



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 40 of 71

		NWL Number	332075-81	332075-86	332075-87	
		Sample Description	US-1063 / 40-50	US-1069 / 50	US-1070 / 50	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Polynuclear Aromatic Hydrocarbons - Soil						
Naphthalene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Acenaphthylene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Acenaphthene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Fluorene	Dry Weight	mg/kg	<0.05	0.17	<0.05	0.05
Phenanthrene	Dry Weight	mg/kg	<0.05	0.06	<0.05	0.05
Anthracene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Fluoranthene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Pyrene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Benzo(a)anthracene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Chrysene	Dry Weight	mg/kg	0.60	<0.05	<0.05	0.05
Benzo(b)fluoranthene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Benzo(j)fluoranthene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Benzo(k)fluoranthene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Benzo(a)pyrene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Indeno(1,2,3-c,d)pyrene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Dibenzo(a,h)anthracene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Benzo(g,h,i)perylene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
CB(a)P	Carcinogenic Potency Equivalent	mg/kg	<0.05	<0.05	<0.05	0.05
PAH - Soil - Surrogate Recovery						
Nitrobenzene-d5	PAH - Surrogate	%	84	>130	88	23-130
2-Fluorobiphenyl	PAH - Surrogate	%	62	63	80	30-130
p-Terphenyl-d14	PAH - Surrogate	%	95	60	62	18-137



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 41 of 71

Analyte	Sample Description	NWL Number	332075-83	332075-84	332075-85	Detection Limit
		Matrix	US-1066 / 50-60	US-1067 / 50-60	US-1068 / 40-50	
			Soil - general	Soil - general	Soil - general	
Units		Results	Results	Results		
Hot Water Soluble						
Boron	Water Soluble	mg/kg	0.2	<0.1	<0.1	0.1
Metals Strong Acid Extractable						
Mercury	Strong Acid Extractable	ug/g	<0.01	<0.01	<0.01	0.01
Antimony	Strong Acid Extractable	ug/g	1.4	1.5	1.2	0.4
Arsenic	Strong Acid Extractable	ug/g	1.6	1.9	2.0	0.5
Barium	Strong Acid Extractable	ug/g	53.6	60.6	43.6	0.05
Beryllium	Strong Acid Extractable	ug/g	0.28	0.55	0.26	0.03
Cadmium	Strong Acid Extractable	ug/g	0.09	0.06	0.05	0.03
Cobalt	Strong Acid Extractable	ug/g	35.8	45.0	29.4	0.05
Copper	Strong Acid Extractable	ug/g	4.66	6.76	4.34	0.04
Lead	Strong Acid Extractable	ug/g	19.0	32.9	17.8	0.05
Molybdenum	Strong Acid Extractable	ug/g	5.7	6.8	6.0	0.1
Nickel	Strong Acid Extractable	ug/g	0.7	1.0	0.7	0.1
Selenium	Strong Acid Extractable	ug/g	16.4	23.4	14.7	0.05
Silver	Strong Acid Extractable	ug/g	<0.2	<0.2	0.3	0.3
Thallium	Strong Acid Extractable	ug/g	<0.05	<0.05	<0.05	0.05
Tin	Strong Acid Extractable	ug/g	<0.3	<0.3	<0.3	0.4
Tin	Strong Acid Extractable	ug/g	2.3	2.1	1.9	0.3
Vanadium	Strong Acid Extractable	ug/g	30.7	39.1	26.2	0.05
Zinc	Strong Acid Extractable	ug/g	42.4	51.7	34.7	0.05

Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: **332075**
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 42 of 71

		NWL Number	332075-86	332075-87	332075-88	
		Sample Description	US-1069 / 50	US-1070 / 50	US-1071 / 20	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte	Units	Results	Results	Results	Detection Limit	
Mono-Aromatic Hydrocarbons - Soil						
Extraction Date		16-Sep-04	16-Sep-04	16-Sep-04		
Benzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Toluene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Ethylbenzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Total Xylenes (m,p,o)	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Volatile Petroleum Hydrocarbons - Soil						
Extraction Date		16-Sep-04	16-Sep-04	16-Sep-04		
F1 C6-C10	Dry Weight	mg/kg	46	1	<1	1
F1 TEX	Dry Weight	mg/kg	46	1	<1	1
Extractable Petroleum Hydrocarbons - Soxhlet						
Extraction Date		17-Sep-04	17-Sep-04	17-Sep-04		
F2 C10-C16	Dry Weight	mg/kg	2770	29	<10	10
F3 C16-C34	Dry Weight	mg/kg	165	143	284	10
F4 C34-C50	Dry Weight	mg/kg	11	34	40	10
F4HTGC C34-C50+	Dry Weight	mg/kg	14	38	196	10
% C50+	%		0.0	0.0	32.5	
Silica Gel Cleanup						
Silica Gel Cleanup		Done	Done	Done		
Soil % Moisture						
Moisture	Soil % Moisture	%	5.00	12.20	16.60	

Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: **332075**
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 43 of 71

		NWL Number	332075-89	332075-91	332075-92		
		Sample Description	US-1071 / 50	US-1072	US-1073		
		Matrix	Soil - general	Soil - general	Soil - general		
Analyte		Units	Results	Results	Results	Detection Limit	
Mono-Aromatic Hydrocarbons - Soil							
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04		
Benzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02	
Toluene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02	
Ethylbenzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02	
Total Xylenes (m,p,o)	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02	
Volatile Petroleum Hydrocarbons - Soil							
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04		
F1 C6-C10	Dry Weight	mg/kg	<1	4	5	1	
TEX	Dry Weight	mg/kg	<1	;	5	1	
Extractable Petroleum Hydrocarbons - Soxhlet							
Extraction Date			17-Sep-04	17-Sep-04	17-Sep-04		
F2 C10-C16	Dry Weight	mg/kg	<10	3610	8800	10	
F3 C16-C34	Dry Weight	mg/kg	1210	788	27000	10	
F4 C34-C50	Dry Weight	mg/kg	47	53	3370	10	
F4HTGC C34-C50+	Dry Weight	mg/kg	51	67	4310	10	
% C50+		%	0.0	0.3	2.3		
Silica Gel Cleanup							
Silica Gel Cleanup			Done	Done	Done		
Soil % Moisture							
Moisture	Soil % Moisture	%	11.40	8.92	7.05		



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 44 of 71

		NWL Number	332075-91	332075-92	332075-93	
		Sample Description	US-1072	US-1073	US-1074	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Polychlorinated Biphenyls - Soil						
Aroclor 1016	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1221	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1232	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1242	Dry Weight	mg/kg	<0.1	<0.1	0.4	0.1
Aroclor 1248	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1254	Dry Weight	mg/kg	<0.1	0.1	0.6	0.1
Aroclor 1260	Dry Weight	mg/kg	<0.1	<0.1	0.2	0.1
Aroclor 1262	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
or 1268	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Total PCBs	Dry Weight	mg/kg	<0.1	0.1	1.2	0.1
Polychlorinated Biphenyls - Soil - Surrogate						
Decachlorobiphenyl	Surrogate	%	87	89	86	50-150



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 45 of 71

		NWL Number		332075-93	332075-94	332075-95	Detection Limit
		Sample Description		US-1074	US-1075 / 15-20	US-1076 / 0	
		Matrix		Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results		
Mono-Aromatic Hydrocarbons - Soil							
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04		
Benzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02		0.02
Toluene	Dry Weight	mg/kg	<0.02	<0.02	<0.02		0.02
Ethylbenzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02		0.02
Total Xylenes (m,p,o)	Dry Weight	mg/kg	<0.02	<0.02	<0.02		0.02
Volatile Petroleum Hydrocarbons - Soil							
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04		
F1 C6-C10	Dry Weight	mg/kg	3	15	4		1
TEX	Dry Weight	mg/kg	3	15	4		1
Extractable Petroleum Hydrocarbons - Soxhlet							
Extraction Date			17-Sep-04	17-Sep-04	17-Sep-04		
F2 C10-C16	Dry Weight	mg/kg	1440	288	6540		10
F3 C16-C34	Dry Weight	mg/kg	6610	481	15600		10
F4 C34-C50	Dry Weight	mg/kg	1020	72	686		10
F4HTGC C34-C50+	Dry Weight	mg/kg	1470	99	1010		10
% C50+		%	4.7	1	1.4		
Silica Gel Cleanup							
Silica Gel Cleanup			Done	Done	Done		
Soil % Moisture							
Moisture	Soil % Moisture	%	16.40	10.20	11.00		



