

NM1 - 65

PART 36
PERMIT
APPLICATION
Attachments 6

2B of 3

June 28, 2019

Project No: 1st Quarter Treatment
Zone Sampling

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 10-1

SPECIALIST. *T. Francis*

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

SAMPLE DIAGRAM

GRID SCALE:

36° 31.0013
107° 55' 72.42"

3'

light colored soil

moist sandy

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	



COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/76

ENVIRONMENTAL
SPECIALIST: *J. Garcia*

SPECIALIST: *J. Garcia*

QUANTITY:

DIMENSIONS:

SOIL REMEDIATION

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

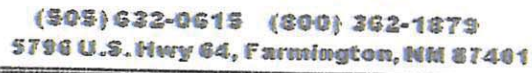
36° 31.0004
107° 55.7434

GRID SCALE:

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

3'

Extra Sample
light dry Soil



COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL

SPECIALIST: *G. Garcia*

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

GRID SCALE:

36² 30.9991
107⁶ 55.7622

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

fine sandy soil
kinda moist

3'

4'



COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL
SPECIALIST: *J. Garcia*

SPECIALIST: *A. Garcia*

SAMPLING PLAN:

GRID SCALE:

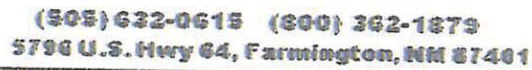
36° 30.9984'
107° 55.7800'

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		

3'

11 gphr
moist
soil

7



COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/26/16

DATE FINISHED: 3/26/16

ENVIRONMENTAL

SPECIALIST: T. Garret

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

GRID SCALE:

36° 30.9980

107° 55.7972

The figure consists of a large grid with a hand-drawn diagram and a table. The diagram shows two rectangular plots. The left plot is labeled '3' and the right plot is labeled 'MIX 50/50'. To the right of the plots is a table titled 'LAB SAMPLES' with columns for 'SAMPLE ID', 'ANALYSIS', and 'TIME'. The table contains three rows of data: '8015', '8021', and 'Chlorides'.

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



Project No: 1st Quarter Treatment
Zone Sampling

COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL

SPECIALIST: *A. Garcia*

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

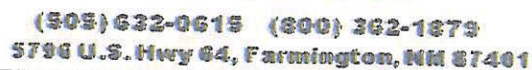
SAMPLING PLAN:

GRID SCALE:

36° 30.9965
107° 55.8157



SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	



COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL

SPECIALIST: *J. Garate*

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

GRID SCALE:

36° 30.9963
107° 55.8342

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

Dark Brown Moist Dirt

15

10



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Project No: 1st Quarter Treatment
Zone Sampling
COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 10-B

SPECIALIST: E. Garcia

SOIL
REMEDATION

QUANTITY:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

36°30-9960
107°55-8543

SAMPLE DIAGRAM

GRID SCALE:

						LAB SAMPLES		
						SAMPLE ID	ANALYSIS	TIME
							8015	
							8021	
							Chlorides	



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 10-9

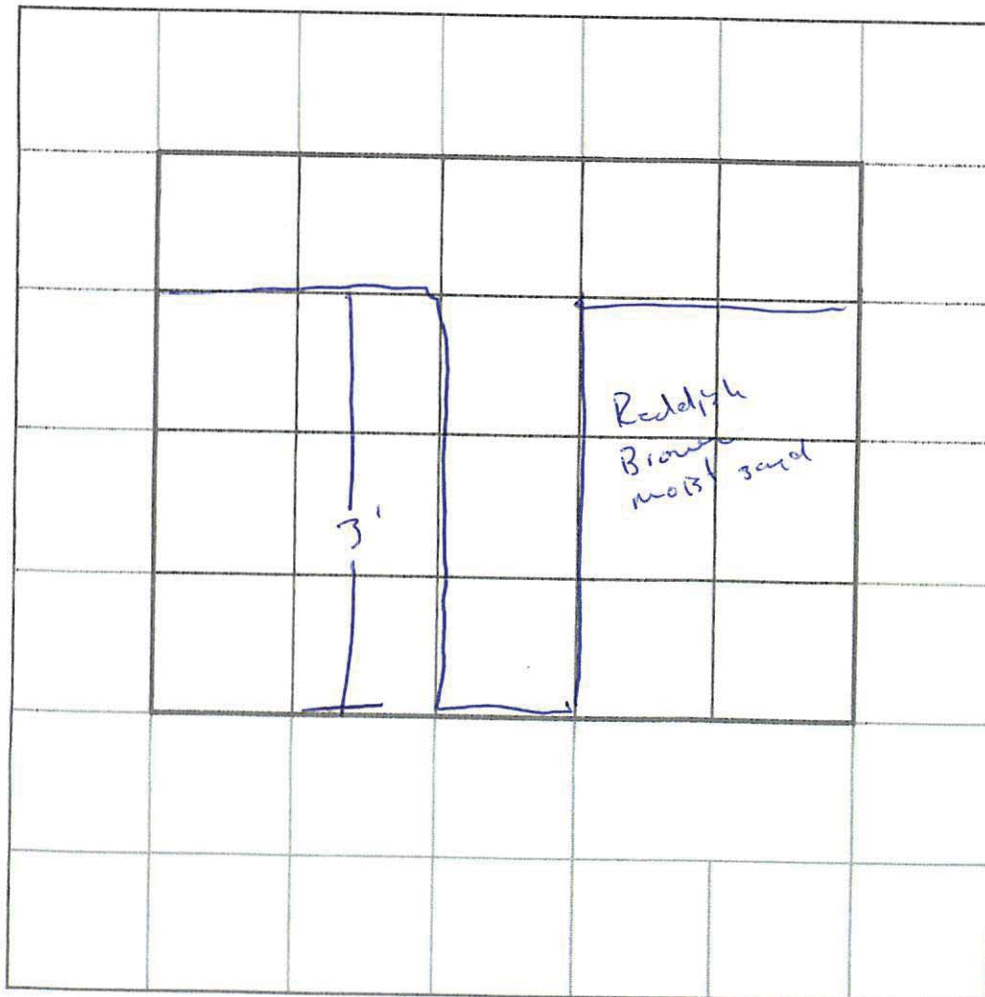
SPECIALIST: J. Garcia

SOIL
REMEDATION
QUANTITY:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

36° 30.9674
107° 55.7220

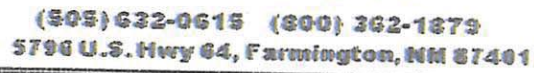
SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL
SPECIALIST: *P. Haveré*

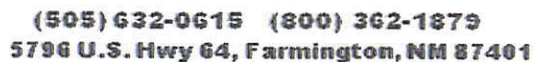
SPECIALIST: P. Garcia

SAMPLING PLAN:

GRID SCALE:

36°31.9668
107°55.7377

Reddish
Brown
moist
sand



COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/25/18

DATE FINISHED: 3/25/16

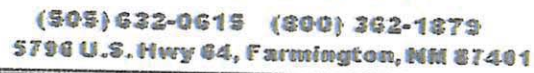
ENVIRONMENTAL

SPECIALIST: *T. Garcia*

SAMPLING PLAN:

GRID SCALE:

Hand-drawn diagram of a soil profile on a grid. The profile is a vertical rectangle divided into two layers. The top layer is labeled "Reddish Brown moist sand" and the bottom layer is labeled "Light Brown Dry sand". A vertical line on the left side of the profile is labeled "3'" indicating the depth of the top layer. The entire diagram is drawn on a grid background.



COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL

SPECIALIST: *T. Garcia*

SAMPLING PLAN:

GRID SCALE:

~~36° 30.1144~~ 36° 30.9663
~~107° 55.8144~~ 107° 55.7761



SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	



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Project No: 1st Quarter Treatment
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COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 10-B

SPECIALIST: J. Garcia

SOIL
REMEDIATION

QUANTITY:

DIMENSIONS:

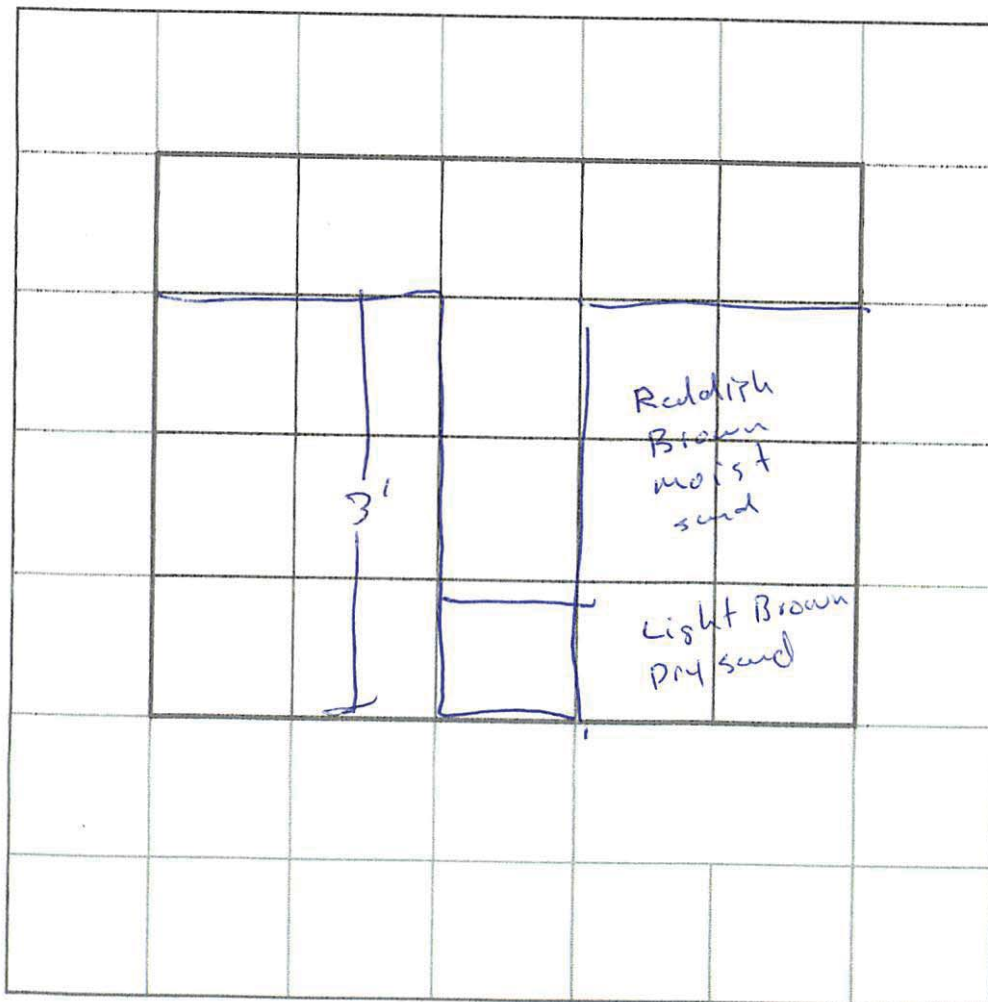
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

SAMPLE DIAGRAM

GRID SCALE:

36° 30-9656
107° 55-7959



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

DATE FINISHED: 3/25/16

CELL/ SECTION: Area 10-14

ENVIRONMENTAL

SPECIALIST: E. Harte

SOIL
REMEDATION

QUANTITY:

DIMENSIONS:

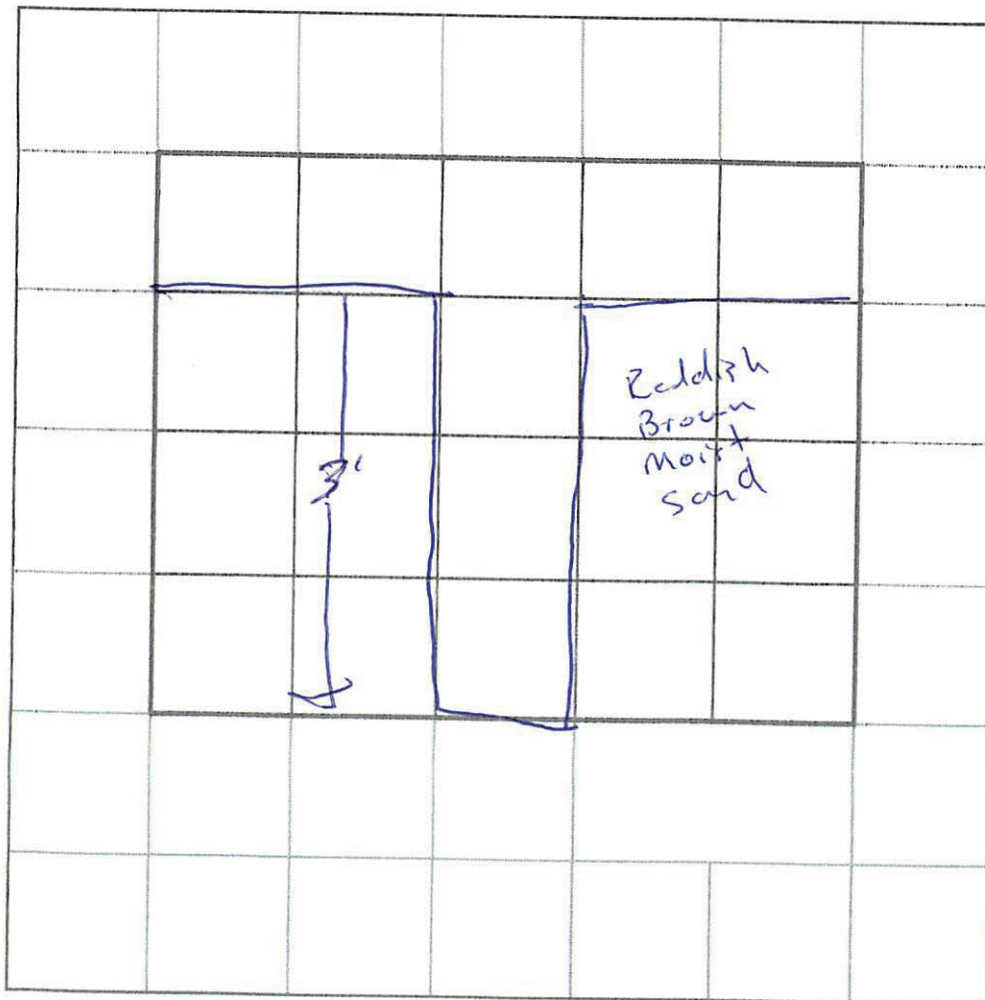
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

SAMPLE DIAGRAM

GRID SCALE:

36° 30' - 9662
107° 55' - 8145



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	



COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL
SPECIALIST: *T. Garate*

SPECIALIST: *T. Bawo*

SAMPLING PLAN:

GRID SCALE:

107 SS. 8336

Reddish
Brown
moist
sand

3'

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: CF-4

ENVIRONMENTAL

CELL/ SECTION: Area 10-16

SPECIALIST: J. Gower

SOIL
REMEDATION

QUANTITY:

DIMENSIONS:

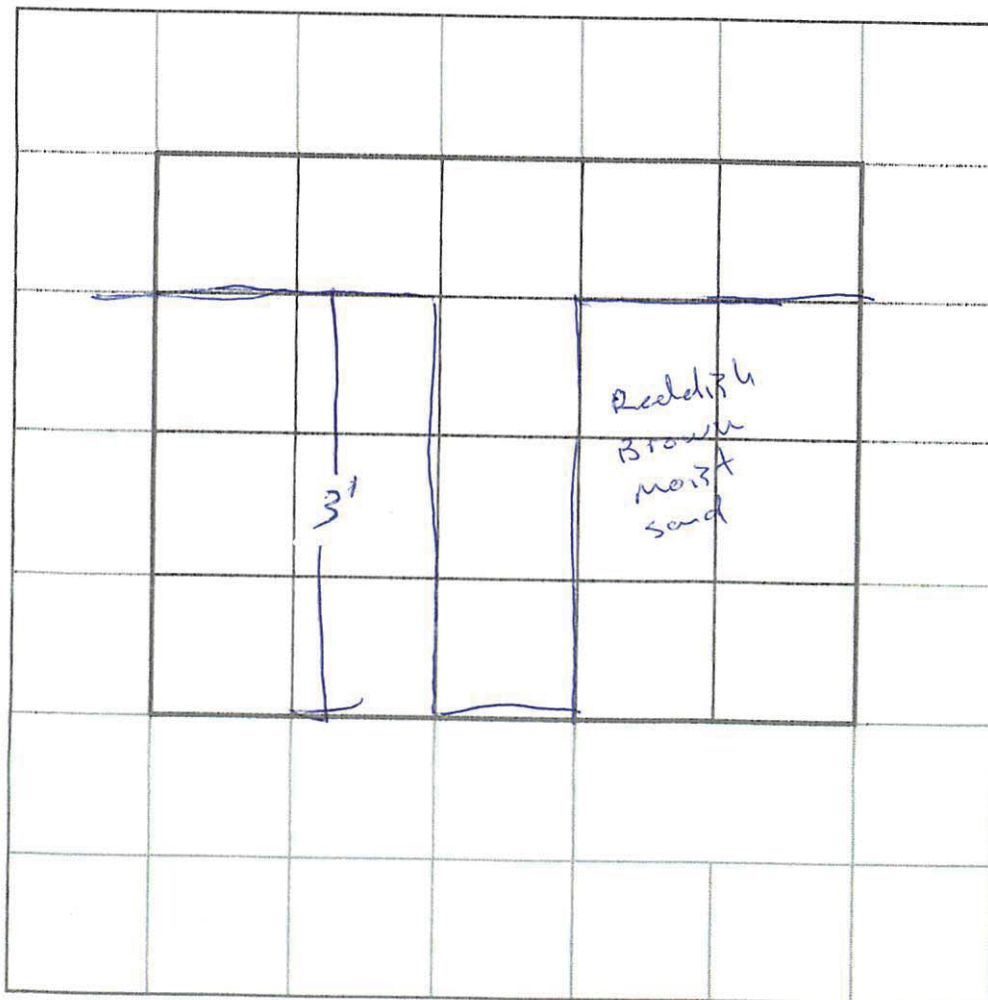
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.9450
107° 55.8534

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	



COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/25/12

DATE FINISHED: 3/25/16

ENVIRONMENTAL

SPECIALIST: *J. Garcia*

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

GRID SCALE:

36^r 30.9383

107° 55.8793

The diagram is drawn on a grid. It features a large rectangle with a smaller rectangle inside it. The smaller rectangle is labeled "Light Brown dry sand". To the left of the smaller rectangle, there is a vertical dimension line with horizontal end caps, labeled "3'".



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/12

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/12

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 11-L

ENVIRONMENTAL
SPECIALIST: J. Garcia

SOIL
REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

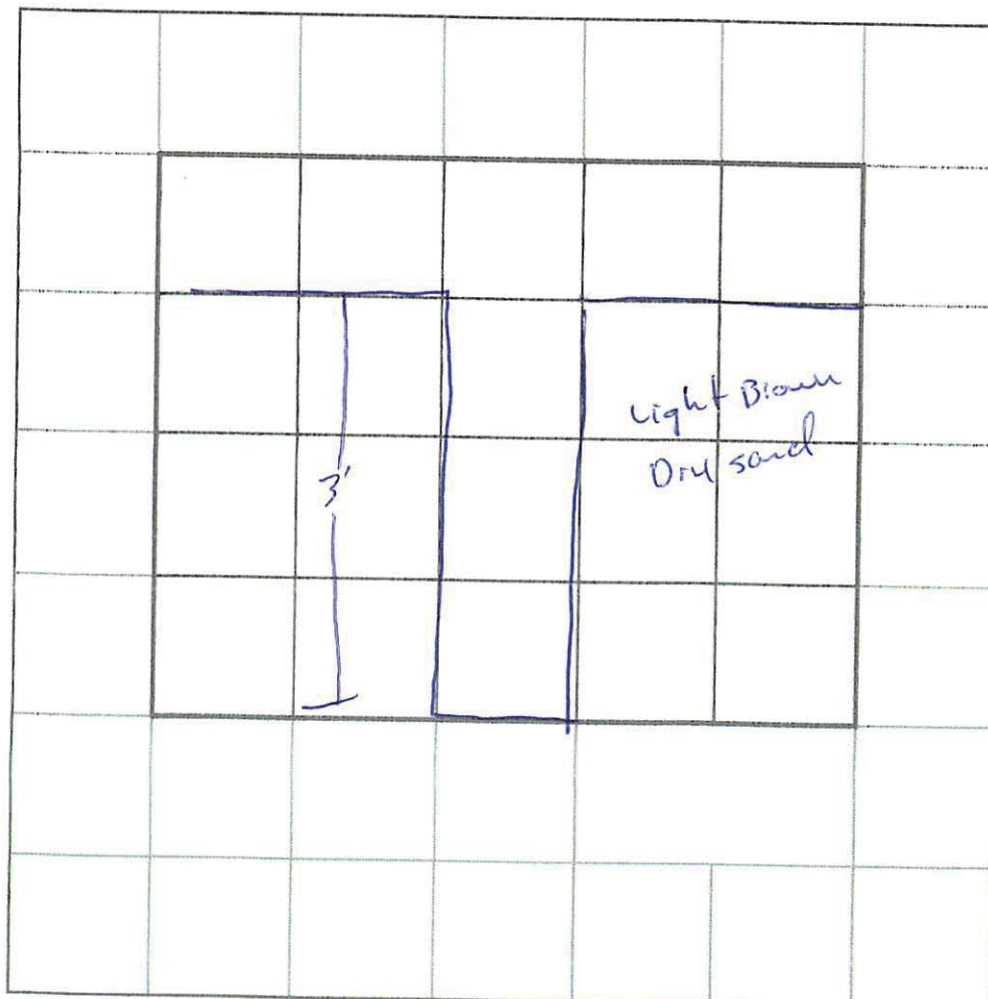
SAMPLING PLAN:

SAMPLE DIAGRAM

GRID SCALE:

36° 30.9409

107° 55.8600



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

Project No: 1st Quarter Treatment
Zone Sampling

COC No:

PAGE NO: 1 OF 1

DATE STARTED:- 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL

SPECIALIST: E. Garcia

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

GRID SCALE:

36° 36.9417
107° 55.8408

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 11-4

SPECIALIST: E. Garcia

QUANTITY:

DIMENSIONS:

SOIL REMEDIATION

VISIBLE OBSERVATIONS:

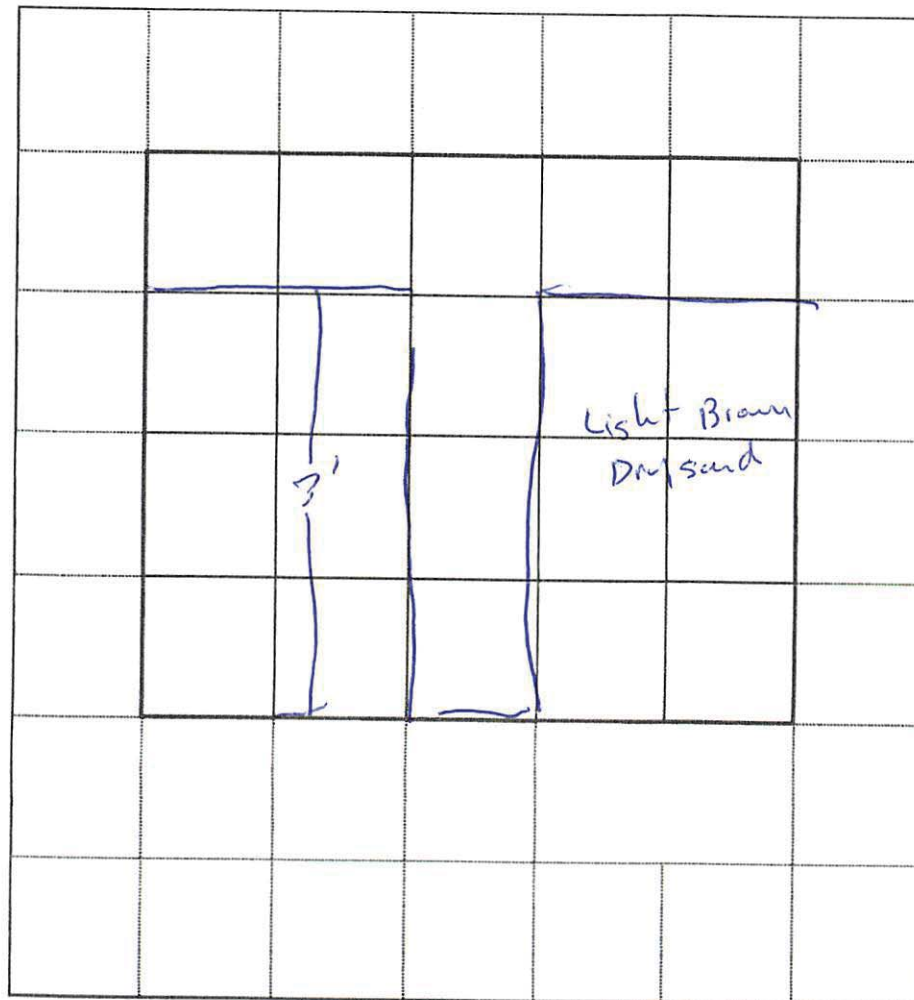
SAMPLING PLAN:

36° 30.9425

107° 55.8233

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 11-5

SPECIALIST: J. Garcia

QUANTITY:

SOIL REMEDIATION

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.9447
107° 55.8037

SAMPLE DIAGRAM

GRID SCALE:

						LAB SAMPLES		
						SAMPLE ID	ANALYSIS	TIME
							8015	
							8021	
							Chlorides	

Light Brown
Dry sand

3'

**envirotech**

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COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: CF.4

ENVIRONMENTAL

CELL/ SECTION: Area 11-6

SPECIALIST: *T. Garcia*

SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

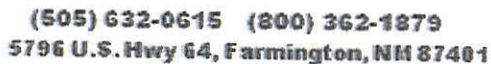
36° 30. 9466
107° 55. 7828

SAMPLE DIAGRAM

GRID SCALE:

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

A hand-drawn diagram on a grid. A rectangle is drawn with a vertical dimension line on the left side labeled '3''. To the right of the rectangle, the text 'Light Brown Dry sand' is written.



COC No:

PAGE NO: 1 OF

DATE STARTED: 8/25/14

DATE FINISHED: 2/25/16

ENVIRONMENTAL

SPECIALIST: *G. Harciz*

SOIL REMEDIATION

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.9478

107° 55, 7643

GRID SCALE:

LAB SAMPLES


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 Project No: 1st Quarter Treatment
 Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE
PAGE NO: 1 OF
VERIFICATION
DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16LANDFARM FIELD: CF-4

ENVIRONMENTAL

CELL/ SECTION: Area 11-8SPECIALIST: T. Garcia

QUANTITY:

DIMENSIONS:

SOIL REMEDIATION

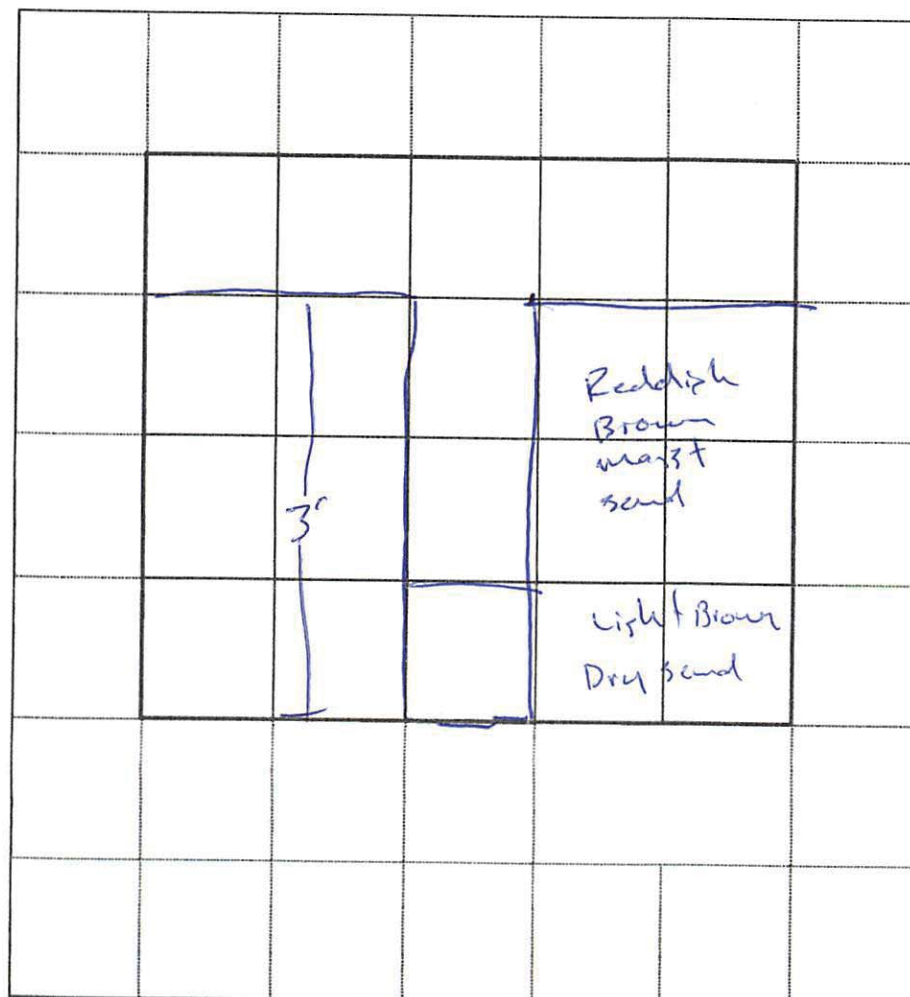
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

 36° 30.9490
 107° 55.7448

SAMPLE DIAGRAM

GRID SCALE:


LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 5/25/16

LANDFARM FIELD: CF-4

ENVIRONMENTAL

CELL/ SECTION: Area 11-9

SPECIALIST: J. Garza

QUANTITY:

DIMENSIONS:

SOIL REMEDIATION

VISIBLE OBSERVATIONS:

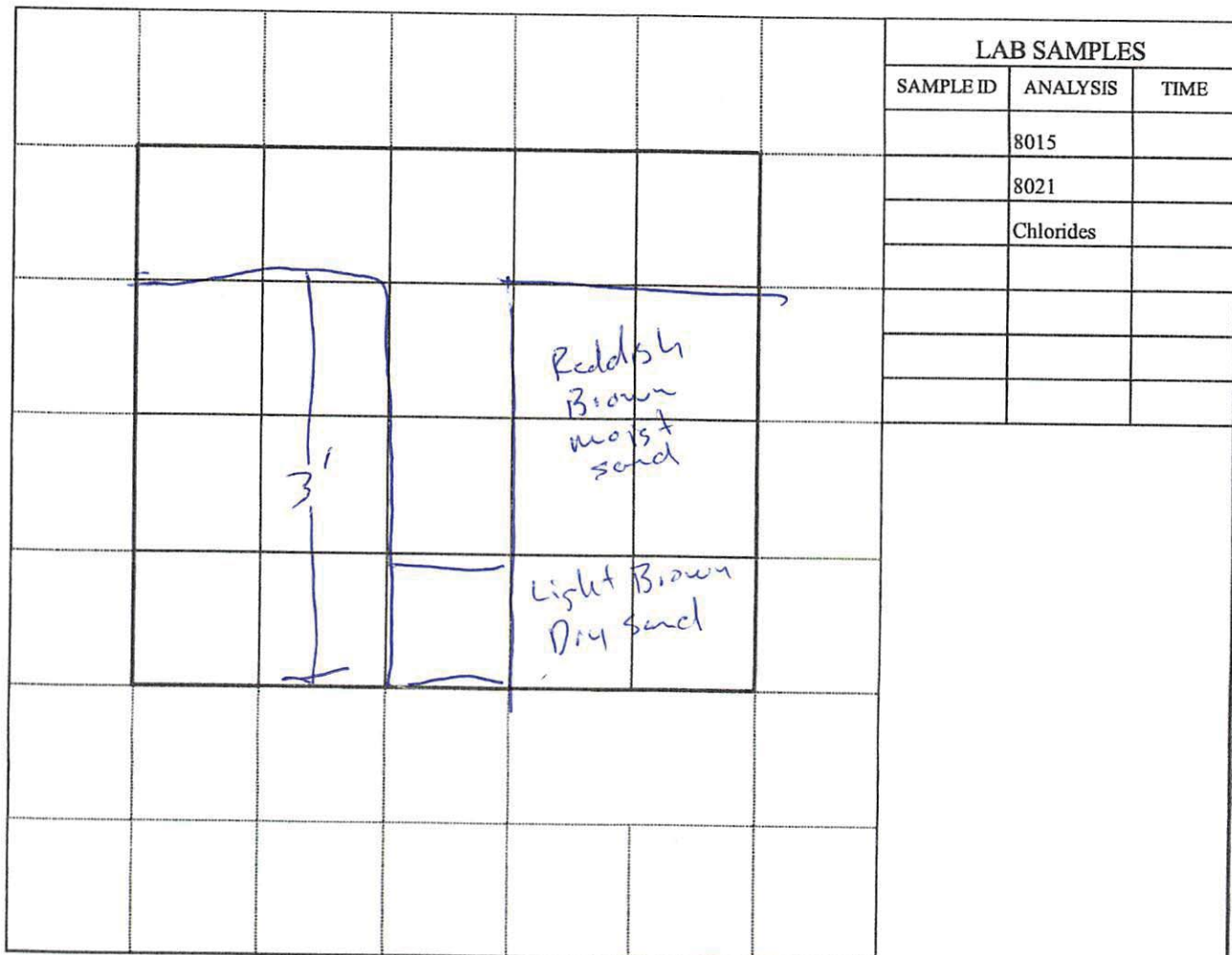
SAMPLING PLAN:

36° 30.9293

107° 55.7264

SAMPLE DIAGRAM

GRID SCALE:





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Project No: 1st Quarter Treatment
Zone Sampling

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FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 11-10

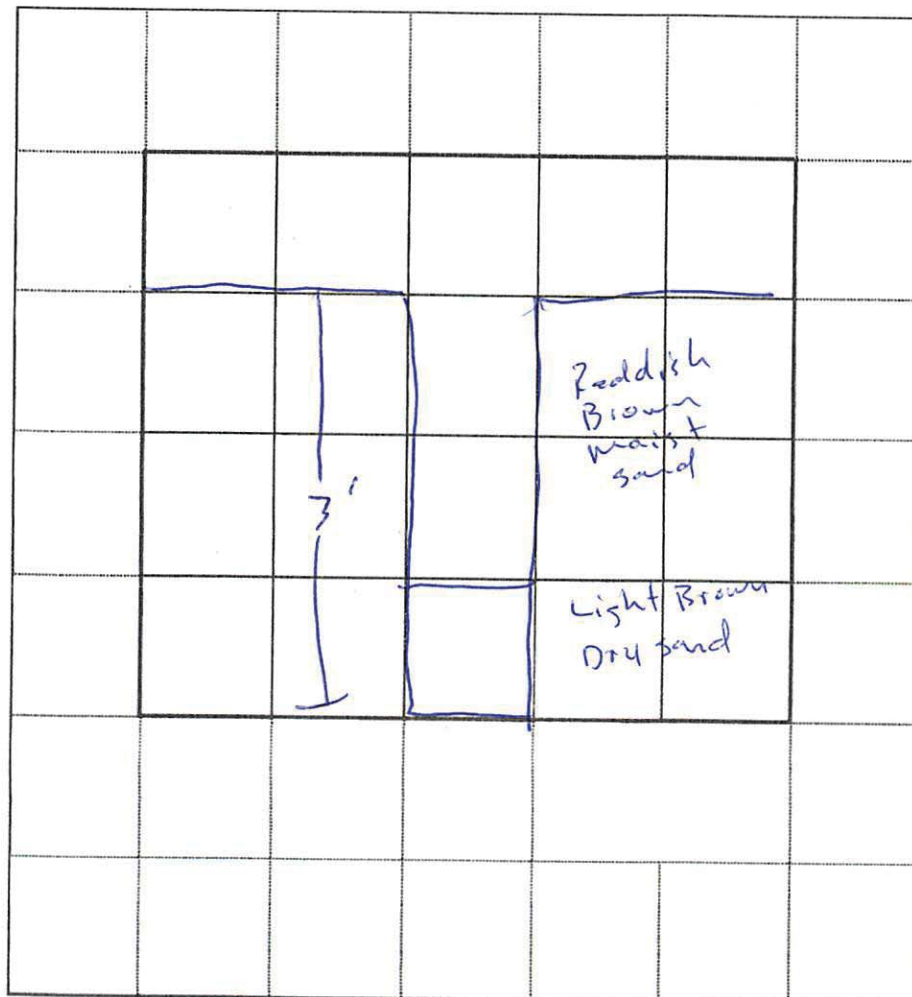
SPECIALIST: E. H. H. H.

