



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

August 22, 2017

Jackson Sillars
GRuB
2016 Elliott Avenue
Olympia, WA 98502

Dear Mr. Sillars:

Please find enclosed the analytical data report for the Victory Farm Project located in Lacey, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of in 30 days unless we are contacted to arrange long term storage.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
Senior Chemist
Libby Environmental, Inc.

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Date: August 9, 2017 Page: 1 of 1

Client: GRUB

Project Manager: Jackson Sillars

Address: 2016 Elliott Ave NW

Project Name: Victory Farm

City: Olympia State: WA Zip: 98502

Location: 7027 Martin Way E City, State: Olympia Lacey, WA

Phone: (360) 753-5522 Fax: (360) 754-1244

Collector: Jackson Sillars Date of Collection: 8/8/17

Client Project #:

Email: JACKSON@GRUB.ORG

Sample Number	Depth	Time	Sample Type	Container Type	Analytes												Field Notes					
					VOC 8260	NWTPH-Cx	BTEX 8021	NWTPH-HCID	NWTPH-Dx	NWTPH-Dx/Dx	6 PAH 8270	PAH 8270	Semi Vol 8270	PCB 8082	MTC 5 Metals	RCRA 8 Metals		Total Pb	Total As			
1	L1	3-4"	4:30P	Soil	Jar				X										X	X		
2	2	3-4"	4:30P	Soil	Jar				X										X	X		
3	3	3-4"	4:30P	Soil	Jar				X										X	X		
4	4	3-4"	4:30P	Soil	Jar				X										X	X		
5	R5	3-4"	4:30P	Soil	Jar				X										X	X		
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						

Relinquished by: <u>[Signature]</u>	Date / Time: <u>8/9/17 9:11 AM</u>	Received by: <u>[Signature]</u>	Date / Time: <u>8/9/17 9:11 AM</u>	Sample Receipt Good Condition? Y N Temp. °C Seals Intact? Y N N/A Total Number of Containers:	Remarks:
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
				TAT: 24HR 48HR 5-DAY	

LEGAL ACTION CLAUSE: In the event of default of payment and/or failure to pay, Client agrees to pay the costs of collection including court costs and reasonable attorney fees to be determined by a court of law. Distribution: White - Lab, Yellow - File, Pink - Originator

Libby Environmental, Inc.

VICTORY FARM PROJECT
GRuB
Lacey, Washington
Libby Project # L170809-1

4139 Libby Road NE
Olympia, WA 98506
Phone: (360) 352-2110
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Email: libbyenv@aol.com

Hydrocarbon Identification by NWTPH-HCID for Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (mg/kg)	Diesel (mg/kg)	Oil (mg/kg)
Method Blank	8/9/17	95	nd	nd	nd
L1	8/9/17	129	nd	nd	nd
2	8/9/17	126	nd	nd	nd
3	8/9/17	112	nd	nd	nd
4	8/9/17	133	nd	nd	nd
R5	8/9/17	115	nd	nd	nd
R5 Dup	8/9/17	130	nd	nd	nd
Practical Quantitation Limit			20	50	250

"nd" Indicates not detected at listed detection limits.

"D" Indicates detected above the listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Maria Friedrich

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VICTORY FARM PROJECT

GRuB

Lacey, Washington

Libby Project # L170809-1

Analyses of Total Metals in Soil by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (mg/kg)	Arsenic (mg/kg)
Method Blank	8/13/17	nd	nd
L1	8/13/17	38	nd
2	8/13/17	77	nd
3	8/13/17	61	nd
4	8/13/17	41	8.7
R5	8/13/17	32	9.2
R5 Dup	8/13/17	32	8.8
Practical Quantitation Limit		5.0	5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Dirk Peterson

Libby Environmental, Inc.

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GRuB
Lacey, Washington
Libby Project # L170809-1

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QA/QC for Total Metals in Soil by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (% Recovery)	Arsenic (% Recovery)
LCS	8/13/17	99%	117%
R5 MS	8/13/17	95%	107%
R5 MSD	8/13/17	100%	107%
RPD	8/13/17	5%	0%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%

ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Dirk Peterson