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 46 of 71

		NWL Number	332075-94	332075-107	332075-109	
		Sample Description	US-1075 / 15-20	MS-1086 / 0	MS-1086 / 10-20	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Hot Water Soluble						
Boron	Water Soluble	mg/kg	0.2	<0.1	<0.1	0.1
Metals Strong Acid Extractable						
Mercury	Strong Acid Extractable	ug/g	<0.01	<0.01	<0.01	0.01
Antimony	Strong Acid Extractable	ug/g	1.0	1.0	0.5	0.4
Arsenic	Strong Acid Extractable	ug/g	1.0	0.9	0.7	0.5
Barium	Strong Acid Extractable	ug/g	39.5	45.9	29.0	0.05
Beryllium	Strong Acid Extractable	ug/g	0.20	0.15	0.20	0.03
Cadmium	Strong Acid Extractable	ug/g	0.27	0.12	0.04	0.03
Cobalt	Strong Acid Extractable	ug/g	82.2	41.7	15.8	0.05
Copper	Strong Acid Extractable	ug/g	7.53	3.78	2.47	0.04
Lead	Strong Acid Extractable	ug/g	25.8	17.0	12.0	0.05
Molybdenum	Strong Acid Extractable	ug/g	16.1	132	10.2	0.1
Nickel	Strong Acid Extractable	ug/g	0.5	1.3	0.2	0.1
Selenium	Strong Acid Extractable	ug/g	34.7	12.2	8.42	0.05
Silver	Strong Acid Extractable	ug/g	<0.2	<0.2	<0.2	0.3
Thallium	Strong Acid Extractable	ug/g	<0.05	<0.05	<0.05	0.05
Tin	Strong Acid Extractable	ug/g	<0.3	<0.3	<0.3	0.4
Vanadium	Strong Acid Extractable	ug/g	2.4	2.8	2.1	0.3
Zinc	Strong Acid Extractable	ug/g	31.4	19.3	13.6	0.05
			46.7	74.3	21.3	0.05



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 47 of 71

		NWL Number		332075-94	332075-97	332075-98	
		Sample Description		US-1075 / 15-20	US-1077 / 0-10	US-1078 / 0-10	
		Matrix		Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit	
Polychlorinated Biphenyls - Soil							
Aroclor 1016	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1	
Aroclor 1221	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1	
Aroclor 1232	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1	
Aroclor 1242	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1	
Aroclor 1248	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1	
Aroclor 1254	Dry Weight	mg/kg	0.1	1.6	0.5	0.1	
Aroclor 1260	Dry Weight	mg/kg	<0.1	0.1	<0.1	0.1	
Aroclor 1262	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1	
Aroclor 1268	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1	
total PCBs	Dry Weight	mg/kg	0.1	1.7	0.5	0.1	
Polychlorinated Biphenyls - Soil - Surrogate							
Decachlorobiphenyl	Surrogate	%	83	85	90	50-150	



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 48 of 71

		NWL Number	332075-96	332075-97	332075-98	
		Sample Description	US-1076 / 20	US-1077 / 0-10	US-1078 / 0-10	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Mono-Aromatic Hydrocarbons - Soil						
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04	
Benzene	Dry Weight	mg/kg	0.02	<0.02	<0.02	0.02
Toluene	Dry Weight	mg/kg	0.02	<0.02	<0.02	0.02
Ethylbenzene	Dry Weight	mg/kg	0.02	<0.02	<0.02	0.02
Total Xylenes (m,p,o)	Dry Weight	mg/kg	0.09	<0.02	0.02	0.02
Volatile Petroleum Hydrocarbons - Soil						
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04	
F1 C6-C10	Dry Weight	mg/kg	<1	<1	<1	1
BTEX	Dry Weight	mg/kg	<1	<1	<1	1
Extractable Petroleum Hydrocarbons - Soxhlet						
Extraction Date			17-Sep-04	17-Sep-04	17-Sep-04	
F2 C10-C16	Dry Weight	mg/kg	214	524	19	10
F3 C16-C34	Dry Weight	mg/kg	599	8630	930	10
F4 C34-C50	Dry Weight	mg/kg	99	726	219	10
F4HTGC C34-C50+	Dry Weight	mg/kg	122	1780	262	10
% C50+			2.4	9.7	3.5	
Silica Gel Cleanup						
Silica Gel Cleanup			Done	Done	Done	
Soil % Moisture						
Moisture	Soil % Moisture		9.43	12.00	9.45	