SOIL REMEDIATION
QUANTITY:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

36° 30.9277
107° 55.7455

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH. INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 11-11

SPECIALIST: E. Froufe

QUANTITY:

DIMENSIONS:

SOIL REMEDIATION

VISIBLE OBSERVATIONS:

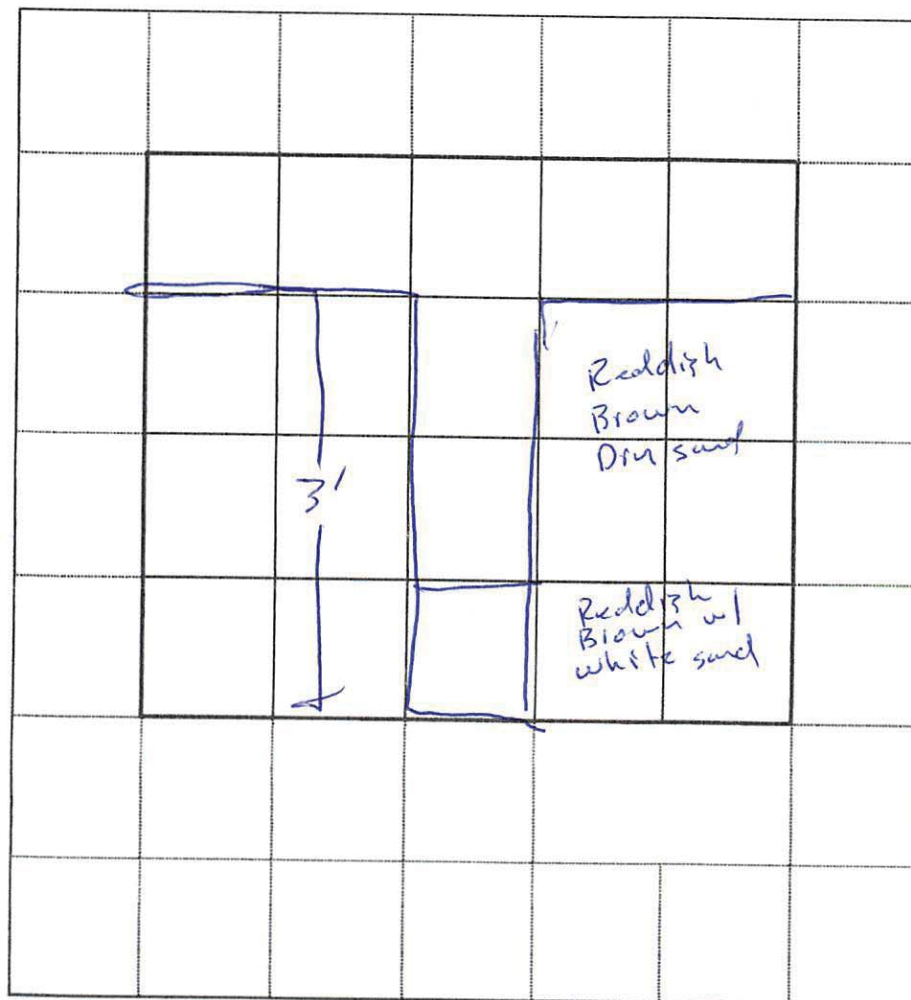
SAMPLING PLAN:

36° 30.9248

107° 55.7625

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH. INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4--

ENVIRONMENTAL

CELL/ SECTION: Area 11-12

SPECIALIST: J. Garcia

SOIL
REMEDATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

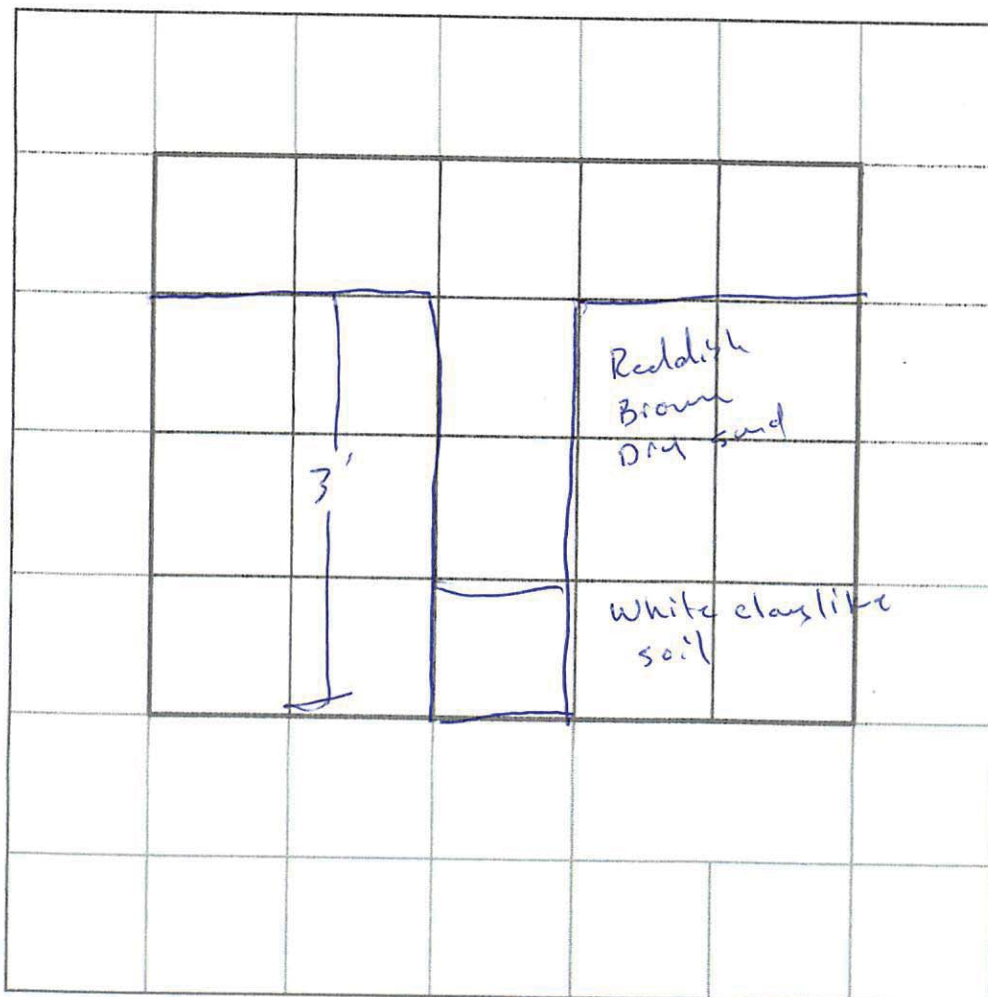
SAMPLING PLAN:

36° 30.9217

107° 55.7815

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: CF-4

ENVIRONMENTAL

CELL/ SECTION: Area 11-13

SPECIALIST: J. Garcia

SOIL
REMEDIATION

QUANTITY:

DIMENSIONS:

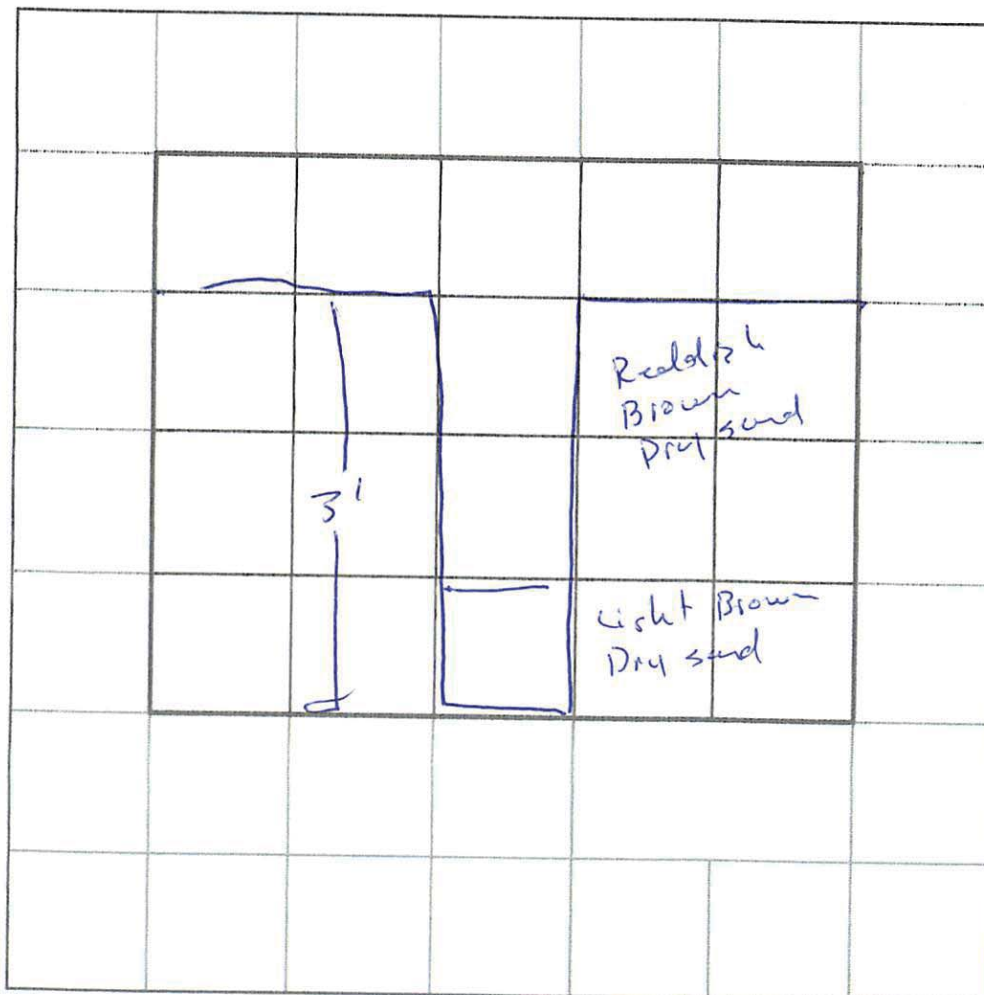
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30, 9182
107° 55, 7994

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

DATE FINISHED: 3/25/16

CELL/ SECTION: Area 11-14

ENVIRONMENTAL

SPECIALIST: Z. Hernandez

SOIL
REMEDATION

QUANTITY:

DIMENSIONS:

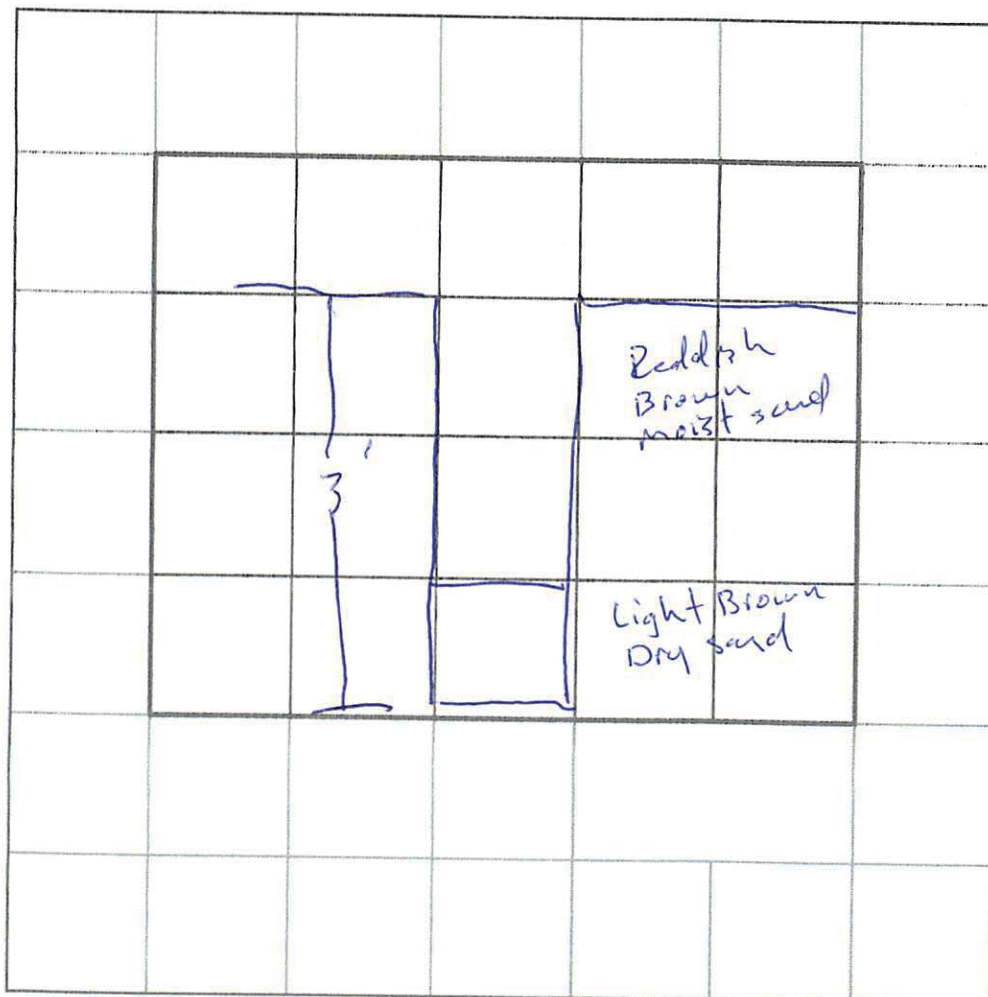
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.9603
109° 55.7920

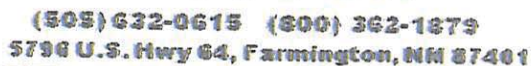
SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/25/18

DATE FINISHED: 3/25/16

ENVIRONMENTAL

SPECIALIST: *T. Garcia*

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30, 9046
107° 55, 7623

GRID SCALE:

Reddish Brown moist sand

3'

Light Brown Dry sand

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 5/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

DATE FINISHED: 5/25/16

CELL/ SECTION: Area 11-16

ENVIRONMENTAL

SPECIALIST: E. Garcia

SOIL
REMEDATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

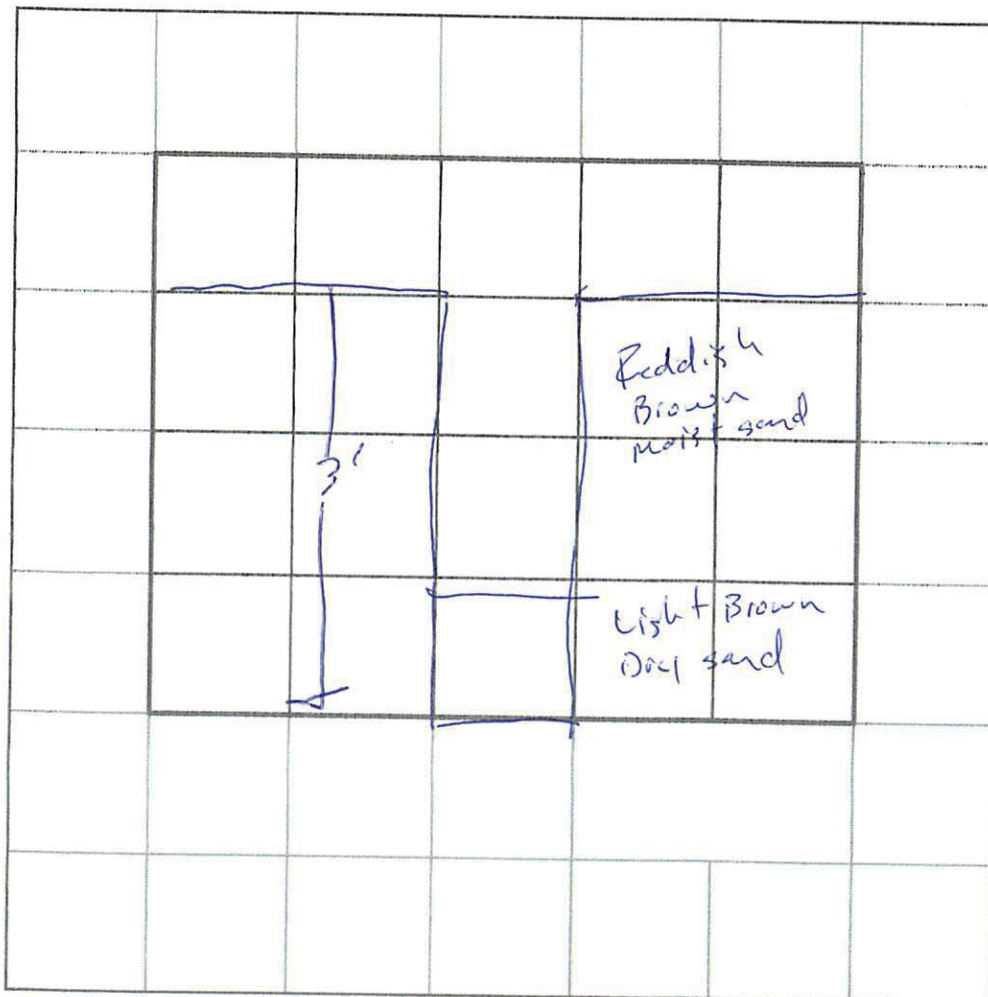
SAMPLING PLAN:

36° 30, 8820

107° 55, 7518

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF 254

ENVIRONMENTAL

CELL/ SECTION: Area 12 #1

SPECIALIST: E. Garcia

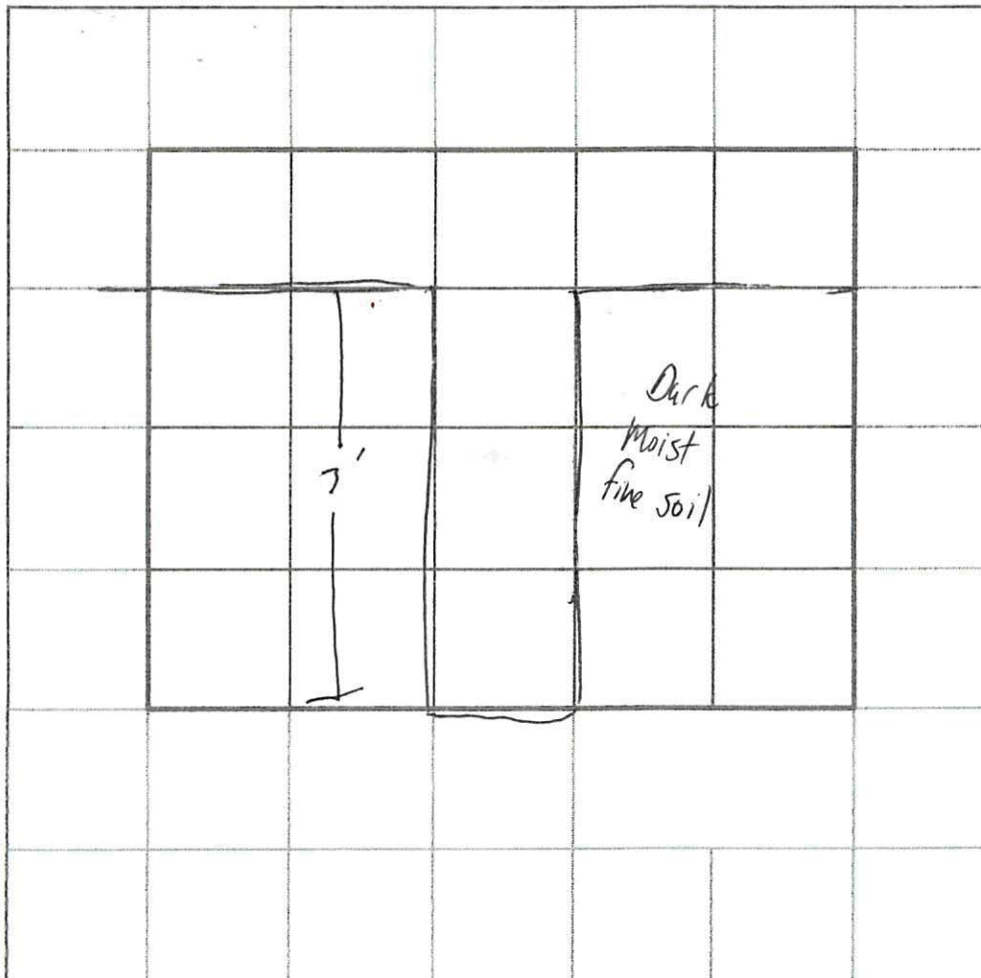
SOIL
REMEDATION

QUANTITY:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

N 36° 31.2676
W 107° 55.9761

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	



COC No:

PAGE NO: _____ OF _____

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL

SPECIALIST: *E. Garcia*

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

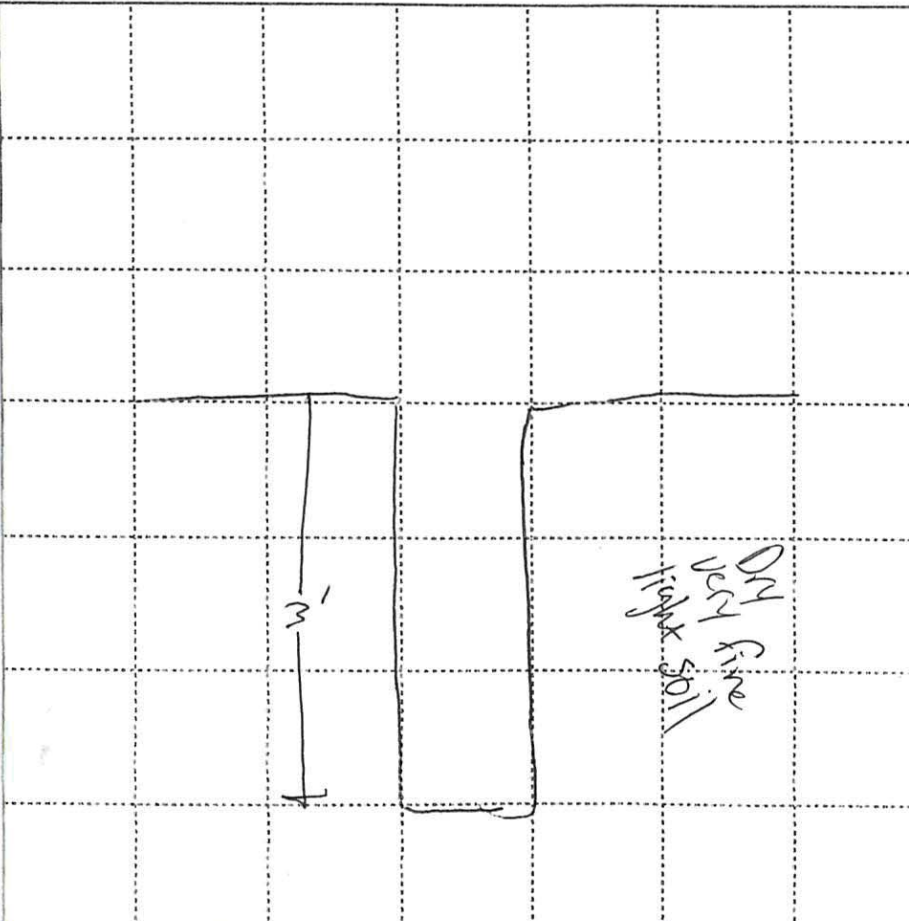
SAMPLING PLAN:

GRID SCALE:

$N \quad 36^{\circ} 31.2646$

W 107° 56.0132

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME



Hand-drawn diagram on a grid showing a stepped profile. The profile consists of a horizontal line at the top, followed by a vertical drop of 3 units, then a horizontal segment, another vertical drop, and a final horizontal segment. The first vertical drop is labeled '3' with a dimension line. The second vertical drop is labeled '50' with a dimension line. The text 'cut line' is written vertically next to the second vertical drop.

Project No:

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: _____ OF _____

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: 4

ENVIRONMENTAL

CELL/ SECTION: 12-3

SPECIALIST: J. Garcia

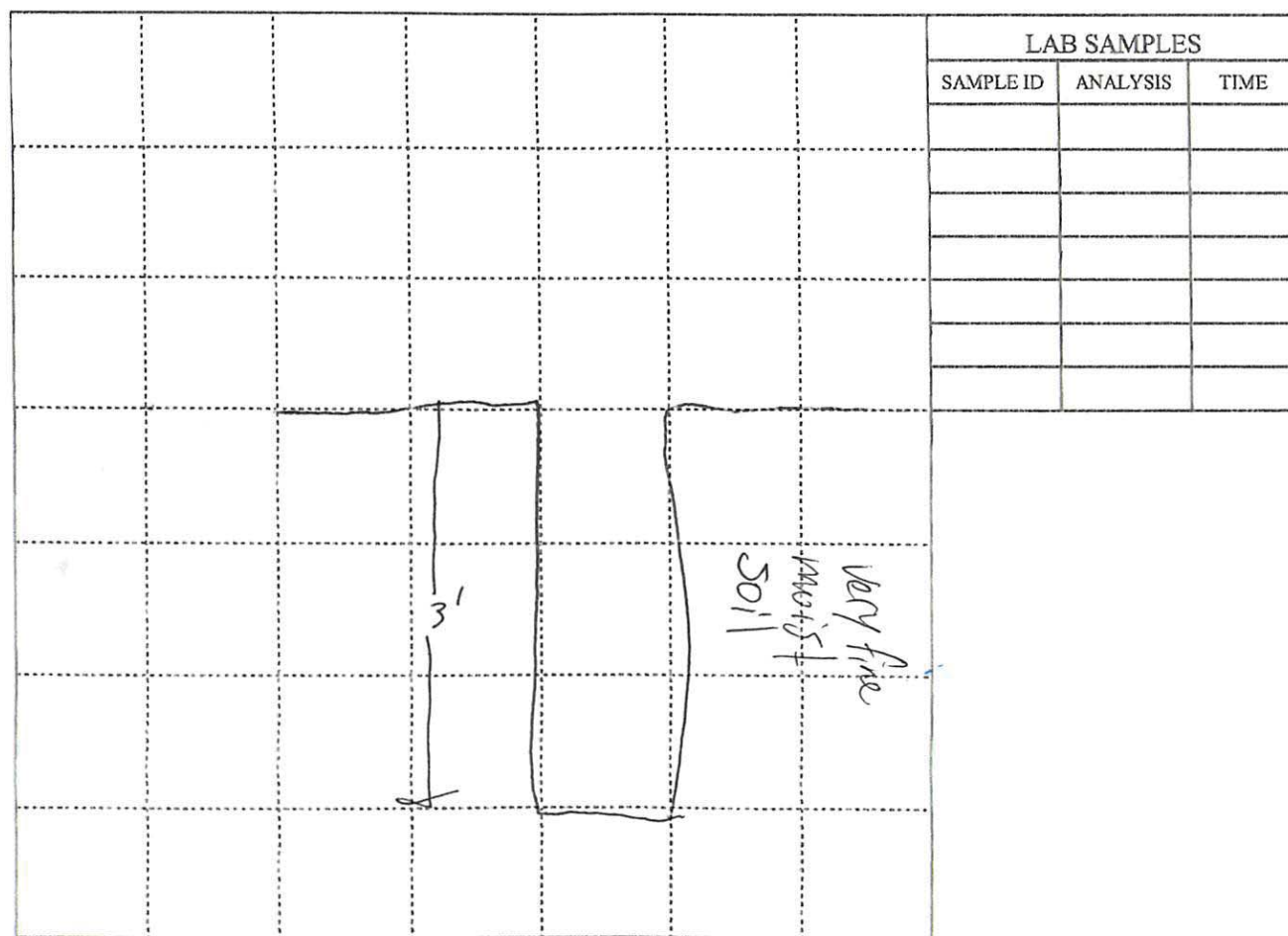
SOIL REMEDIATION
 QUANTITY:
 DIMENSIONS:
 VISIBLE OBSERVATIONS:
 SAMPLING PLAN:

N 36° 31.2518

W 107° 56.0007

SAMPLE DIAGRAM

GRID SCALE:





COC No:

PAGE NO: _____ OF _____

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL

SPECIALIST: *A. Garcia*

DIMENSIONS:

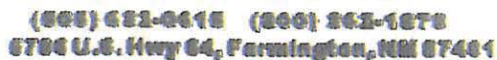
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

N 36° 31.2276
W 107° 56.0164

GRID SCALE:

[illegible]



COC No:

PAGE NO: OF

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

5

ENVIRONMENTAL

12-5

SPECIALIST: *T. Garcia*

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

$N \ 36^{\circ} 31.2227$

W 107° 55.9912

GRID SCALE:

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

3'

Dark & Fine
Moist Sand



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 12-6

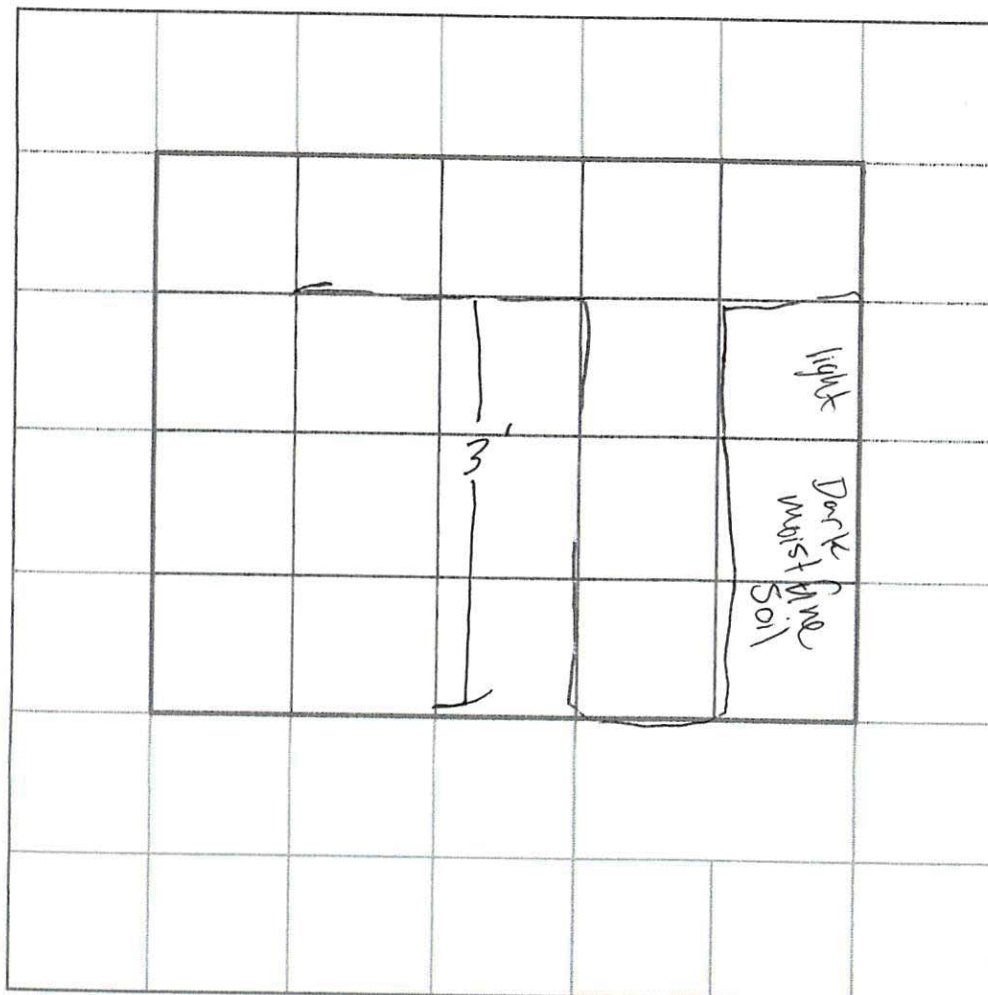
SPECIALIST: J. Garcia

SOIL REMEDIATION
QUANTITY:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

36° 31.1686
107° 55.9771

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 5/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 5/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 12-7

SPECIALIST: J. Garcia

SOIL
REMEDATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

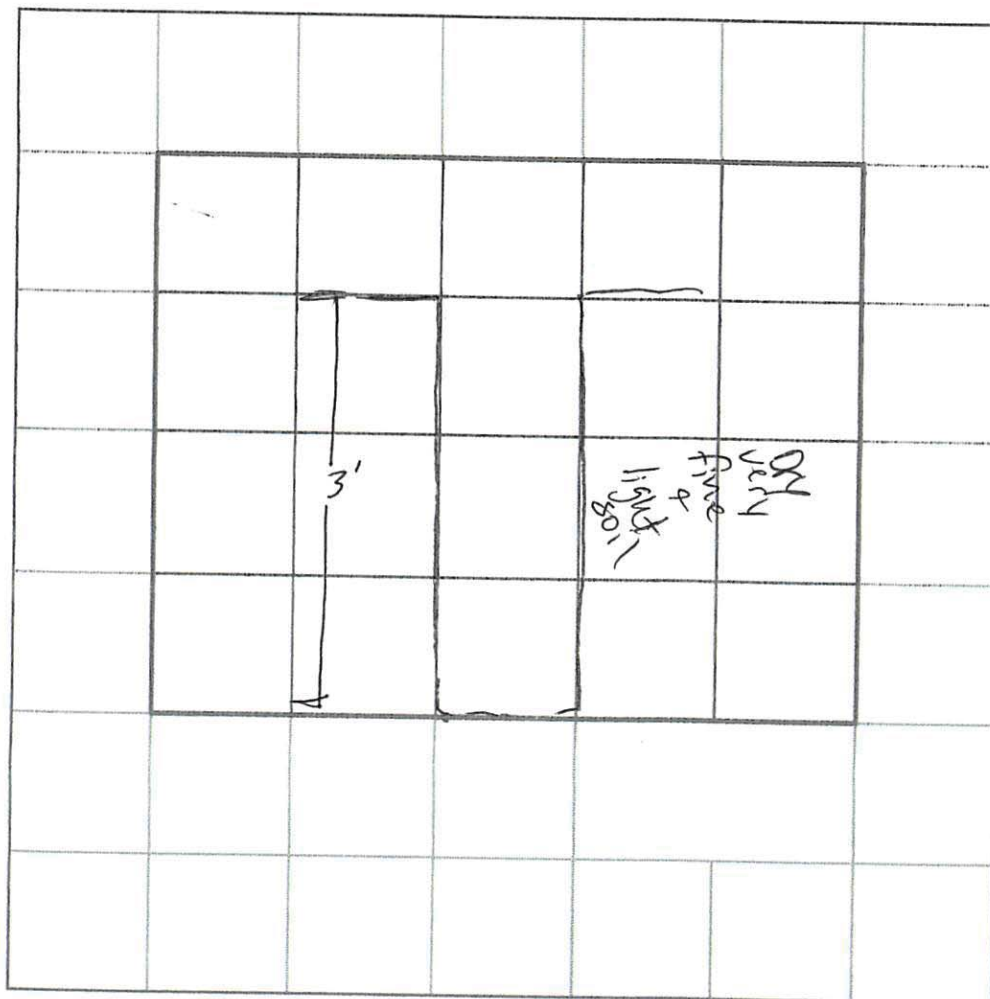
SAMPLING PLAN:

36° 31.1626

107° 56.0101

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL

SPECIALIST: J. Garcia

QUANTITY: _____

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

107° 56.0142

GRID SCALE:



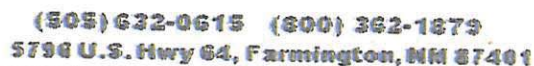
SAMPLE ID	ANALYSIS	TIME
-----------	----------	------

8015

8021

Chlorides

moist
very fine
soil



COC No:

PAGE NO: 1 OF 1

DATE STARTED: 3/25/14

DATE FINISHED: 3/25/16

ENVIRONMENTAL

SPECIALIST: *J. Garofalo*

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 31.1378

$107^\circ 55.9876$

GRID SCALE:

A hand-drawn diagram on a grid background. The diagram consists of a large rectangle divided into four smaller rectangles by a vertical line. To the left of the vertical line, there is a vertical dimension line with arrows at both ends, labeled '3''.

