common contaminants. The lab report is attached to this document. In summary, no variation was discovered in the levels of contamination in the composited portion of the pile compared to the remainder of the pile, which was historically documented as more contaminated. The stockpile demonstrated DRO results from 288 ppm to 2140

ppm and RR0 results from 836 ppm to 6870 ppm. Patterns in the distribution of contamination in the pile vertically or horizontally were not detected by the volume of sampling conducted.

Analytes	**C-1**	**D-1**	**D-2**	**D-3**	**D-3A (Field Replicate of D-3)**	**D-4**
Depth	Varied	6'	4'	4'	4'	2'
PAH	ND	ND	ND	ND	ND	ND
DRO	1660	412	288	1840	2000	2140
RRO	5750	1370	836	5520	6350	6870

Figure 2: Laboratory Results in ppm reported in Test America Laboratory Report Work Order # BSD0309 and Project #8087500

Interpretation of this data for management of the pile remains contingent on determination of cleanup standards that apply to the site. It is understood that standards may be applied to the site by ownership and could distinguish between properties owned by the responsible party versus State of Alaska lease properties. We request consideration of the request submitted October 6, 2008 for determination of clean-up levels that will be required at the site. This information is also required to guide planned excavation of contaminated soil this summer at locations identified in the October 6 request.

Elijah Donat MS PMP
907/303-7899 cell
elijah@chilkatenvironmental.com

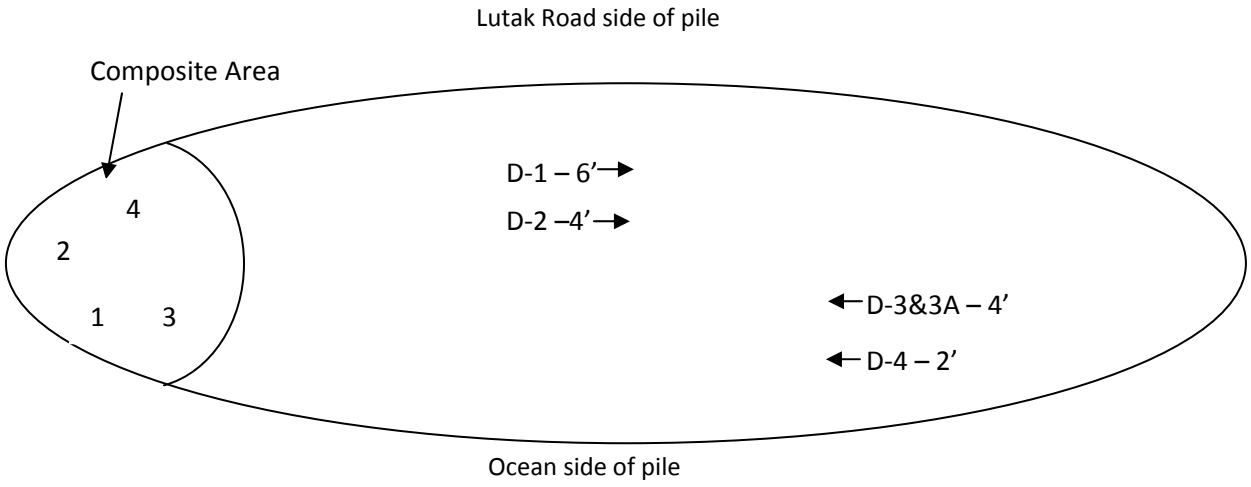

Figure 1: Field Sampling Areas

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May 05, 2009

William Prisciandaro
Chilkat Environmental
P.O. Box 895
Haines, AK 99827

RE: Chilkoot Lumber Company

Enclosed are the results of analyses for samples received by the laboratory on 04/28/09 16:45. The following list is a summary of the Work Orders contained in this report, generated on 05/05/09 12:42.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BSD0309	Chilkoot Lumber Company	88087500

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Chilkat Environmental	Project Name:	**Chilkoot Lumber Company**	
P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-1	BSD0309-01	Soil	04/25/09 13:00	04/28/09 16:45
D-1	BSD0309-02	Soil	04/25/09 13:35	04/28/09 16:45
D-2	BSD0309-03	Soil	04/25/09 13:57	04/28/09 16:45
D-3	BSD0309-04	Soil	04/25/09 14:12	04/28/09 16:45
D-3A	BSD0309-05	Soil	04/25/09 14:12	04/28/09 16:45
D-4	BSD0309-06	Soil	04/25/09 14:28	04/28/09 16:45

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P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