**NORWEST
LABS**

Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 49 of 71

		NWL Number	332075-99	332075-100	332075-101	
		Sample Description	US-1079 / 10-30	MS-1080	MS-1081 / 0-20	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Polychlorinated Biphenyls - Soil						
Aroclor 1016	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1221	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1232	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1242	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1248	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1254	Dry Weight	mg/kg	0.6	<0.1	0.2	0.1
Aroclor 1260	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1262	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1268	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Total PCBs	Dry Weight	mg/kg	0.6	<0.1	0.2	0.1
Polychlorinated Biphenyls - Soil - Surrogate						
Decachlorobiphenyl	Surrogate	%	74	78	86	50-150



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 50 of 71

		NWL Number	332075-99	332075-100	332075-105	
		Sample Description	US-1079 / 10-30	MS-1080	US-1085 / 10	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Mono-Aromatic Hydrocarbons - Soil						
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04	
Benzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Toluene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Ethylbenzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Total Xylenes (m,p,o)	Dry Weight	mg/kg	<0.02	0.02	<0.02	0.02
Volatile Petroleum Hydrocarbons - Soil						
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04	
F1 C6-C10	Dry Weight	mg/kg	<1	<1	<1	1
BTEX	Dry Weight	mg/kg	<1	<1	<1	1
Extractable Petroleum Hydrocarbons - Soxhlet						
Extraction Date			17-Sep-04	17-Sep-04	17-Sep-04	
F2 C10-C16	Dry Weight	mg/kg	673	537	22	10
F3 C16-C34	Dry Weight	mg/kg	16500	17100	9330	10
F4 C34-C50	Dry Weight	mg/kg	1290	3830	21000	10
F4HTGC C34-C50+	Dry Weight	mg/kg	1450	7610	57300	10
% C50+		%	0.9	14.9	54.5	
Silica Gel Cleanup						
Silica Gel Cleanup			Done	Done	Done	
Soil % Moisture						
Moisture	Soil % Moisture	%	8.51	3.06	4.82	

Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: **332075**
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 51 of 71

		NWL Number	332075-100	332075-104	332075-107		
		Sample Description	MS-1080	US-1084 / 10-30	MS-1086 / 0		
		Matrix	Soil - general	Soil - general	Soil - general		
Analyte		Units	Results	Results	Results	Detection Limit	
Polynuclear Aromatic Hydrocarbons - Soil							
Naphthalene	Dry Weight	mg/kg	<0.05	<0.05	0.07	0.05	
Acenaphthylene	Dry Weight	mg/kg	<0.05	<0.05	0.23	0.05	
Acenaphthene	Dry Weight	mg/kg	0.07	<0.05	<0.05	0.05	
Fluorene	Dry Weight	mg/kg	0.84	<0.05	0.11	0.05	
Phenanthrene	Dry Weight	mg/kg	6.54	<0.05	0.83	0.05	
Anthracene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
Fluoranthene	Dry Weight	mg/kg	0.30	<0.05	0.07	0.05	
Pyrene	Dry Weight	mg/kg	<0.05	<0.05	0.12	0.05	
1,2,3,4-tetrahydronaphthalene	Dry Weight	mg/kg	<0.05	<0.05	0.09	0.05	
Chrysene	Dry Weight	mg/kg	0.34	<0.05	0.24	0.05	
Benzo(b)fluoranthene	Dry Weight	mg/kg	0.05	<0.05	<0.05	0.05	
Benzo(j)fluoranthene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
Benzo(k)fluoranthene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
Benzo(a)pyrene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
Indeno(1,2,3-c,d)pyrene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
Dibenzo(a,h)anthracene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
Benzo(g,h,i)perylene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
CB(a)P	Carcinogenic Potency Equivalent	mg/kg	<0.05	<0.05	<0.05	0.05	
PAH - Soil - Surrogate Recovery							
Nitrobenzene-d5	PAH - Surrogate	%	120	98	41	23-130	
2-Fluorobiphenyl	PAH - Surrogate	%	38	95	37	30-130	
p-Terphenyl-d14	PAH - Surrogate	%	113	60	79	18-137	