Handwritten text in the center of the diagram reads: "very light mist".



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: CF-4

ENVIRONMENTAL

CELL/SECTION: Area 12-10

SPECIALIST: J. Garcia

SOIL
REMEDATION

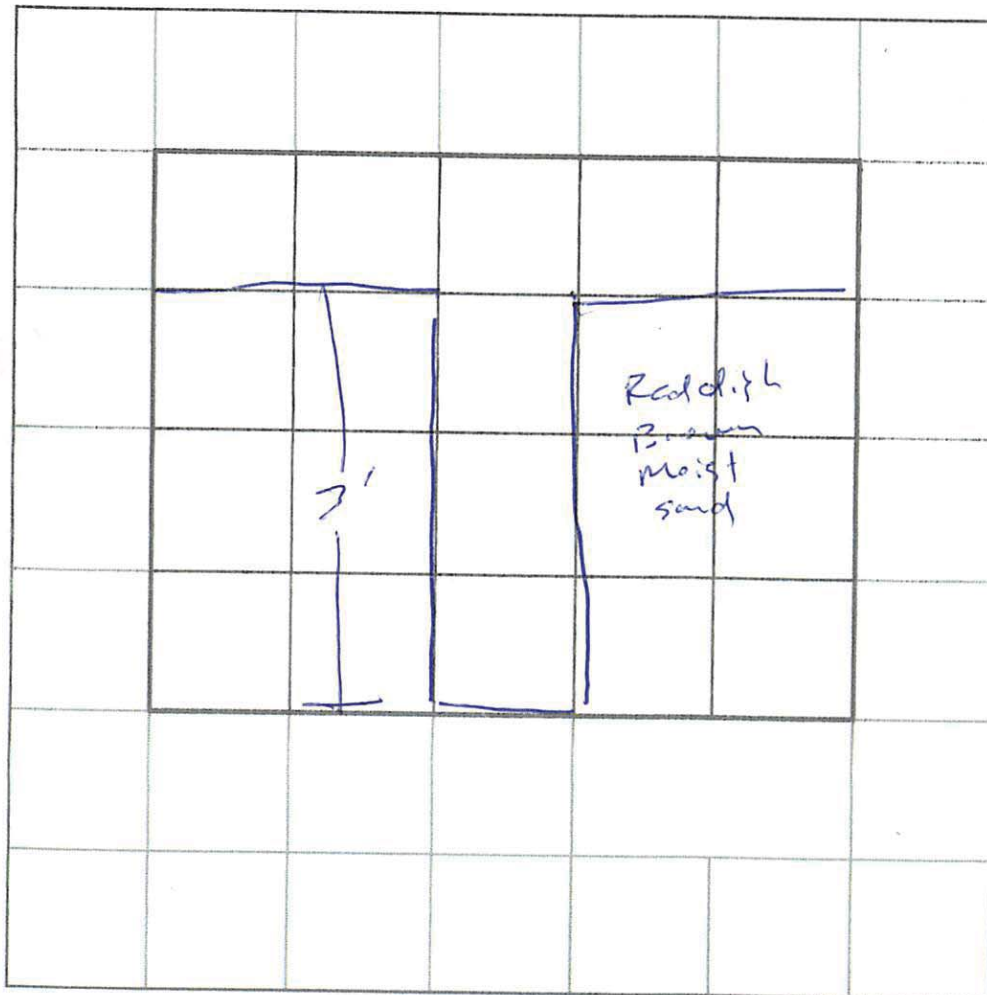
QUANTITY:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

36° 31.1106

107° 55.9842

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 12-11

SPECIALIST: J. Haver

SOIL
REMEDIATION

QUANTITY:

DIMENSIONS:

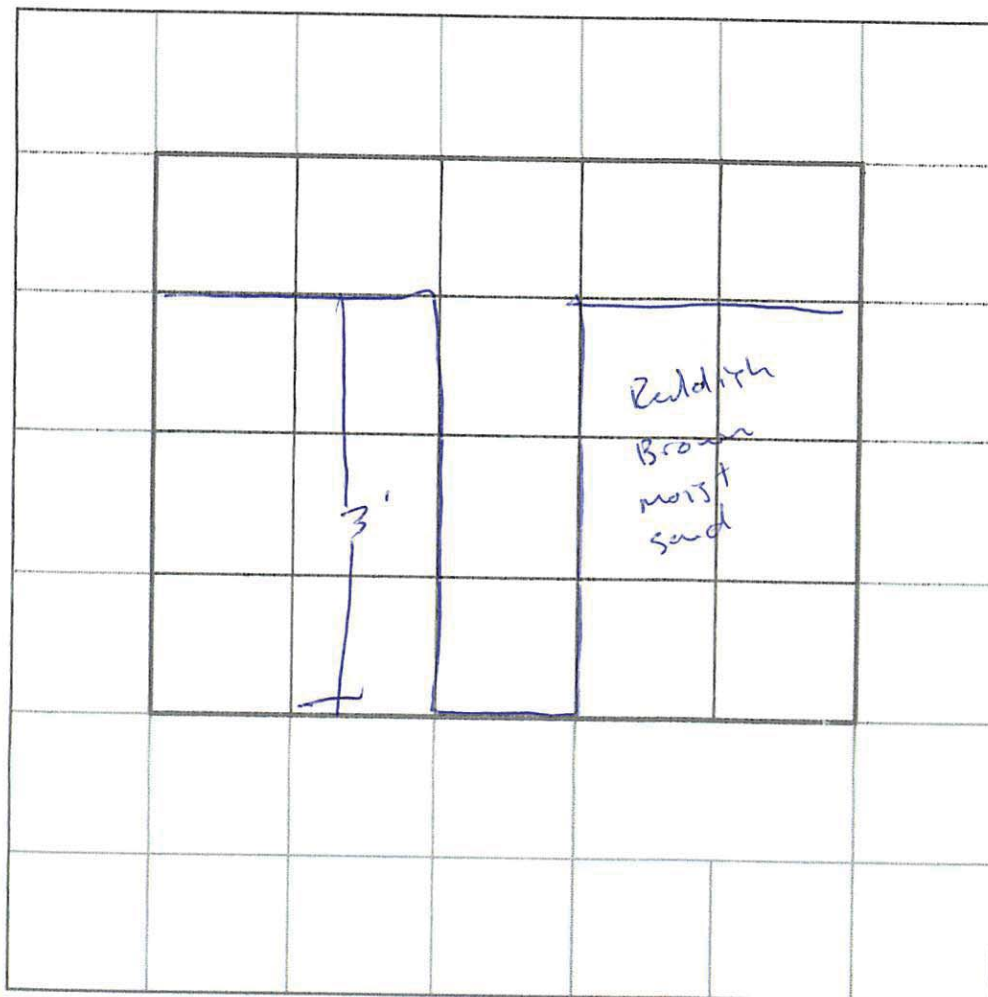
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 31.1022
107° 56.0117

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 12-12

SPECIALIST: J. GARCIA

SOIL
REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

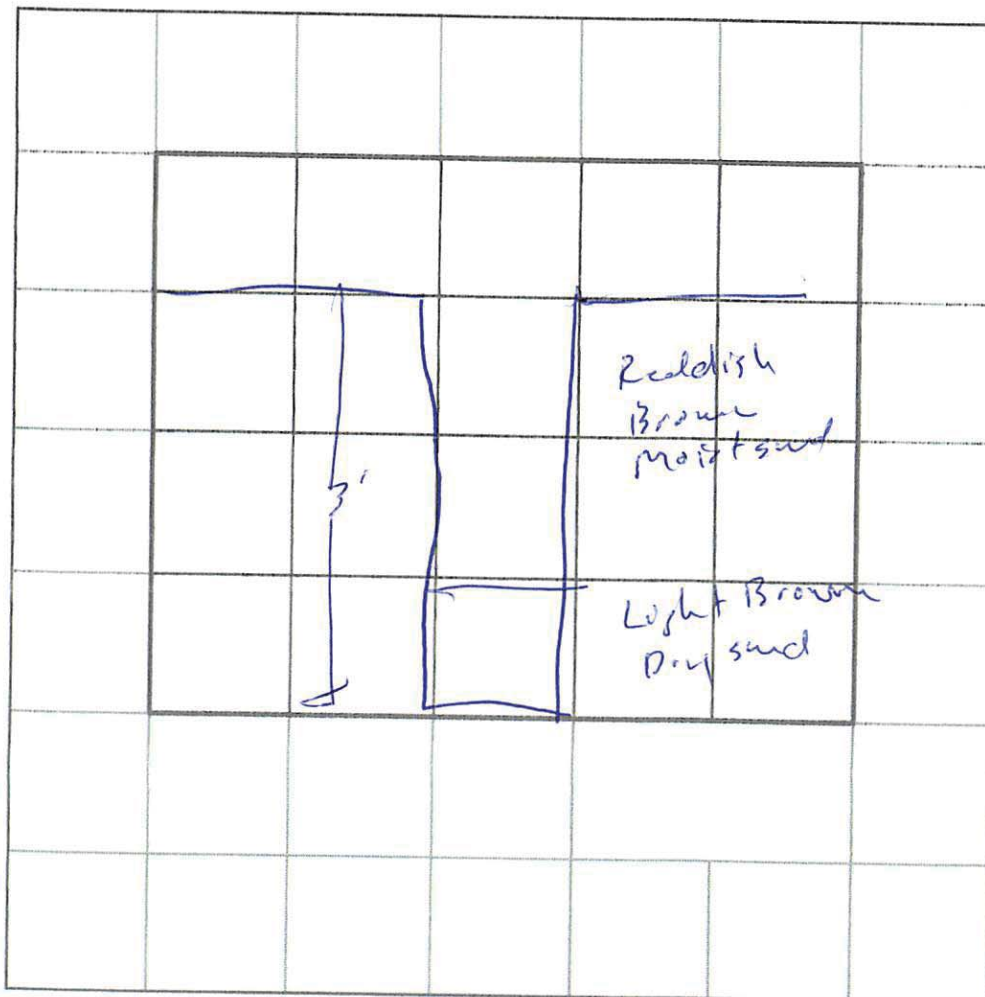
SAMPLING PLAN:

36° 31.0735

107° 56.0171

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LE-4

ENVIRONMENTAL

CELL/ SECTION: Area 12-13

SPECIALIST: J. Garcia

SOIL
REMEDATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

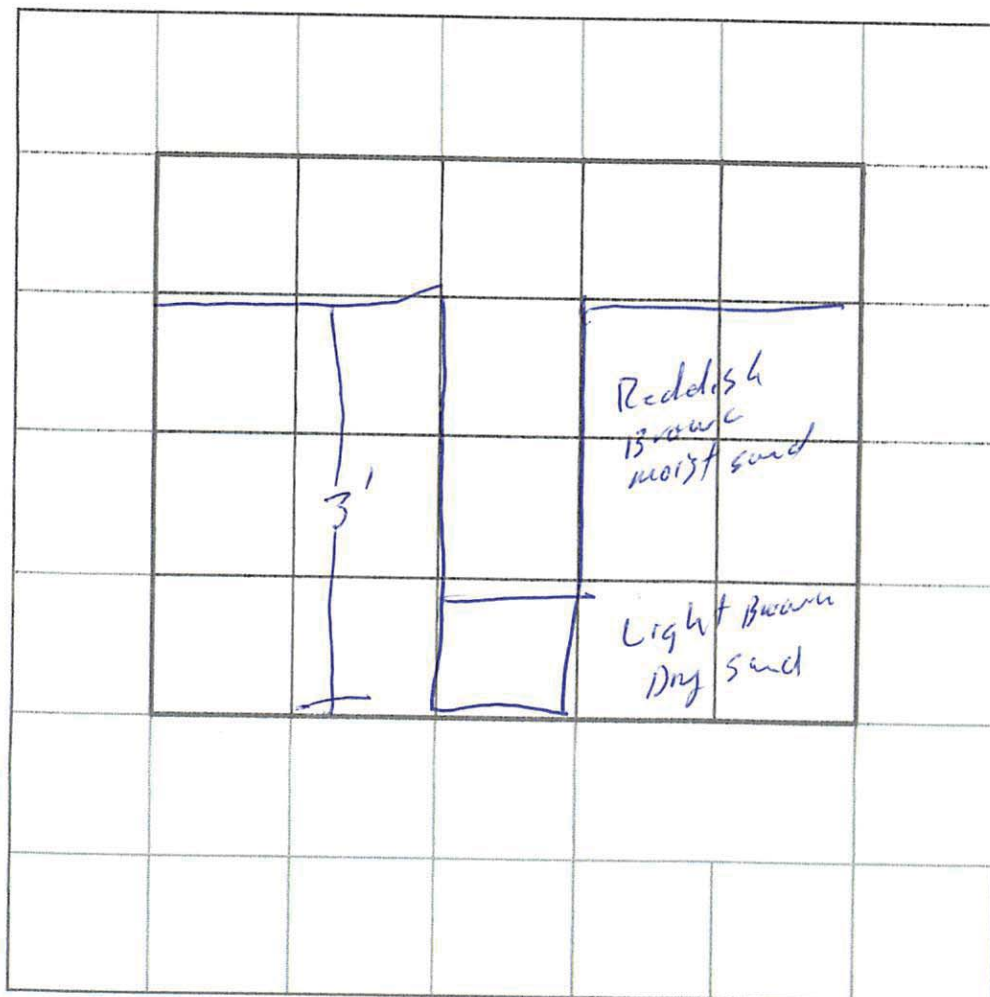
SAMPLING PLAN:

36° 31, 0671

107° 55, 9942

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 7/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 12-14

SPECIALIST: J. Garza

SOIL
REMEDATION

QUANTITY:

DIMENSIONS:

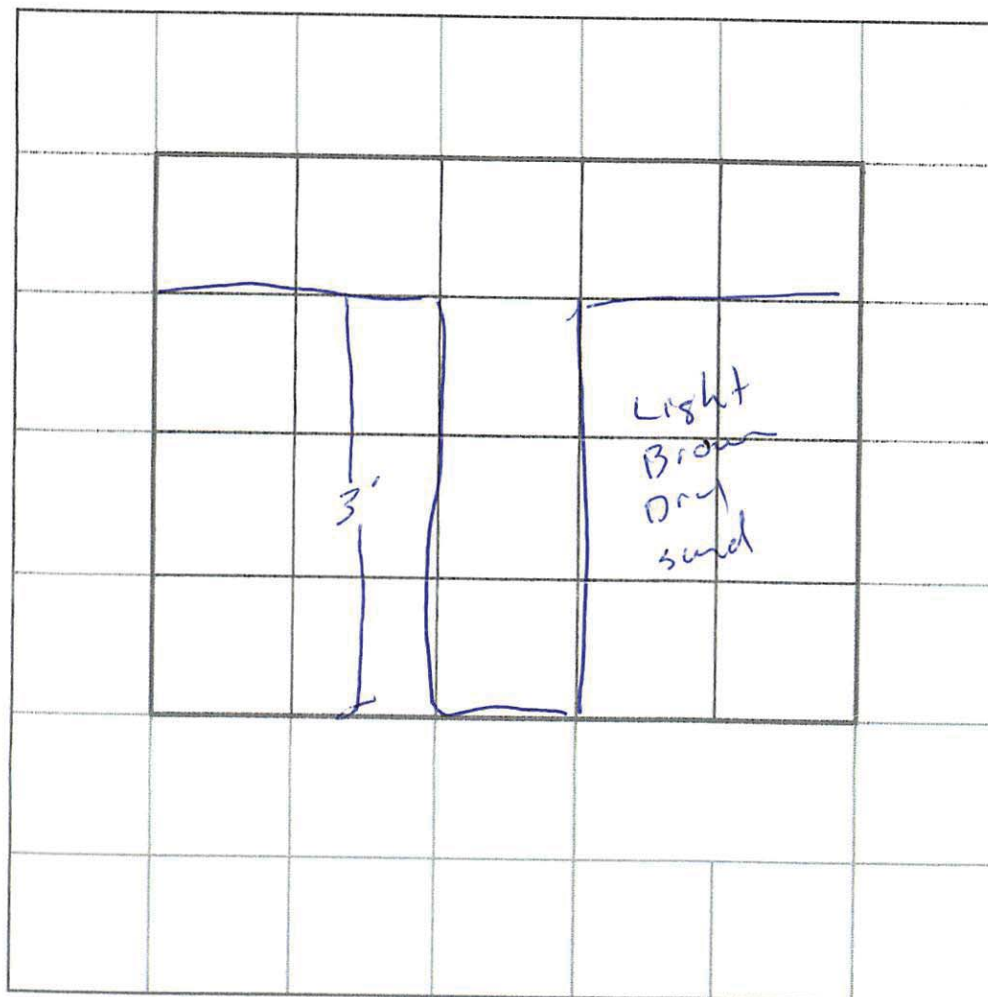
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 31.0446
107° 55.9920

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		



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Project No: 1st Quarter Treatment
Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: LF-4

ENVIRONMENTAL

CELL/ SECTION: Area 12-15

SPECIALIST: E. Garcia

SOIL
REMEDATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

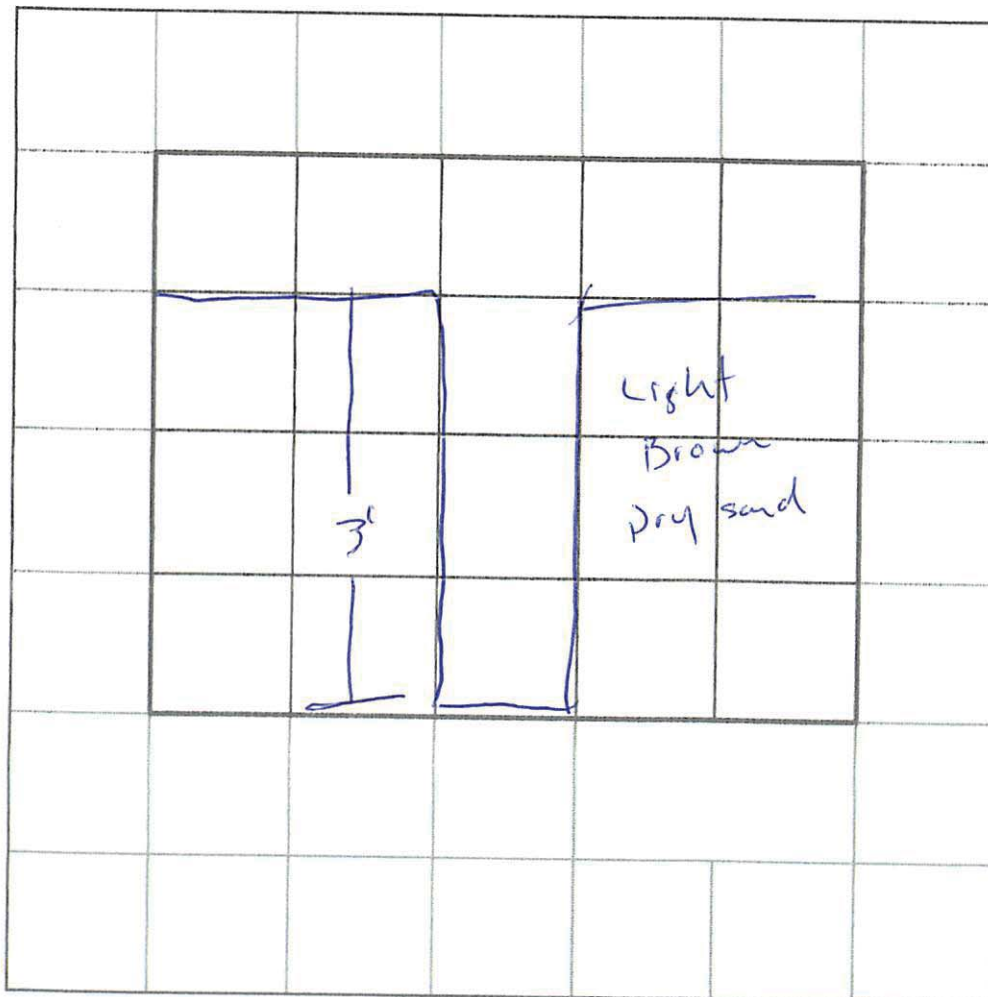
SAMPLING PLAN:

36° 31.0375

107° 56.0197

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
8015		
8021		
Chlorides		

FIELD REPORT: REMEDIATION FACILITY CLOSURE

PAGE NO: 1 OF 1

VERIFICATION

DATE STARTED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

DATE FINISHED: 3/25/16

LANDFARM FIELD: UF-4

ENVIRONMENTAL

CELL/ SECTION: Area 12-16

SPECIALIST: *E. Garcia*

SOIL REMEDATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 31, 0133

$$107^{\circ} 55.9962$$

SAMPLE DIAGRAM

GRID SCALE:

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

Reddish
Brown
moist sand

3'

APPENDIX B

Laboratory Analytical Reports



Analytical Report

Report Summary

Client: Envirotech

Chain Of Custody Number:

Samples Received: 3/21/2016 5:11:00PM

Job Number: Landfarm OH

Work Order: P603067

Project Name/Location: Landfarm 4 Background
Sampling

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman'.

Date: 4/14/16

Walter Hinchman, Laboratory Director

A handwritten signature in black ink, appearing to read 'Tim Cain'.

Date: 4/14/16

Tim Cain, Quality Assurance Officer

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

Reported:
 14-Apr-16 10:32

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Area #1	P603067-01A	Soil	03/21/16	03/21/16	Glass Jar, 4 oz.
	P603067-01B	Soil	03/21/16	03/21/16	Glass Jar, 4 oz.
	P603067-01C	Soil	03/21/16	03/21/16	Glass Jar, 4 oz.
	P603067-01D	Soil	03/21/16	03/21/16	Glass Jar, 2 oz.
	P603067-01E	Soil	03/21/16	03/21/16	Glass Jar, 2 oz.
	P603067-01F	Soil	03/21/16	03/21/16	Plastic Baggie
Area #2	P603067-02A	Soil	03/21/16	03/21/16	Glass Jar, 4 oz.
	P603067-02B	Soil	03/21/16	03/21/16	Glass Jar, 4 oz.
	P603067-02C	Soil	03/21/16	03/21/16	Glass Jar, 4 oz.
	P603067-02D	Soil	03/21/16	03/21/16	Glass Jar, 2 oz.
	P603067-02E	Soil	03/21/16	03/21/16	Glass Jar, 2 oz.
	P603067-02F	Soil	03/21/16	03/21/16	Plastic Baggie

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:32

Area #1
P603067-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u>Volatile Organics by EPA 8021</u>									
Benzene	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Toluene	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Ethylbenzene	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
p,m-Xylene	ND	0.200	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
o-Xylene	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Total Xylenes	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Total BTEX	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Methyl tert-Butyl Ether	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Naphthalene	ND	0.500	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
1-Methylnaphthalene	ND	0.500	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
2-Methylnaphthalene	ND	0.500	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %		50-150	1613026	03/24/16	03/24/16	EPA 8021B	
<u>Nonhalogenated Organics by 8015</u>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1613023	03/24/16	03/24/16	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.8 %		50-150	1613026	03/24/16	03/24/16	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1613023	03/24/16	03/24/16	EPA 8015D	
<i>Surrogate: n-Nonane</i>		104 %		50-200	1613023	03/24/16	03/24/16	EPA 8015D	
<u>Total Metals by 6010</u>									
Calcium	5090	50.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Copper	ND	2.00	mg/kg	1	1614009	03/29/16	03/30/16	EPA 6010C	
Iron	6640	50.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Magnesium	1280	20.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Manganese	132	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Potassium	1240	50.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Sodium	112	50.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Zinc	12.0	2.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Arsenic	1.47	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Barium	73.4	10.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Chromium	22.4	5.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	

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Ph (970) 259-0615 Fr (800) 362-1879

 envirotech-inc.com
 laboratory@envirotech-inc.com

Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:32

Area #1
P603067-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Metals by 6010									
Lead	2.36	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Cation/Anion Analysis									
pH @25°C	9.10		pH Units	1	1613030	03/24/16 15:05	03/24/16 15:37	9040C/4500 H	
Total Dissolved Solids	744	10.0	mg/L	1	1613029	03/25/16	03/25/16	160.1/2540C	
Total Alkalinity as CaCO3	258	10.0	mg/L	1	1613019	03/24/16	03/24/16	Hach Method 8203	
Bicarbonate as CaCO3	258	10.0	mg/L	1	1613019	03/24/16	03/24/16	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1	1613019	03/24/16	03/24/16	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1	1613019	03/24/16	03/24/16	Hach Method 8203	
Fluoride	3.22	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Chloride	34.8	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrite-N	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrate-N	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
o-Phosphate-P	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Sulfate	32.3	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Total Mercury by 7471B									
Mercury	ND	0.02	mg/kg	1	1613028	03/24/16	03/24/16	EPA 7471B	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:32

Area #2
P603067-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Toluene	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Ethylbenzene	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
p,m-Xylene	ND	0.200	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
o-Xylene	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Total Xylenes	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Total BTEX	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Methyl tert-Butyl Ether	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Naphthalene	ND	0.500	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
1-Methylnaphthalene	ND	0.500	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
2-Methylnaphthalene	ND	0.500	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		110 %		50-150	1613026	03/24/16	03/24/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1613023	03/24/16	03/24/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %		50-150	1613026	03/24/16	03/24/16	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1613023	03/24/16	03/24/16	EPA 8015D	
Surrogate: n-Nonane		107 %		50-200	1613023	03/24/16	03/24/16	EPA 8015D	
Total Metals by 6010									
Calcium	2180	50.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Copper	ND	2.00	mg/kg	1	1614009	03/29/16	03/30/16	EPA 6010C	
Iron	4100	50.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Magnesium	952	20.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Manganese	84.0	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Potassium	834	50.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Sodium	ND	50.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Zinc	9.58	2.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Arsenic	1.58	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Barium	70.4	10.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Chromium	ND	5.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

Reported:
 14-Apr-16 10:32

Area #2
P603067-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Metals by 6010										
Lead	2.17	1.00	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	
Selenium	ND	5.00	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	
Silver	ND	1.00	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	
Cation/Anion Analysis										
pH @25°C	8.88		pH Units	1		1613030	03/24/16 15:05	03/24/16 15:37	9040C/4500 H	
Total Dissolved Solids	392	10.0	mg/L	1		1613029	03/25/16	03/25/16	160.1/2540C	
Total Alkalinity as CaCO3	169	10.0	mg/L	1		1613019	03/24/16	03/24/16	Hach Method 8203	
Bicarbonate as CaCO3	169	10.0	mg/L	1		1613019	03/24/16	03/24/16	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1		1613019	03/24/16	03/24/16	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1		1613019	03/24/16	03/24/16	Hach Method 8203	
Fluoride	ND	2.50	mg/kg	1		1614001	03/28/16	03/28/16	EPA 300.0	
Chloride	27.6	20.0	mg/kg	1		1614001	03/28/16	03/28/16	EPA 300.0	
Nitrite-N	ND	2.50	mg/kg	1		1614001	03/28/16	03/28/16	EPA 300.0	
Nitrate-N	ND	2.50	mg/kg	1		1614001	03/28/16	03/28/16	EPA 300.0	
o-Phosphate-P	ND	2.50	mg/kg	1		1614001	03/28/16	03/28/16	EPA 300.0	
Sulfate	ND	20.0	mg/kg	1		1614001	03/28/16	03/28/16	EPA 300.0	
Total Mercury by 7471B										
Mercury	ND	0.02	mg/kg	1		1613028	03/24/16	03/24/16	EPA 7471B	

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 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:32

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1613026 - Purge and Trap EPA 5030A
Blank (1613026-BLK1)

Prepared & Analyzed: 24-Mar-16

Benzene	ND	0.100	mg/kg							
Toluene	ND	0.100	"							
Ethylbenzene	ND	0.100	"							
p,m-Xylene	ND	0.200	"							
o-Xylene	ND	0.100	"							
Total Xylenes	ND	0.100	"							
Total BTEX	ND	0.100	"							
Methyl tert-Butyl Ether	ND	0.100	"							
Naphthalene	ND	0.500	"							
1-Methylnaphthalene	ND	0.500	"							
2-Methylnaphthalene	ND	0.500	"							

Surrogate: 4-Bromochlorobenzene-PID	0.177		"	0.160		111	50-150
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LCS (1613026-BS1)

Prepared & Analyzed: 24-Mar-16

Benzene	12.5	0.100	mg/kg	10.0		125	70-130
Toluene	12.4	0.100	"	10.0		124	70-130
Ethylbenzene	12.5	0.100	"	10.0		125	70-130
p,m-Xylene	24.9	0.200	"	20.0		125	70-130
o-Xylene	12.2	0.100	"	10.0		122	70-130
Methyl tert-Butyl Ether	11.8	0.100	"	10.0		118	70-130
Naphthalene	11.6	0.500	"	10.0		116	70-130
1-Methylnaphthalene	11.5	0.500	"	10.0		115	70-130
2-Methylnaphthalene	11.5	0.500	"	10.0		115	70-130

Surrogate: 4-Bromochlorobenzene-PID	0.178		"	0.160		111	50-150
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Matrix Spike (1613026-MS1)

Source: P603076-01

Prepared & Analyzed: 24-Mar-16

Benzene	12.2	0.100	mg/kg	10.0	ND	122	54.3-133
Toluene	12.1	0.100	"	10.0	ND	121	61.4-130
Ethylbenzene	12.2	0.100	"	10.0	ND	122	61.4-133
p,m-Xylene	24.4	0.200	"	20.0	ND	122	63.3-131
o-Xylene	11.9	0.100	"	10.0	ND	119	63.3-131
Methyl tert-Butyl Ether	11.5	0.100	"	10.0	ND	115	57.7-134
Naphthalene	12.0	0.500	"	10.0	ND	120	70-130
1-Methylnaphthalene	12.0	0.500	"	10.0	ND	120	70-130
2-Methylnaphthalene	11.8	0.500	"	10.0	ND	118	70-130

Surrogate: 4-Bromochlorobenzene-PID	0.182		"	0.160		114	50-150
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 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:32

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1613026 - Purge and Trap EPA 5030A

Matrix Spike Dup (1613026-MSD1)	Source: P603076-01			Prepared & Analyzed: 24-Mar-16						
Benzene	13.0	0.100	mg/kg	10.0	ND	130	54.3-133	6.43	20	
Toluene	12.9	0.100	"	10.0	ND	129	61.4-130	6.29	20	
Ethylbenzene	13.0	0.100	"	10.0	ND	130	61.4-133	6.48	20	
p,m-Xylene	26.0	0.200	"	20.0	ND	130	63.3-131	6.54	20	
o-Xylene	12.7	0.100	"	10.0	ND	127	63.3-131	6.46	20	
Methyl tert-Butyl Ether	12.9	0.100	"	10.0	ND	129	57.7-134	11.7	20	
Naphthalene	12.7	0.500	"	10.0	ND	127	70-130	5.85	20	
1-Methylnaphthalene	12.7	0.500	"	10.0	ND	127	70-130	5.90	20	
2-Methylnaphthalene	12.5	0.500	"	10.0	ND	125	70-130	6.10	20	
Surrogate: 4-Bromochlorobenzene-PID	0.181		"	0.160		113	50-150			

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 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

Reported:
 14-Apr-16 10:32

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1613023 - DRO Extraction EPA 3550M										
Blank (1613023-BLK1)				Prepared & Analyzed: 24-Mar-16						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: <i>n</i> -Nonane	59.1		"	50.0		118	50-200			
LCS (1613023-BS1)				Prepared & Analyzed: 24-Mar-16						
Diesel Range Organics (C10-C28)	570	25.0	mg/kg	500		114	38-132			
Surrogate: <i>n</i> -Nonane	62.7		"	50.0		125	50-200			
Matrix Spike (1613023-MS1)				Source: P603067-01		Prepared & Analyzed: 24-Mar-16				
Diesel Range Organics (C10-C28)	476	25.0	mg/kg	500	ND	95.3	38-132			
Surrogate: <i>n</i> -Nonane	52.5		"	50.0		105	50-200			
Matrix Spike Dup (1613023-MSD1)				Source: P603067-01		Prepared & Analyzed: 24-Mar-16				
Diesel Range Organics (C10-C28)	471	25.0	mg/kg	500	ND	94.2	38-132	1.15	20	
Surrogate: <i>n</i> -Nonane	52.0		"	50.0		104	50-200			

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 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:32

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1613026 - Purge and Trap EPA 5030A										
Blank (1613026-BLK1)				Prepared & Analyzed: 24-Mar-16						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.140		"	0.160		87.3	50-150			
LCS (1613026-BS1)				Prepared & Analyzed: 24-Mar-16						
Gasoline Range Organics (C6-C10)	129	20.0	mg/kg	113		114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.140		"	0.160		87.4	50-150			
Matrix Spike (1613026-MS1)				Source: P603076-01		Prepared & Analyzed: 24-Mar-16				
Gasoline Range Organics (C6-C10)	129	20.0	mg/kg	113	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.142		"	0.160		88.8	50-150			
Matrix Spike Dup (1613026-MSD1)				Source: P603076-01		Prepared & Analyzed: 24-Mar-16				
Gasoline Range Organics (C6-C10)	130	20.0	mg/kg	113	ND	115	70-130	1.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.134		"	0.160		83.9	50-150			