Diesel Hydrocarbons (C10-C25) and Heavy Oil (C25-C36) by AK102 and AK103

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSD0309-01RE1 (C-1)		**Soil**			**Sampled: 04/25/09 13:00**					
Diesel Range Hydrocarbons	AK102_103	**1660**	-----	218	mg/kg dry	50x	9D29022	04/29/09 12:29	04/30/09 16:48	**Q6**
Residual Range Organics	"	**5750**	-----	1360	"	"	"	"	"	
Surrogate(s): 2-FBP			*NR*		*50 - 150 %*	"			"	***Z3***
Octacosane			*NR*		*50 - 150 %*	"			"	***Z3***
BSD0309-02 (D-1)		**Soil**			**Sampled: 04/25/09 13:35**					
Diesel Range Hydrocarbons	AK102_103	**412**	-----	4.56	mg/kg dry	1x	9D29022	04/29/09 12:29	04/29/09 21:17	**Q6**
Surrogate(s): 2-FBP			*95.2%*		*50 - 150 %*	"			"	
Octacosane			*91.5%*		*50 - 150 %*	"			"	
BSD0309-02RE1 (D-1)		**Soil**			**Sampled: 04/25/09 13:35**					
Residual Range Organics	AK102_103	**1370**	-----	285	mg/kg dry	10x	9D29022	04/29/09 12:29	04/30/09 17:10	
Surrogate(s): 2-FBP			*94.4%*		*50 - 150 %*	"			"	
Octacosane			*99.6%*		*50 - 150 %*	"			"	
BSD0309-03 (D-2)		**Soil**			**Sampled: 04/25/09 13:57**					
Diesel Range Hydrocarbons	AK102_103	**288**	-----	4.36	mg/kg dry	1x	9D29022	04/29/09 12:29	04/29/09 21:39	**Q6**
Surrogate(s): 2-FBP			*92.7%*		*50 - 150 %*	"			"	
Octacosane			*95.5%*		*50 - 150 %*	"			"	
BSD0309-03RE1 (D-2)		**Soil**			**Sampled: 04/25/09 13:57**					
Residual Range Organics	AK102_103	**836**	-----	136	mg/kg dry	5x	9D29022	04/29/09 12:29	04/30/09 17:32	
Surrogate(s): 2-FBP			*95.0%*		*50 - 150 %*	"			"	
Octacosane			*102%*		*50 - 150 %*	"			"	
BSD0309-04RE1 (D-3)		**Soil**			**Sampled: 04/25/09 14:12**					
Diesel Range Hydrocarbons	AK102_103	**1840**	-----	217	mg/kg dry	50x	9D29022	04/29/09 12:29	04/30/09 17:55	**Q6**
Residual Range Organics	"	**5520**	-----	1350	"	"	"	"	"	
Surrogate(s): 2-FBP			*NR*		*50 - 150 %*	"			"	***Z3***
Octacosane			*NR*		*50 - 150 %*	"			"	***Z3***

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P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

Diesel Hydrocarbons (C10-C25) and Heavy Oil (C25-C36) by AK102 and AK103

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSD0309-05RE1 (D-3A)		**Soil**			**Sampled: 04/25/09 14:12**					
Diesel Range Hydrocarbons	AK102_103	**2000**	-----	216	mg/kg dry	50x	9D29022	04/29/09 12:29	04/30/09 18:17	**Q6**
Residual Range Organics	"	**6350**	-----	1350	"	"	"	"	"	
Surrogate(s): 2-FBP			*NR*		*50 - 150 %*	"			"	***Z3***
Octacosane			*NR*		*50 - 150 %*	"			"	***Z3***
BSD0309-06RE1 (D-4)		**Soil**			**Sampled: 04/25/09 14:28**					
Diesel Range Hydrocarbons	AK102_103	**2140**	-----	86.6	mg/kg dry	20x	9D29022	04/29/09 12:29	04/30/09 18:39	**Q6**
Surrogate(s): 2-FBP			*88.5%*		*50 - 150 %*	"			"	
Octacosane			*114%*		*50 - 150 %*	"			"	
BSD0309-06RE2 (D-4)		**Soil**			**Sampled: 04/25/09 14:28**					
Residual Range Organics	AK102_103	**6870**	-----	1350	mg/kg dry	50x	9D29022	04/29/09 12:29	05/01/09 16:47	
Surrogate(s): 2-FBP			*NR*		*50 - 150 %*	"			"	***Z3***
Octacosane			*NR*		*50 - 150 %*	"			"	***Z3***

