

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

ATC Group Services LLC



AK Railroad Corp; AK

70KAST Demo

SGS Job Number: FA72104

Sampling Date: 01/28/20

Report to:

ATC Group Services LLC.
383 Industrial Way Suite 300
Anchorage, AK 99501
joel.hicklin@atcgs.com; robert.klaswick@atcgs.com

ATTN: Joel Hicklin

Total number of pages in report: 14



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Caitlin Brice
Caitlin Brice, M.S.
General Manager

Client Service contact: Muna Mohammed 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), IL(200063), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AK, AR, IA, KY, MA, MS, ND, NH, NV, OK, OR, UT, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

Table of Contents

Sections:



-1-

Section 1: Sample Summary	3
Section 2: Summary of Hits	4
Section 3: Sample Results	5
3.1: FA72104-1: 2020-024-SE02	6
3.2: FA72104-2: 2020-024-NW02	7
Section 4: Misc. Forms	8
4.1: Chain of Custody	9
Section 5: GC/LC Semi-volatiles - QC Data Summaries	11
5.1: Method Blank Summary	12
5.2: Blank Spike Summary	13
5.3: Duplicate Summary	14



Sample Summary

ATC Group Services LLC

Job No: FA72104

AK Railroad Corp; AK
Project No: 70KAST Demo

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
---------------	----------------	---------	----------	------------------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

FA72104-1	01/28/20	12:00 EW	01/30/20	SO Solid	2020-024-SE02
FA72104-2	01/28/20	12:00 EW	01/30/20	SO Solid	2020-024-NW02

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: FA72104
Account: ATC Group Services LLC
Project: AK Railroad Corp; AK
Collected: 01/28/20

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA72104-1	2020-024-SE02					
Aroclor 1254 ^a		250	160	63	ug/kg	SW846 8082A
FA72104-2	2020-024-NW02					
Aroclor 1254 ^a		247	180	71	ug/kg	SW846 8082A

(a) All hits confirmed by dual column analysis.

Sample Results

Report of Analysis

Report of Analysis

3.1
3

Client Sample ID: 2020-024-SE02	Date Sampled: 01/28/20
Lab Sample ID: FA72104-1	Date Received: 01/30/20
Matrix: SO - Solid	Percent Solids: n/a ^a
Method: SW846 8082A SW846 3546	
Project: AK Railroad Corp; AK	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^b	MM61131.D	1	01/31/20 15:28	EM	01/31/20 11:29	OP78766	GMM1251
Run #2							

Run #	Initial Weight	Final Volume
Run #1	1.60 g	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	160	63	ug/kg	
11104-28-2	Aroclor 1221	ND	160	78	ug/kg	
11141-16-5	Aroclor 1232	ND	160	78	ug/kg	
53469-21-9	Aroclor 1242	ND	160	63	ug/kg	
12672-29-6	Aroclor 1248	ND	160	63	ug/kg	
11097-69-1	Aroclor 1254	250	160	63	ug/kg	
11096-82-5	Aroclor 1260	ND	160	63	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		44-126%
2051-24-3	Decachlorobiphenyl	57%		41-145%

- (a) All results reported on a wet weight basis.
- (b) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.2
3

Client Sample ID: 2020-024-NW02	Date Sampled: 01/28/20
Lab Sample ID: FA72104-2	Date Received: 01/30/20
Matrix: SO - Solid	Percent Solids: n/a ^a
Method: SW846 8082A SW846 3546	
Project: AK Railroad Corp; AK	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^b	MM61132.D	1	01/31/20 15:40	EM	01/31/20 11:29	OP78766	GMM1251
Run #2							

Run #	Initial Weight	Final Volume
Run #1	1.40 g	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	180	71	ug/kg	
11104-28-2	Aroclor 1221	ND	180	89	ug/kg	
11141-16-5	Aroclor 1232	ND	180	89	ug/kg	
53469-21-9	Aroclor 1242	ND	180	71	ug/kg	
12672-29-6	Aroclor 1248	ND	180	71	ug/kg	
11097-69-1	Aroclor 1254	247	180	71	ug/kg	
11096-82-5	Aroclor 1260	ND	180	71	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		44-126%
2051-24-3	Decachlorobiphenyl	71%		41-145%

- (a) All results reported on a wet weight basis.
- (b) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

GC/LC Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA72104
 Account: ATCAKA ATC Group Services LLC
 Project: AK Railroad Corp; AK

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP78766-MB	MM61130.D	1	01/31/20	EM	01/31/20	OP78766	GMM1251

The QC reported here applies to the following samples:

Method: SW846 8082A

FA72104-1, FA72104-2

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	17	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	17	8.3	ug/kg	
11141-16-5	Aroclor 1232	ND	17	8.3	ug/kg	
53469-21-9	Aroclor 1242	ND	17	6.7	ug/kg	
12672-29-6	Aroclor 1248	ND	17	6.7	ug/kg	
11097-69-1	Aroclor 1254	ND	17	6.7	ug/kg	
11096-82-5	Aroclor 1260	ND	17	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Result	Limits
877-09-8	Tetrachloro-m-xylene	108%	44-126%
2051-24-3	Decachlorobiphenyl	85%	41-145%

5.1.1
5

Blank Spike Summary

Job Number: FA72104
 Account: ATCAKA ATC Group Services LLC
 Project: AK Railroad Corp; AK

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP78766-BS	MM61129.D	1	01/31/20	EM	01/31/20	OP78766	GMM1251

5.2.1
5

The QC reported here applies to the following samples:

Method: SW846 8082A

FA72104-1, FA72104-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	133	150	113	58-126
11096-82-5	Aroclor 1260	133	150	113	59-133

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	113%	44-126%
2051-24-3	Decachlorobiphenyl	89%	41-145%

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA72104
 Account: ATCAKA ATC Group Services LLC
 Project: AK Railroad Corp; AK

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP78766-DUP	MM61150.D	1	02/03/20	EM	01/31/20	OP78766	GMM1252
FA72104-1 ^a	MM61131.D	1	01/31/20	EM	01/31/20	OP78766	GMM1251

The QC reported here applies to the following samples:

Method: SW846 8082A

FA72104-1, FA72104-2

CAS No.	Compound	FA72104-1 ug/kg	DUP Q	FA72104-1 ug/kg	DUP Q	RPD	Limits
12674-11-2	Aroclor 1016	ND		ND		nc	25
11104-28-2	Aroclor 1221	ND		ND		nc	30
11141-16-5	Aroclor 1232	ND		ND		nc	30
53469-21-9	Aroclor 1242	ND		ND		nc	30
12672-29-6	Aroclor 1248	ND		ND		nc	30
11097-69-1	Aroclor 1254	250		245		2	30
11096-82-5	Aroclor 1260	ND		ND		nc	31

CAS No.	Surrogate Recoveries	DUP	FA72104-1	Limits
877-09-8	Tetrachloro-m-xylene	66%	60%	44-126%
2051-24-3	Decachlorobiphenyl	62%	57%	41-145%

(a) All hits confirmed by dual column analysis.

* = Outside of Control Limits.

5.3.1
5