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 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:32

Total Metals by 6010 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1614002 - Metal Solid Digestion EPA 3051A
Blank (1614002-BLK1)

Prepared & Analyzed: 28-Mar-16

Arsenic	ND	1.00	mg/kg
Barium	ND	10.0	"
Cadmium	ND	1.00	"
Calcium	ND	50.0	"
Chromium	ND	5.00	"
Iron	ND	50.0	"
Lead	ND	1.00	"
Magnesium	ND	20.0	"
Manganese	ND	1.00	"
Potassium	ND	50.0	"
Selenium	ND	5.00	"
Silver	ND	1.00	"
Sodium	ND	50.0	"
Zinc	ND	2.00	"

LCS (1614002-BS1)

Prepared & Analyzed: 28-Mar-16

Arsenic	79.1	1.00	mg/kg	90.0	87.9	80-120
Barium	92.3	10.0	"	90.0	103	80-120
Cadmium	84.2	1.00	"	90.0	93.5	80-120
Calcium	8820	50.0	"	9000	98.0	80-120
Chromium	85.4	5.00	"	90.0	94.9	80-120
Iron	8510	50.0	"	9000	94.5	80-120
Lead	80.2	1.00	"	90.0	89.1	80-120
Magnesium	8250	20.0	"	9000	91.7	80-120
Manganese	86.9	1.00	"	90.0	96.6	80-120
Potassium	96.5	50.0	"	90.0	107	80-120
Selenium	74.7	5.00	"	90.0	83.0	80-120
Silver	79.6	1.00	"	90.0	88.5	80-120
Sodium	8160	50.0	"	9000	90.7	80-120
Zinc	86.0	2.00	"	90.0	95.5	80-120

Matrix Spike (1614002-MS1)

Source: P603067-01

Prepared & Analyzed: 28-Mar-16

Arsenic	80.3	1.00	mg/kg	90.0	1.47	87.6	75-125
Barium	144	10.0	"	90.0	73.4	78.4	75-125
Cadmium	83.7	1.00	"	90.0	ND	93.0	75-125
Calcium	12600	50.0	"	9000	5090	83.1	75-125
Chromium	88.1	5.00	"	90.0	22.4	73.0	75-125
Iron	12400	50.0	"	9000	6640	64.2	75-125

 SPK1
 SPK1

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 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:32

Total Metals by 6010 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1614002 - Metal Solid Digestion EPA 3051A

Matrix Spike (1614002-MS1)		Source: P603067-01			Prepared & Analyzed: 28-Mar-16					
Lead	80.8	1.00	mg/kg	90.0	2.36	87.2	75-125			
Magnesium	9190	20.0	"	9000	1280	87.9	75-125			
Manganese	159	1.00	"	90.0	132	29.2	75-125			SPK1
Potassium	1110	50.0	"	90.0	1240	NR	75-125			SPK1
Selenium	73.6	5.00	"	90.0	ND	81.8	75-125			
Silver	23.5	1.00	"	90.0	ND	26.1	75-125			SPK1
Sodium	8130	50.0	"	9000	112	89.1	75-125			
Zinc	93.2	2.00	"	90.0	12.0	90.2	75-125			

Matrix Spike Dup (1614002-MSD1)		Source: P603067-01			Prepared & Analyzed: 28-Mar-16					
Arsenic	76.6	1.00	mg/kg	90.0	1.47	83.5	75-125	4.78	20	
Barium	153	10.0	"	90.0	73.4	88.0	75-125	5.80	20	
Cadmium	78.7	1.00	"	90.0	ND	87.4	75-125	6.18	20	
Calcium	14300	50.0	"	9000	5090	102	75-125	12.7	20	
Chromium	86.0	5.00	"	90.0	22.4	70.7	75-125	2.39	20	SPK1
Iron	12900	50.0	"	9000	6640	69.3	75-125	3.64	20	SPK1
Lead	76.6	1.00	"	90.0	2.36	82.5	75-125	5.41	20	
Magnesium	8900	20.0	"	9000	1280	84.7	75-125	3.17	20	
Manganese	178	1.00	"	90.0	132	51.1	75-125	11.7	20	SPK1
Potassium	1220	50.0	"	90.0	1240	NR	75-125	10.0	20	SPK1
Selenium	69.6	5.00	"	90.0	ND	77.3	75-125	5.68	20	
Silver	75.5	1.00	"	90.0	ND	83.9	75-125	105	20	D1
Sodium	7890	50.0	"	9000	112	86.5	75-125	2.98	20	
Zinc	89.5	2.00	"	90.0	12.0	86.0	75-125	4.12	20	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

Reported:
 14-Apr-16 10:32

Total Metals by 6010 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1614009 - Metal Solid Digestion EPA 3051A										
Blank (1614009-BLK1)				Prepared: 29-Mar-16 Analyzed: 30-Mar-16						
Copper	ND	2.00	mg/kg							
LCS (1614009-BS1)				Prepared: 29-Mar-16 Analyzed: 30-Mar-16						
Copper	79.5	2.00	mg/kg	90.0		88.3	80-120			
Matrix Spike (1614009-MS1)				Source: P603067-01RE1 Prepared: 29-Mar-16 Analyzed: 30-Mar-16						
Copper	79.1	2.00	mg/kg	90.0	ND	87.9	75-125			
Matrix Spike Dup (1614009-MSD1)				Source: P603067-01RE1 Prepared: 29-Mar-16 Analyzed: 30-Mar-16						
Copper	81.5	2.00	mg/kg	90.0	ND	90.5	75-125	2.95	20	

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Envirotech
5796 US HWY 64
Farmington NM, 87401

Project Name: Landfarm 4 Background Sampling
Project Number: Landfarm OH
Project Manager: Greg Crabtree

Reported:
14-Apr-16 10:32

Cation/Anion Analysis - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1614001 - Anion Extraction EPA 300.0

Blank (1614001-BLK1)

Prepared & Analyzed: 28-Mar-16

Fluoride	ND	2.50	mg/kg
Chloride	ND	20.0	"
Nitrite-N	ND	2.50	"
Nitrate-N	ND	2.50	"
o-Phosphate-P	ND	2.50	"
Sulfate	ND	20.0	"

LCS (1614001-BS1)

Prepared & Analyzed: 28-Mar-16

Fluoride	51.8	2.50	mg/kg	50.0	104	90-110
Chloride	529	20.0	"	500	106	90-110
Nitrite-N	52.8	2.50	"	50.0	106	90-110
Nitrate-N	48.4	2.50	"	50.0	96.7	90-110
o-Phosphate-P	79.8	2.50	"	81.5	97.8	90-110
Sulfate	511	20.0	"	500	102	90-110

Matrix Spike (1614001-MS1)

Source: P603067-01

Prepared & Analyzed: 28-Mar-16

Fluoride	54.1	2.50	mg/kg	50.0	3.22	102	80-120	
Chloride	565	20.0	"	500	34.8	106	80-120	
Nitrite-N	55.5	2.50	"	50.0	ND	111	80-120	
Nitrate-N	50.9	2.50	"	50.0	ND	102	80-120	
o-Phosphate-P	43.6	2.50	"	81.5	ND	53.4	80-120	SPK1
Sulfate	561	20.0	"	500	32.3	106	80-120	

Matrix Spike Dup (1614001-MSD1)

Source: P603067-01

Prepared & Analyzed: 28-Mar-16

Fluoride	54.7	2.50	mg/kg	50.0	3.22	103	80-120	1.14	20	
Chloride	571	20.0	"	500	34.8	107	80-120	1.10	20	
Nitrite-N	55.7	2.50	"	50.0	ND	111	80-120	0.288	20	
Nitrate-N	51.4	2.50	"	50.0	ND	103	80-120	0.996	20	
o-Phosphate-P	45.1	2.50	"	81.5	ND	55.3	80-120	3.39	20	SPK1
Sulfate	566	20.0	"	500	32.3	107	80-120	0.937	20	

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5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com

Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

Reported:
 14-Apr-16 10:32

Total Mercury by 7471B - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1613028 - Mercury Solid Digestion KMNO4
Blank (1613028-BLK1)

Prepared & Analyzed: 24-Mar-16

Mercury ND 0.02 mg/kg

LCS (1613028-BS1)

Prepared & Analyzed: 24-Mar-16

Mercury 0.15 0.02 mg/kg 0.133 109 80-120

Matrix Spike (1613028-MS1)

Source: P603067-01

Prepared & Analyzed: 24-Mar-16

Mercury 0.15 0.02 mg/kg 0.133 ND 114 75-125

Matrix Spike Dup (1613028-MSD1)

Source: P603067-01

Prepared & Analyzed: 24-Mar-16

Mercury 0.15 0.02 mg/kg 0.133 ND 112 75-125 1.27 15

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

Reported:
 14-Apr-16 10:32

Notes and Definitions

SPK1 The spike recovery is outside of quality control limits.

D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference is outside of control limits.

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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Project: Land Farm 4 Background Sampling

Sampler: T. Garcia

phone: _____

Email(s): Isaac

Project Manager: Greg Crabtree

Page

[illegible]

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<i>[Signature]</i>	3/21/16	17:11	<i>[Signature]</i>	3/21/16	17:11	**Received on Ice Y1 N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____ AVG Temp °C 4.0

Sample Matrix: **S** - Soil, **sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

***Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

	Notes/Billing info:
Sample(s) dropped off after hours at a secure drop off area	" " "
Chain of Custody	" " "

Notes/Billing info:
see ~~para~~ attached sheet for analysis - AY

**envirotech**
Analytical Laboratory

5796 US Highway 64, Farmington, NM 87401

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April 08, 2016

EnviroTech- NM

Sample Delivery Group: L825236
Samples Received: 03/24/2016
Project Number: LANDFARM
Description: Landfarm 4 Background
Site: P603067
Report To: Tim Cain and Lynn Cook
5796 US. Highway 64
Farmington, NM 87401

Entire Report Reviewed By:



Daphne Richards
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



AREA #1 L825236-01 Solid

Collected by
I. GarciaCollected date/time
03/21/16 14:08Received date/time
03/24/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICPMS) by Method 6020	WG859175	5	03/24/16 17:28	03/25/16 17:38	ST
Polychlorinated Biphenyls (GC) by Method 8082	WG859985	1	03/29/16 17:34	03/30/16 15:41	ADF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG859918	1	03/31/16 09:33	03/31/16 15:04	JF
Total Solids by Method 2540 G-2011	WG859524	1	03/28/16 14:47	03/28/16 15:07	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG859766	5	03/28/16 14:12	03/29/16 02:17	JAH
Wet Chemistry by Method 9012B	WG859353	1	03/28/16 14:10	03/28/16 17:05	ASK

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

AREA #2 L825236-02 Solid

Collected by
I. GarciaCollected date/time
03/21/16 15:33Received date/time
03/24/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICPMS) by Method 6020	WG859175	5	03/24/16 17:28	03/25/16 17:40	ST
Polychlorinated Biphenyls (GC) by Method 8082	WG859985	1	03/29/16 17:34	03/30/16 15:53	ADF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG859918	1	03/31/16 09:33	03/31/16 15:29	JF
Total Solids by Method 2540 G-2011	WG859524	1	03/28/16 14:47	03/28/16 15:07	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG859766	5	03/28/16 14:12	03/29/16 02:36	JAH
Wet Chemistry by Method 9012B	WG859353	1	03/28/16 14:10	03/28/16 17:07	ASK



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Daphne Richards
Technical Service Representative

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ GI

⁸ AI

⁹ Sc

AREA #1

Collected date/time: 03/21/16 14:08

SAMPLE RESULTS - 01

L825236

ONE LAB. NATIONWIDE.



Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.7		1	03/28/2016 15:07	WG859524

Wet Chemistry by Method 9012B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyanide	ND		0.256	1	03/28/2016 17:05	WG859353

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Uranium	ND		2.56	5	03/25/2016 17:38	WG859175

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.102	5	03/29/2016 02:17	WG859766
Acrylonitrile	ND		0.102	5	03/29/2016 02:17	WG859766
Bromobenzene	ND		0.102	5	03/29/2016 02:17	WG859766
Bromodichloromethane	ND		0.102	5	03/29/2016 02:17	WG859766
Bromoform	ND		0.102	5	03/29/2016 02:17	WG859766
Bromomethane	ND		0.102	5	03/29/2016 02:17	WG859766
n-Butylbenzene	ND		0.102	5	03/29/2016 02:17	WG859766
sec-Butylbenzene	ND		0.102	5	03/29/2016 02:17	WG859766
tert-Butylbenzene	ND		0.102	5	03/29/2016 02:17	WG859766
Carbon tetrachloride	ND		0.102	5	03/29/2016 02:17	WG859766
Chlorobenzene	ND		0.102	5	03/29/2016 02:17	WG859766
Chlorodibromomethane	ND		0.102	5	03/29/2016 02:17	WG859766
Chloroethane	ND		0.102	5	03/29/2016 02:17	WG859766
2-Chloroethyl vinyl ether	ND		0.102	5	03/29/2016 02:17	WG859766
Chloroform	ND		0.102	5	03/29/2016 02:17	WG859766
Chloromethane	ND		0.102	5	03/29/2016 02:17	WG859766
2-Chlorotoluene	ND		0.102	5	03/29/2016 02:17	WG859766
4-Chlorotoluene	ND		0.102	5	03/29/2016 02:17	WG859766
1,2-Dibromo-3-Chloropropane	ND		0.102	5	03/29/2016 02:17	WG859766
1,2-Dibromoethane	ND		0.102	5	03/29/2016 02:17	WG859766
Dibromomethane	ND		0.102	5	03/29/2016 02:17	WG859766
1,2-Dichlorobenzene	ND		0.102	5	03/29/2016 02:17	WG859766
1,3-Dichlorobenzene	ND		0.102	5	03/29/2016 02:17	WG859766
1,4-Dichlorobenzene	ND		0.102	5	03/29/2016 02:17	WG859766
Dichlorodifluoromethane	ND	<u>J4</u>	0.102	5	03/29/2016 02:17	WG859766
1,1-Dichloroethane	ND		0.102	5	03/29/2016 02:17	WG859766
1,2-Dichloroethane	ND		0.102	5	03/29/2016 02:17	WG859766
1,1-Dichloroethene	ND		0.102	5	03/29/2016 02:17	WG859766
cis-1,2-Dichloroethene	ND		0.102	5	03/29/2016 02:17	WG859766
trans-1,2-Dichloroethene	ND		0.102	5	03/29/2016 02:17	WG859766
1,2-Dichloropropane	ND		0.102	5	03/29/2016 02:17	WG859766
1,1-Dichloropropene	ND		0.102	5	03/29/2016 02:17	WG859766
1,3-Dichloropropane	ND		0.102	5	03/29/2016 02:17	WG859766
cis-1,3-Dichloropropene	ND		0.102	5	03/29/2016 02:17	WG859766
trans-1,3-Dichloropropene	ND		0.102	5	03/29/2016 02:17	WG859766
2,2-Dichloropropane	ND		0.102	5	03/29/2016 02:17	WG859766
Di-isopropyl ether	ND		0.102	5	03/29/2016 02:17	WG859766
Hexachloro-1,3-butadiene	ND		0.102	5	03/29/2016 02:17	WG859766
Isopropylbenzene	ND		0.102	5	03/29/2016 02:17	WG859766

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AREA #1

SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

Collected date/time: 03/21/16 14:08

L825236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
p-Isopropyltoluene	ND		0.102	5	03/29/2016 02:17	WG859766	1 Cp
2-Butanone (MEK)	ND		0.102	5	03/29/2016 02:17	WG859766	2 Tc
Methylene Chloride	ND		0.102	5	03/29/2016 02:17	WG859766	3 Ss
4-Methyl-2-pentanone (MIBK)	ND		0.102	5	03/29/2016 02:17	WG859766	4 Cn
n-Propylbenzene	ND		0.102	5	03/29/2016 02:17	WG859766	5 Sr
Styrene	ND		0.102	5	03/29/2016 02:17	WG859766	6 Qc
1,1,1,2-Tetrachloroethane	ND		0.102	5	03/29/2016 02:17	WG859766	7 Gl
1,1,2,2-Tetrachloroethane	ND		0.102	5	03/29/2016 02:17	WG859766	8 Al
1,1,2-Trichlorotrifluoroethane	ND		0.102	5	03/29/2016 02:17	WG859766	9 Sc
Tetrachloroethene	ND		0.102	5	03/29/2016 02:17	WG859766	
1,2,3-Trichlorobenzene	ND		0.102	5	03/29/2016 02:17	WG859766	
1,2,4-Trichlorobenzene	ND		0.102	5	03/29/2016 02:17	WG859766	
1,1,1-Trichloroethane	ND		0.102	5	03/29/2016 02:17	WG859766	
1,1,2-Trichloroethane	ND		0.102	5	03/29/2016 02:17	WG859766	
Trichloroethene	ND		0.102	5	03/29/2016 02:17	WG859766	
Trichlorofluoromethane	ND		0.102	5	03/29/2016 02:17	WG859766	
1,2,3-Trichloropropane	ND		0.102	5	03/29/2016 02:17	WG859766	
1,2,4-Trimethylbenzene	ND		0.102	5	03/29/2016 02:17	WG859766	
1,2,3-Trimethylbenzene	ND		0.102	5	03/29/2016 02:17	WG859766	
Vinyl chloride	ND		0.102	5	03/29/2016 02:17	WG859766	
1,3,5-Trimethylbenzene	ND		0.102	5	03/29/2016 02:17	WG859766	
(S) Toluene-d8	96.0		88.7-115		03/29/2016 02:17	WG859766	
(S) Dibromofluoromethane	100		76.3-123		03/29/2016 02:17	WG859766	
(S) 4-Bromofluorobenzene	99.2		69.7-129		03/29/2016 02:17	WG859766	

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
PCB 1016	ND		0.0174	1	03/30/2016 15:41	WG859985	
PCB 1221	ND		0.0174	1	03/30/2016 15:41	WG859985	
PCB 1232	ND		0.0174	1	03/30/2016 15:41	WG859985	
PCB 1242	ND		0.0174	1	03/30/2016 15:41	WG859985	
PCB 1248	ND		0.0174	1	03/30/2016 15:41	WG859985	
PCB 1254	ND		0.0174	1	03/30/2016 15:41	WG859985	
PCB 1260	ND		0.0174	1	03/30/2016 15:41	WG859985	
(S) Decachlorobiphenyl	82.6		10.0-143		03/30/2016 15:41	WG859985	
(S) Tetrachloro-m-xylene	83.1		29.2-144		03/30/2016 15:41	WG859985	

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Acenaphthene	ND		0.0338	1	03/31/2016 15:04	WG859918	
Acenaphthylene	ND		0.0338	1	03/31/2016 15:04	WG859918	
Anthracene	ND		0.0338	1	03/31/2016 15:04	WG859918	
Benzidine	ND		0.341	1	03/31/2016 15:04	WG859918	
Benzo(a)anthracene	ND		0.0338	1	03/31/2016 15:04	WG859918	
Benzo(b)fluoranthene	ND		0.0338	1	03/31/2016 15:04	WG859918	
Benzo(k)fluoranthene	ND		0.0338	1	03/31/2016 15:04	WG859918	
Benzo(g,h,i)perylene	ND		0.0338	1	03/31/2016 15:04	WG859918	
Benzo(a)pyrene	ND		0.0338	1	03/31/2016 15:04	WG859918	
Bis(2-chloroethoxy)methane	ND		0.341	1	03/31/2016 15:04	WG859918	
Bis(2-chloroethyl)ether	ND		0.341	1	03/31/2016 15:04	WG859918	
Bis(2-chloroisopropyl)ether	ND		0.341	1	03/31/2016 15:04	WG859918	
4-Bromophenyl-phenylether	ND		0.341	1	03/31/2016 15:04	WG859918	
2-Chloronaphthalene	ND		0.0338	1	03/31/2016 15:04	WG859918	

AREA #1

SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

Collected date/time: 03/21/16 14:08

L825236

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorophenyl-phenylether	ND		0.341	1	03/31/2016 15:04	WG859918
Chrysene	ND		0.0338	1	03/31/2016 15:04	WG859918
Dibenz(a,h)anthracene	ND		0.0338	1	03/31/2016 15:04	WG859918
3,3-Dichlorobenzidine	ND		0.341	1	03/31/2016 15:04	WG859918
2,4-Dinitrotoluene	ND		0.341	1	03/31/2016 15:04	WG859918
2,6-Dinitrotoluene	ND		0.341	1	03/31/2016 15:04	WG859918
Fluoranthene	ND		0.0338	1	03/31/2016 15:04	WG859918
Fluorene	ND		0.0338	1	03/31/2016 15:04	WG859918
Hexachlorobenzene	ND		0.341	1	03/31/2016 15:04	WG859918
Hexachloro-1,3-butadiene	ND		0.341	1	03/31/2016 15:04	WG859918
Hexachlorocyclopentadiene	ND		0.341	1	03/31/2016 15:04	WG859918
Hexachloroethane	ND		0.341	1	03/31/2016 15:04	WG859918
Indeno(1,2,3-cd)pyrene	ND		0.0338	1	03/31/2016 15:04	WG859918
Isophorone	ND		0.341	1	03/31/2016 15:04	WG859918
Nitrobenzene	ND		0.341	1	03/31/2016 15:04	WG859918
n-Nitrosodimethylamine	ND		0.341	1	03/31/2016 15:04	WG859918
n-Nitrosodiphenylamine	ND		0.341	1	03/31/2016 15:04	WG859918
n-Nitrosodi-n-propylamine	ND		0.341	1	03/31/2016 15:04	WG859918
Phenanthrene	ND		0.0338	1	03/31/2016 15:04	WG859918
Benzylbutyl phthalate	ND		0.341	1	03/31/2016 15:04	WG859918
Bis(2-ethylhexyl)phthalate	ND		0.341	1	03/31/2016 15:04	WG859918
Di-n-butyl phthalate	ND		0.341	1	03/31/2016 15:04	WG859918
Diethyl phthalate	ND		0.341	1	03/31/2016 15:04	WG859918
Dimethyl phthalate	ND		0.341	1	03/31/2016 15:04	WG859918
Di-n-octyl phthalate	ND		0.341	1	03/31/2016 15:04	WG859918
Pyrene	ND		0.0338	1	03/31/2016 15:04	WG859918
1,2,4-Trichlorobenzene	ND		0.341	1	03/31/2016 15:04	WG859918
4-Chloro-3-methylphenol	ND		0.341	1	03/31/2016 15:04	WG859918
2-Chlorophenol	ND		0.341	1	03/31/2016 15:04	WG859918
2,4-Dichlorophenol	ND		0.341	1	03/31/2016 15:04	WG859918
2,4-Dimethylphenol	ND		0.341	1	03/31/2016 15:04	WG859918
4,6-Dinitro-2-methylphenol	ND		0.341	1	03/31/2016 15:04	WG859918
2,4-Dinitrophenol	ND	J3	0.341	1	03/31/2016 15:04	WG859918
2-Nitrophenol	ND		0.341	1	03/31/2016 15:04	WG859918
4-Nitrophenol	ND		0.341	1	03/31/2016 15:04	WG859918
Pentachlorophenol	ND		0.341	1	03/31/2016 15:04	WG859918
Phenol	ND		0.341	1	03/31/2016 15:04	WG859918
2,4,6-Trichlorophenol	ND		0.341	1	03/31/2016 15:04	WG859918
(S) 2-Fluorophenol	66.9		21.1-116		03/31/2016 15:04	WG859918
(S) Phenol-d5	63.2		26.3-121		03/31/2016 15:04	WG859918
(S) Nitrobenzene-d5	63.7		21.9-129		03/31/2016 15:04	WG859918
(S) 2-Fluorobiphenyl	74.3		34.9-129		03/31/2016 15:04	WG859918
(S) 2,4,6-Tribromophenol	85.2		21.6-142		03/31/2016 15:04	WG859918
(S) p-Terphenyl-d14	81.9		21.5-128		03/31/2016 15:04	WG859918



Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.1		1	03/28/2016 15:07	WG859524

Wet Chemistry by Method 9012B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyanide	ND		0.255	1	03/28/2016 17:07	WG859353

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Uranium	ND		2.55	5	03/25/2016 17:40	WG859175

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.102	5	03/29/2016 02:36	WG859766
Acrylonitrile	ND		0.102	5	03/29/2016 02:36	WG859766
Bromobenzene	ND		0.102	5	03/29/2016 02:36	WG859766
Bromodichloromethane	ND		0.102	5	03/29/2016 02:36	WG859766
Bromoform	ND		0.102	5	03/29/2016 02:36	WG859766
Bromomethane	ND		0.102	5	03/29/2016 02:36	WG859766
n-Butylbenzene	ND		0.102	5	03/29/2016 02:36	WG859766
sec-Butylbenzene	ND		0.102	5	03/29/2016 02:36	WG859766
tert-Butylbenzene	ND		0.102	5	03/29/2016 02:36	WG859766
Carbon tetrachloride	ND		0.102	5	03/29/2016 02:36	WG859766
Chlorobenzene	ND		0.102	5	03/29/2016 02:36	WG859766
Chlorodibromomethane	ND		0.102	5	03/29/2016 02:36	WG859766
Chloroethane	ND		0.102	5	03/29/2016 02:36	WG859766
2-Chloroethyl vinyl ether	ND		0.102	5	03/29/2016 02:36	WG859766
Chloroform	ND		0.102	5	03/29/2016 02:36	WG859766
Chloromethane	ND		0.102	5	03/29/2016 02:36	WG859766
2-Chlorotoluene	ND		0.102	5	03/29/2016 02:36	WG859766
4-Chlorotoluene	ND		0.102	5	03/29/2016 02:36	WG859766
1,2-Dibromo-3-Chloropropane	ND		0.102	5	03/29/2016 02:36	WG859766
1,2-Dibromoethane	ND		0.102	5	03/29/2016 02:36	WG859766
Dibromomethane	ND		0.102	5	03/29/2016 02:36	WG859766
1,2-Dichlorobenzene	ND		0.102	5	03/29/2016 02:36	WG859766
1,3-Dichlorobenzene	ND		0.102	5	03/29/2016 02:36	WG859766
1,4-Dichlorobenzene	ND		0.102	5	03/29/2016 02:36	WG859766
Dichlorodifluoromethane	ND	<u>J4</u>	0.102	5	03/29/2016 02:36	WG859766
1,1-Dichloroethane	ND		0.102	5	03/29/2016 02:36	WG859766
1,2-Dichloroethane	ND		0.102	5	03/29/2016 02:36	WG859766
1,1-Dichloroethene	ND		0.102	5	03/29/2016 02:36	WG859766
cis-1,2-Dichloroethene	ND		0.102	5	03/29/2016 02:36	WG859766
trans-1,2-Dichloroethene	ND		0.102	5	03/29/2016 02:36	WG859766
1,2-Dichloropropane	ND		0.102	5	03/29/2016 02:36	WG859766
1,1-Dichloropropene	ND		0.102	5	03/29/2016 02:36	WG859766
1,3-Dichloropropane	ND		0.102	5	03/29/2016 02:36	WG859766
cis-1,3-Dichloropropene	ND		0.102	5	03/29/2016 02:36	WG859766
trans-1,3-Dichloropropene	ND		0.102	5	03/29/2016 02:36	WG859766
2,2-Dichloropropane	ND		0.102	5	03/29/2016 02:36	WG859766
Di-isopropyl ether	ND		0.102	5	03/29/2016 02:36	WG859766
Hexachloro-1,3-butadiene	ND		0.102	5	03/29/2016 02:36	WG859766
Isopropylbenzene	ND		0.102	5	03/29/2016 02:36	WG859766



AREA #2

Collected date/time: 03/21/16 15:33

SAMPLE RESULTS - 02

L825236

ONE LAB. NATIONWIDE.



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
p-Isopropyltoluene	ND		0.102	5	03/29/2016 02:36	WG859766	1 Cp
2-Butanone (MEK)	ND		0.102	5	03/29/2016 02:36	WG859766	2 Tc
Methylene Chloride	ND		0.102	5	03/29/2016 02:36	WG859766	3 Ss
4-Methyl-2-pentanone (MIBK)	ND		0.102	5	03/29/2016 02:36	WG859766	4 Cn
n-Propylbenzene	ND		0.102	5	03/29/2016 02:36	WG859766	5 Sr
Styrene	ND		0.102	5	03/29/2016 02:36	WG859766	6 Qc
1,1,1,2-Tetrachloroethane	ND		0.102	5	03/29/2016 02:36	WG859766	7 Gl
1,1,2,2-Tetrachloroethane	ND		0.102	5	03/29/2016 02:36	WG859766	8 Al
1,1,2-Trichlorotrifluoroethane	ND		0.102	5	03/29/2016 02:36	WG859766	9 Sc
Tetrachloroethene	ND		0.102	5	03/29/2016 02:36	WG859766	
1,2,3-Trichlorobenzene	ND		0.102	5	03/29/2016 02:36	WG859766	
1,2,4-Trichlorobenzene	ND		0.102	5	03/29/2016 02:36	WG859766	
1,1,1-Trichloroethane	ND		0.102	5	03/29/2016 02:36	WG859766	
1,1,2-Trichloroethane	ND		0.102	5	03/29/2016 02:36	WG859766	
Trichloroethene	ND		0.102	5	03/29/2016 02:36	WG859766	
Trichlorofluoromethane	ND		0.102	5	03/29/2016 02:36	WG859766	
1,2,3-Trichloropropane	ND		0.102	5	03/29/2016 02:36	WG859766	
1,2,4-Trimethylbenzene	ND		0.102	5	03/29/2016 02:36	WG859766	
1,2,3-Trimethylbenzene	ND		0.102	5	03/29/2016 02:36	WG859766	
Vinyl chloride	ND		0.102	5	03/29/2016 02:36	WG859766	
1,3,5-Trimethylbenzene	ND		0.102	5	03/29/2016 02:36	WG859766	
(S) Toluene-d8	97.0		88.7-115		03/29/2016 02:36	WG859766	
(S) Dibromofluoromethane	101		76.3-123		03/29/2016 02:36	WG859766	
(S) 4-Bromofluorobenzene	98.7		69.7-129		03/29/2016 02:36	WG859766	

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0173	1	03/30/2016 15:53	WG859985
PCB 1221	ND		0.0173	1	03/30/2016 15:53	WG859985
PCB 1232	ND		0.0173	1	03/30/2016 15:53	WG859985
PCB 1242	ND		0.0173	1	03/30/2016 15:53	WG859985
PCB 1248	ND		0.0173	1	03/30/2016 15:53	WG859985
PCB 1254	ND		0.0173	1	03/30/2016 15:53	WG859985
PCB 1260	ND		0.0173	1	03/30/2016 15:53	WG859985
(S) Decachlorobiphenyl	78.3		10.0-143		03/30/2016 15:53	WG859985
(S) Tetrachloro-m-xylene	77.3		29.2-144		03/30/2016 15:53	WG859985

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0336	1	03/31/2016 15:29	WG859918
Acenaphthylene	ND		0.0336	1	03/31/2016 15:29	WG859918
Anthracene	ND		0.0336	1	03/31/2016 15:29	WG859918
Benzidine	ND		0.339	1	03/31/2016 15:29	WG859918
Benzo(a)anthracene	ND		0.0336	1	03/31/2016 15:29	WG859918
Benzo(b)fluoranthene	ND		0.0336	1	03/31/2016 15:29	WG859918
Benzo(k)fluoranthene	ND		0.0336	1	03/31/2016 15:29	WG859918
Benzo(g,h,i)perylene	ND		0.0336	1	03/31/2016 15:29	WG859918
Benzo(a)pyrene	ND		0.0336	1	03/31/2016 15:29	WG859918
Bis(2-chloroethoxy)methane	ND		0.339	1	03/31/2016 15:29	WG859918
Bis(2-chloroethyl)ether	ND		0.339	1	03/31/2016 15:29	WG859918
Bis(2-chloroisopropyl)ether	ND		0.339	1	03/31/2016 15:29	WG859918
4-Bromophenyl-phenylether	ND		0.339	1	03/31/2016 15:29	WG859918
2-Chloronaphthalene	ND		0.0336	1	03/31/2016 15:29	WG859918

AREA #2

SAMPLE RESULTS - 02

ONE LAB. NATIONWIDE.