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 52 of 71

		NWL Number	332075-102	332075-103	332075-104	
		Sample Description	MS-1082 / 0-20	US-1083 / 20	US-1084 / 10-30	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Polychlorinated Biphenyls - Soil						
Aroclor 1016	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1221	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1232	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1242	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1248	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1254	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1260	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1262	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
/ or 1268	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Total PCBs	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Polychlorinated Biphenyls - Soil - Surrogate						
Decachlorobiphenyl	Surrogate	%	91	90	93	50-150



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 53 of 71

		NWL Number	332075-106	332075-107	332075-108	
		Sample Description	US-1085 / 85	MS-1086 / 0	MS-1086 / 100	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Mono-Aromatic Hydrocarbons - Soil						
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04	
Benzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Toluene	Dry Weight	mg/kg	<0.02	0.04	0.03	0.02
Ethylbenzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Total Xylenes (m,p,o)	Dry Weight	mg/kg	<0.02	0.03	0.02	0.02
Volatile Petroleum Hydrocarbons - Soil						
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04	
F1 C6-C10	Dry Weight	mg/kg	<1	<1	<1	1
BTEX	Dry Weight	mg/kg	<1	<1	<1	1
Extractable Petroleum Hydrocarbons - Soxhlet						
Extraction Date			17-Sep-04	17-Sep-04	17-Sep-04	
F2 C10-C16	Dry Weight	mg/kg	<10	348	66	10
F3 C16-C34	Dry Weight	mg/kg	28	26300	12400	10
F4 C34-C50	Dry Weight	mg/kg	21	15600	9900	10
F4HTGC C34-C50+	Dry Weight	mg/kg	26	20400	17700	10
% C50+		%	0.0	10.3	26.0	
Silica Gel Cleanup						
Silica Gel Cleanup			Done	Done	Done	
Soil % Moisture						
Moisture	Soil % Moisture	%	9.92	5.42	5.62	



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 54 of 71

		NWL Number	332075-107	332075-109	332075-115	
		Sample Description	MS-1086 / 0	MS-1086 / 10-20	MS-1091	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Polychlorinated Biphenyls - Soil						
Aroclor 1016	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1221	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1232	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1242	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1248	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1254	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1260	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1262	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1268	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
total PCBs	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Polychlorinated Biphenyls - Soil - Surrogate						
Decachlorobiphenyl	Surrogate		60	73	77	50-150

Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: **332075**
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 55 of 71

		NWL Number	332075-108	332075-109	332075-120		
		Sample Description	MS-1086 / 100	MS-1086 / 10-20	BD6		
		Matrix	Soil - general	Soil - general	Soil - general		
Analyte		Units	Results	Results	Results	Detection Limit	
Polynuclear Aromatic Hydrocarbons - Soil							
Naphthalene	Dry Weight	mg/kg	0.06	<0.05	0.63	0.05	
Acenaphthylene	Dry Weight	mg/kg	0.22	0.61	<0.05	0.05	
Acenaphthene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
Fluorene	Dry Weight	mg/kg	0.11	0.15	0.10	0.05	
Phenanthrene	Dry Weight	mg/kg	0.76	0.79	0.59	0.05	
Anthracene	Dry Weight	mg/kg	<0.05	0.08	0.06	0.05	
Fluoranthene	Dry Weight	mg/kg	0.05	0.10	0.08	0.05	
Pyrene	Dry Weight	mg/kg	0.08	0.12	0.15	0.05	
1-p(a)anthracene	Dry Weight	mg/kg	0.06	<0.05	0.07	0.05	
Chrysene	Dry Weight	mg/kg	0.23	0.10	0.63	0.05	
Benzo(b)fluoranthene	Dry Weight	mg/kg	0.15	<0.05	0.09	0.05	
Benzo(j)fluoranthene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
Benzo(k)fluoranthene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
Benzo(a)pyrene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
Indeno(1,2,3-c,d)pyrene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
Dibenzo(a,h)anthracene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
Benzo(g,h,i)perylene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05	
CB(a)P	Carcinogenic Potency Equivalent	mg/kg	<0.05	<0.05	<0.05	0.05	
PAH - Soil - Surrogate Recovery							
Nitrobenzene-d5	PAH - Surrogate	%	58	94	52	23-130	
2-Fluorobiphenyl	PAH - Surrogate	%	40	60	22	30-130	
p-Terphenyl-d14	PAH - Surrogate	%	46	87	57	18-137	