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Chilkat Environmental	Project Name:	**Chilkoot Lumber Company**	
P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSD0309-01 (C-1)		**Soil**			**Sampled: 04/25/09 13:00**					
Acenaphthene	8270C-SIM	ND	-----	0.0110	mg/kg dry	1x	9D29023	04/29/09 12:30	04/30/09 15:41	I
Acenaphthylene	"	ND	-----	0.0110	"	"	"	"	"	I
Anthracene	"	ND	-----	0.0110	"	"	"	"	"	I
Benzo (a) anthracene	"	ND	-----	0.0110	"	"	"	"	"	I
Benzo (a) pyrene	"	ND	-----	0.0110	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0110	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0110	"	"	"	"	"	
Benzo (b & k) fluoranthene	"	ND	-----	0.0220	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0110	"	"	"	"	"	
Chrysene	"	ND	-----	0.0110	"	"	"	"	"	I
Dibenz (a,h) anthracene	"	ND	-----	0.0110	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.0110	"	"	"	"	"	I
Fluorene	"	ND	-----	0.0110	"	"	"	"	"	I
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0110	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0110	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0110	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0110	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.0110	"	"	"	"	"	I
Pyrene	"	ND	-----	0.0110	"	"	"	"	"	I
Surrogate(s): p-Terphenyl-d14			*44.1%*		*46 - 125 %*	"			"	***ZX, I***
BSD0309-02 (D-1)		**Soil**			**Sampled: 04/25/09 13:35**					**I**
Acenaphthene	8270C-SIM	ND	-----	0.0114	mg/kg dry	1x	9D29023	04/29/09 12:30	04/30/09 16:06	
Acenaphthylene	"	ND	-----	0.0114	"	"	"	"	"	
Anthracene	"	ND	-----	0.0114	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0114	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.0114	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0114	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0114	"	"	"	"	"	
Benzo (b & k) fluoranthene	"	ND	-----	0.0227	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0114	"	"	"	"	"	
Chrysene	"	ND	-----	0.0114	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	0.0114	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.0114	"	"	"	"	"	
Fluorene	"	ND	-----	0.0114	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0114	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0114	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0114	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0114	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.0114	"	"	"	"	"	
Pyrene	"	ND	-----	0.0114	"	"	"	"	"	

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Chilkat Environmental	Project Name:	**Chilkoot Lumber Company**	
P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSD0309-02 (D-1)		**Soil**			**Sampled: 04/25/09 13:35**					**I**
Surrogate(s): p-Terphenyl-d14		*52.5%*			*46 - 125 %*	*1x*			*04/30/09 16:06*	
BSD0309-03 (D-2)		**Soil**			**Sampled: 04/25/09 13:57**					**I**
Acenaphthene	8270C-SIM	ND	-----	0.0109	mg/kg dry	1x	9D29023	04/29/09 12:30	04/30/09 16:32	
Acenaphthylene	"	ND	-----	0.0109	"	"	"	"	"	
Anthracene	"	ND	-----	0.0109	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0109	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.0109	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0109	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0109	"	"	"	"	"	
Benzo (b & k) fluoranthene	"	ND	-----	0.0218	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0109	"	"	"	"	"	
Chrysene	"	ND	-----	0.0109	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	0.0109	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.0109	"	"	"	"	"	
Fluorene	"	ND	-----	0.0109	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0109	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0109	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0109	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0109	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.0109	"	"	"	"	"	
Pyrene	"	ND	-----	0.0109	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		*51.3%*			*46 - 125 %*	"			"	
BSD0309-04 (D-3)		**Soil**			**Sampled: 04/25/09 14:12**					
Acenaphthene	8270C-SIM	ND	-----	0.0110	mg/kg dry	1x	9D29023	04/29/09 12:30	04/30/09 16:58	**I**
Acenaphthylene	"	ND	-----	0.0110	"	"	"	"	"	**I**
Anthracene	"	ND	-----	0.0110	"	"	"	"	"	**I**
Benzo (a) anthracene	"	ND	-----	0.0110	"	"	"	"	"	**I**
Benzo (a) pyrene	"	ND	-----	0.0110	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0110	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0110	"	"	"	"	"	
Benzo (b & k) fluoranthene	"	ND	-----	0.0219	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0110	"	"	"	"	"	
Chrysene	"	ND	-----	0.0110	"	"	"	"	"	**I**
Dibenz (a,h) anthracene	"	ND	-----	0.0110	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.0110	"	"	"	"	"	**I**
Fluorene	"	ND	-----	0.0110	"	"	"	"	"	**I**
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0110	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0110	"	"	"	"	"	**I**
2-Methylnaphthalene	"	ND	-----	0.0110	"	"	"	"	"	**I**