Collected date/time: 03/21/16 15:33

L825236

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorophenyl-phenylether	ND		0.339	1	03/31/2016 15:29	WG859918
Chrysene	ND		0.0336	1	03/31/2016 15:29	WG859918
Dibenz(a,h)anthracene	ND		0.0336	1	03/31/2016 15:29	WG859918
3,3-Dichlorobenzidine	ND		0.339	1	03/31/2016 15:29	WG859918
2,4-Dinitrotoluene	ND		0.339	1	03/31/2016 15:29	WG859918
2,6-Dinitrotoluene	ND		0.339	1	03/31/2016 15:29	WG859918
Fluoranthene	ND		0.0336	1	03/31/2016 15:29	WG859918
Fluorene	ND		0.0336	1	03/31/2016 15:29	WG859918
Hexachlorobenzene	ND		0.339	1	03/31/2016 15:29	WG859918
Hexachloro-1,3-butadiene	ND		0.339	1	03/31/2016 15:29	WG859918
Hexachlorocyclopentadiene	ND		0.339	1	03/31/2016 15:29	WG859918
Hexachloroethane	ND		0.339	1	03/31/2016 15:29	WG859918
Indeno(1,2,3-cd)pyrene	ND		0.0336	1	03/31/2016 15:29	WG859918
Isophorone	ND		0.339	1	03/31/2016 15:29	WG859918
Nitrobenzene	ND		0.339	1	03/31/2016 15:29	WG859918
n-Nitrosodimethylamine	ND		0.339	1	03/31/2016 15:29	WG859918
n-Nitrosodiphenylamine	ND		0.339	1	03/31/2016 15:29	WG859918
n-Nitrosodi-n-propylamine	ND		0.339	1	03/31/2016 15:29	WG859918
Phenanthrene	ND		0.0336	1	03/31/2016 15:29	WG859918
Benzylbutyl phthalate	ND		0.339	1	03/31/2016 15:29	WG859918
Bis(2-ethylhexyl)phthalate	ND		0.339	1	03/31/2016 15:29	WG859918
Di-n-butyl phthalate	ND		0.339	1	03/31/2016 15:29	WG859918
Diethyl phthalate	ND		0.339	1	03/31/2016 15:29	WG859918
Dimethyl phthalate	ND		0.339	1	03/31/2016 15:29	WG859918
Di-n-octyl phthalate	ND		0.339	1	03/31/2016 15:29	WG859918
Pyrene	ND		0.0336	1	03/31/2016 15:29	WG859918
1,2,4-Trichlorobenzene	ND		0.339	1	03/31/2016 15:29	WG859918
4-Chloro-3-methylphenol	ND		0.339	1	03/31/2016 15:29	WG859918
2-Chlorophenol	ND		0.339	1	03/31/2016 15:29	WG859918
2,4-Dichlorophenol	ND		0.339	1	03/31/2016 15:29	WG859918
2,4-Dimethylphenol	ND		0.339	1	03/31/2016 15:29	WG859918
4,6-Dinitro-2-methylphenol	ND		0.339	1	03/31/2016 15:29	WG859918
2,4-Dinitrophenol	ND	J3	0.339	1	03/31/2016 15:29	WG859918
2-Nitrophenol	ND		0.339	1	03/31/2016 15:29	WG859918
4-Nitrophenol	ND		0.339	1	03/31/2016 15:29	WG859918
Pentachlorophenol	ND		0.339	1	03/31/2016 15:29	WG859918
Phenol	ND		0.339	1	03/31/2016 15:29	WG859918
2,4,6-Trichlorophenol	ND		0.339	1	03/31/2016 15:29	WG859918
(S) 2-Fluorophenol	67.1		21.1-116		03/31/2016 15:29	WG859918
(S) Phenol-d5	62.6		26.3-121		03/31/2016 15:29	WG859918
(S) Nitrobenzene-d5	63.1		21.9-129		03/31/2016 15:29	WG859918
(S) 2-Fluorobiphenyl	67.3		34.9-129		03/31/2016 15:29	WG859918
(S) 2,4,6-Tribromophenol	79.1		21.6-142		03/31/2016 15:29	WG859918
(S) p-Terphenyl-d14	68.9		21.5-128		03/31/2016 15:29	WG859918

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc

Method Blank (MB)

(MB) R3124417-1 03/28/16 15:07

Analyte	MB Result %	<u>MB Qualifier</u>	MB MDL %	MB RDL %
Total Solids	0.000400			

Original Sample (OS) • Duplicate (DUP)

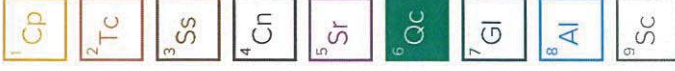
(OS) L825115-01 03/28/16 15:07 • (DUP) R3124417-3 03/28/16 15:07

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
Total Solids	81.2	80.9	1	0.377		5

Laboratory Control Sample (LCS)

(LCS) R3124417-2 03/28/16 15:07

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Total Solids	50.0	50.0	100	85.0-115	



Method Blank (MB)

(MB) R3124371-1 03/28/16 16:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Cyanide	U		0.0390	0.250

Original Sample (OS) • Duplicate (DUP)

(OS) L825236-01 03/28/16 17:05 • (DUP) R3124371-4 03/28/16 17:06

Analyte	Original Result mg/kg	DUP Result mg/kg	DUP Qualifier	DUP RPD %	DUP RPD Limits %
Cyanide	ND	ND		0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3124371-2 03/28/16 17:00 • (LCSD) R3124371-3 03/28/16 17:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCSD Qualifier	RPD %	RPD Limits %
Cyanide	48.4	69.6	64.8	144	134	50.0-150		7.00	20

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825236-02 03/28/16 17:07 • (MS) R3124371-5 03/28/16 17:08 • (MSD) R3124371-6 03/28/16 17:11

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	3.33	ND	3.50	3.52	105	106	1	80.0-120			0.000	20

Method Blank (MB)

(MB) R3123921-1 03/25/16 17:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Uranium	U		0.0266	2.50

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3123921-2 03/25/16 17:22 • (LCSD) R3123921-3 03/25/16 17:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Uranium	100	107	105	107	105	80-120			2	20

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825239-06 03/25/16 17:26 • (MS) R3123921-5 03/25/16 17:31 • (MSD) R3123921-6 03/25/16 17:33

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Uranium	20.0	0.510	103	106	102	105	5	75-125			3	20



Method Blank (MB)

(MB) R3124469-3 03/28/16 19:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
2-Chloroethyl vinyl ether	U		0.00234	0.0500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100

Method Blank (MB)

(MB) R3124469-3 03/28/16 19:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Di-isopropyl ether	U		0.000248	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
(S) Toluene-d8	96.2			88.7-115
(S) Dibromofluoromethane	99.9			76.3-123
(S) 4-Bromofluorobenzene	100			69.7-129

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3124469-1 03/28/16 18:24 • (LCSD) R3124469-2 03/28/16 18:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.175	0.169	140	135	25.3-178			3.75	22.9
Acrylonitrile	0.125	0.137	0.131	110	105	57.8-143			4.59	20
Bromobenzene	0.0250	0.0234	0.0230	93.4	91.8	80.3-115			1.74	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3124469-1 03/28/16 18:24 • (LCSD) R3124469-2 03/28/16 18:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	0.0250	0.0232	0.0225	92.7	89.9	75.3-119			3.02	20
Bromoform	0.0250	0.0235	0.0225	94.0	90.1	69.1-135			4.24	20
Bromomethane	0.0250	0.0341	0.0313	136	125	23.0-191			8.69	20
n-Butylbenzene	0.0250	0.0248	0.0254	99.3	102	74.2-134			2.40	20
sec-Butylbenzene	0.0250	0.0238	0.0232	95.0	92.9	77.8-129			2.22	20
tert-Butylbenzene	0.0250	0.0242	0.0234	96.9	93.5	77.2-129			3.61	20
Carbon tetrachloride	0.0250	0.0261	0.0253	104	101	69.4-129			2.91	20
Chlorobenzene	0.0250	0.0240	0.0231	95.9	92.5	78.9-122			3.60	20
Chlorodibromomethane	0.0250	0.0228	0.0222	91.1	89.0	76.4-126			2.38	20
Chloroethane	0.0250	0.0310	0.0269	124	108	47.2-147			14.3	20
2-Chloroethyl vinyl ether	0.125	0.139	0.129	111	103	16.7-162			7.80	23.7
Chloroform	0.0250	0.0247	0.0244	99.0	97.4	73.3-122			1.57	20
Chloromethane	0.0250	0.0288	0.0270	115	108	53.1-135			6.54	20
2-Chlorotoluene	0.0250	0.0235	0.0229	93.8	91.4	74.6-127			2.58	20
4-Chlorotoluene	0.0250	0.0226	0.0220	90.5	88.1	79.5-123			2.74	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0236	0.0238	94.5	95.1	64.9-131			0.630	20
1,2-Dibromoethane	0.0250	0.0242	0.0242	96.8	96.9	78.7-123			0.130	20
Dibromomethane	0.0250	0.0237	0.0233	94.6	93.2	78.5-117			1.56	20
1,2-Dichlorobenzene	0.0250	0.0236	0.0241	94.5	96.4	83.6-119			1.91	20
1,3-Dichlorobenzene	0.0250	0.0223	0.0223	89.4	89.4	75.9-129			0.000	20
1,4-Dichlorobenzene	0.0250	0.0235	0.0242	93.8	96.6	81.0-115			2.94	20
Dichlorodifluoromethane	0.0250	0.0350	0.0321	140	128	50.9-139	J4		8.63	20
1,1-Dichloroethane	0.0250	0.0261	0.0251	104	101	71.7-125			3.79	20
1,2-Dichloroethane	0.0250	0.0251	0.0248	101	99.3	67.2-121			1.18	20
1,1-Dichloroethene	0.0250	0.0237	0.0225	94.7	90.0	60.6-133			5.13	20
cis-1,2-Dichloroethene	0.0250	0.0251	0.0239	100	95.8	76.1-121			4.74	20
trans-1,2-Dichloroethene	0.0250	0.0254	0.0245	102	98.1	70.7-124			3.40	20
1,2-Dichloropropane	0.0250	0.0246	0.0247	98.6	98.7	76.9-123			0.140	20
1,1-Dichloropropene	0.0250	0.0254	0.0241	102	96.2	71.2-126			5.50	20
1,3-Dichloropropane	0.0250	0.0248	0.0246	99.4	98.3	80.3-114			1.07	20
cis-1,3-Dichloropropene	0.0250	0.0246	0.0243	98.4	97.3	77.3-123			1.11	20
trans-1,3-Dichloropropene	0.0250	0.0245	0.0244	98.0	97.6	73.0-127			0.470	20
2,2-Dichloropropane	0.0250	0.0235	0.0237	94.0	94.7	61.9-132			0.680	20
Diisopropyl ether	0.0250	0.0266	0.0261	106	104	67.2-131			2.03	20
Hexachloro-1,3-butadiene	0.0250	0.0246	0.0256	98.3	103	69.2-136			4.27	20
Isopropylbenzene	0.0250	0.0238	0.0232	95.3	92.7	79.4-126			2.80	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3124469-1 03/28/16 18:24 • (LCSD) R3124469-2 03/28/16 18:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
p-Isopropyltoluene	0.0250	0.0231	0.0228	92.5	91.2	75.4-132			1.41	20
2-Butanone (MEK)	0.125	0.161	0.148	129	118	44.5-154			8.46	21.3
Methylene Chloride	0.0250	0.0260	0.0259	104	104	68.2-119			0.500	20
4-Methyl-2-pentanone (MIBK)	0.125	0.137	0.131	110	105	61.1-138			4.66	20
n-Propylbenzene	0.0250	0.0240	0.0234	96.0	93.7	80.2-124			2.43	20
Styrene	0.0250	0.0240	0.0231	95.8	92.4	79.4-124			3.64	20
1,1,2-Tetrachloroethane	0.0250	0.0239	0.0233	95.6	93.2	76.7-127			2.55	20
1,1,2,2-Tetrachloroethane	0.0250	0.0260	0.0257	104	103	78.8-124			1.20	20
Tetrachloroethene	0.0250	0.0245	0.0238	97.9	95.3	71.1-133			2.72	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0238	0.0215	95.3	85.9	62.6-138			10.3	20
1,2,3-Trichlorobenzene	0.0250	0.0229	0.0233	91.5	93.3	72.5-137			1.89	20
1,2,4-Trichlorobenzene	0.0250	0.0230	0.0235	92.0	94.1	74.0-137			2.24	20
1,1,1-Trichloroethane	0.0250	0.0246	0.0236	98.2	94.3	69.9-127			4.03	20
1,1,2-Trichloroethane	0.0250	0.0236	0.0233	94.5	93.2	81.9-119			1.37	20
Trichloroethene	0.0250	0.0242	0.0237	96.7	95.0	77.2-122			1.79	20
Trichlorofluoromethane	0.0250	0.0251	0.0237	100	94.8	51.5-151			5.81	20
1,2,3-Trichloropropane	0.0250	0.0236	0.0233	94.4	93.0	74.0-124			1.46	20
1,2,3-Trimethylbenzene	0.0250	0.0242	0.0247	96.8	98.9	79.4-118			2.17	20
1,2,4-Trimethylbenzene	0.0250	0.0224	0.0221	89.4	88.3	77.1-124			1.27	20
1,3,5-Trimethylbenzene	0.0250	0.0243	0.0236	97.4	94.6	79.0-125			2.91	20
Vinyl chloride	0.0250	0.0265	0.0256	106	102	58.4-134			3.41	20
(S) Toluene-d8				98.4	98.2	88.7-115				
(S) Dibromofluoromethane				102	100	76.3-123				
(S) 4-Bromofluorobenzene				96.5	96.7	69.7-129				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825247-02 03/28/16 21:33 • (MS) R31244469-4 03/28/16 20:18 • (MSD) R31244469-5 03/28/16 20:37

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0244	0.630	0.628	96.9	96.5	5	10.0-130			0.370	31.5
Acrylonitrile	0.125	ND	0.527	0.496	84.3	79.3	5	39.3-152			6.01	27.2
Bromobenzene	0.0250	ND	0.0922	0.0766	73.8	61.3	5	40.0-130			18.5	27.4
Bromodichloromethane	0.0250	ND	0.0911	0.0787	72.9	62.9	5	50.6-128			14.7	22.8
Bromoform	0.0250	ND	0.0861	0.0789	68.8	63.1	5	43.3-139			8.71	25.9
Bromomethane	0.0250	ND	0.0854	0.0969	68.3	77.5	5	5.00-189			12.6	26.7

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825247-02 03/28/16 21:33 • (MS) R31244469-4 03/28/16 20:18 • (MSD) R31244469-5 03/28/16 20:37

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.0250	ND	0.0964	0.0735	77.2	58.8	5	23.6-146			27.0	39.2
sec-Butylbenzene	0.0250	ND	0.0962	0.0735	77.0	58.8	5	31.0-142			26.7	34.7
tert-Butylbenzene	0.0250	ND	0.0988	0.0790	79.0	63.2	5	36.9-142			22.3	31.7
Carbon tetrachloride	0.0250	ND	0.100	0.0829	80.0	66.3	5	46.0-140			18.7	27.2
Chlorobenzene	0.0250	ND	0.0955	0.0785	76.4	62.8	5	44.1-134			19.6	25.7
Chlorodibromomethane	0.0250	ND	0.0888	0.0783	71.1	62.6	5	49.7-134			12.6	24
Chloroethane	0.0250	ND	0.0826	0.0877	66.1	70.2	5	5.00-164			6.06	28.4
2-Chloroethyl vinyl ether	0.125	ND	0.508	0.444	81.3	71.0	5	5.00-159			13.5	40
Chloroform	0.0250	ND	0.0989	0.0820	79.1	65.6	5	51.2-133			18.8	22.8
Chloromethane	0.0250	ND	0.0923	0.0739	73.8	59.2	5	31.4-141			22.0	24.6
2-Chlorotoluene	0.0250	ND	0.0956	0.0774	76.5	61.9	5	36.1-137			21.0	28.9
4-Chlorotoluene	0.0250	ND	0.0890	0.0733	71.2	58.7	5	35.4-137			19.3	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.0869	0.0827	69.5	66.2	5	40.4-138			4.95	30.8
1,2-Dibromoethane	0.0250	ND	0.0943	0.0841	75.4	67.3	5	50.2-133			11.4	23.6
Dibromomethane	0.0250	ND	0.0900	0.0798	72.0	63.9	5	52.4-128			12.0	23
1,2-Dichlorobenzene	0.0250	ND	0.0906	0.0767	72.5	61.3	5	34.6-139			16.7	29.9
1,3-Dichlorobenzene	0.0250	0.000207	0.0865	0.0708	69.1	56.5	5	28.4-142			20.0	31.2
1,4-Dichlorobenzene	0.0250	ND	0.0889	0.0753	71.2	60.3	5	35.0-133			16.6	31.1
Dichlorodifluoromethane	0.0250	ND	0.120	0.0918	95.7	73.5	5	31.2-144			26.3	30.2
1,1-Dichloroethane	0.0250	ND	0.101	0.0847	81.1	67.8	5	49.1-136			18.0	22.9
1,2-Dichloroethane	0.0250	ND	0.0958	0.0849	76.6	67.9	5	47.1-129			12.1	22.7
1,1-Dichloroethene	0.0250	ND	0.0824	0.0648	65.9	51.9	5	36.1-142			23.9	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.0964	0.0819	77.1	65.5	5	50.6-133			16.3	23
trans-1,2-Dichloroethene	0.0250	ND	0.0922	0.0753	73.8	60.2	5	43.8-135			20.2	24.8
1,2-Dichloropropane	0.0250	ND	0.0963	0.0835	77.0	66.8	5	50.3-134			14.2	22.7
1,1-Dichloropropene	0.0250	ND	0.100	0.0794	80.0	63.6	5	43.0-137			22.9	26.4
1,3-Dichloropropane	0.0250	ND	0.0959	0.0860	76.7	68.8	5	51.4-127			10.9	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.0963	0.0830	77.1	66.4	5	48.4-134			14.9	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.0943	0.0842	75.4	67.3	5	46.6-135			11.3	25.3
2,2-Dichloropropane	0.0250	ND	0.101	0.0868	81.1	69.5	5	45.2-141			15.5	26.6
Di-isopropyl ether	0.0250	ND	0.0978	0.0862	78.3	68.9	5	46.7-140			12.7	23.5
Hexachloro-1,3-butadiene	0.0250	ND	0.0912	0.0657	73.0	52.5	5	10.0-149			32.6	40
Isopropylbenzene	0.0250	ND	0.0962	0.0768	76.9	61.5	5	41.9-139			22.4	29.3
p-Isopropyltoluene	0.0250	ND	0.0949	0.0734	75.9	58.7	5	27.3-146			25.6	35.1
2-Butanone (MEK)	0.125	ND	0.553	0.513	88.5	82.1	5	23.9-170			7.50	28.3
Methylene Chloride	0.0250	0.00133	0.0945	0.0823	74.6	64.7	5	46.7-125			13.9	22.2

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825247-02 03/28/16 21:33 • (MS) R3124469-4 03/28/16 20:18 • (MSD) R3124469-5 03/28/16 20:37

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.502	0.464	74.2	5	42.4-146			7.99	26.7
n-Propylbenzene	0.0250	ND	0.0979	0.0760	60.8	5	35.2-139			25.2	31.9
Styrene	0.0250	ND	0.0933	0.0774	61.9	5	39.7-137			18.6	28.2
1,1,2-Tetrachloroethane	0.0250	ND	0.0940	0.0799	63.9	5	48.8-136			16.2	25.5
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0944	0.0874	69.9	5	45.7-140			7.68	26.4
Tetrachloroethene	0.0250	0.000597	0.0980	0.0736	58.4	5	37.7-140			28.4	29.2
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.0878	0.0664	53.2	5	35.7-146			27.7	28.8
1,2,3-Trichlorobenzene	0.0250	ND	0.0807	0.0706	56.5	5	10.0-150			13.3	38.5
1,2,4-Trichlorobenzene	0.0250	0.000358	0.0830	0.0709	56.4	5	10.0-153			15.8	39.3
1,1,1-Trichloroethane	0.0250	ND	0.103	0.0825	66.0	5	49.0-138			21.7	25.3
1,1,2-Trichloroethane	0.0250	ND	0.0920	0.0801	64.1	5	52.3-132			13.8	23.4
Trichloroethene	0.0250	ND	0.0985	0.0809	64.7	5	48.0-132			19.6	24.8
Trichlorofluoromethane	0.0250	ND	0.0912	0.0817	65.4	5	12.8-169			10.9	29.7
1,2,3-Trichloropropane	0.0250	ND	0.0932	0.0840	67.2	5	44.4-138			10.5	26.3
1,2,3-Trimethylbenzene	0.0250	0.000153	0.0944	0.0780	62.3	5	41.0-133			19.0	27.6
1,2,4-Trimethylbenzene	0.0250	0.000250	0.0894	0.0724	57.7	5	32.9-139			21.0	30.6
1,3,5-Trimethylbenzene	0.0250	0.000143	0.0963	0.0762	60.8	5	37.1-138			23.4	30.6
Vinyl chloride	0.0250	ND	0.0971	0.0754	60.3	5	32.0-146			25.1	26.3
(S) Toluene-d8					97.2		88.7-115				
(S) Dibromofluoromethane					103		76.3-123				
(S) 4-Bromofluorobenzene					97.7		69.7-129				

Method Blank (MB)

(MB) R3125067-1 03/30/16 09:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.00350	0.0170
PCB 1221	U		0.00537	0.0170
PCB 1232	U		0.00417	0.0170
PCB 1242	U		0.00318	0.0170
PCB 1248	U		0.00315	0.0170
PCB 1254	U		0.00472	0.0170
PCB 1260	U		0.00494	0.0170
(S) Decachlorobiphenyl	82.8			10.0-143
(S) Tetrachloro-m-xylene	80.4			29.2-144

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3125067-2 03/30/16 10:04 • (LCSD) R3125067-3 03/30/16 10:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	LCSD Result mg/kg	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.1667	0.177	106	0.154	92.2	46.5-120			14.1	27
PCB 1016	0.1667	0.162	97.1	0.143	85.8	46.3-117			12.4	27.5
(S) Decachlorobiphenyl			96.1		94.1	10.0-143				
(S) Tetrachloro-m-xylene			92.3		91.0	29.2-144				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825061-12 03/30/16 12:34 • (MS) R3125067-4 03/30/16 12:46 • (MSD) R3125067-5 03/30/16 12:59

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.1667	ND	0.278	0.153	167	91.9	1	24.6-127	J5	J3	57.9	20
PCB 1016	0.1667	ND	0.184	0.167	110	100	1	23.9-147			9.38	25.8
(S) Decachlorobiphenyl					73.0	38.4		10.0-143				
(S) Tetrachloro-m-xylene					79.1	61.8		29.2-144				

Method Blank (MB)

(MB) R3125529-3 03/31/16 14:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00642	0.0330
Acenaphthylene	U		0.00671	0.0330
Anthracene	U		0.00632	0.0330
Benztidine	U		0.0637	0.333
Benzo(a)anthracene	U		0.00428	0.0330
Benzo(b)fluoranthene	U		0.00695	0.0330
Benzo(k)fluoranthene	U		0.00582	0.0330
Benzo(g,h,i)perylene	U		0.00721	0.0330
Benzo(a)pyrene	U		0.00548	0.0330
Bis(2-chloroethoxy)methane	U		0.00770	0.333
Bis(2-chloroethyl)ether	U		0.00896	0.333
Bis(2-chloroisopropyl)ether	U		0.00760	0.333
4-Bromophenyl-phenylether	U		0.0114	0.333
2-Chloronaphthalene	U		0.00639	0.0330
4-Chlorophenyl-phenylether	U		0.00627	0.333
Chrysene	U		0.00555	0.0330
Dibenz(a,h)anthracene	U		0.00821	0.0330
3,3-Dichlorobenzidine	U		0.0794	0.333
2,4-Dinitrotoluene	U		0.00607	0.333
2,6-Dinitrotoluene	U		0.00737	0.333
Fluoranthene	U		0.00496	0.0330
Fluorene	U		0.00682	0.0330
Hexachlorobenzene	U		0.00856	0.333
Hexachloro-1,3-butadiene	U		0.0100	0.333
Hexachlorocyclopentadiene	U		0.0587	0.333
Hexachloroethane	U		0.0134	0.333
Indeno(1,2,3-cd)pyrene	U		0.00772	0.0330
Isophorone	U		0.00522	0.333
Nitrobenzene	U		0.00695	0.333
n-Nitrosodimethylamine	U		0.0647	0.333
n-Nitrosodiphenylamine	U		0.00594	0.333
n-Nitrosodi-n-propylamine	U		0.00906	0.333
Phenanthrene	U		0.00528	0.0330
Benzylbutyl phthalate	U		0.0103	0.333
Bis(2-ethylhexyl)phthalate	U		0.0120	0.333
Di-n-butyl phthalate	U		0.0109	0.333

Method Blank (MB)

(MB) R3125529-3 03/31/16 14:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.00691	0.333
Dimethyl phthalate	U		0.00540	0.333
Di-n-octyl phthalate	U		0.00907	0.333
Pyrene	U		0.0123	0.0330
1,2,4-Trichlorobenzene	U		0.00876	0.333
4-Chloro-3-methylphenol	U		0.00477	0.333
2-Chlorophenol	U		0.00831	0.333
2,4-Dichlorophenol	U		0.00746	0.333
2,4-Dimethylphenol	U		0.0471	0.333
4,6-Dinitro-2-methylphenol	U		0.124	0.333
2,4-Dinitrophenol	U		0.0980	0.333
2-Nitrophenol	U		0.0130	0.333
4-Nitrophenol	U		0.0525	0.333
Pentachlorophenol	U		0.0480	0.333
Phenol	U		0.00695	0.333
2,4,6-Trichlorophenol	U		0.00779	0.333
(S) Nitrobenzene-d5	62.4			21.9-129
(S) 2-Fluorobiphenyl	65.6			34.9-129
(S) p-Terphenyl-d14	72.5			21.5-128
(S) Phenol-d5	59.6			26.3-121
(S) 2-Fluorophenol	62.9			21.1-116
(S) 2,4,6-Tribromophenol	71.6			21.6-142

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3125529-1 03/31/16 13:50 • (LCSD) R3125529-2 03/31/16 14:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.667	0.488	0.554	73.2	83.0	48.9-107			12.5	20
Acenaphthylene	0.667	0.514	0.581	77.1	87.1	49.2-111			12.2	20
Anthracene	0.667	0.492	0.534	73.7	80.0	52.0-112			8.25	20
Benzidine	0.667	ND	ND	4.74	3.99	0.000-48.0			17.3	40
Benzo(a)anthracene	0.667	0.442	0.525	66.2	78.6	52.3-106			17.1	20
Benzo(b)fluoranthene	0.667	0.465	0.510	69.7	76.4	51.3-106			9.28	20
Benzo(k)fluoranthene	0.667	0.466	0.506	69.8	75.8	52.9-107			8.23	20
Benzo(g,h,i)perylene	0.667	0.518	0.587	77.6	88.0	45.8-108			12.5	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3125529-1 03/31/16 13:50 • (LCSD) R3125529-2 03/31/16 14:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(a)pyrene	0.667	0.468	0.519	70.2	77.9	51.9-106			10.4	20
Bis(2-chlorethoxy)methane	0.667	0.463	0.494	69.5	74.1	44.9-108			6.47	20
Bis(2-chloroethyl)ether	0.667	0.396	0.417	59.4	62.5	32.5-112			5.00	26
Bis(2-chloroisopropyl)ether	0.667	0.458	0.471	68.7	70.6	40.4-99.0			2.69	20.7
4-Bromophenyl-phenylether	0.667	0.518	0.587	77.6	88.0	51.4-110			12.5	20
2-Chloronaphthalene	0.667	0.482	0.532	72.3	79.8	47.1-105			9.96	20
4-Chlorophenyl-phenylether	0.667	0.507	0.566	75.9	84.9	48.1-108			11.1	20
Chrysene	0.667	0.452	0.524	67.8	78.5	54.4-110			14.6	20
Dibenz(a,h)anthracene	0.667	0.510	0.583	76.4	87.4	45.7-111			13.4	20
3,3-Dichlorobenzidine	0.667	0.479	0.561	71.9	84.2	21.0-101			15.8	22
2,4-Dinitrotoluene	0.667	0.530	0.586	79.4	87.9	53.0-112			10.1	20
2,6-Dinitrotoluene	0.667	0.499	0.571	74.8	85.6	51.6-110			13.5	20
Fluoranthene	0.667	0.484	0.518	72.6	77.7	53.7-110			6.79	20
Fluorene	0.667	0.491	0.552	73.7	82.7	51.1-109			11.6	20
Hexachlorobenzene	0.667	0.521	0.577	78.2	86.5	43.2-104			10.1	20.1
Hexachloro-1,3-butadiene	0.667	0.486	0.500	72.9	74.9	41.5-112			2.69	20
Hexachlorocyclopentadiene	0.667	0.578	0.637	86.6	95.5	13.5-123			9.80	20.7
Hexachloroethane	0.667	0.420	0.435	62.9	65.2	36.2-103			3.51	22.7
Indeno(1,2,3-cd)pyrene	0.667	0.516	0.586	77.3	87.8	47.5-109			12.8	20
Isophorone	0.667	0.485	0.522	72.7	78.3	28.8-104			7.51	20
Nitrobenzene	0.667	0.441	0.469	66.2	70.3	40.7-109			6.09	21
n-Nitrosodimethylamine	0.667	0.430	0.456	64.4	68.4	18.1-122			6.00	23.5
n-Nitrosodiphenylamine	0.667	0.456	0.509	68.4	76.4	48.8-107			11.0	20
n-Nitrosodi-n-propylamine	0.667	0.429	0.484	64.4	72.5	43.3-109			11.9	20
Phenanthrene	0.667	0.464	0.514	69.5	77.1	51.6-107			10.3	20
Benzylbutyl phthalate	0.667	0.451	0.524	67.6	78.5	47.5-115			15.0	20
Bis(2-ethylhexyl)phthalate	0.667	0.445	0.521	66.7	78.1	48.1-116			15.8	20.5
Di-n-butyl phthalate	0.667	0.485	0.532	72.7	79.8	49.7-113			9.39	20
Diethyl phthalate	0.667	0.518	0.569	77.6	85.3	52.0-112			9.43	20
Dimethyl phthalate	0.667	0.527	0.586	78.9	87.8	51.4-108			10.6	20
Di-n-octyl phthalate	0.667	0.441	0.527	66.2	79.1	49.6-112			17.8	22
Pyrene	0.667	0.438	0.514	65.7	77.0	47.1-108			15.8	20
1,2,4-Trichlorobenzene	0.667	0.481	0.496	72.1	74.4	39.8-100			3.24	20
4-Chloro-3-methylphenol	0.667	0.466	0.487	69.9	73.1	51.1-113			4.42	20
2-Chlorophenol	0.667	0.444	0.470	66.6	70.5	40.8-103			5.64	20
2,4-Dichlorophenol	0.667	0.485	0.512	72.6	76.8	46.2-109			5.51	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3125529-1 03/31/16 13:50 • (LCSD) R3125529-2 03/31/16 14:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCSD Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,4-Dimethylphenol	0.667	0.423	0.454	63.4	68.0	42.2-110			7.01	20
4,6-Dinitro-2-methylphenol	0.667	0.392	0.478	58.7	71.6	23.1-119			19.8	23.7
2,4-Dinitrophenol	0.667	0.198	0.304	29.6	45.6	10.0-105	J3		42.5	36.5
2-Nitrophenol	0.667	0.490	0.508	73.5	76.2	44.2-113			3.61	20.9
4-Nitrophenol	0.667	0.461	0.541	69.2	81.2	34.8-109			16.0	20
Pentachlorophenol	0.667	0.452	0.548	67.7	82.2	16.2-102			19.3	22.9
Phenol	0.667	0.425	0.453	63.7	68.0	41.5-106			6.52	20
2,4,6-Trichlorophenol	0.667	0.510	0.562	76.5	84.2	44.4-108			9.57	20
(S) Nitrobenzene-d5				68.7	71.2	21.9-129				
(S) 2-Fluorobiphenyl				73.9	81.1	34.9-129				
(S) p-Terphenyl-d14				73.3	90.8	21.5-128				
(S) Phenol-d5				65.3	68.1	26.3-121				
(S) 2-Fluorophenol				69.6	70.1	21.1-116				
(S) 2,4,6-Tribromophenol				84.4	91.3	21.6-142				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825782-02 04/01/16 17:02 • (MS) R3125727-1 04/01/16 14:59 • (MSD) R3125727-2 04/01/16 15:23

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.667	ND	0.528	0.521	79.1	78.1	1	32.2-134			1.34	27.3
Acenaphthylene	0.667	ND	0.555	0.549	83.2	82.3	1	38.7-129			1.13	25.9
Anthracene	0.667	ND	0.494	0.523	74.0	78.4	1	32.3-137			5.69	28.4
Benzidine	0.667	ND	ND	ND	2.19	4.11	1	0.000-49.9	J3		61.1	40
Benzo(a)anthracene	0.667	ND	0.464	0.464	69.6	69.5	1	33.3-124			0.160	29
Benzo(b)fluoranthene	0.667	ND	0.515	0.516	77.2	77.3	1	23.3-133			0.210	30.3
Benzo(k)fluoranthene	0.667	ND	0.559	0.537	83.8	80.5	1	31.0-129			3.96	26.7
Benzo(g,h,i)perylene	0.667	ND	0.214	0.244	32.0	36.5	1	10.0-127			13.1	31.9
Benzo(a)pyrene	0.667	ND	0.479	0.490	71.8	73.5	1	28.2-128			2.25	28.4
Bis(2-chloroethoxy)methane	0.667	ND	0.495	0.484	74.2	72.6	1	35.0-132			2.10	26.1
Bis(2-chloroethyl)ether	0.667	ND	0.422	0.430	63.3	64.5	1	28.8-128			1.84	33.6
Bis(2-chloroisopropyl)ether	0.667	ND	0.495	0.483	74.1	72.4	1	31.8-118			2.42	31.7
4-Bromophenyl-phenylether	0.667	ND	0.528	0.544	79.1	81.5	1	39.0-130			3.00	26
2-Chloronaphthalene	0.667	ND	0.513	0.503	77.0	75.4	1	37.5-123			2.03	26.5
4-Chlorophenyl-phenylether	0.667	ND	0.551	0.539	82.6	80.9	1	37.9-123			2.09	25.9
Chrysene	0.667	ND	0.463	0.462	69.4	69.2	1	36.3-129			0.300	28

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825782-02 04/01/16 17:02 • (MS) R3125727-1 04/01/16 14:59 • (MSD) R3125727-2 04/01/16 15:23

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Dibenz(a,h)anthracene	0.667	ND	0.257	0.292	38.6	43.7	1	10.5-128			12.5	29.5
3,3-Dichlorobenzidine	0.667	ND	0.590	0.608	88.5	91.2	1	10.0-129			2.97	40
2,4-Dinitrotoluene	0.667	ND	0.625	0.612	93.7	91.7	1	27.8-147			2.16	29.7
2,6-Dinitrotoluene	0.667	ND	0.558	0.550	83.6	82.4	1	36.5-137			1.47	29.7
Fluoranthene	0.667	ND	0.501	0.536	75.1	80.4	1	27.9-138			6.74	26.9
Fluorene	0.667	ND	0.553	0.534	82.9	80.1	1	34.0-133			3.46	27.1
Hexachlorobenzene	0.667	ND	0.526	0.550	78.8	82.4	1	34.4-116			4.46	25.4
Hexachloro-1,3-butadiene	0.667	ND	0.500	0.515	75.0	77.3	1	36.5-125			2.95	29.7
Hexachlorocyclopentadiene	0.667	ND	0.357	0.381	53.5	57.2	1	10.0-124			6.55	37.5
Hexachloroethane	0.667	ND	0.438	0.454	65.6	68.0	1	11.3-143			3.62	31.9
Indeno(1,2,3-cd)pyrene	0.667	ND	0.260	0.295	39.0	44.3	1	10.0-128			12.8	31.5
Isophorone	0.667	ND	0.524	0.509	78.6	76.3	1	25.7-116			2.98	27.7
Nitrobenzene	0.667	ND	0.464	0.468	69.5	70.1	1	30.9-134			0.840	27.8
n-Nitrosodimethylamine	0.667	ND	0.427	0.431	64.0	64.6	1	19.2-127			0.860	32
n-Nitrosodiphenylamine	0.667	ND	0.467	0.488	70.0	73.1	1	26.8-133			4.36	25.9
n-Nitrosodi-n-propylamine	0.667	ND	0.500	0.487	74.9	73.0	1	33.0-134			2.62	28.2
Phenanthrene	0.667	ND	0.478	0.500	71.6	75.0	1	30.8-137			4.60	26.5
Benzylbutyl phthalate	0.667	ND	0.465	0.463	69.8	69.4	1	33.4-128			0.530	28.5
Bis(2-ethylhexyl)phthalate	0.667	ND	0.460	0.479	68.9	71.7	1	21.8-141			4.03	35.2
Di-n-butyl phthalate	0.667	ND	0.489	0.517	73.3	77.4	1	32.2-133			5.55	25.9
Diethyl phthalate	0.667	ND	0.611	0.584	91.6	87.6	1	39.4-136			4.46	25.5
Dimethyl phthalate	0.667	ND	0.573	0.556	85.9	83.3	1	35.8-137			3.06	25.4
Di-n-octyl phthalate	0.667	ND	0.447	0.464	67.0	69.6	1	28.5-128			3.84	32.5
Pyrene	0.667	ND	0.471	0.463	70.6	69.4	1	24.1-130			1.74	29.9
1,2,4-Trichlorobenzene	0.667	ND	0.505	0.514	75.7	77.0	1	36.5-114			1.67	28.4
4-Chloro-3-methylphenol	0.667	ND	0.534	0.516	80.0	77.4	1	27.0-154			3.32	26.6
2-Chlorophenol	0.667	ND	0.487	0.495	73.1	74.3	1	33.2-121			1.64	29.3
2,4-Dichlorophenol	0.667	ND	0.552	0.553	82.8	82.8	1	34.8-134			0.0900	27.3
2,4-Dimethylphenol	0.667	ND	0.497	0.489	74.6	73.4	1	12.3-149			1.59	32.3
4,6-Dinitro-2-methylphenol	0.667	ND	0.291	0.317	43.6	47.6	1	10.0-144			8.78	32.7
2,4-Dinitrophenol	0.667	ND	0.250	0.249	37.5	37.4	1	10.0-121			0.400	39.4
2-Nitrophenol	0.667	ND	0.536	0.524	80.4	78.5	1	29.5-144			2.30	29.9
4-Nitrophenol	0.667	ND	0.605	0.577	90.7	86.5	1	20.0-133			4.74	30.2
Pentachlorophenol	0.667	ND	0.639	0.658	95.9	98.7	1	10.0-139			2.89	28.3
Phenol	0.667	ND	0.473	0.462	71.0	69.3	1	25.1-130			2.33	29.6
2,4,6-Trichlorophenol	0.667	ND	0.593	0.575	88.9	86.1	1	33.8-133			3.14	28.1