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 56 of 71

		NWL Number		332075-109	332075-110	332075-111
		Sample Description		MS-1086 / 10-20	US-1087 / 20	US-1088 / 10
		Matrix		Soil - general	Soil - general	Soil - general
Analyte	Units	Results	Results	Results	Detection Limit	
Mono-Aromatic Hydrocarbons - Soil						
Extraction Date		16-Sep-04	16-Sep-04	16-Sep-04		
Benzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Toluene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Ethylbenzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Total Xylenes (m,p,o)	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Volatile Petroleum Hydrocarbons - Soil						
Extraction Date		16-Sep-04	16-Sep-04	16-Sep-04		
F1 C6-C10	Dry Weight	mg/kg	<1	<1	<1	1
' ITEX	Dry Weight	mg/kg	<1	<1	<1	1
Extractable Petroleum Hydrocarbons - Soxhlet						
Extraction Date		17-Sep-04	17-Sep-04	17-Sep-04		
F2 C10-C16	Dry Weight	mg/kg	287	<10	<10	10
F3 C16-C34	Dry Weight	mg/kg	14700	29	19	10
F4 C34-C50	Dry Weight	mg/kg	6530	12	10	10
F4HTGC C34-C50+	Dry Weight	mg/kg	11600	16	12	10
% C50+	%		19.1	0.0	0.0	
Silica Gel Cleanup						
Silica Gel Cleanup		Done	Done	Done		
Soil % Moisture						
Moisture	Soil % Moisture	%	2.80	9.91	8.72	



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 57 of 71

		NWL Number		332075-112	332075-113	332075-114	Detection Limit
		Sample Description		US-1089/ 20	MS-1090	MS-1090B	
		Matrix		Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results		
Mono-Aromatic Hydrocarbons - Soil							
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04		
Benzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02	
Toluene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02	
Ethylbenzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02	
Total Xylenes (m,p,o)	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02	
Volatile Petroleum Hydrocarbons - Soil							
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04		
F1 C6-C10	Dry Weight	mg/kg	4	<1	<1	1	
1TEX	Dry Weight	mg/kg	4	<1	<1	1	
Extractable Petroleum Hydrocarbons - Soxhlet							
Extraction Date			17-Sep-04	17-Sep-04	17-Sep-04		
F2 C10-C16	Dry Weight	mg/kg	100	44	35	10	
F3 C16-C34	Dry Weight	mg/kg	76	6650	4500	10	
F4 C34-C50	Dry Weight	mg/kg	40	15100	5740	10	
F4HTGC C34-C50+	Dry Weight	mg/kg	49	30800	9360	10	
% C50+		%	0.0	41.8	26.1		
Silica Gel Cleanup							
Silica Gel Cleanup			Done	Done	Done		
Soil % Moisture							
Moisture	Soil % Moisture	%	9.18	12.50	14.80		



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 58 of 71

		NWL Number	332075-115	332075-116	332075-117	
		Sample Description	MS-1091	MS-1092	MS-1093	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Mono-Aromatic Hydrocarbons - Soil						
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04	
Benzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Toluene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Ethylbenzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Total Xylenes (m,p,o)	Dry Weight	mg/kg	0.03	<0.02	<0.02	0.02
Volatile Petroleum Hydrocarbons - Soil						
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04	
F1 C6-C10	Dry Weight	mg/kg	3	<1	<1	1
3TEX	Dry Weight	mg/kg	3	<1	<1	1
Extractable Petroleum Hydrocarbons - Soxhlet						
Extraction Date			7-Sep-04	17-Sep-04	17-Sep-04	
F2 C10-C16	Dry Weight	mg/kg	302	516	<10	10
F3 C16-C34	Dry Weight	mg/kg	726	284	59	10
F4 C34-C50	Dry Weight	mg/kg	175	39	15	10
F4HTGC C34-C50+	Dry Weight	mg/kg	221	47	20	10
% C50+		%	3.7	0.0	0.0	
Silica Gel Cleanup						
Silica Gel Cleanup			Done	Done	Done	
Soil % Moisture						
Moisture	Soil % Moisture	%	11.10	15.40	10.60	