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TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSD0309-04 (D-3)		**Soil**			**Sampled: 04/25/09 14:12**					
Naphthalene	8270C-SIM	ND	-----	0.0110	mg/kg dry	1x	9D29023	04/29/09 12:30	04/30/09 16:58	I
Phenanthrene	"	ND	-----	0.0110	"	"	"	"	"	I
Pyrene	"	ND	-----	0.0110	"	"	"	"	"	I
Surrogate(s): p-Terphenyl-d14		*53.1%*			*46 - 125 %*	"			"	*I*
BSD0309-05 (D-3A)		**Soil**			**Sampled: 04/25/09 14:12**					I
Acenaphthene	8270C-SIM	ND	-----	0.0110	mg/kg dry	1x	9D29023	04/29/09 12:30	04/30/09 17:24	
Acenaphthylene	"	ND	-----	0.0110	"	"	"	"	"	
Anthracene	"	ND	-----	0.0110	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0110	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.0110	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0110	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0110	"	"	"	"	"	
Benzo (b & k) fluoranthene	"	ND	-----	0.0219	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0110	"	"	"	"	"	
Chrysene	"	ND	-----	0.0110	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	0.0110	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.0110	"	"	"	"	"	
Fluorene	"	ND	-----	0.0110	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0110	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0110	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0110	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0110	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.0110	"	"	"	"	"	
Pyrene	"	ND	-----	0.0110	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		*44.4%*			*46 - 125 %*	"			"	*ZX*
BSD0309-06 (D-4)		**Soil**			**Sampled: 04/25/09 14:28**					
Acenaphthene	8270C-SIM	ND	-----	0.0107	mg/kg dry	1x	9D29023	04/29/09 12:30	04/30/09 17:49	I
Acenaphthylene	"	ND	-----	0.0107	"	"	"	"	"	I
Anthracene	"	ND	-----	0.0107	"	"	"	"	"	I
Benzo (a) anthracene	"	ND	-----	0.0107	"	"	"	"	"	I
Benzo (a) pyrene	"	ND	-----	0.0107	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0107	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0107	"	"	"	"	"	
Benzo (b & k) fluoranthene	"	ND	-----	0.0214	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0107	"	"	"	"	"	
Chrysene	"	ND	-----	0.0107	"	"	"	"	"	I
Dibenz (a,h) anthracene	"	ND	-----	0.0107	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.0107	"	"	"	"	"	I
Fluorene	"	ND	-----	0.0107	"	"	"	"	"	I

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Curtis D. Armstrong, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Chilkat Environmental	Project Name:	**Chilkoot Lumber Company**	
P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSD0309-06 (D-4)		**Soil**			**Sampled: 04/25/09 14:28**					
Indeno (1,2,3-cd) pyrene	8270C-SIM	ND	-----	0.0107	mg/kg dry	1x	9D29023	04/29/09 12:30	04/30/09 17:49	
1-Methylnaphthalene	"	ND	-----	0.0107	"	"	"	"	"	I
2-Methylnaphthalene	"	ND	-----	0.0107	"	"	"	"	"	I
Naphthalene	"	ND	-----	0.0107	"	"	"	"	"	I
Phenanthrene	"	ND	-----	0.0107	"	"	"	"	"	I
Pyrene	"	ND	-----	0.0107	"	"	"	"	"	I
Surrogate(s): p-Terphenyl-d14		*54.0%*			*46 - 125 %*	*"*			*"*	***I***

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Chilkat Environmental	Project Name:	**Chilkoot Lumber Company**	
P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSD0309-01 (C-1)		**Soil**				**Sampled: 04/25/09 13:00**				
Dry Weight	BSOPSPL003R08	**90.5**	-----	1.00	%	1x	9D29025	04/29/09 15:15	04/30/09 00:00	
BSD0309-02 (D-1)		**Soil**				**Sampled: 04/25/09 13:35**				
Dry Weight	BSOPSPL003R08	**87.1**	-----	1.00	%	1x	9D29025	04/29/09 15:15	04/30/09 00:00	
BSD0309-03 (D-2)		**Soil**				**Sampled: 04/25/09 13:57**				
Dry Weight	BSOPSPL003R08	**91.3**	-----	1.00	%	1x	9D29025	04/29/09 15:15	04/30/09 00:00	
BSD0309-04 (D-3)		**Soil**				**Sampled: 04/25/09 14:12**				
Dry Weight	BSOPSPL003R08	**90.5**	-----	1.00	%	1x	9D29025	04/29/09 15:15	04/30/09 00:00	
BSD0309-05 (D-3A)		**Soil**				**Sampled: 04/25/09 14:12**				
Dry Weight	BSOPSPL003R08	**91.0**	-----	1.00	%	1x	9D29025	04/29/09 15:15	04/30/09 00:00	
BSD0309-06 (D-4)		**Soil**				**Sampled: 04/25/09 14:28**				
Dry Weight	BSOPSPL003R08	**92.1**	-----	1.00	%	1x	9D29025	04/29/09 15:15	04/30/09 00:00	