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825782-02 04/01/16 17:02 • (MS) R3125727-1 04/01/16 14:59 • (MSD) R3125727-2 04/01/16 15:23

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Nitrobenzene-d5			72.1	72.1	72.1	72.1		21.9-129				
(S) 2-Fluorobiphenyl			76.0	74.2	76.0	74.2		34.9-129				
(S) p-Terphenyl-d14			84.6	81.2	84.6	81.2		21.5-128				
(S) Phenol-d5			70.1	70.7	70.1	70.7		26.3-121				
(S) 2-Fluorophenol			73.5	74.7	73.5	74.7		21.1-116				
(S) 2,4,6-Tribromophenol			92.2	95.7	92.2	95.7		21.6-142				



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

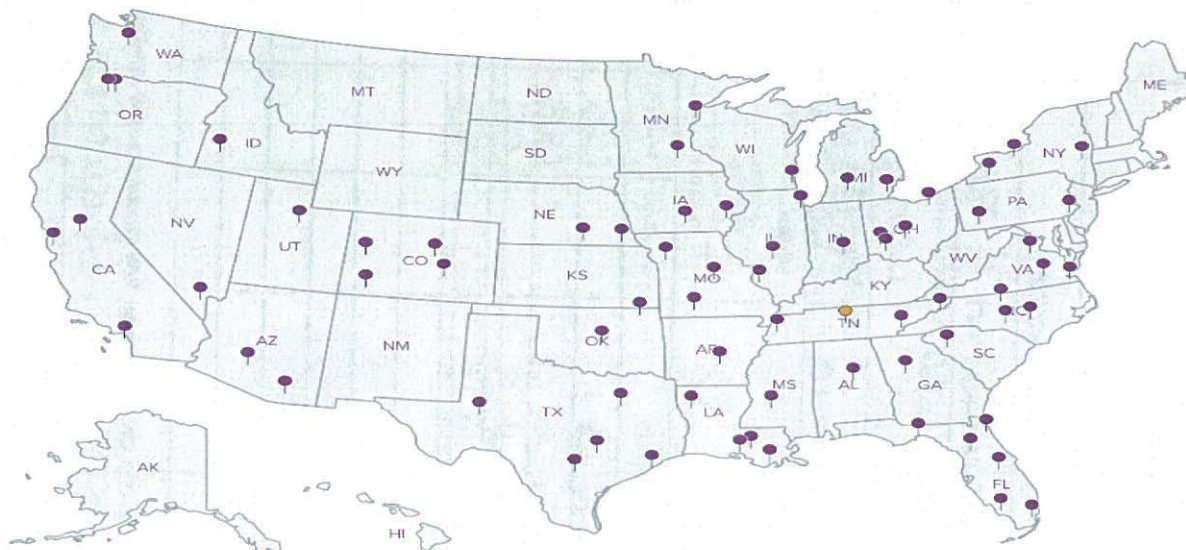
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ¹⁴ Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Company Name/Address: Envirotech Inc. -NM 5796 US Highway 64 Farmington, NM 87401		Billing Information: Accounts Payable 5796 US Highway 64 Farmington, NM 87401		Chain of Custody Page 1 of 1 ESC L.A.M. S.C.I.E.N.C.E.S. 12065 Labaton Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 GROUP LAB OF CHOICE 	
Report to: Lynn Cook & Tim Cain		Email To: Lynn Cook & Tim Cain		Hold #	
Project Description: Landfarm 4 Backgroun		City/State Collected:		Condition: (lab use only)	
Phone: (505) 632-0615		Lab Project #		COC Seal Intact: Y N NA	
Fax: 0615		Client Project # Landfarm		pH Checked:	
Collected by (print): I. Garvia		Site/Facility ID # 1433305		Temp	
Collected by (signature):		Rush? (lab MUST be notified)		Flow	
Immediately Packed on Ice N Y X		Same Day 200% Next Day 100% Two Day 50% Three Day 25%		Samples returned via: ☐ UPS ☐ FedEx ☐ Courier	
Sample ID		Date		Temp	
Comp/Grab		Matrix		Bottles Received:	
Area #1		SS		Temp: 2.9 °C	
Area #2		SS		Date: 3-24-16	
Area #3		SS		Time: 0700	
Area #4		SS			
Remarks: Please ref quotes ENVIROFN031115 \$ ENVIROFN0311162 (attached)					
Relinquished by: (Signature)		Date: 3/23/16		Received by: (Signature)	
Relinquished by: (Signature)		Date:		Received by: (Signature)	
Relinquished by: (Signature)		Date:		Received by: (Signature)	

Case Narrative

Lab No: 20160283

This report contains the analytical results for the 2 sample(s) received under chain of custody by ESC Lab Sciences on 03/25/16 13:32:08. These samples are associated with your Landfarm 4 Background project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted below:

The test results in this report meet all NELAC requirements unless noted below:

This report shall not be reproduced, except in full, without the written approval of ESC Lab Sciences.

All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client.

Results have been reviewed by the Director of Radiochemistry or their designees and is approved for release.

Observations / Nonconformances



Client : Envirotech
 Client Project : Landfarm 4 Background
 Lab Number : 20160283
 Date Reported : 04/13/16
 Date Received : 03/25/16
 Page Number : 2 of 3

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
--------	--------	----	-------	------	-----------	---------------	---------

Lab ID : 20160283-01
 Client ID : Area 1
 Date Sampled : 03/21/16 14:08:00
 Matrix : SCM

Radiochemical Analyses

K-40	DOE Ga-01-R*	19.7 +/- 1.48	0.342	pCi/g	03/29/16	04/08/16	RE
Tl-208	DOE Ga-01-R*	0.234 +/- 0.034	0.038	pCi/g	03/29/16	04/08/16	RE
Bi-212	DOE Ga-01-R*	0.495 +/- 0.180	0.277	pCi/g	03/29/16	04/08/16	RE
Pb-212	DOE Ga-01-R*	1.65 +/- 0.788	0.161	pCi/g	03/29/16	04/08/16	RE
Bi-214	DOE Ga-01-R*	0.460 +/- 0.056	0.064	pCi/g	03/29/16	04/08/16	RE
Pb-214	DOE Ga-01-R*	0.767 +/- 0.153	0.118	pCi/g	03/29/16	04/08/16	RE
Ra-226	DOE Ga-01-R*	1.75 +/- 1.93	2.27	pCi/g	03/29/16	04/08/16	RE
Ra-228	DOE Ga-01-R*	0.693 +/- 0.071	0.125	pCi/g	03/29/16	04/08/16	RE
U-238	DOE Ga-01-R*	1.24 +/- 0.561	0.846	pCi/g	03/29/16	04/08/16	RE
U-235	DOE Ga-01-R*	0.106 +/- 0.117	0.138	pCi/g	03/29/16	04/08/16	RE

Lab ID : 20160283-02
 Client ID : Area 2
 Date Sampled : 03/21/16 15:33:00
 Matrix : SCM

Radiochemical Analyses

K-40	DOE Ga-01-R*	21.2 +/- 1.91	0.682	pCi/g	03/29/16	04/09/16	RE
Tl-208	DOE Ga-01-R*	0.189 +/- 0.028	0.061	pCi/g	03/29/16	04/09/16	RE
Bi-212	DOE Ga-01-R*	0.370 +/- 0.304	0.049	pCi/g	03/29/16	04/09/16	RE
Pb-212	DOE Ga-01-R*	1.10 +/- 0.397	0.180	pCi/g	03/29/16	04/09/16	RE
Bi-214	DOE Ga-01-R*	0.458 +/- 0.082	0.132	pCi/g	03/29/16	04/09/16	RE
Pb-214	DOE Ga-01-R*	0.685 +/- 0.129	0.179	pCi/g	03/29/16	04/09/16	RE
Ra-226	DOE Ga-01-R*	1.28 +/- 0.745	1.25	pCi/g	03/29/16	04/09/16	RE
Ra-228	DOE Ga-01-R*	0.697 +/- 0.120	0.201	pCi/g	03/29/16	04/09/16	RE
U-238	DOE Ga-01-R*	0.902 +/- 0.265	0.528	pCi/g	03/29/16	04/09/16	RE
U-235	DOE Ga-01-R*	0.078 +/- 0.056	0.076	pCi/g	03/29/16	04/09/16	RE

Client : Envirotech
Client Project : Landfarm 4 Background
Lab Number : 20160283
Date Reported : 04/13/16
Date Received : 03/25/16
Page Number : 3 of 3

QC Report

Parameter	Blank	LCS %REC	LCSD %REC	RPD	DUP RPD	RER, NAD or DER	MS %REC	MSD %REC	RPD	Date
Am-241		99.3	112.0	11.8						04/08/16
Bi-212	0.005				NC	0.422				04/08/16
Bi-214	0.014				71.7	3.040				04/08/16
Co-60		88.7	107.0	19.0						04/08/16
Cs-137	-0.002	95.8	107.0	10.9	NC	0.476				04/08/16
K-40	0.220				13.4	1.090				04/08/16
Pb-212	0.306				18.8	0.696				04/08/16
Pb-214	0.028				20.4	1.180				04/08/16
Ra-226	0.917				NC	0.900				04/08/16
Ra-228	-0.044				9.3	0.390				04/08/16
Tl-208	0.006				69.7	2.430				04/08/16
U-235	0.049				NC	0.493				04/08/16
U-238	0.934				NC	0.094				04/08/16

Lab Approval: _____



Sub-Contract Chain of Custody

Environmental Science Corp
12065 Lebanon Road
Mt. Juliet, TN 37122
(615) 773-9756 (615) 758-5859 fax

Page 51 of 51

Sub-Contract Lab: ORLBAOK
City / State: Broken Arrow, OK
Results Needed by: 5/6/16
ESC Purchase Order #: S23465

WORKGROUP WG859068
Date Created: 3/24/16

Send Reports To: Janice Cozby jcozby@esciabsiences.com

SAMPLENO Container #	MATRIX	Date / Time Collected	PARAMETER Code	METHOD	Comments
L825238-01	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL	DOE Ga-01-R/9	
20147853					
L825238-01	SS		Radium-226 ORL-RA-226	SM7500Ra B M	
20147853					
L825238-01	SS		Radium-228 ORL-RA-228	9320	
L825238-02	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL	DOE Ga-01-R/9	
20147885					
L825238-02	SS		Radium-226 ORL-RA-226	SM7500Ra B M	
20147885					
L825238-02	SS		Radium-228 ORL-RA-228	9320	

Relinquished by 4924 Date: 032416
Received by: _____ Date: _____
Relinquished by _____ Date: _____
Received by: _____ Date: _____



Case Narrative

Lab No: 20160283

This report contains the analytical results for the 2 sample(s) received under chain of custody by ESC Lab Sciences on 3/25/2016 1:32:08 PM. These samples are associated with your Landfarm 4 Background project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted below:

The test results in this report meet all NELAC requirements unless noted below:

This report shall not be reproduced, except in full, without the written approval of ESC Lab Sciences.

All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client.

Results have been reviewed by the Director of Radiochemistry or their designees and is approved for release.

DL for Radiochemistry = MDA

DL for Metals and Wet Chemistry = MDL

DL for Drinking Water = SDWA

Observations / Nonconformances

Per customer's request, combined radium was added on 05/04/2017.



Client : Envirotech
 Client Project : Landfarm 4 Background
 Lab Number : 20160283
 Date Reported : 05/04/17
 Date Received : 03/25/16
 Page Number : 2 of 3

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
--------	--------	----	-------	------	-----------	---------------	---------

Lab ID : 20160283-01
Client ID : Area 1
Date Sampled : 3/21/2016 2:08:00 PM
Matrix : SCM

Radiochemical Analyses

Combined Radium		2.44 +/- 2.00	2.40	pCi/g			
K-40	DOE Ga-01-R*	19.7 +/- 1.48	0.342	pCi/g	03/29/16	04/08/16	RE
Tl-208	DOE Ga-01-R*	0.234 +/- 0.034	0.038	pCi/g	03/29/16	04/08/16	RE
Bi-212	DOE Ga-01-R*	0.495 +/- 0.180	0.277	pCi/g	03/29/16	04/08/16	RE
Pb-212	DOE Ga-01-R*	1.65 +/- 0.788	0.161	pCi/g	03/29/16	04/08/16	RE
Bi-214	DOE Ga-01-R*	0.460 +/- 0.056	0.064	pCi/g	03/29/16	04/08/16	RE
Pb-214	DOE Ga-01-R*	0.767 +/- 0.153	0.118	pCi/g	03/29/16	04/08/16	RE
Ra-226	DOE Ga-01-R*	1.75 +/- 1.93	2.27	pCi/g	03/29/16	04/08/16	RE
Ra-228	DOE Ga-01-R*	0.693 +/- 0.071	0.125	pCi/g	03/29/16	04/08/16	RE
U-238	DOE Ga-01-R*	1.24 +/- 0.561	0.846	pCi/g	03/29/16	04/08/16	RE
U-235	DOE Ga-01-R*	0.106 +/- 0.117	0.138	pCi/g	03/29/16	04/08/16	RE

Lab ID : 20160283-02
Client ID : Area 2
Date Sampled : 3/21/2016 3:33:00 PM
Matrix : SCM

Radiochemical Analyses

Combined Radium		1.98 +/- 0.87	1.45	pCi/g			
K-40	DOE Ga-01-R*	21.2 +/- 1.91	0.682	pCi/g	03/29/16	04/09/16	RE
Tl-208	DOE Ga-01-R*	0.189 +/- 0.028	0.061	pCi/g	03/29/16	04/09/16	RE
Bi-212	DOE Ga-01-R*	0.370 +/- 0.304	0.049	pCi/g	03/29/16	04/09/16	RE
Pb-212	DOE Ga-01-R*	1.10 +/- 0.397	0.180	pCi/g	03/29/16	04/09/16	RE
Bi-214	DOE Ga-01-R*	0.458 +/- 0.082	0.132	pCi/g	03/29/16	04/09/16	RE
Pb-214	DOE Ga-01-R*	0.685 +/- 0.129	0.179	pCi/g	03/29/16	04/09/16	RE
Ra-226	DOE Ga-01-R*	1.28 +/- 0.745	1.25	pCi/g	03/29/16	04/09/16	RE
Ra-228	DOE Ga-01-R*	0.697 +/- 0.120	0.201	pCi/g	03/29/16	04/09/16	RE
U-238	DOE Ga-01-R*	0.902 +/- 0.265	0.528	pCi/g	03/29/16	04/09/16	RE
U-235	DOE Ga-01-R*	0.078 +/- 0.056	0.076	pCi/g	03/29/16	04/09/16	RE



Client : Envirotech
Client Project : Landfarm 4 Background
Lab Number : 20160283
Date Reported : 05/04/17
Date Received : 03/25/16
Page Number : 3 of 3

QC Report

Parameter	Blank	LCS %REC	LCSD %REC	RPD	DUP RPD	RER, NAD or DER	MS %REC	MSD %REC	RPD	Batch ID
Am-241		99.3	112.0	11.8						
Bi-212	0.005				NC	0.422				
Bi-214	0.014				71.7	3.040				
Co-60		88.7	107.0	19.0						
Cs-137	-0.002	95.8	107.0	10.9	NC	0.476				
K-40	0.220				13.4	1.090				
Pb-212	0.306				18.8	0.696				
Pb-214	0.028				20.4	1.180				
Ra-226	0.917				NC	0.900				
Ra-228	-0.044				9.3	0.390	114.0	95.7	17.0	
Tl-208	0.006				69.7	2.430				
U-235	0.049				NC	0.493				
U-238	0.934				NC	0.094				

Lab Approval:

Ron Eidson
Director of Radiochemistry

Sub-Contract Chain of Custody



Environmental Science Corp
12065 Lebanon Road
Mt. Juliet, TN 37122
(615) 773-9756 (615) 758-5859 fax

Sub-Contract Lab : ORLBAOK
City / State : Broken Arrow, OK
Results Needed by : 5/6/16
ESC Purchase Order # : S23465

WORKGROUP **WG859068**
Date Created : **3/24/16**

Send Reports To : Janice Cozby jcozby@esclabsciences.com

SAMPLENO Container #	MATRIX	Date / Time Collected	PARAMETER	Code	METHOD	Comments
L825238-01	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
20147853						
L825238-01	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
20147853						
L825238-01	SS		Radium-228 ORL-RA-228		9320	
L825238-02	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
20147885						
L825238-02	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
20147885						
L825238-02	SS		Radium-228 ORL-RA-228		9320	

Relinquished by 4627 Date: 032416

Received by : _____ Date: _____

Relinquished by _____ Date: _____

Received by : _____ Date: _____





Analytical Report

Report Summary

Client: Envirotech

Chain Of Custody Number:

Samples Received: 3/22/2016 4:40:00PM

Job Number: Landfarm OH

Work Order: P603069

Project Name/Location: Landfarm 4 Background
Sampling

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman'.

Date: 4/14/16

Walter Hinchman, Laboratory Director

A handwritten signature in black ink, appearing to read 'Tim Cain'.

Date: 4/14/16

Tim Cain, Quality Assurance Officer

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:35

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Area 3	P603069-01A	Soil	03/22/16	03/22/16	Glass Jar, 4 oz.
	P603069-01B	Soil	03/22/16	03/22/16	Glass Jar, 4 oz.
	P603069-01C	Soil	03/22/16	03/22/16	Glass Jar, 4 oz.
	P603069-01D	Soil	03/22/16	03/22/16	Glass Jar, 2 oz.
	P603069-01E	Soil	03/22/16	03/22/16	Glass Jar, 2 oz.
	P603069-01F	Soil	03/22/16	03/22/16	Plastic Baggie
Area 4	P603069-02A	Soil	03/22/16	03/22/16	Glass Jar, 4 oz.
	P603069-02B	Soil	03/22/16	03/22/16	Glass Jar, 4 oz.
	P603069-02C	Soil	03/22/16	03/22/16	Glass Jar, 4 oz.
	P603069-02D	Soil	03/22/16	03/22/16	Glass Jar, 2 oz.
	P603069-02E	Soil	03/22/16	03/22/16	Glass Jar, 2 oz.
	P603069-02F	Soil	03/22/16	03/22/16	Plastic Baggie

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:35

Area 3
P603069-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.100	mg/kg	1		1613026	03/24/16	03/24/16	EPA 8021B	
Toluene	ND	0.100	mg/kg	1		1613026	03/24/16	03/24/16	EPA 8021B	
Ethylbenzene	ND	0.100	mg/kg	1		1613026	03/24/16	03/24/16	EPA 8021B	
p,m-Xylene	ND	0.200	mg/kg	1		1613026	03/24/16	03/24/16	EPA 8021B	
o-Xylene	ND	0.100	mg/kg	1		1613026	03/24/16	03/24/16	EPA 8021B	
Total Xylenes	ND	0.100	mg/kg	1		1613026	03/24/16	03/24/16	EPA 8021B	
Total BTEX	ND	0.100	mg/kg	1		1613026	03/24/16	03/24/16	EPA 8021B	
Methyl tert-Butyl Ether	ND	0.100	mg/kg	1		1613026	03/24/16	03/24/16	EPA 8021B	
Naphthalene	ND	0.500	mg/kg	1		1613026	03/24/16	03/24/16	EPA 8021B	
1-Methylnaphthalene	ND	0.500	mg/kg	1		1613026	03/24/16	03/24/16	EPA 8021B	
2-Methylnaphthalene	ND	0.500	mg/kg	1		1613026	03/24/16	03/24/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		110 %		50-150		1613026	03/24/16	03/24/16	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1		1613026	03/24/16	03/24/16	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1		1613023	03/24/16	03/24/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.9 %		50-150		1613026	03/24/16	03/24/16	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1		1613023	03/24/16	03/24/16	EPA 8015D	
Surrogate: n-Nonane		109 %		50-200		1613023	03/24/16	03/24/16	EPA 8015D	
Total Metals by 6010										
Calcium	2770	50.0	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	
Copper	ND	2.00	mg/kg	1		1614009	03/29/16	03/30/16	EPA 6010C	
Iron	4970	50.0	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	
Magnesium	1210	20.0	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	
Manganese	137	1.00	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	
Potassium	1260	50.0	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	
Sodium	ND	50.0	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	
Zinc	11.8	2.00	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	
Arsenic	1.37	1.00	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	
Barium	80.8	10.0	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	
Chromium	5.20	5.00	mg/kg	1		1614002	03/28/16	03/28/16	EPA 6010C	

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5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

 envirotech-inc.com
 laboratory@envirotech-inc.com

Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:35

Area 3
P603069-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Metals by 6010									
Lead	2.17	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Cation/Anion Analysis									
pH @25°C	8.67		pH Units	1	1613030	03/24/16 15:05	03/24/16 15:37	9040C/4500 H	
Total Dissolved Solids	504	10.0	mg/L	1	1613029	03/25/16	03/25/16	160.1/2540C	
Total Alkalinity as CaCO ₃	182	10.0	mg/L	1	1613019	03/24/16	03/24/16	Hach Method 8203	
Bicarbonate as CaCO ₃	182	10.0	mg/L	1	1613019	03/24/16	03/24/16	Hach Method 8203	
Carbonate as CaCO ₃	ND	10.0	mg/L	1	1613019	03/24/16	03/24/16	Hach Method 8203	
Hydroxide as CaCO ₃	ND	10.0	mg/L	1	1613019	03/24/16	03/24/16	Hach Method 8203	
Fluoride	2.51	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Chloride	ND	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrite-N	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrate-N	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
o-Phosphate-P	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Sulfate	ND	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Total Mercury by 7471B									
Mercury	ND	0.02	mg/kg	1	1613028	03/24/16	03/24/16	EPA 7471B	

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 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

Reported:
 14-Apr-16 10:35

Area 4
P603069-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Toluene	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Ethylbenzene	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
p,m-Xylene	ND	0.200	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
o-Xylene	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Total Xylenes	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Total BTEX	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Methyl tert-Butyl Ether	ND	0.100	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Naphthalene	ND	0.500	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
1-Methylnaphthalene	ND	0.500	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
2-Methylnaphthalene	ND	0.500	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		110 %		50-150	1613026	03/24/16	03/24/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1613026	03/24/16	03/24/16	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1613023	03/24/16	03/24/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %		50-150	1613026	03/24/16	03/24/16	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1613023	03/24/16	03/24/16	EPA 8015D	
Surrogate: n-Nonane		108 %		50-200	1613023	03/24/16	03/24/16	EPA 8015D	
Total Metals by 6010									
Calcium	9330	50.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Copper	5.73	2.00	mg/kg	1	1614009	03/29/16	03/30/16	EPA 6010C	
Iron	17000	50.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Magnesium	4890	20.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Manganese	335	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Potassium	2920	50.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Sodium	2120	50.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Zinc	35.4	2.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Arsenic	ND	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Barium	149	10.0	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Chromium	14.9	5.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

Reported:
 14-Apr-16 10:35

Area 4
P603069-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Metals by 6010									
Lead	5.65	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1614002	03/28/16	03/28/16	EPA 6010C	
Cation/Anion Analysis									
pH @25°C	8.10		pH Units	1	1613030	03/24/16 15:05	03/24/16 15:37	9040C/4500 H	
Total Dissolved Solids	4020	10.0	mg/L	1	1613029	03/25/16	03/25/16	160.1/2540C	
Total Alkalinity as CaCO ₃	108	10.0	mg/L	1	1613019	03/24/16	03/24/16	Hach Method 8203	
Bicarbonate as CaCO ₃	108	10.0	mg/L	1	1613019	03/24/16	03/24/16	Hach Method 8203	
Carbonate as CaCO ₃	ND	10.0	mg/L	1	1613019	03/24/16	03/24/16	Hach Method 8203	
Hydroxide as CaCO ₃	ND	10.0	mg/L	1	1613019	03/24/16	03/24/16	Hach Method 8203	
Fluoride	11.3	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Chloride	45.5	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrite-N	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrate-N	7.74	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
o-Phosphate-P	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Sulfate	2460	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Total Mercury by 7471B									
Mercury	ND	0.02	mg/kg	1	1613028	03/24/16	03/24/16	EPA 7471B	

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 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:35

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1613026 - Purge and Trap EPA 5030A
Blank (1613026-BLK1)

Prepared & Analyzed: 24-Mar-16

Benzene	ND	0.100	mg/kg							
Toluene	ND	0.100	"							
Ethylbenzene	ND	0.100	"							
p,m-Xylene	ND	0.200	"							
o-Xylene	ND	0.100	"							
Total Xylenes	ND	0.100	"							
Total BTEX	ND	0.100	"							
Methyl tert-Butyl Ether	ND	0.100	"							
Naphthalene	ND	0.500	"							
1-Methylnaphthalene	ND	0.500	"							
2-Methylnaphthalene	ND	0.500	"							
Surrogate: 4-Bromochlorobenzene-PID	0.177		"	0.160		111	50-150			

LCS (1613026-BS1)

Prepared & Analyzed: 24-Mar-16

Benzene	12.5	0.100	mg/kg	10.0		125	70-130			
Toluene	12.4	0.100	"	10.0		124	70-130			
Ethylbenzene	12.5	0.100	"	10.0		125	70-130			
p,m-Xylene	24.9	0.200	"	20.0		125	70-130			
o-Xylene	12.2	0.100	"	10.0		122	70-130			
Methyl tert-Butyl Ether	11.8	0.100	"	10.0		118	70-130			
Naphthalene	11.6	0.500	"	10.0		116	70-130			
1-Methylnaphthalene	11.5	0.500	"	10.0		115	70-130			
2-Methylnaphthalene	11.5	0.500	"	10.0		115	70-130			
Surrogate: 4-Bromochlorobenzene-PID	0.178		"	0.160		111	50-150			

Matrix Spike (1613026-MS1)

Source: P603076-01

Prepared & Analyzed: 24-Mar-16

Benzene	12.2	0.100	mg/kg	10.0	ND	122	54.3-133			
Toluene	12.1	0.100	"	10.0	ND	121	61.4-130			
Ethylbenzene	12.2	0.100	"	10.0	ND	122	61.4-133			
p,m-Xylene	24.4	0.200	"	20.0	ND	122	63.3-131			
o-Xylene	11.9	0.100	"	10.0	ND	119	63.3-131			
Methyl tert-Butyl Ether	11.5	0.100	"	10.0	ND	115	57.7-134			
Naphthalene	12.0	0.500	"	10.0	ND	120	70-130			
1-Methylnaphthalene	12.0	0.500	"	10.0	ND	120	70-130			
2-Methylnaphthalene	11.8	0.500	"	10.0	ND	118	70-130			
Surrogate: 4-Bromochlorobenzene-PID	0.182		"	0.160		114	50-150			

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:35

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1613026 - Purge and Trap EPA 5030A										
Matrix Spike Dup (1613026-MSD1)	Source: P603076-01			Prepared & Analyzed: 24-Mar-16						
Benzene	13.0	0.100	mg/kg	10.0	ND	130	54.3-133	6.43	20	
Toluene	12.9	0.100	"	10.0	ND	129	61.4-130	6.29	20	
Ethylbenzene	13.0	0.100	"	10.0	ND	130	61.4-133	6.48	20	
p,m-Xylene	26.0	0.200	"	20.0	ND	130	63.3-131	6.54	20	
o-Xylene	12.7	0.100	"	10.0	ND	127	63.3-131	6.46	20	
Methyl tert-Butyl Ether	12.9	0.100	"	10.0	ND	129	57.7-134	11.7	20	
Naphthalene	12.7	0.500	"	10.0	ND	127	70-130	5.85	20	
1-Methylnaphthalene	12.7	0.500	"	10.0	ND	127	70-130	5.90	20	
2-Methylnaphthalene	12.5	0.500	"	10.0	ND	125	70-130	6.10	20	
Surrogate: 4-Bromochlorobenzene-PID	0.181		"	0.160		113	50-150			

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 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:35

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1613023 - DRO Extraction EPA 3550M										
Blank (1613023-BLK1)				Prepared & Analyzed: 24-Mar-16						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: n-Nonane	59.1		"	50.0		118	50-200			
LCS (1613023-BS1)				Prepared & Analyzed: 24-Mar-16						
Diesel Range Organics (C10-C28)	570	25.0	mg/kg	500		114	38-132			
Surrogate: n-Nonane	62.7		"	50.0		125	50-200			
Matrix Spike (1613023-MS1)				Source: P603067-01		Prepared & Analyzed: 24-Mar-16				
Diesel Range Organics (C10-C28)	476	25.0	mg/kg	500	ND	95.3	38-132			
Surrogate: n-Nonane	52.5		"	50.0		105	50-200			
Matrix Spike Dup (1613023-MSD1)				Source: P603067-01		Prepared & Analyzed: 24-Mar-16				
Diesel Range Organics (C10-C28)	471	25.0	mg/kg	500	ND	94.2	38-132	1.15	20	
Surrogate: n-Nonane	52.0		"	50.0		104	50-200			

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Envirotech	Project Name:	Landfarm 4 Background Sampling	Reported: 14-Apr-16 10:35
5796 US HWY 64	Project Number:	Landfarm OH	
Farmington NM, 87401	Project Manager:	Greg Crabtree	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1613026 - Purge and Trap EPA 5030A										
Blank (1613026-BLK1)				Prepared & Analyzed: 24-Mar-16						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.140		"	0.160		87.3	50-150			
LCS (1613026-BS1)				Prepared & Analyzed: 24-Mar-16						
Gasoline Range Organics (C6-C10)	129	20.0	mg/kg	113		114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.140		"	0.160		87.4	50-150			
Matrix Spike (1613026-MS1)				Source: P603076-01		Prepared & Analyzed: 24-Mar-16				
Gasoline Range Organics (C6-C10)	129	20.0	mg/kg	113	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.142		"	0.160		88.8	50-150			
Matrix Spike Dup (1613026-MSD1)				Source: P603076-01		Prepared & Analyzed: 24-Mar-16				
Gasoline Range Organics (C6-C10)	130	20.0	mg/kg	113	ND	115	70-130	1.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.134		"	0.160		83.9	50-150			

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 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:35

Total Metals by 6010 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1614002 - Metal Solid Digestion EPA 3051A
Blank (1614002-BLK1)

Prepared & Analyzed: 28-Mar-16

Arsenic	ND	1.00	mg/kg
Barium	ND	10.0	"
Cadmium	ND	1.00	"
Calcium	ND	50.0	"
Chromium	ND	5.00	"
Iron	ND	50.0	"
Lead	ND	1.00	"
Magnesium	ND	20.0	"
Manganese	ND	1.00	"
Potassium	ND	50.0	"
Selenium	ND	5.00	"
Silver	ND	1.00	"
Sodium	ND	50.0	"
Zinc	ND	2.00	"

LCS (1614002-BS1)

Prepared & Analyzed: 28-Mar-16

Arsenic	79.1	1.00	mg/kg	90.0	87.9	80-120
Barium	92.3	10.0	"	90.0	103	80-120
Cadmium	84.2	1.00	"	90.0	93.5	80-120
Calcium	8820	50.0	"	9000	98.0	80-120
Chromium	85.4	5.00	"	90.0	94.9	80-120
Iron	8510	50.0	"	9000	94.5	80-120
Lead	80.2	1.00	"	90.0	89.1	80-120
Magnesium	8250	20.0	"	9000	91.7	80-120
Manganese	86.9	1.00	"	90.0	96.6	80-120
Potassium	96.5	50.0	"	90.0	107	80-120
Selenium	74.7	5.00	"	90.0	83.0	80-120
Silver	79.6	1.00	"	90.0	88.5	80-120
Sodium	8160	50.0	"	9000	90.7	80-120
Zinc	86.0	2.00	"	90.0	95.5	80-120

Matrix Spike (1614002-MS1)

Source: P603067-01

Prepared & Analyzed: 28-Mar-16

Arsenic	80.3	1.00	mg/kg	90.0	1.47	87.6	75-125
Barium	144	10.0	"	90.0	73.4	78.4	75-125
Cadmium	83.7	1.00	"	90.0	ND	93.0	75-125
Calcium	12600	50.0	"	9000	5090	83.1	75-125
Chromium	88.1	5.00	"	90.0	22.4	73.0	75-125
Iron	12400	50.0	"	9000	6640	64.2	75-125

 SPK1
 SPK1

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Envirotech 5796 US HWY 64 Farmington NM, 87401	Project Name: Landfarm 4 Background Sampling Project Number: Landfarm OH Project Manager: Greg Crabtree	Reported: 14-Apr-16 10:35
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Total Metals by 6010 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1614002 - Metal Solid Digestion EPA 3051A

Matrix Spike (1614002-MS1)		Source: P603067-01			Prepared & Analyzed: 28-Mar-16					
Lead	80.8	1.00	mg/kg	90.0	2.36	87.2	75-125			
Magnesium	9190	20.0	"	9000	1280	87.9	75-125			
Manganese	159	1.00	"	90.0	132	29.2	75-125			SPK1
Potassium	1110	50.0	"	90.0	1240	NR	75-125			SPK1
Selenium	73.6	5.00	"	90.0	ND	81.8	75-125			
Silver	23.5	1.00	"	90.0	ND	26.1	75-125			SPK1
Sodium	8130	50.0	"	9000	112	89.1	75-125			
Zinc	93.2	2.00	"	90.0	12.0	90.2	75-125			

Matrix Spike Dup (1614002-MSD1)		Source: P603067-01			Prepared & Analyzed: 28-Mar-16					
Arsenic	76.6	1.00	mg/kg	90.0	1.47	83.5	75-125	4.78	20	
Barium	153	10.0	"	90.0	73.4	88.0	75-125	5.80	20	
Cadmium	78.7	1.00	"	90.0	ND	87.4	75-125	6.18	20	
Calcium	14300	50.0	"	9000	5090	102	75-125	12.7	20	
Chromium	86.0	5.00	"	90.0	22.4	70.7	75-125	2.39	20	SPK1
Iron	12900	50.0	"	9000	6640	69.3	75-125	3.64	20	SPK1
Lead	76.6	1.00	"	90.0	2.36	82.5	75-125	5.41	20	
Magnesium	8900	20.0	"	9000	1280	84.7	75-125	3.17	20	
Manganese	178	1.00	"	90.0	132	51.1	75-125	11.7	20	SPK1
Potassium	1220	50.0	"	90.0	1240	NR	75-125	10.0	20	SPK1
Selenium	69.6	5.00	"	90.0	ND	77.3	75-125	5.68	20	
Silver	75.5	1.00	"	90.0	ND	83.9	75-125	105	20	D1
Sodium	7890	50.0	"	9000	112	86.5	75-125	2.98	20	
Zinc	89.5	2.00	"	90.0	12.0	86.0	75-125	4.12	20	