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 59 of 71

		NWL Number	332075-118	332075-119	332075-120	
		Sample Description	MS-1094	MS-1095	BD6	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Mono-Aromatic Hydrocarbons - Soil						
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04	
Benzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Toluene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Ethylbenzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Total Xylenes (m,p,o)	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Volatile Petroleum Hydrocarbons - Soil						
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04	
F1 C6-C10	Dry Weight	mg/kg	<1	<1	<1	1
3TEX	Dry Weight	mg/kg	<1	<1	<1	1
Extractable Petroleum Hydrocarbons - Soxhlet						
Extraction Date			17-Sep-04	17-Sep-04	17-Sep-04	
F2 C10-C16	Dry Weight	mg/kg	20	<10	76	10
F3 C16-C34	Dry Weight	mg/kg	972	36	17800	10
F4 C34-C50	Dry Weight	mg/kg	221	18	13800	10
F4HTGC C34-C50+	Dry Weight	mg/kg	289	23	26300	10
% C50+		%	5.4	0.0	28.1	
Silica Gel Cleanup						
Silica Gel Cleanup			Done	Done	Done	
Soil % Moisture						
Moisture	Soil % Moisture	%	14.80	9.81	20.50	



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 60 of 71

		NWL Number	332075-118	332075-120	332075-122	
		Sample Description	MS-1094	BD6	Stains Comp US	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Polychlorinated Biphenyls - Soil						
Aroclor 1016	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1221	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1232	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1242	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1248	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1254	Dry Weight	mg/kg	<0.1	0.2	0.5	0.1
Aroclor 1260	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1262	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1268	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Total PCBs	Dry Weight	mg/kg	<0.1	0.2	0.5	0.1
Polychlorinated Biphenyls - Soil - Surrogate						
Decachlorobiphenyl	Surrogate	%	82	58	74	50-150



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 61 of 71

		NWL Number	332075-120	332075-121	332075-123	Detection Limit
		Sample Description	BD6	RRMC29	RS-1	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	
Hot Water Soluble						
Boron	Water Soluble	mg/kg	0.4	4	<0.1	0.1
Metals Strong Acid Extractable						
Mercury	Strong Acid Extractable	ug/g	0.03	0.03	<0.01	0.01
Antimony	Strong Acid Extractable	ug/g	5.6	1.4	0.6	0.4
Arsenic	Strong Acid Extractable	ug/g	1.5	1.4	<0.5	0.5
Barium	Strong Acid Extractable	ug/g	411	59.0	18.8	0.05
Beryllium	Strong Acid Extractable	ug/g	0.22	0.21	0.13	0.03
Cadmium	Strong Acid Extractable	ug/g	4.30	1.12	0.05	0.03
Cobalt	Strong Acid Extractable	ug/g	38.1	47.8	9.87	0.05
Copper	Strong Acid Extractable	ug/g	4.49	4.28	1.55	0.04
Lead	Strong Acid Extractable	ug/g	381	45.5	8.58	0.05
Molybdenum	Strong Acid Extractable	ug/g	946	120	3.8	0.1
Nickel	Strong Acid Extractable	ug/g	1.6	0.7	0.1	0.1
Selenium	Strong Acid Extractable	ug/g	17.0	16.4	4.83	0.05
Silver	Strong Acid Extractable	ug/g	0.3	<0.2	<0.2	0.3
Thallium	Strong Acid Extractable	ug/g	1.89	<0.05	0.06	0.05
Tin	Strong Acid Extractable	ug/g	<0.3	<0.3	<0.3	0.4
Vanadium	Strong Acid Extractable	ug/g	17.8	3.4	2.0	0.3
Zinc	Strong Acid Extractable	ug/g	17.4	22.3	8.60	0.05
			931	80.2	14.9	0.05