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Chilkat Environmental	Project Name:	**Chilkoot Lumber Company**	
P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

Diesel Hydrocarbons (C10-C25) and Heavy Oil (C25-C36) by AK102 and AK103 - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 9D29022 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (9D29022-BLK1)							**Extracted: 04/29/09 12:29**							
Diesel Range Hydrocarbons	AK102_103	ND	---	4.00	mg/kg wet	1x	--	--	--	--	--	--	04/29/09 19:05	
Residual Range Organics	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 87.4%*			*Limits: 50-150%*	"							*04/29/09 19:05*	
Octacosane		*95.1%*			*50-150%*	"							"	
LCS (9D29022-BS1)							**Extracted: 04/29/09 12:29**							
Diesel Range Hydrocarbons	AK102_103	78.0	---	4.00	mg/kg wet	1x	--	80.0	97.5%	(75-125)	--	--	04/29/09 19:27	
Residual Range Organics	"	70.6	---	25.0	"	"	--	"	88.2%	(60-120)	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 86.7%*			*Limits: 60-120%*	"							*04/29/09 19:27*	
Octacosane		*89.6%*			*60-120%*	"							"	
LCS Dup (9D29022-BSD1)							**Extracted: 04/29/09 12:29**							
Diesel Range Hydrocarbons	AK102_103	81.5	---	4.00	mg/kg wet	1x	--	80.0	102%	(75-125)	4.46%	(20)	04/29/09 19:49	
Residual Range Organics	"	75.6	---	25.0	"	"	--	"	94.5%	(60-120)	6.88%	"	"	
Surrogate(s): 2-FBP		*Recovery: 94.6%*			*Limits: 60-120%*	"							*04/29/09 19:49*	
Octacosane		*95.0%*			*60-120%*	"							"	
Matrix Spike (9D29022-MS1)					**QC Source: BSD0309-02**		**Extracted: 04/29/09 12:29**							
Diesel Range Hydrocarbons	AK102_103	479	---	4.52	mg/kg dry	1x	412	90.4	73.8%	(75-125)	--	--	04/29/09 20:11	**MHA**
Surrogate(s): 2-FBP		*Recovery: 93.3%*			*Limits: 50-150%*	"							*04/29/09 20:11*	
Octacosane		*92.0%*			*50-150%*	"							"	
Matrix Spike (9D29022-MS2)					**QC Source: BSD0309-02**		**Extracted: 04/29/09 12:29**							
Residual Range Organics	AK102_103	1290	---	283	mg/kg dry	10x	1340	90.4	-49.0%	(60-120)	--	--	04/30/09 16:03	**MHA**
Surrogate(s): 2-FBP		*Recovery: 81.9%*			*Limits: 50-150%*	"							*04/30/09 16:03*	
Octacosane		*95.0%*			*50-150%*	"							"	
Matrix Spike Dup (9D29022-MSD1)					**QC Source: BSD0309-02**		**Extracted: 04/29/09 12:29**							
Diesel Range Hydrocarbons	AK102_103	411	---	4.52	mg/kg dry	1x	412	90.4	-1.49%	(75-125)	15.3%	(20)	04/29/09 20:33	**MHA**
Surrogate(s): 2-FBP		*Recovery: 87.7%*			*Limits: 50-150%*	"							*04/29/09 20:33*	
Octacosane		*88.4%*			*50-150%*	"							"	
Matrix Spike Dup (9D29022-MSD2)					**QC Source: BSD0309-02**		**Extracted: 04/29/09 12:29**							
Residual Range Organics	AK102_103	1100	---	283	mg/kg dry	10x	1340	90.4	-262%	(60-120)	16.1%	(20)	04/30/09 16:26	**MHA**
Surrogate(s): 2-FBP		*Recovery: 76.8%*			*Limits: 50-150%*	"							*04/30/09 16:26*	
Octacosane		*89.5%*			*50-150%*	"							"	