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5796 US Highway 64, Farmington, NM 87401

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:35

Total Metals by 6010 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1614009 - Metal Solid Digestion EPA 3051A										
Blank (1614009-BLK1)				Prepared: 29-Mar-16 Analyzed: 30-Mar-16						
Copper	ND	2.00	mg/kg							
LCS (1614009-BS1)				Prepared: 29-Mar-16 Analyzed: 30-Mar-16						
Copper	79.5	2.00	mg/kg	90.0		88.3	80-120			
Matrix Spike (1614009-MS1)				Source: P603067-01RE1 Prepared: 29-Mar-16 Analyzed: 30-Mar-16						
Copper	79.1	2.00	mg/kg	90.0	ND	87.9	75-125			
Matrix Spike Dup (1614009-MSD1)				Source: P603067-01RE1 Prepared: 29-Mar-16 Analyzed: 30-Mar-16						
Copper	81.5	2.00	mg/kg	90.0	ND	90.5	75-125	2.95	20	

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Envirotech 5796 US HWY 64 Farmington NM, 87401	Project Name: Landfarm 4 Background Sampling Project Number: Landfarm OH Project Manager: Greg Crabtree	Reported: 14-Apr-16 10:35
--	---	------------------------------

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1614001 - Anion Extraction EPA 300.0										
Blank (1614001-BLK1)				Prepared & Analyzed: 28-Mar-16						
Fluoride	ND	2.50	mg/kg							
Chloride	ND	20.0	"							
Nitrite-N	ND	2.50	"							
Nitrate-N	ND	2.50	"							
o-Phosphate-P	ND	2.50	"							
Sulfate	ND	20.0	"							
LCS (1614001-BS1)				Prepared & Analyzed: 28-Mar-16						
Fluoride	51.8	2.50	mg/kg	50.0		104	90-110			
Chloride	529	20.0	"	500		106	90-110			
Nitrite-N	52.8	2.50	"	50.0		106	90-110			
Nitrate-N	48.4	2.50	"	50.0		96.7	90-110			
o-Phosphate-P	79.8	2.50	"	81.5		97.8	90-110			
Sulfate	511	20.0	"	500		102	90-110			
Matrix Spike (1614001-MS1)				Source: P603067-01		Prepared & Analyzed: 28-Mar-16				
Fluoride	54.1	2.50	mg/kg	50.0	3.22	102	80-120			
Chloride	565	20.0	"	500	34.8	106	80-120			
Nitrite-N	55.5	2.50	"	50.0	ND	111	80-120			
Nitrate-N	50.9	2.50	"	50.0	ND	102	80-120			
o-Phosphate-P	43.6	2.50	"	81.5	ND	53.4	80-120			SPK1
Sulfate	561	20.0	"	500	32.3	106	80-120			
Matrix Spike Dup (1614001-MSD1)				Source: P603067-01		Prepared & Analyzed: 28-Mar-16				
Fluoride	54.7	2.50	mg/kg	50.0	3.22	103	80-120	1.14	20	
Chloride	571	20.0	"	500	34.8	107	80-120	1.10	20	
Nitrite-N	55.7	2.50	"	50.0	ND	111	80-120	0.288	20	
Nitrate-N	51.4	2.50	"	50.0	ND	103	80-120	0.996	20	
o-Phosphate-P	45.1	2.50	"	81.5	ND	55.3	80-120	3.39	20	SPK1
Sulfate	566	20.0	"	500	32.3	107	80-120	0.937	20	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 14-Apr-16 10:35

Total Mercury by 7471B - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1613028 - Mercury Solid Digestion KMNO4										
Blank (1613028-BLK1)				Prepared & Analyzed: 24-Mar-16						
Mercury	ND	0.02	mg/kg							
LCS (1613028-BS1)				Prepared & Analyzed: 24-Mar-16						
Mercury	0.15	0.02	mg/kg	0.133		109	80-120			
Matrix Spike (1613028-MS1)				Source: P603067-01 Prepared & Analyzed: 24-Mar-16						
Mercury	0.15	0.02	mg/kg	0.133	ND	114	75-125			
Matrix Spike Dup (1613028-MSD1)				Source: P603067-01 Prepared & Analyzed: 24-Mar-16						
Mercury	0.15	0.02	mg/kg	0.133	ND	112	75-125	1.27	15	

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Envirotech
5796 US HWY 64
Farmington NM, 87401

Project Name: Landfarm 4 Background Sampling
Project Number: Landfarm OH
Project Manager: Greg Crabtree

Reported:
14-Apr-16 10:35

Notes and Definitions

SPK1	The spike recovery is outside of quality control limits.
D1	Duplicates or Matrix Spike Duplicates Relative Percent Difference is outside of control limits.
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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April 08, 2016

EnviroTech- NM

Sample Delivery Group: L825247
Samples Received: 03/24/2016
Project Number: LANDFARM OH
Description: Landfarm 4 Background
Site: P603069
Report To: Tim Cain and Lynn Cook
5796 US. Highway 64
Farmington, NM 87401

Entire Report Reviewed By:



Daphne Richards
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



AREA #3 L825247-01 Solid

Collected by
SL / IG

Collected date/time
03/22/16 12:09

Received date/time
03/24/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICPMS) by Method 6020	WG859175	5	03/24/16 17:28	03/25/16 18:07	ST
Polychlorinated Biphenyls (GC) by Method 8082	WG859987	1	03/31/16 08:40	03/31/16 17:24	ADF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG859918	1	03/31/16 09:33	03/31/16 15:54	JF
Total Solids by Method 2540 G-2011	WG859525	1	03/28/16 15:07	03/28/16 15:14	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG859766	5	03/28/16 14:12	03/29/16 02:55	JAH
Wet Chemistry by Method 9012B	WG859353	1	03/28/16 14:10	03/28/16 17:12	ASK

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

AREA #4 L825247-02 Solid

Collected by
SL / IG

Collected date/time
03/22/16 15:03

Received date/time
03/24/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICPMS) by Method 6020	WG859175	5	03/24/16 17:28	03/25/16 18:10	ST
Polychlorinated Biphenyls (GC) by Method 8082	WG859987	1	03/31/16 08:40	04/04/16 13:25	ADF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG859918	1	03/31/16 09:33	03/31/16 16:19	JF
Total Solids by Method 2540 G-2011	WG859525	1	03/28/16 15:07	03/28/16 15:14	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG859766	5	03/28/16 14:12	03/28/16 21:33	JAH
Wet Chemistry by Method 9012B	WG859353	1	03/28/16 14:10	03/28/16 17:13	ASK



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Daphne Richards
Technical Service Representative

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

AREA #3

Collected date/time: 03/22/16 12:09

SAMPLE RESULTS - 01

L825247

ONE LAB. NATIONWIDE.



Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.5		1	03/28/2016 15:14	WG859525

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9012B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyanide	ND		0.256	1	03/28/2016 17:12	WG859353

5 Sr

6 Qc

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Uranium	ND		2.56	5	03/25/2016 18:07	WG859175

7 Gl

8 Al

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.103	5	03/29/2016 02:55	WG859766
Acrylonitrile	ND		0.103	5	03/29/2016 02:55	WG859766
Bromobenzene	ND		0.103	5	03/29/2016 02:55	WG859766
Bromodichloromethane	ND		0.103	5	03/29/2016 02:55	WG859766
Bromoform	ND		0.103	5	03/29/2016 02:55	WG859766
Bromomethane	ND		0.103	5	03/29/2016 02:55	WG859766
n-Butylbenzene	ND		0.103	5	03/29/2016 02:55	WG859766
sec-Butylbenzene	ND		0.103	5	03/29/2016 02:55	WG859766
tert-Butylbenzene	ND		0.103	5	03/29/2016 02:55	WG859766
Carbon tetrachloride	ND		0.103	5	03/29/2016 02:55	WG859766
Chlorobenzene	ND		0.103	5	03/29/2016 02:55	WG859766
Chlorodibromomethane	ND		0.103	5	03/29/2016 02:55	WG859766
Chloroethane	ND		0.103	5	03/29/2016 02:55	WG859766
2-Chloroethyl vinyl ether	ND		0.103	5	03/29/2016 02:55	WG859766
Chloroform	ND		0.103	5	03/29/2016 02:55	WG859766
Chloromethane	ND		0.103	5	03/29/2016 02:55	WG859766
2-Chlorotoluene	ND		0.103	5	03/29/2016 02:55	WG859766
4-Chlorotoluene	ND		0.103	5	03/29/2016 02:55	WG859766
1,2-Dibromo-3-Chloropropane	ND		0.103	5	03/29/2016 02:55	WG859766
1,2-Dibromoethane	ND		0.103	5	03/29/2016 02:55	WG859766
Dibromomethane	ND		0.103	5	03/29/2016 02:55	WG859766
1,2-Dichlorobenzene	ND		0.103	5	03/29/2016 02:55	WG859766
1,3-Dichlorobenzene	ND		0.103	5	03/29/2016 02:55	WG859766
1,4-Dichlorobenzene	ND		0.103	5	03/29/2016 02:55	WG859766
Dichlorodifluoromethane	ND	J4	0.103	5	03/29/2016 02:55	WG859766
1,1-Dichloroethane	ND		0.103	5	03/29/2016 02:55	WG859766
1,2-Dichloroethane	ND		0.103	5	03/29/2016 02:55	WG859766
1,1-Dichloroethene	ND		0.103	5	03/29/2016 02:55	WG859766
cis-1,2-Dichloroethene	ND		0.103	5	03/29/2016 02:55	WG859766
trans-1,2-Dichloroethene	ND		0.103	5	03/29/2016 02:55	WG859766
1,2-Dichloropropane	ND		0.103	5	03/29/2016 02:55	WG859766
1,1-Dichloropropene	ND		0.103	5	03/29/2016 02:55	WG859766
1,3-Dichloropropane	ND		0.103	5	03/29/2016 02:55	WG859766
cis-1,3-Dichloropropene	ND		0.103	5	03/29/2016 02:55	WG859766
trans-1,3-Dichloropropene	ND		0.103	5	03/29/2016 02:55	WG859766
2,2-Dichloropropane	ND		0.103	5	03/29/2016 02:55	WG859766
Di-isopropyl ether	ND		0.103	5	03/29/2016 02:55	WG859766
Hexachloro-1,3-butadiene	ND		0.103	5	03/29/2016 02:55	WG859766
Isopropylbenzene	ND		0.103	5	03/29/2016 02:55	WG859766

9 Sc

AREA #3

SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

Collected date/time: 03/22/16 12:09

L825247

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
p-Isopropyltoluene	ND		0.103	5	03/29/2016 02:55	WG859766	¹ Cp
2-Butanone (MEK)	ND		0.103	5	03/29/2016 02:55	WG859766	² Tc
Methylene Chloride	ND		0.103	5	03/29/2016 02:55	WG859766	
4-Methyl-2-pentanone (MIBK)	ND		0.103	5	03/29/2016 02:55	WG859766	³ Ss
n-Propylbenzene	ND		0.103	5	03/29/2016 02:55	WG859766	
Styrene	ND		0.103	5	03/29/2016 02:55	WG859766	⁴ Cn
1,1,1,2-Tetrachloroethane	ND		0.103	5	03/29/2016 02:55	WG859766	
1,1,2,2-Tetrachloroethane	ND		0.103	5	03/29/2016 02:55	WG859766	
1,1,2-Trichlorotrifluoroethane	ND		0.103	5	03/29/2016 02:55	WG859766	⁵ Sr
Tetrachloroethene	ND		0.103	5	03/29/2016 02:55	WG859766	
1,2,3-Trichlorobenzene	ND		0.103	5	03/29/2016 02:55	WG859766	⁶ Qc
1,2,4-Trichlorobenzene	ND		0.103	5	03/29/2016 02:55	WG859766	
1,1,1-Trichloroethane	ND		0.103	5	03/29/2016 02:55	WG859766	⁷ Gl
1,1,2-Trichloroethane	ND		0.103	5	03/29/2016 02:55	WG859766	
Trichloroethene	ND		0.103	5	03/29/2016 02:55	WG859766	⁸ Al
Trichlorofluoromethane	ND		0.103	5	03/29/2016 02:55	WG859766	
1,2,3-Trichloropropane	ND		0.103	5	03/29/2016 02:55	WG859766	⁹ Sc
1,2,4-Trimethylbenzene	ND		0.103	5	03/29/2016 02:55	WG859766	
1,2,3-Trimethylbenzene	ND		0.103	5	03/29/2016 02:55	WG859766	
Vinyl chloride	ND		0.103	5	03/29/2016 02:55	WG859766	
1,3,5-Trimethylbenzene	ND		0.103	5	03/29/2016 02:55	WG859766	
(S) Toluene-d8	98.0		88.7-115		03/29/2016 02:55	WG859766	
(S) Dibromofluoromethane	99.7		76.3-123		03/29/2016 02:55	WG859766	
(S) 4-Bromofluorobenzene	98.3		69.7-129		03/29/2016 02:55	WG859766	

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0174	1	03/31/2016 17:24	WG859987
PCB 1221	ND		0.0174	1	03/31/2016 17:24	WG859987
PCB 1232	ND		0.0174	1	03/31/2016 17:24	WG859987
PCB 1242	ND		0.0174	1	03/31/2016 17:24	WG859987
PCB 1248	ND		0.0174	1	03/31/2016 17:24	WG859987
PCB 1254	ND		0.0174	1	03/31/2016 17:24	WG859987
PCB 1260	ND		0.0174	1	03/31/2016 17:24	WG859987
(S) Decachlorobiphenyl	66.6		10.0-143		03/31/2016 17:24	WG859987
(S) Tetrachloro-m-xylene	77.3		29.2-144		03/31/2016 17:24	WG859987

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0338	1	03/31/2016 15:54	WG859918
Acenaphthylene	ND		0.0338	1	03/31/2016 15:54	WG859918
Anthracene	ND		0.0338	1	03/31/2016 15:54	WG859918
Benzidine	ND		0.341	1	03/31/2016 15:54	WG859918
Benzo(a)anthracene	ND		0.0338	1	03/31/2016 15:54	WG859918
Benzo(b)fluoranthene	ND		0.0338	1	03/31/2016 15:54	WG859918
Benzo(k)fluoranthene	ND		0.0338	1	03/31/2016 15:54	WG859918
Benzo(g,h,i)perylene	ND		0.0338	1	03/31/2016 15:54	WG859918
Benzo(a)pyrene	ND		0.0338	1	03/31/2016 15:54	WG859918
Bis(2-chlorethoxy)methane	ND		0.341	1	03/31/2016 15:54	WG859918
Bis(2-chloroethyl)ether	ND		0.341	1	03/31/2016 15:54	WG859918
Bis(2-chloroisopropyl)ether	ND		0.341	1	03/31/2016 15:54	WG859918
4-Bromophenyl-phenylether	ND		0.341	1	03/31/2016 15:54	WG859918
2-Chloronaphthalene	ND		0.0338	1	03/31/2016 15:54	WG859918

AREA #3

SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

Collected date/time: 03/22/16 12:09

L825247

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorophenyl-phenylether	ND		0.341	1	03/31/2016 15:54	WG859918
Chrysene	ND		0.0338	1	03/31/2016 15:54	WG859918
Dibenz[a,h]anthracene	ND		0.0338	1	03/31/2016 15:54	WG859918
3,3-Dichlorobenzidine	ND		0.341	1	03/31/2016 15:54	WG859918
2,4-Dinitrotoluene	ND		0.341	1	03/31/2016 15:54	WG859918
2,6-Dinitrotoluene	ND		0.341	1	03/31/2016 15:54	WG859918
Fluoranthene	ND		0.0338	1	03/31/2016 15:54	WG859918
Fluorene	ND		0.0338	1	03/31/2016 15:54	WG859918
Hexachlorobenzene	ND		0.341	1	03/31/2016 15:54	WG859918
Hexachloro-1,3-butadiene	ND		0.341	1	03/31/2016 15:54	WG859918
Hexachlorocyclopentadiene	ND		0.341	1	03/31/2016 15:54	WG859918
Hexachloroethane	ND		0.341	1	03/31/2016 15:54	WG859918
Indeno[1,2,3-cd]pyrene	ND		0.0338	1	03/31/2016 15:54	WG859918
Isophorone	ND		0.341	1	03/31/2016 15:54	WG859918
Nitrobenzene	ND		0.341	1	03/31/2016 15:54	WG859918
n-Nitrosodimethylamine	ND		0.341	1	03/31/2016 15:54	WG859918
n-Nitrosodiphenylamine	ND		0.341	1	03/31/2016 15:54	WG859918
n-Nitrosodi-n-propylamine	ND		0.341	1	03/31/2016 15:54	WG859918
Phenanthrene	ND		0.0338	1	03/31/2016 15:54	WG859918
Benzylbutyl phthalate	ND		0.341	1	03/31/2016 15:54	WG859918
Bis(2-ethylhexyl)phthalate	ND		0.341	1	03/31/2016 15:54	WG859918
Di-n-butyl phthalate	ND		0.341	1	03/31/2016 15:54	WG859918
Diethyl phthalate	ND		0.341	1	03/31/2016 15:54	WG859918
Dimethyl phthalate	ND		0.341	1	03/31/2016 15:54	WG859918
Di-n-octyl phthalate	ND		0.341	1	03/31/2016 15:54	WG859918
Pyrene	ND		0.0338	1	03/31/2016 15:54	WG859918
1,2,4-Trichlorobenzene	ND		0.341	1	03/31/2016 15:54	WG859918
4-Chloro-3-methylphenol	ND		0.341	1	03/31/2016 15:54	WG859918
2-Chlorophenol	ND		0.341	1	03/31/2016 15:54	WG859918
2,4-Dichlorophenol	ND		0.341	1	03/31/2016 15:54	WG859918
2,4-Dimethylphenol	ND		0.341	1	03/31/2016 15:54	WG859918
4,6-Dinitro-2-methylphenol	ND		0.341	1	03/31/2016 15:54	WG859918
2,4-Dinitrophenol	ND	J3	0.341	1	03/31/2016 15:54	WG859918
2-Nitrophenol	ND		0.341	1	03/31/2016 15:54	WG859918
4-Nitrophenol	ND		0.341	1	03/31/2016 15:54	WG859918
Pentachlorophenol	ND		0.341	1	03/31/2016 15:54	WG859918
Phenol	ND		0.341	1	03/31/2016 15:54	WG859918
2,4,6-Trichlorophenol	ND		0.341	1	03/31/2016 15:54	WG859918
(S) 2-Fluorophenol	70.0		21.1-116		03/31/2016 15:54	WG859918
(S) Phenol-d5	66.1		26.3-121		03/31/2016 15:54	WG859918
(S) Nitrobenzene-d5	64.5		21.9-129		03/31/2016 15:54	WG859918
(S) 2-Fluorobiphenyl	72.1		34.9-129		03/31/2016 15:54	WG859918
(S) 2,4,6-Tribromophenol	86.8		21.6-142		03/31/2016 15:54	WG859918
(S) p-Terphenyl-d14	83.1		21.5-128		03/31/2016 15:54	WG859918

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AREA #4

Collected date/time: 03/22/16 15:03

SAMPLE RESULTS - 02

L825247

ONE LAB. NATIONWIDE.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	03/28/2016 15:14	WG859525

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Cyanide	ND		0.281	1	03/28/2016 17:13	WG859353

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Uranium	ND		2.81	5	03/25/2016 18:10	WG859175

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.112	5	03/28/2016 21:33	WG859766
Acrylonitrile	ND		0.112	5	03/28/2016 21:33	WG859766
Bromobenzene	ND		0.112	5	03/28/2016 21:33	WG859766
Bromodichloromethane	ND		0.112	5	03/28/2016 21:33	WG859766
Bromoform	ND		0.112	5	03/28/2016 21:33	WG859766
Bromomethane	ND		0.112	5	03/28/2016 21:33	WG859766
n-Butylbenzene	ND		0.112	5	03/28/2016 21:33	WG859766
sec-Butylbenzene	ND		0.112	5	03/28/2016 21:33	WG859766
tert-Butylbenzene	ND		0.112	5	03/28/2016 21:33	WG859766
Carbon tetrachloride	ND		0.112	5	03/28/2016 21:33	WG859766
Chlorobenzene	ND		0.112	5	03/28/2016 21:33	WG859766
Chlorodibromomethane	ND		0.112	5	03/28/2016 21:33	WG859766
Chloroethane	ND		0.112	5	03/28/2016 21:33	WG859766
2-Chloroethyl vinyl ether	ND		0.112	5	03/28/2016 21:33	WG859766
Chloroform	ND		0.112	5	03/28/2016 21:33	WG859766
Chloromethane	ND		0.112	5	03/28/2016 21:33	WG859766
2-Chlorotoluene	ND		0.112	5	03/28/2016 21:33	WG859766
4-Chlorotoluene	ND		0.112	5	03/28/2016 21:33	WG859766
1,2-Dibromo-3-Chloropropane	ND		0.112	5	03/28/2016 21:33	WG859766
1,2-Dibromoethane	ND		0.112	5	03/28/2016 21:33	WG859766
Dibromomethane	ND		0.112	5	03/28/2016 21:33	WG859766
1,2-Dichlorobenzene	ND		0.112	5	03/28/2016 21:33	WG859766
1,3-Dichlorobenzene	ND		0.112	5	03/28/2016 21:33	WG859766
1,4-Dichlorobenzene	ND		0.112	5	03/28/2016 21:33	WG859766
Dichlorodifluoromethane	ND	J4	0.112	5	03/28/2016 21:33	WG859766
1,1-Dichloroethane	ND		0.112	5	03/28/2016 21:33	WG859766
1,2-Dichloroethane	ND		0.112	5	03/28/2016 21:33	WG859766
1,1-Dichloroethene	ND		0.112	5	03/28/2016 21:33	WG859766
cis-1,2-Dichloroethene	ND		0.112	5	03/28/2016 21:33	WG859766
trans-1,2-Dichloroethene	ND		0.112	5	03/28/2016 21:33	WG859766
1,2-Dichloropropane	ND		0.112	5	03/28/2016 21:33	WG859766
1,1-Dichloropropene	ND		0.112	5	03/28/2016 21:33	WG859766
1,3-Dichloropropane	ND		0.112	5	03/28/2016 21:33	WG859766
cis-1,3-Dichloropropene	ND		0.112	5	03/28/2016 21:33	WG859766
trans-1,3-Dichloropropene	ND		0.112	5	03/28/2016 21:33	WG859766
2,2-Dichloropropane	ND		0.112	5	03/28/2016 21:33	WG859766
Di-isopropyl ether	ND		0.112	5	03/28/2016 21:33	WG859766
Hexachloro-1,3-butadiene	ND		0.112	5	03/28/2016 21:33	WG859766
Isopropylbenzene	ND		0.112	5	03/28/2016 21:33	WG859766

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc

AREA #4

SAMPLE RESULTS - 02

ONE LAB. NATIONWIDE.

Collected date/time: 03/22/16 15:03

L825247

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
p-Isopropyltoluene	ND		0.112	5	03/28/2016 21:33	WG859766	¹ Cp
2-Butanone (MEK)	ND		0.112	5	03/28/2016 21:33	WG859766	² Tc
Methylene Chloride	ND		0.112	5	03/28/2016 21:33	WG859766	³ Ss
4-Methyl-2-pentanone (MIBK)	ND		0.112	5	03/28/2016 21:33	WG859766	⁴ Cn
n-Propylbenzene	ND		0.112	5	03/28/2016 21:33	WG859766	⁵ Sr
Styrene	ND		0.112	5	03/28/2016 21:33	WG859766	⁶ Qc
1,1,1,2-Tetrachloroethane	ND		0.112	5	03/28/2016 21:33	WG859766	⁷ Gl
1,1,2,2-Tetrachloroethane	ND		0.112	5	03/28/2016 21:33	WG859766	⁸ Al
1,1,2-Trichlorotrifluoroethane	ND		0.112	5	03/28/2016 21:33	WG859766	⁹ Sc
Tetrachloroethene	ND		0.112	5	03/28/2016 21:33	WG859766	
1,2,3-Trichlorobenzene	ND		0.112	5	03/28/2016 21:33	WG859766	
1,2,4-Trichlorobenzene	ND		0.112	5	03/28/2016 21:33	WG859766	
1,1,1-Trichloroethane	ND		0.112	5	03/28/2016 21:33	WG859766	
1,1,2-Trichloroethane	ND		0.112	5	03/28/2016 21:33	WG859766	
Trichloroethene	ND		0.112	5	03/28/2016 21:33	WG859766	
Trichlorofluoromethane	ND		0.112	5	03/28/2016 21:33	WG859766	
1,2,3-Trichloropropane	ND		0.112	5	03/28/2016 21:33	WG859766	
1,2,4-Trimethylbenzene	ND		0.112	5	03/28/2016 21:33	WG859766	
1,2,3-Trimethylbenzene	ND		0.112	5	03/28/2016 21:33	WG859766	
Vinyl chloride	ND		0.112	5	03/28/2016 21:33	WG859766	
1,3,5-Trimethylbenzene	ND		0.112	5	03/28/2016 21:33	WG859766	
(S) Toluene-d8	96.0		88.7-115		03/28/2016 21:33	WG859766	
(S) Dibromofluoromethane	102		76.3-123		03/28/2016 21:33	WG859766	
(S) 4-Bromofluorobenzene	96.1		69.7-129		03/28/2016 21:33	WG859766	

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0191	1	04/04/2016 13:25	WG859987
PCB 1221	ND		0.0191	1	04/04/2016 13:25	WG859987
PCB 1232	ND		0.0191	1	04/04/2016 13:25	WG859987
PCB 1242	ND		0.0191	1	04/04/2016 13:25	WG859987
PCB 1248	ND		0.0191	1	04/04/2016 13:25	WG859987
PCB 1254	ND		0.0191	1	04/04/2016 13:25	WG859987
PCB 1260	ND		0.0191	1	04/04/2016 13:25	WG859987
(S) Decachlorobiphenyl	67.0		10.0-143		04/04/2016 13:25	WG859987
(S) Tetrachloro-m-xylene	72.3		29.2-144		04/04/2016 13:25	WG859987

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0370	1	03/31/2016 16:19	WG859918
Acenaphthylene	ND		0.0370	1	03/31/2016 16:19	WG859918
Anthracene	ND		0.0370	1	03/31/2016 16:19	WG859918
Benzidine	ND		0.374	1	03/31/2016 16:19	WG859918
Benzo(a)anthracene	ND		0.0370	1	03/31/2016 16:19	WG859918
Benzo(b)fluoranthene	ND		0.0370	1	03/31/2016 16:19	WG859918
Benzo(k)fluoranthene	ND		0.0370	1	03/31/2016 16:19	WG859918
Benzo(g,h,i)perylene	ND		0.0370	1	03/31/2016 16:19	WG859918
Benzo(a)pyrene	ND		0.0370	1	03/31/2016 16:19	WG859918
Bis(2-chloroethoxy)methane	ND		0.374	1	03/31/2016 16:19	WG859918
Bis(2-chloroethyl)ether	ND		0.374	1	03/31/2016 16:19	WG859918
Bis(2-chloroisopropyl)ether	ND		0.374	1	03/31/2016 16:19	WG859918
4-Bromophenyl-phenylether	ND		0.374	1	03/31/2016 16:19	WG859918
2-Chloronaphthalene	ND		0.0370	1	03/31/2016 16:19	WG859918

AREA #4

SAMPLE RESULTS - 02

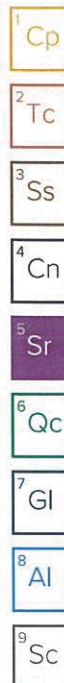
ONE LAB. NATIONWIDE.

Collected date/time: 03/22/16 15:03

L825247

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorophenyl-phenylether	ND		0.374	1	03/31/2016 16:19	WG859918
Chrysene	ND		0.0370	1	03/31/2016 16:19	WG859918
Dibenz(a,h)anthracene	ND		0.0370	1	03/31/2016 16:19	WG859918
3,3-Dichlorobenzidine	ND		0.374	1	03/31/2016 16:19	WG859918
2,4-Dinitrotoluene	ND		0.374	1	03/31/2016 16:19	WG859918
2,6-Dinitrotoluene	ND		0.374	1	03/31/2016 16:19	WG859918
Fluoranthene	ND		0.0370	1	03/31/2016 16:19	WG859918
Fluorene	ND		0.0370	1	03/31/2016 16:19	WG859918
Hexachlorobenzene	ND		0.374	1	03/31/2016 16:19	WG859918
Hexachloro-1,3-butadiene	ND		0.374	1	03/31/2016 16:19	WG859918
Hexachlorocyclopentadiene	ND		0.374	1	03/31/2016 16:19	WG859918
Hexachloroethane	ND		0.374	1	03/31/2016 16:19	WG859918
Indeno(1,2,3-cd)pyrene	ND		0.0370	1	03/31/2016 16:19	WG859918
Isophorone	ND		0.374	1	03/31/2016 16:19	WG859918
Nitrobenzene	ND		0.374	1	03/31/2016 16:19	WG859918
n-Nitrosodimethylamine	ND		0.374	1	03/31/2016 16:19	WG859918
n-Nitrosodiphenylamine	ND		0.374	1	03/31/2016 16:19	WG859918
n-Nitrosodi-n-propylamine	ND		0.374	1	03/31/2016 16:19	WG859918
Phenanthrene	ND		0.0370	1	03/31/2016 16:19	WG859918
Benzylbutyl phthalate	ND		0.374	1	03/31/2016 16:19	WG859918
Bis(2-ethylhexyl)phthalate	ND		0.374	1	03/31/2016 16:19	WG859918
Di-n-butyl phthalate	ND		0.374	1	03/31/2016 16:19	WG859918
Diethyl phthalate	ND		0.374	1	03/31/2016 16:19	WG859918
Dimethyl phthalate	ND		0.374	1	03/31/2016 16:19	WG859918
Di-n-octyl phthalate	ND		0.374	1	03/31/2016 16:19	WG859918
Pyrene	ND		0.0370	1	03/31/2016 16:19	WG859918
1,2,4-Trichlorobenzene	ND		0.374	1	03/31/2016 16:19	WG859918
4-Chloro-3-methylphenol	ND		0.374	1	03/31/2016 16:19	WG859918
2-Chlorophenol	ND		0.374	1	03/31/2016 16:19	WG859918
2,4-Dichlorophenol	ND		0.374	1	03/31/2016 16:19	WG859918
2,4-Dimethylphenol	ND		0.374	1	03/31/2016 16:19	WG859918
4,6-Dinitro-2-methylphenol	ND		0.374	1	03/31/2016 16:19	WG859918
2,4-Dinitrophenol	ND	J3	0.374	1	03/31/2016 16:19	WG859918
2-Nitrophenol	ND		0.374	1	03/31/2016 16:19	WG859918
4-Nitrophenol	ND		0.374	1	03/31/2016 16:19	WG859918
Pentachlorophenol	ND		0.374	1	03/31/2016 16:19	WG859918
Phenol	ND		0.374	1	03/31/2016 16:19	WG859918
2,4,6-Trichlorophenol	ND		0.374	1	03/31/2016 16:19	WG859918
(S) 2-Fluorophenol	52.5		21.1-116		03/31/2016 16:19	WG859918
(S) Phenol-d5	46.7		26.3-121		03/31/2016 16:19	WG859918
(S) Nitrobenzene-d5	47.0		21.9-129		03/31/2016 16:19	WG859918
(S) 2-Fluorobiphenyl	55.5		34.9-129		03/31/2016 16:19	WG859918
(S) 2,4,6-Tribromophenol	60.8		21.6-142		03/31/2016 16:19	WG859918
(S) p-Terphenyl-d14	52.7		21.5-128		03/31/2016 16:19	WG859918



Method Blank (MB)

(MB) R3124419-1 03/28/16 15:14

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000600			

Original Sample (OS) • Duplicate (DUP)

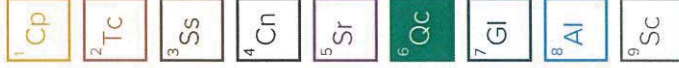
(OS) L825292-05 03/28/16 15:14 • (DUP) R3124419-3 03/28/16 15:14

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.8	90.1	1	0.321		5

Laboratory Control Sample (LCS)

(LCS) R3124419-2 03/28/16 15:14

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	49.9	99.8	85.0-115	



Method Blank (MB)

(MB) R3124371-1 03/28/16 16:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Cyanide	U		0.0390	0.250

Original Sample (OS) • Duplicate (DUP)

(OS) L825236-01 03/28/16 17:05 • (DUP) R3124371-4 03/28/16 17:06

Analyte	Original Result mg/kg	DUP Result mg/kg	DUP Qualifier	DUP RPD %	DUP RPD Limits %
Cyanide	ND	ND		0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

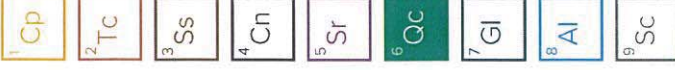
(LCS) R3124371-2 03/28/16 17:00 • (LCSD) R3124371-3 03/28/16 17:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCSD Qualifier	RPD %	RPD Limits %
Cyanide	48.4	69.6	64.8	144	134	50.0-150		7.00	20

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825236-02 03/28/16 17:07 • (MS) R3124371-5 03/28/16 17:08 • (MSD) R3124371-6 03/28/16 17:11

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	RPD %	RPD Limits %
Cyanide	3.33	ND	3.50	3.52	105	106	1	80.0-120		0.000	20



Method Blank (MB)

(MB) R3123921-1 03/25/16 17:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Uranium	U	0.0266	0.0266	2.50

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

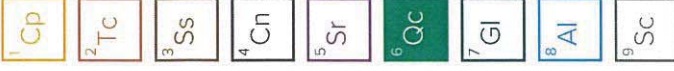
(LCS) R3123921-2 03/25/16 17:22 • (LCSD) R3123921-3 03/25/16 17:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	Rec. Limits %	LCSD Qualifier	RPD %	RPD Limits %
Uranium	100	107	105	107	80-120		2	20

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825239-06 03/25/16 17:26 • (MS) R3123921-5 03/25/16 17:31 • (MSD) R3123921-6 03/25/16 17:33

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Uranium	20.0	0.510	103	106	102	105	5	75-125			3	20



Method Blank (MB)

(MB) R3124469-3 03/28/16 19:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
2-Chloroethyl vinyl ether	U		0.00234	0.0500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100

Method Blank (MB)

(MB) R3124469-3 03/28/16 19:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Di-isopropyl ether	U		0.000248	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
(S) Toluene-d8	96.2			88.7-115
(S) Dibromofluoromethane	99.9			76.3-123
(S) 4-Bromofluorobenzene	100			69.7-129

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCS-D)