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 62 of 71

		NWL Number	332075-122	332075-123	332075-124	
		Sample Description	Stains Comp US	RS-1	RS-2	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Mono-Aromatic Hydrocarbons - Soil						
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04	
Benzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Toluene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Ethylbenzene	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Total Xylenes (m,p,o)	Dry Weight	mg/kg	<0.02	<0.02	<0.02	0.02
Volatile Petroleum Hydrocarbons - Soil						
Extraction Date			16-Sep-04	16-Sep-04	16-Sep-04	
F1 C6-C10	Dry Weight	mg/kg	<1	<1	<1	1
' TEX	Dry Weight	mg/kg	<1	<1	<1	1
Extractable Petroleum Hydrocarbons - Soxhlet						
Extraction Date			17-Sep-04	17-Sep-04	17-Sep-04	
F2 C10-C16	Dry Weight	mg/kg	406	<10	<10	10
F3 C16-C34	Dry Weight	mg/kg	14100	28	27	10
F4 C34-C50	Dry Weight	mg/kg	8300	11	18	10
F4HTGC C34-C50+	Dry Weight	mg/kg	11600	16	22	10
% C50+		%	12.5	0.0	0.0	
Silica Gel Cleanup						
Silica Gel Cleanup			Done	Done	Done	
Soil % Moisture						
Moisture	Soil % Moisture	%	19.10	10.40	10.70	
Polynuclear Aromatic Hydrocarbons - Soil						
Naphthalene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Acenaphthylene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Acenaphthene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Fluorene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Phenanthrene	Dry Weight	mg/kg	0.06	<0.05	<0.05	0.05
Anthracene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Fluoranthene	Dry Weight	mg/kg	0.07	<0.05	<0.05	0.05
Pyrene	Dry Weight	mg/kg	0.16	<0.05	<0.05	0.05
Benzo(a)anthracene	Dry Weight	mg/kg	0.05	<0.05	<0.05	0.05
Chrysene	Dry Weight	mg/kg	0.28	<0.05	<0.05	0.05
Benzo(b)fluoranthene	Dry Weight	mg/kg	0.10	<0.05	<0.05	0.05
Benzo(j)fluoranthene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05
Benzo(k)fluoranthene	Dry Weight	mg/kg	0.07	<0.05	<0.05	0.05
Benzo(a)pyrene	Dry Weight	mg/kg	0.09	<0.05	<0.05	0.05
Indeno(1,2,3-c,d)pyrene	Dry Weight	mg/kg	0.14	<0.05	<0.05	0.05
Dibenzo(a,h)anthracene	Dry Weight	mg/kg	<0.05	<0.05	<0.05	0.05



Analytical Report

Norwest Labs
7217 Roper Road
Edmonton, AB. T6B 3J4
Phone: (780) 438-5522
Fax: (780) 438-0396

Bill to: Earth Tech Canada Inc.
Report to: Earth Tech Canada Inc.
17203 - 103 Avenue
Edmonton, AB, Canada
T5S 1J4
Attn: Environmental Group
Sampled By:
Company:

Project
ID:
Name: Ekalugad
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 332075
Control Number:
Date Received: Sep 13, 2004
Date Reported: Sep 28, 2004
Report Number: 594363

Page: 63 of 71

		NWL Number	332075-122	332075-123	332075-124	
		Sample Description	Stains Comp US	RS-1	RS-2	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Polynuclear Aromatic Hydrocarbons - Soil - Cont						
Benzo(g,h,i)perylene	Dry Weight	mg/kg	0.26	<0.05	<0.05	0.05
CB(a)P	Carcinogenic Potency Equivalent	mg/kg	0.14	<0.05	<0.05	0.05
PAH - Soil - Surrogate Recovery						
Nitrobenzene-d5	PAH - Surrogate	%	51	94	68	23-130
2-Fluorobiphenyl	PAH - Surrogate	%	26	76	54	30-130
p-Terphenyl-d14	PAH - Surrogate	%	44	57	50	18-137
		NWL Number	332075-123	332075-124	332075-125	
		Sample Description	RS-1	RS-2	WLS-1	
		Matrix	Soil - general	Soil - general	Soil - general	
Analyte		Units	Results	Results	Results	Detection Limit
Polychlorinated Biphenyls - Soil						
Aroclor 1016	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1221	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1232	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1242	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1248	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1254	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1260	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1262	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Aroclor 1268	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Total PCBs	Dry Weight	mg/kg	<0.1	<0.1	<0.1	0.1
Polychlorinated Biphenyls - Soil - Surrogate						
Decachlorobiphenyl	Surrogate	%	103	86	99	50-150