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Chilkat Environmental	Project Name:	**Chilkoot Lumber Company**	
P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 9D29023 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (9D29023-BLK1)									**Extracted: 04/29/09 12:30**					
Acenaphthene	8270C-SIM	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	04/30/09 13:35	
Acenaphthylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b & k) fluoranthene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Surrogate(s): p-Terphenyl-d14		*Recovery: 54.1%*			*Limits: 46-125%*	"							*04/30/09 13:35*	
LCS (9D29023-BS1)									**Extracted: 04/29/09 12:30**					
Acenaphthene	8270C-SIM	0.535	---	0.0100	mg/kg wet	1x	--	0.667	80.2%	(65-130)	--	--	04/30/09 14:23	
Acenaphthylene	"	0.621	---	0.0100	"	"	--	"	93.2%	(67-142)	--	--	"	
Anthracene	"	0.691	---	0.0100	"	"	--	"	104%	(55-149)	--	--	"	
Benzo (a) anthracene	"	0.514	---	0.0100	"	"	--	"	77.1%	(58-149)	--	--	"	
Benzo (a) pyrene	"	0.536	---	0.0100	"	"	--	"	80.4%	(56-149)	--	--	"	
Benzo (b) fluoranthene	"	0.484	---	0.0100	"	"	--	"	72.6%	(70-149)	--	--	"	
Benzo (k) fluoranthene	"	0.497	---	0.0100	"	"	--	"	74.6%	(55-149)	--	--	"	
Benzo (ghi) perylene	"	0.492	---	0.0100	"	"	--	"	73.9%	"	--	--	"	
Chrysene	"	0.601	---	0.0100	"	"	--	"	90.2%	(65-145)	--	--	"	
Dibenz (a,h) anthracene	"	0.507	---	0.0100	"	"	--	"	76.1%	(56-149)	--	--	"	
Fluoranthene	"	0.557	---	0.0100	"	"	--	"	83.6%	(72-145)	--	--	"	
Fluorene	"	0.604	---	0.0100	"	"	--	"	90.6%	(75-147)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.490	---	0.0100	"	"	--	"	73.5%	(54-149)	--	--	"	
1-Methylnaphthalene	"	0.445	---	0.0100	"	"	--	"	66.8%	(51-128)	--	--	"	
2-Methylnaphthalene	"	0.414	---	0.0100	"	"	--	"	62.1%	(56-124)	--	--	"	
Naphthalene	"	0.438	---	0.0100	"	"	--	"	65.7%	(56-146)	--	--	"	
Phenanthrene	"	0.546	---	0.0100	"	"	--	"	81.9%	(64-139)	--	--	"	

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Chilkat Environmental	Project Name:	**Chilkoot Lumber Company**	
P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 9D29023 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (9D29023-BS1)									**Extracted: 04/29/09 12:30**					
Pyrene	8270C-SIM	0.474	---	0.0100	mg/kg wet	1x	--	0.667	71.1%	(58-149)	--	--	04/30/09 14:23	
Surrogate(s): p-Terphenyl-d14		*Recovery: 52.9%*			*Limits: 46-125%*	"							*04/30/09 14:23*	
Matrix Spike (9D29023-MS1)							**QC Source: BSD0309-03**		**Extracted: 04/29/09 12:30**					
Acenaphthene	8270C-SIM	0.635	---	0.0108	mg/kg dry	1x	ND	0.721	88.1%	(64-140)	--	--	04/30/09 14:49	
Acenaphthylene	"	0.726	---	0.0108	"	"	ND	"	101%	(66-150)	--	--	"	
Anthracene	"	0.773	---	0.0108	"	"	0.00197	"	107%	(54-150)	--	--	"	
Benzo (a) anthracene	"	0.572	---	0.0108	"	"	ND	"	79.4%	(57-150)	--	--	"	
Benzo (a) pyrene	"	0.622	---	0.0108	"	"	ND	"	86.3%	(55-150)	--	--	"	
Benzo (b) fluoranthene	"	0.591	---	0.0108	"	"	ND	"	82.0%	(54-150)	--	--	"	
Benzo (k) fluoranthene	"	0.588	---	0.0108	"	"	ND	"	81.5%	"	--	--	"	
Benzo (ghi) perylene	"	0.672	---	0.0108	"	"	ND	"	93.2%	"	--	--	"	
Chrysene	"	0.699	---	0.0108	"	"	0.00204	"	96.7%	(65-150)	--	--	"	
Dibenz (a,h) anthracene	"	0.694	---	0.0108	"	"	ND	"	96.3%	(55-150)	--	--	"	
Fluoranthene	"	0.661	---	0.0108	"	"	0.00393	"	91.2%	(70-150)	--	--	"	
Fluorene	"	0.723	---	0.0108	"	"	ND	"	100%	(74-150)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.644	---	0.0108	"	"	ND	"	89.3%	(50-150)	--	--	"	
1-Methylnaphthalene	"	0.539	---	0.0108	"	"	ND	"	74.8%	(45-145)	--	--	"	
2-Methylnaphthalene	"	0.508	---	0.0108	"	"	ND	"	70.6%	(50-140)	--	--	"	
Naphthalene	"	0.518	---	0.0108	"	"	ND	"	71.9%	(47-147)	--	--	"	
Phenanthrene	"	0.624	---	0.0108	"	"	0.00320	"	86.1%	(56-150)	--	--	"	
Pyrene	"	0.512	---	0.0108	"	"	0.00313	"	70.7%	(57-150)	--	--	"	
Surrogate(s): p-Terphenyl-d14		*Recovery: 53.1%*			*Limits: 46-125%*	"							*04/30/09 14:49*	
Matrix Spike Dup (9D29023-MSD1)							**QC Source: BSD0309-03**		**Extracted: 04/29/09 12:30**					
Acenaphthene	8270C-SIM	0.621	---	0.0110	mg/kg dry	1x	ND	0.730	85.0%	(64-140)	2.25%	(41)	04/30/09 15:15	
Acenaphthylene	"	0.707	---	0.0110	"	"	ND	"	96.8%	(66-150)	2.71%	"	"	
Anthracene	"	0.770	---	0.0110	"	"	0.00197	"	105%	(54-150)	0.425%	"	"	
Benzo (a) anthracene	"	0.576	---	0.0110	"	"	ND	"	78.9%	(57-150)	0.718%	"	"	
Benzo (a) pyrene	"	0.622	---	0.0110	"	"	ND	"	85.1%	(55-150)	0.0176%	(35)	"	
Benzo (b) fluoranthene	"	0.587	---	0.0110	"	"	ND	"	80.3%	(54-150)	0.672%	(41)	"	
Benzo (k) fluoranthene	"	0.561	---	0.0110	"	"	ND	"	76.8%	"	4.70%	"	"	
Benzo (ghi) perylene	"	0.661	---	0.0110	"	"	ND	"	90.5%	"	1.59%	"	"	
Chrysene	"	0.687	---	0.0110	"	"	0.00204	"	93.7%	(65-150)	1.73%	(40)	"	
Dibenz (a,h) anthracene	"	0.685	---	0.0110	"	"	ND	"	93.8%	(55-150)	1.32%	(41)	"	
Fluoranthene	"	0.645	---	0.0110	"	"	0.00393	"	87.8%	(70-150)	2.44%	"	"	
Fluorene	"	0.712	---	0.0110	"	"	ND	"	97.5%	(74-150)	1.50%	(44)	"	
Indeno (1,2,3-cd) pyrene	"	0.635	---	0.0110	"	"	ND	"	86.9%	(50-150)	1.40%	"	"	
1-Methylnaphthalene	"	0.519	---	0.0110	"	"	ND	"	71.1%	(45-145)	3.75%	(41)	"	

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Chilkat Environmental	Project Name:	**Chilkoot Lumber Company**	
P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 9D29023 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (9D29023-MSD1)					**QC Source: BSD0309-03**				**Extracted: 04/29/09 12:30**					
2-Methylnaphthalene	8270C-SIM	0.487	---	0.0110	mg/kg dry	1x	ND	0.730	66.6%	(50-140)	4.41%	(41)	04/30/09 15:15	
Naphthalene	"	0.482	---	0.0110	"	"	ND	"	65.9%	(47-147)	7.33%	"	"	
Phenanthrene	"	0.628	---	0.0110	"	"	0.00320	"	85.6%	(56-150)	0.675%	"	"	
Pyrene	"	0.504	---	0.0110	"	"	0.00313	"	68.6%	(57-150)	1.57%	"	"	
Surrogate(s): p-Terphenyl-d14		*Recovery: 51.8%*			*Limits: 46-125%*	"							*04/30/09 15:15*	

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Chilkat Environmental	Project Name:	**Chilkoot Lumber Company**	
P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

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

TestAmerica Seattle

QC Batch: 9D29025 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (9D29025-BLK1)							**Extracted: 04/29/09 12:32**							
Dry Weight	BSOPSPL00 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	04/30/09 00:00	

TestAmerica Seattle

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Chilkat Environmental	Project Name:	**Chilkoot Lumber Company**	
P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

CERTIFICATION SUMMARY

TestAmerica Seattle

Method	Matrix	Nelac	Alaska
8270C-SIM	Soil		X
AK102_103	Soil		X
BSOPSPL003R08	Soil		

Any abnormalities or departures from sample acceptance policy shall be documented on the 'Sample Receipt and Temperature Log Form' and 'Sample Non-conformance Form' (if applicable) included with this report.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Chilkat Environmental	Project Name:	**Chilkoot Lumber Company**	
P.O. Box 895	Project Number:	88087500	Report Created:
Haines, AK 99827	Project Manager:	William Prisciandaro	05/05/09 12:42

Notes and Definitions

Report Specific Notes:

I	-	Internal Standard recovery was outside of method limits. Matrix interference was confirmed by reanalysis.
MHA	-	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
Q6	-	Results in the diesel organics range are primarily due to overlap from a heavy oil range product.
Z3	-	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
ZX	-	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BSD0309

CLIENT: Chilkat Environmental

REPORT TO: PO Box 865
ADDRESS: Haines AK 99827

PHONE: 907 766 3897 FAX:

INVOICE TO: Chilkat Environmental
PO Box 865
Haines AK 99827

P.O. NUMBER:

PROJECT NAME: Chilkoot Lumber Company

PROJECT NUMBER:

SAMPLED BY: E Donat

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: [10] STD. [7] [5] [4] [3] [2] [1] [<1]
Petroleum Hydrocarbon Analyses: [X] STD. [4] [3] [2] [1] [<1]
[OTHER] Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: AK102 DRO	AK103 RRO	8270 PAH	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	C-1	4/25/09 1300		X	X	X	S	1		-01
2	D-1	4/25/09 1335		X	X	X	S	1		-02
3	D-2	4/25/09 1357		X	X	X	S	1		-03
4	D-3	4/25/09 1412		X	X	X	S	1		-04
5	D-3A	4/25/09 1412		X	X	X	S	1		-05
6	D-4	4/25/09 1428		X	X	X	S	1		-06
7										
8										
9										
10										

RELEASED BY: William Prisciandaro DATE: 4/27/09
PRINT NAME: William Prisciandaro FIRM: Chilkat Environmental TIME: 924

RECEIVED BY: Francisco Luna, Jr. DATE: 4/28/09
PRINT NAME: Francisco Luna, Jr. FIRM: TH SEA TIME: 1645

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS: w/cs

TEMP: 0.4°c

PAGE OF

TAL-1000(0408)

TAT: _____ Paperwork to PM – Date:_____ Time:_____ Non-Conformances?

Page Time & Initials:_____ Circle Y or N

(If Y, see other side)

TEST AMERICA SAMPLE RECEIPT CHECKLIST

Received By: (applies to temp at receipt)	**Logged-in By:**	**Unpacked/ Labeled by:**	**Label Review by:**	***Cooler ID:*** 354
Date: 4/28/09	Date: 04.29.	Date: 04.29	Date 4/29/9	Work Order No. BSD0309
Time: 1645	Time: 1050	Time: 1100	Time: 1110	Client:
Initials: FL.	Initials: CW	Initials: CW	Initials: AO	Project:

Container Type:
- X Cooler
- ____ Box
- ____ None/Other ____

COC Seals:
- X Ship Container ____ Sign By
- ____ On Bottles 4/27/09 Date
- FL. X None

Packing Material:
- X Bubble Bags ____ Styrofoam
- ____ Foam Packs
- X None/Other Bubble wrap

Refrigerant:
- X Gel Ice Pack _____
- ____ Loose Ice _____
- ____ None/Other _____

Soil Stir Bars/Encores:
Placed in freezer #46:
Y or N or NA
Initial/date/time_____

Received Via: Bill#:
- ____ Fed Ex ____ Client
- ____ UPS X TA Courier
- ____ DHL ____ Mid Valley
- ____ Senvoy ____ TDP
- X GS ____ Other_____

Cooler Temperature (*IR*): ____°C Plastic Glass (Frozen filters, Tedlars and aqueous Metals exempt)
(circle one)

Temperature Blank? 0.4 °C or NA comments _____ Trip Blank? Y or N or NA

BP, OPLC,ARCO-Temperature monitoring every 15 minutes:
(initial/date/time):_____
Comments:_____

Sample Containers:		ID			ID
Intact?	Y or N		Metals Preserved?	Y or N or NA	
Provided by TA?	Y or N		Client QAPP Preserved?	Y or N or NA	
Correct Type?	Y or N		Adequate Volume? (for tests requested)	Y or N	
#Containers match COC?	Y or N		Water VOAs: Headspace?	Y or N or NA	
IDs/time/date match COC?	Y or N		Comments:		
Hold Times in hold?	Y or N				

PROJECT MANAGEMENT

Is the Chain of Custody complete? Y or N If N, circle the items that were incomplete

Comments,Problems_____

Total access set up? Y or N