(LCS) R3124469-1 03/28/16 18:24 • (LCS-D) R3124469-2 03/28/16 18:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS-D Result mg/kg	LCS Rec. %	LCS-D Rec. %	Rec. Limits %	LCS Qualifier	LCS-D Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.175	0.169	140	135	25.3-178			3.75	22.9
Acrylonitrile	0.125	0.137	0.131	110	105	57.8-143			4.59	20
Bromobenzene	0.0250	0.0234	0.0230	93.4	91.8	80.3-115			1.74	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3124469-1 03/28/16 18:24 • (LCSD) R3124469-2 03/28/16 18:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	0.0250	0.0232	0.0225	92.7	89.9	75.3-119			3.02	20
Bromoform	0.0250	0.0235	0.0225	94.0	90.1	69.1-135			4.24	20
Bromomethane	0.0250	0.0341	0.0313	136	125	23.0-191			8.69	20
n-Butylbenzene	0.0250	0.0248	0.0254	99.3	102	74.2-134			2.40	20
sec-Butylbenzene	0.0250	0.0238	0.0232	95.0	92.9	77.8-129			2.22	20
tert-Butylbenzene	0.0250	0.0242	0.0234	96.9	93.5	77.2-129			3.61	20
Carbon tetrachloride	0.0250	0.0261	0.0253	104	101	69.4-129			2.91	20
Chlorobenzene	0.0250	0.0240	0.0231	95.9	92.5	78.9-122			3.60	20
Chlorodibromomethane	0.0250	0.0228	0.0222	91.1	89.0	76.4-126			2.38	20
Chloroethane	0.0250	0.0310	0.0269	124	108	47.2-147			14.3	20
2-Chloroethyl vinyl ether	0.125	0.139	0.129	111	103	16.7-162			7.80	23.7
Chloroform	0.0250	0.0247	0.0244	99.0	97.4	73.3-122			1.57	20
Chloromethane	0.0250	0.0288	0.0270	115	108	53.1-135			6.54	20
2-Chlorotoluene	0.0250	0.0235	0.0229	93.8	91.4	74.6-127			2.58	20
4-Chlorotoluene	0.0250	0.0226	0.0220	90.5	88.1	79.5-123			2.74	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0236	0.0238	94.5	95.1	64.9-131			0.630	20
1,2-Dibromoethane	0.0250	0.0242	0.0242	96.8	96.9	78.7-123			0.130	20
Dibromomethane	0.0250	0.0237	0.0233	94.6	93.2	78.5-117			1.56	20
1,2-Dichlorobenzene	0.0250	0.0236	0.0241	94.5	96.4	83.6-119			1.91	20
1,3-Dichlorobenzene	0.0250	0.0223	0.0223	89.4	89.4	75.9-129			0.000	20
1,4-Dichlorobenzene	0.0250	0.0235	0.0242	93.8	96.6	81.0-115			2.94	20
Dichlorodifluoromethane	0.0250	0.0350	0.0321	140	128	50.9-139	J4		8.63	20
1,1-Dichloroethane	0.0250	0.0261	0.0251	104	101	71.7-125			3.79	20
1,2-Dichloroethane	0.0250	0.0251	0.0248	101	99.3	67.2-121			1.18	20
1,1-Dichloroethene	0.0250	0.0237	0.0225	94.7	90.0	60.6-133			5.13	20
cis-1,2-Dichloroethene	0.0250	0.0251	0.0239	100	95.8	76.1-121			4.74	20
trans-1,2-Dichloroethene	0.0250	0.0254	0.0245	102	98.1	70.7-124			3.40	20
1,2-Dichloropropane	0.0250	0.0246	0.0247	98.6	98.7	76.9-123			0.140	20
1,1-Dichloropropene	0.0250	0.0254	0.0241	102	96.2	71.2-126			5.50	20
1,3-Dichloropropene	0.0250	0.0248	0.0246	99.4	98.3	80.3-114			1.07	20
cis-1,3-Dichloropropene	0.0250	0.0246	0.0243	98.4	97.3	77.3-123			1.11	20
trans-1,3-Dichloropropene	0.0250	0.0245	0.0244	98.0	97.6	73.0-127			0.470	20
2,2-Dichloropropane	0.0250	0.0235	0.0237	94.0	94.7	61.9-132			0.680	20
Di-isopropyl ether	0.0250	0.0266	0.0261	106	104	67.2-131			2.03	20
Hexachloro-1,3-butadiene	0.0250	0.0246	0.0256	98.3	103	69.2-136			4.27	20
Isopropylbenzene	0.0250	0.0238	0.0232	95.3	92.7	79.4-126			2.80	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3124469-1 03/28/16 18:24 • (LCSD) R3124469-2 03/28/16 18:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
p-Isopropyltoluene	0.0250	0.0231	0.0228	92.5	91.2	75.4-132			1.41	20
2-Butanone (MEK)	0.125	0.161	0.148	129	118	44.5-154			8.46	21.3
Methylene Chloride	0.0250	0.0260	0.0259	104	104	68.2-119			0.500	20
4-Methyl-2-pentanone (MIBK)	0.125	0.137	0.131	110	105	61.1-138			4.66	20
n-Propylbenzene	0.0250	0.0240	0.0234	96.0	93.7	80.2-124			2.43	20
Styrene	0.0250	0.0240	0.0231	95.8	92.4	79.4-124			3.64	20
1,1,2-Tetrachloroethane	0.0250	0.0239	0.0233	95.6	93.2	76.7-127			2.55	20
1,1,2,2-Tetrachloroethane	0.0250	0.0260	0.0257	104	103	78.8-124			1.20	20
Tetrachloroethene	0.0250	0.0245	0.0238	97.9	95.3	71.1-133			2.72	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0238	0.0215	95.3	85.9	62.6-138			10.3	20
1,2,3-Trichlorobenzene	0.0250	0.0229	0.0233	91.5	93.3	72.5-137			1.89	20
1,2,4-Trichlorobenzene	0.0250	0.0230	0.0235	92.0	94.1	74.0-137			2.24	20
1,1,1-Trichloroethane	0.0250	0.0246	0.0236	98.2	94.3	69.9-127			4.03	20
1,1,2-Trichloroethane	0.0250	0.0236	0.0233	94.5	93.2	81.9-119			1.37	20
Trichloroethene	0.0250	0.0242	0.0237	96.7	95.0	77.2-122			1.79	20
Trichlorofluoromethane	0.0250	0.0251	0.0237	100	94.8	51.5-151			5.81	20
1,2,3-Trichloropropane	0.0250	0.0236	0.0233	94.4	93.0	74.0-124			1.46	20
1,2,3-Trimethylbenzene	0.0250	0.0242	0.0247	96.8	98.9	79.4-118			2.17	20
1,2,4-Trimethylbenzene	0.0250	0.0224	0.0221	89.4	88.3	77.1-124			1.27	20
1,3,5-Trimethylbenzene	0.0250	0.0243	0.0236	97.4	94.6	79.0-125			2.91	20
Vinyl chloride	0.0250	0.0265	0.0256	106	102	58.4-134			3.41	20
(S) Toluene-d8				98.4	98.2	88.7-115				
(S) Dibromofluoromethane				102	100	76.3-123				
(S) 4-Bromofluorobenzene				96.5	96.7	69.7-129				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825247-02 03/28/16 21:33 • (MS) R3124469-4 03/28/16 20:18 • (MSD) R3124469-5 03/28/16 20:37

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0244	0.630	0.628	96.9	96.5	5	10.0-130			0.370	31.5
Acrylonitrile	0.125	ND	0.527	0.496	84.3	79.3	5	39.3-152			6.01	27.2
Bromobenzene	0.0250	ND	0.0922	0.0766	73.8	61.3	5	40.0-130			18.5	27.4
Bromodichloromethane	0.0250	ND	0.0911	0.0787	72.9	62.9	5	50.6-128			14.7	22.8
Bromoform	0.0250	ND	0.0861	0.0789	68.8	63.1	5	43.3-139			8.71	25.9
Bromomethane	0.0250	ND	0.0854	0.0969	68.3	77.5	5	5.00-189			12.6	26.7

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825247-02 03/28/16 21:33 • (MS) R3124469-4 03/28/16 20:18 • (MSD) R3124469-5 03/28/16 20:37

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.0250	ND	0.0964	0.0735	77.2	58.8	5	23.6-146			27.0	39.2
sec-Butylbenzene	0.0250	ND	0.0962	0.0735	77.0	58.8	5	31.0-142			26.7	34.7
tert-Butylbenzene	0.0250	ND	0.0988	0.0790	79.0	63.2	5	36.9-142			22.3	31.7
Carbon tetrachloride	0.0250	ND	0.100	0.0829	80.0	66.3	5	46.0-140			18.7	27.2
Chlorobenzene	0.0250	ND	0.0955	0.0785	76.4	62.8	5	44.1-134			19.6	25.7
Chlorodibromomethane	0.0250	ND	0.0888	0.0783	71.1	62.6	5	49.7-134			12.6	24
Chloroethane	0.0250	ND	0.0826	0.0877	66.1	70.2	5	5.00-164			6.06	28.4
2-Chloroethyl vinyl ether	0.125	ND	0.508	0.444	81.3	71.0	5	5.00-159			13.5	40
Chloroform	0.0250	ND	0.0989	0.0820	79.1	65.6	5	51.2-133			18.8	22.8
Chloromethane	0.0250	ND	0.0923	0.0739	73.8	59.2	5	31.4-141			22.0	24.6
2-Chlorotoluene	0.0250	ND	0.0956	0.0774	76.5	61.9	5	36.1-137			21.0	28.9
4-Chlorotoluene	0.0250	ND	0.0890	0.0733	71.2	58.7	5	35.4-137			19.3	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.0869	0.0827	69.5	66.2	5	40.4-138			4.95	30.8
1,2-Dibromoethane	0.0250	ND	0.0943	0.0841	75.4	67.3	5	50.2-133			11.4	23.6
Dibromomethane	0.0250	ND	0.0900	0.0798	72.0	63.9	5	52.4-128			12.0	23
1,2-Dichlorobenzene	0.0250	ND	0.0906	0.0767	72.5	61.3	5	34.6-139			16.7	29.9
1,3-Dichlorobenzene	0.0250	0.000207	0.0865	0.0708	69.1	56.5	5	28.4-142			20.0	31.2
1,4-Dichlorobenzene	0.0250	ND	0.0889	0.0753	71.2	60.3	5	35.0-133			16.6	31.1
Dichlorodifluoromethane	0.0250	ND	0.120	0.0918	95.7	73.5	5	31.2-144			26.3	30.2
1,1-Dichloroethane	0.0250	ND	0.101	0.0847	81.1	67.8	5	49.1-136			18.0	22.9
1,2-Dichloroethane	0.0250	ND	0.0958	0.0849	76.6	67.9	5	47.1-129			12.1	22.7
1,1-Dichloroethene	0.0250	ND	0.0824	0.0648	65.9	51.9	5	36.1-142			23.9	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.0964	0.0819	77.1	65.5	5	50.6-133			16.3	23
trans-1,2-Dichloroethene	0.0250	ND	0.0922	0.0753	73.8	60.2	5	43.8-135			20.2	24.8
1,2-Dichloropropane	0.0250	ND	0.0963	0.0835	77.0	66.8	5	50.3-134			14.2	22.7
1,1-Dichloropropene	0.0250	ND	0.100	0.0794	80.0	63.6	5	43.0-137			22.9	26.4
1,3-Dichloropropane	0.0250	ND	0.0959	0.0860	76.7	68.8	5	51.4-127			10.9	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.0963	0.0830	77.1	66.4	5	48.4-134			14.9	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.0943	0.0842	75.4	67.3	5	46.6-135			11.3	25.3
2,2-Dichloropropane	0.0250	ND	0.101	0.0868	81.1	69.5	5	45.2-141			15.5	26.6
Di-isopropyl ether	0.0250	ND	0.0978	0.0862	78.3	68.9	5	46.7-140			12.7	23.5
Hexachloro-1,3-butadiene	0.0250	ND	0.0912	0.0657	73.0	52.5	5	10.0-149			32.6	40
Isopropylbenzene	0.0250	ND	0.0962	0.0768	76.9	61.5	5	41.9-139			22.4	29.3
p-Isopropyltoluene	0.0250	ND	0.0949	0.0734	75.9	58.7	5	27.3-146			25.6	35.1
2-Butanone (MEK)	0.125	ND	0.553	0.513	88.5	82.1	5	23.9-170			7.50	28.3
Methylene Chloride	0.0250	0.00133	0.0945	0.0823	74.6	64.7	5	46.7-125			13.9	22.2

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825247-02 03/28/16 21:33 • (MS) R3124469-4 03/28/16 20:18 • (MSD) R3124469-5 03/28/16 20:37

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.502	0.464	80.4	5	42.4-146	74.2	74.2	7.99	26.7
n-Propylbenzene	0.0250	ND	0.0979	0.0760	78.3	5	35.2-139	60.8	60.8	25.2	31.9
Styrene	0.0250	ND	0.0933	0.0774	74.7	5	39.7-137	61.9	61.9	18.6	28.2
1,1,2-Tetrachloroethane	0.0250	ND	0.0940	0.0799	75.2	5	48.8-136	63.9	63.9	16.2	25.5
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0944	0.0874	75.5	5	45.7-140	69.9	69.9	7.68	26.4
Tetrachloroethene	0.0250	0.000597	0.0980	0.0736	77.9	5	37.7-140	58.4	58.4	28.4	29.2
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.0878	0.0664	70.2	5	35.7-146	53.2	53.2	27.7	28.8
1,2,3-Trichlorobenzene	0.0250	ND	0.0807	0.0706	64.6	5	10.0-150	56.5	56.5	13.3	38.5
1,2,4-Trichlorobenzene	0.0250	0.000358	0.0830	0.0709	66.1	5	49.0-138	56.4	56.4	15.8	39.3
1,1,1-Trichloroethane	0.0250	ND	0.103	0.0825	82.1	5	52.3-132	66.0	66.0	21.7	25.3
1,1,2-Trichloroethane	0.0250	ND	0.0920	0.0801	73.6	5	48.0-132	64.1	64.1	13.8	23.4
Trichloroethene	0.0250	ND	0.0985	0.0809	78.8	5	12.8-169	64.7	64.7	19.6	24.8
Trichlorofluoromethane	0.0250	ND	0.0912	0.0817	72.9	5	44.4-138	65.4	65.4	10.9	29.7
1,2,3-Trichloropropane	0.0250	ND	0.0932	0.0840	74.6	5	41.0-133	67.2	67.2	10.5	26.3
1,2,3-Trimethylbenzene	0.0250	0.000153	0.0944	0.0780	75.4	5	32.9-139	62.3	62.3	19.0	27.6
1,2,4-Trimethylbenzene	0.0250	0.000250	0.0894	0.0724	71.3	5	37.1-138	57.7	57.7	21.0	30.6
1,3,5-Trimethylbenzene	0.0250	0.000143	0.0963	0.0762	77.0	5	32.0-146	60.8	60.8	23.4	30.6
Vinyl chloride	0.0250	ND	0.0971	0.0754	77.6	5	88.7-115	60.3	60.3	25.1	26.3
(S) Toluene-d8					97.2			97.1	97.1		
(S) Dibromofluoromethane					103			105	105		
(S) 4-Bromofluorobenzene					97.7			96.2	96.2		

Method Blank (MB)

(MB) R3125362-1 03/31/16 13:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.00350	0.0170
PCB 1221	U		0.00537	0.0170
PCB 1232	U		0.00417	0.0170
PCB 1242	U		0.00318	0.0170
PCB 1248	U		0.00315	0.0170
PCB 1254	U		0.00472	0.0170
PCB 1260	U		0.00494	0.0170
(S) Decachlorobiphenyl	86.3			10.0-143
(S) Tetrachloro-m-xylene	88.0			29.2-144

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3125362-2 03/31/16 13:53 • (LCSD) R3125362-3 03/31/16 14:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.1667	0.147	0.149	88.4	89.2	46.5-120			0.880	27
PCB 1016	0.1667	0.132	0.129	78.9	77.3	46.3-117			2.08	27.5
(S) Decachlorobiphenyl				90.9	91.0	10.0-143				
(S) Tetrachloro-m-xylene				89.4	88.5	29.2-144				

Method Blank (MB)

(MB) R3125529-3 03/31/16 14:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00642	0.0330
Acenaphthylene	U		0.00671	0.0330
Anthracene	U		0.00632	0.0330
Benidine	U		0.0637	0.333
Benzo(a)anthracene	U		0.00428	0.0330
Benzo(b)fluoranthene	U		0.00695	0.0330
Benzo(k)fluoranthene	U		0.00582	0.0330
Benzo(g,h,i)perylene	U		0.00721	0.0330
Benzo(a)pyrene	U		0.00548	0.0330
Bis(2-chloroethoxy)methane	U		0.00770	0.333
Bis(2-chloroethyl)ether	U		0.00896	0.333
Bis(2-chloroisopropyl)ether	U		0.00760	0.333
4-Bromophenyl-phenylether	U		0.0114	0.333
2-Chloronaphthalene	U		0.00639	0.0330
4-Chlorophenyl-phenylether	U		0.00627	0.333
Chrysene	U		0.00555	0.0330
Dibenz(a,h)anthracene	U		0.00821	0.0330
3,3-Dichlorobenzidine	U		0.0794	0.333
2,4-Dinitrotoluene	U		0.00607	0.333
2,6-Dinitrotoluene	U		0.00737	0.333
Fluoranthene	U		0.00496	0.0330
Fluorene	U		0.00682	0.0330
Hexachlorobenzene	U		0.00856	0.333
Hexachloro-1,3-butadiene	U		0.0100	0.333
Hexachlorocyclopentadiene	U		0.0587	0.333
Hexachloroethane	U		0.0134	0.333
Indeno(1,2,3-cd)pyrene	U		0.00772	0.0330
Isophorone	U		0.00522	0.333
Nitrobenzene	U		0.00695	0.333
n-Nitrosodimethylamine	U		0.0647	0.333
n-Nitrosodiphenylamine	U		0.00594	0.333
n-Nitrosodi-n-propylamine	U		0.00906	0.333
Phenanthrene	U		0.00528	0.0330
Benzylbutyl phthalate	U		0.0103	0.333
Bis(2-ethylhexyl)phthalate	U		0.0120	0.333
Di-n-butyl phthalate	U		0.0109	0.333

Method Blank (MB)

(MB) R3125529-3 03/31/16 14:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.00691	0.333
Dimethyl phthalate	U		0.00540	0.333
Di-n-octyl phthalate	U		0.00907	0.333
Pyrene	U		0.0123	0.0330
1,2,4-Trichlorobenzene	U		0.00876	0.333
4-Chloro-3-methylphenol	U		0.00477	0.333
2-Chlorophenol	U		0.00831	0.333
2,4-Dichlorophenol	U		0.00746	0.333
2,4-Dimethylphenol	U		0.0471	0.333
4,6-Dinitro-2-methylphenol	U		0.124	0.333
2,4-Dinitrophenol	U		0.0980	0.333
2-Nitrophenol	U		0.0130	0.333
4-Nitrophenol	U		0.0525	0.333
Pentachlorophenol	U		0.0480	0.333
Phenol	U		0.00695	0.333
2,4,6-Trichlorophenol	U		0.00779	0.333
(S) Nitrobenzene-d5	62.4			21.9-129
(S) 2-Fluorobiphenyl	65.6			34.9-129
(S) p-Terphenyl-d14	72.5			21.5-128
(S) Phenol-d5	59.6			26.3-121
(S) 2-Fluorophenol	62.9			21.1-116
(S) 2,4,6-Tribromophenol	71.6			21.6-142

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3125529-1 03/31/16 13:50 • (LCSD) R3125529-2 03/31/16 14:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.667	0.488	0.554	73.2	83.0	48.9-107			12.5	20
Acenaphthylene	0.667	0.514	0.581	77.1	87.1	49.2-111			12.2	20
Anthracene	0.667	0.492	0.534	73.7	80.0	52.0-112			8.25	20
Benzidine	0.667	ND	ND	4.74	3.99	0.000-48.0			17.3	40
Benzo(a)anthracene	0.667	0.442	0.525	66.2	78.6	52.3-106			17.1	20
Benzo(b)fluoranthene	0.667	0.465	0.510	69.7	76.4	51.3-106			9.28	20
Benzo(k)fluoranthene	0.667	0.466	0.506	69.8	75.8	52.9-107			8.23	20
Benzo(g,h,i)perylene	0.667	0.518	0.587	77.6	88.0	45.8-108			12.5	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3125529-1 03/31/16 13:50 • (LCSD) R3125529-2 03/31/16 14:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(a)pyrene	0.667	0.468	0.519	70.2	77.9	51.9-106			10.4	20
Bis(2-chloroethoxy)methane	0.667	0.463	0.494	69.5	74.1	44.9-108			6.47	20
Bis(2-chloroethyl)ether	0.667	0.396	0.417	59.4	62.5	32.5-112			5.00	26
Bis(2-chloroisopropyl)ether	0.667	0.458	0.471	68.7	70.6	40.4-99.0			2.69	20.7
4-Bromophenyl-phenylether	0.667	0.518	0.587	77.6	88.0	51.4-110			12.5	20
2-Chloronaphthalene	0.667	0.482	0.532	72.3	79.8	47.1-105			9.96	20
4-Chlorophenyl-phenylether	0.667	0.507	0.566	75.9	84.9	48.1-108			11.1	20
Chrysene	0.667	0.452	0.524	67.8	78.5	54.4-110			14.6	20
Dibenz(a,h)anthracene	0.667	0.510	0.583	76.4	87.4	45.7-111			13.4	20
3,3-Dichlorobenzidine	0.667	0.479	0.561	71.9	84.2	21.0-101			15.8	22
2,4-Dinitrotoluene	0.667	0.530	0.586	79.4	87.9	53.0-112			10.1	20
2,6-Dinitrotoluene	0.667	0.499	0.571	74.8	85.6	51.6-110			13.5	20
Fluoranthene	0.667	0.484	0.518	72.6	77.7	53.7-110			6.79	20
Fluorene	0.667	0.491	0.552	73.7	82.7	51.1-109			11.6	20
Hexachlorobenzene	0.667	0.521	0.577	78.2	86.5	43.2-104			10.1	20.1
Hexachloro-1,3-butadiene	0.667	0.486	0.500	72.9	74.9	41.5-112			2.69	20
Hexachlorocyclopentadiene	0.667	0.578	0.637	86.6	95.5	13.5-123			9.80	20.7
Hexachloroethane	0.667	0.420	0.435	62.9	65.2	36.2-103			3.51	22.7
Indeno(1,2,3-cd)pyrene	0.667	0.516	0.586	77.3	87.8	47.5-109			12.8	20
Isophorone	0.667	0.485	0.522	72.7	78.3	28.8-104			7.51	20
Nitrobenzene	0.667	0.441	0.469	66.2	70.3	40.7-109			6.09	21
n-Nitrosodimethylamine	0.667	0.430	0.456	64.4	68.4	18.1-122			6.00	23.5
n-Nitrosodiphenylamine	0.667	0.456	0.509	68.4	76.4	48.8-107			11.0	20
n-Nitrosodi-n-propylamine	0.667	0.429	0.484	64.4	72.5	43.3-109			11.9	20
Phenanthrene	0.667	0.464	0.514	69.5	77.1	51.6-107			10.3	20
Benzylbutyl phthalate	0.667	0.451	0.524	67.6	78.5	47.5-115			15.0	20
Bis(2-ethylhexyl)phthalate	0.667	0.445	0.521	66.7	78.1	48.1-116			15.8	20.5
Di-n-butyl phthalate	0.667	0.485	0.532	72.7	79.8	49.7-113			9.39	20
Diethyl phthalate	0.667	0.518	0.569	77.6	85.3	52.0-112			9.43	20
Dimethyl phthalate	0.667	0.527	0.586	78.9	87.8	51.4-108			10.6	20
Di-n-octyl phthalate	0.667	0.441	0.527	66.2	79.1	49.6-112			17.8	22
Pyrene	0.667	0.438	0.514	65.7	77.0	47.1-108			15.8	20
1,2,4-Trichlorobenzene	0.667	0.481	0.496	72.1	74.4	39.8-100			3.24	20
4-Chloro-3-methylphenol	0.667	0.466	0.487	69.9	73.1	51.1-113			4.42	20
2-Chlorophenol	0.667	0.444	0.470	66.6	70.5	40.8-103			5.64	20
2,4-Dichlorophenol	0.667	0.485	0.512	72.6	76.8	46.2-109			5.51	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3125529-1 03/31/16 13:50 • (LCSD) R3125529-2 03/31/16 14:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,4-Dimethylphenol	0.667	0.423	0.454	63.4	68.0	42.2-110			7.01	20
4,6-Dinitro-2-methylphenol	0.667	0.392	0.478	58.7	71.6	23.1-119			19.8	23.7
2,4-Dinitrophenol	0.667	0.198	0.304	29.6	45.6	10.0-105	J3		42.5	36.5
2-Nitrophenol	0.667	0.490	0.508	73.5	76.2	44.2-113			3.61	20.9
4-Nitrophenol	0.667	0.461	0.541	69.2	81.2	34.8-109			16.0	20
Pentachlorophenol	0.667	0.452	0.548	67.7	82.2	16.2-102			19.3	22.9
Phenol	0.667	0.425	0.453	63.7	68.0	41.5-106			6.52	20
2,4,6-Trichlorophenol	0.667	0.510	0.562	76.5	84.2	44.4-108			9.57	20
(S) Nitrobenzene-d5			68.7	71.2	71.2	21.9-129				
(S) 2-Fluorobiphenyl			73.9	81.1	81.1	34.9-129				
(S) p-Terphenyl-d14			73.3	90.8	90.8	21.5-128				
(S) Phenol-d5			65.3	68.1	68.1	26.3-121				
(S) 2-Fluorophenol			69.6	70.1	70.1	21.1-116				
(S) 2,4,6-Tribromophenol			84.4	91.3	91.3	21.6-142				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825782-02 04/01/16 17:02 • (MS) R3125727-1 04/01/16 14:59 • (MSD) R3125727-2 04/01/16 15:23

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.667	ND	0.528	0.521	79.1	78.1	1	32.2-134			1.34	27.3
Acenaphthylene	0.667	ND	0.555	0.549	82.3	82.3	1	38.7-129			1.13	25.9
Anthracene	0.667	ND	0.494	0.523	74.0	78.4	1	32.3-137			5.69	28.4
Benztidine	0.667	ND	ND	ND	2.19	4.11	1	0.000-49.9		J3	61.1	40
Benzo(a)anthracene	0.667	ND	0.464	0.464	69.6	69.5	1	33.3-124			0.160	29
Benzo(b)fluoranthene	0.667	ND	0.515	0.516	77.2	77.3	1	23.3-133			0.210	30.3
Benzo(k)fluoranthene	0.667	ND	0.559	0.537	83.8	80.5	1	31.0-129			3.96	26.7
Benzo(g,h,i)perylene	0.667	ND	0.214	0.244	32.0	36.5	1	10.0-127			13.1	31.9
Benzo(a)pyrene	0.667	ND	0.479	0.490	71.8	73.5	1	28.2-128			2.25	28.4
Bis(2-chloroethoxy)methane	0.667	ND	0.495	0.484	74.2	72.6	1	35.0-132			2.10	26.1
Bis(2-chloroethyl)ether	0.667	ND	0.422	0.430	63.3	64.5	1	28.8-128			1.84	33.6
Bis(2-chloroisopropyl)ether	0.667	ND	0.495	0.483	74.1	72.4	1	31.8-118			2.42	31.7
4-Bromophenyl-phenylether	0.667	ND	0.528	0.544	79.1	81.5	1	39.0-130			3.00	26
2-Chloronaphthalene	0.667	ND	0.513	0.503	77.0	75.4	1	37.5-123			2.03	26.5
4-Chlorophenyl-phenylether	0.667	ND	0.551	0.539	82.6	80.9	1	37.9-123			2.09	25.9
Chrysene	0.667	ND	0.463	0.462	69.4	69.2	1	36.3-129			0.300	28

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825782-02 04/01/16 17:02 • (MS) R3125727-1 04/01/16 14:59 • (MSD) R3125727-2 04/01/16 15:23

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Dibenz(a,h)anthracene	0.667	ND	0.257	0.292	38.6	43.7	1	10.5-128			12.5	29.5
3,3-Dichlorobenzidine	0.667	ND	0.590	0.608	88.5	91.2	1	10.0-129			2.97	40
2,4-Dinitrotoluene	0.667	ND	0.625	0.612	93.7	91.7	1	27.8-147			2.16	29.7
2,6-Dinitrotoluene	0.667	ND	0.558	0.550	83.6	82.4	1	36.5-137			1.47	29.7
Fluoranthene	0.667	ND	0.501	0.536	75.1	80.4	1	27.9-138			6.74	26.9
Fluorene	0.667	ND	0.553	0.534	82.9	80.1	1	34.0-133			3.46	27.1
Hexachlorobenzene	0.667	ND	0.526	0.550	78.8	82.4	1	34.4-116			4.46	25.4
Hexachloro-1,3-butadiene	0.667	ND	0.500	0.515	75.0	77.3	1	36.5-125			2.95	29.7
Hexachlorocyclopentadiene	0.667	ND	0.357	0.381	53.5	57.2	1	10.0-124			6.55	37.5
Hexachloroethane	0.667	ND	0.438	0.454	65.6	68.0	1	11.3-143			3.62	31.9
Indeno(1,2,3-cd)pyrene	0.667	ND	0.260	0.295	39.0	44.3	1	10.0-128			12.8	31.5
Isophorone	0.667	ND	0.524	0.509	78.6	76.3	1	25.7-116			2.98	27.7
Nitrobenzene	0.667	ND	0.464	0.468	69.5	70.1	1	30.9-134			0.840	27.8
n-Nitrosodimethylamine	0.667	ND	0.427	0.431	64.0	64.6	1	19.2-127			0.860	32
n-Nitrosodiphenylamine	0.667	ND	0.467	0.488	70.0	73.1	1	26.8-133			4.36	25.9
n-Nitrosodi-n-propylamine	0.667	ND	0.500	0.487	74.9	73.0	1	33.0-134			2.62	28.2
Phenanthrene	0.667	ND	0.478	0.500	71.6	75.0	1	30.8-137			4.60	26.5
Benzylbutyl phthalate	0.667	ND	0.465	0.463	69.8	69.4	1	33.4-128			0.530	28.5
Bis(2-ethylhexyl)phthalate	0.667	ND	0.460	0.479	68.9	71.7	1	21.8-141			4.03	35.2
Di-n-butyl phthalate	0.667	ND	0.489	0.517	73.3	77.4	1	32.2-133			5.55	25.9
Diethyl phthalate	0.667	ND	0.611	0.584	91.6	87.6	1	39.4-136			4.46	25.5
Dimethyl phthalate	0.667	ND	0.573	0.556	85.9	83.3	1	35.8-137			3.06	25.4
Di-n-octyl phthalate	0.667	ND	0.447	0.464	67.0	69.6	1	28.5-128			3.84	32.5
Pyrene	0.667	ND	0.471	0.463	70.6	69.4	1	24.1-130			1.74	29.9
1,2,4-Trichlorobenzene	0.667	ND	0.505	0.514	75.7	77.0	1	36.5-114			1.67	28.4
4-Chloro-3-methylphenol	0.667	ND	0.534	0.516	80.0	77.4	1	27.0-154			3.32	26.6
2-Chlorophenol	0.667	ND	0.487	0.495	73.1	74.3	1	33.2-121			1.64	29.3
2,4-Dichlorophenol	0.667	ND	0.552	0.553	82.8	82.8	1	34.8-134			0.0900	27.3
2,4-Dimethylphenol	0.667	ND	0.497	0.489	74.6	73.4	1	12.3-149			1.59	32.3
4,6-Dinitro-2-methylphenol	0.667	ND	0.291	0.317	43.6	47.6	1	10.0-144			8.78	32.7
2,4-Dinitrophenol	0.667	ND	0.250	0.249	37.5	37.4	1	10.0-121			0.400	39.4
2-Nitrophenol	0.667	ND	0.536	0.524	80.4	78.5	1	29.5-144			2.30	29.9
4-Nitrophenol	0.667	ND	0.605	0.577	90.7	86.5	1	20.0-133			4.74	30.2
Pentachlorophenol	0.667	ND	0.639	0.658	95.9	98.7	1	10.0-139			2.89	28.3
Phenol	0.667	ND	0.473	0.462	71.0	69.3	1	25.1-130			2.33	29.6
2,4,6-Trichlorophenol	0.667	ND	0.593	0.575	88.9	86.1	1	33.8-133			3.14	28.1

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825782-02 04/01/16 17:02 • (MS) R3125727-1 04/01/16 14:59 • (MSD) R3125727-2 04/01/16 15:23

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Nitrobenzene-d5			72.1		72.1	72.1		21.9-129				
(S) 2-Fluorobiphenyl			76.0		76.0	74.2		34.9-129				
(S) p-Terphenyl-d14			84.6		84.6	81.2		21.5-128				
(S) Phenol-d5			70.1		70.1	70.7		26.3-121				
(S) 2-Fluorophenol			73.5		73.5	74.7		21.1-116				
(S) 2,4,6-Tribromophenol			92.2		92.2	95.7		21.6-142				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
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J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ AI⁹ Sc

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.
 * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

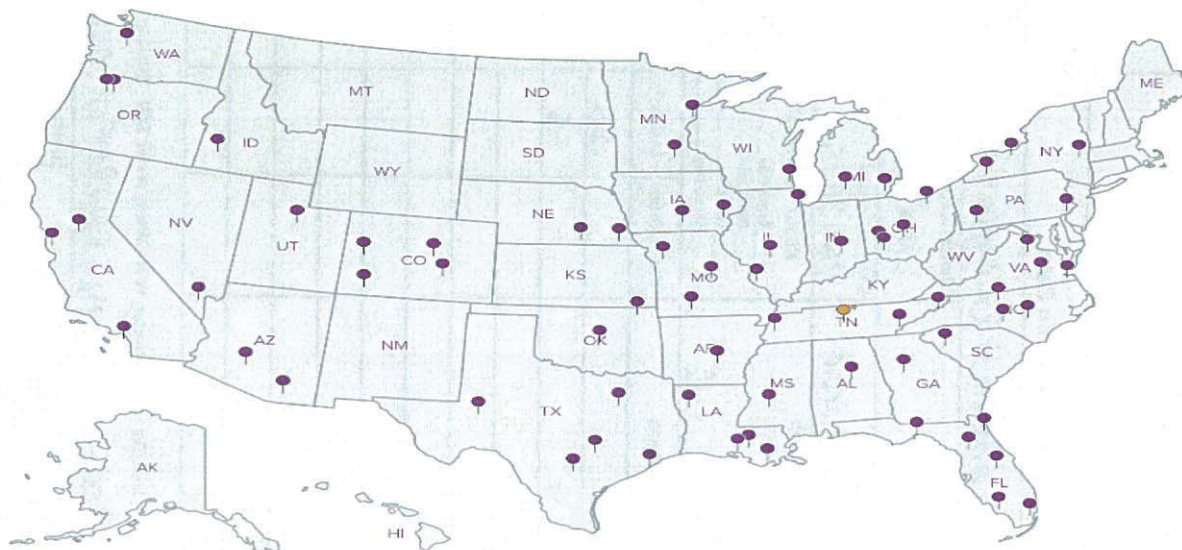
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



[illegible]

Case Narrative

Lab No: 20160282

This report contains the analytical results for the 2 sample(s) received under chain of custody by ESC Lab Sciences on 03/25/16 11:52:38. These samples are associated with your Landfarm 4 Background project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted below:

The test results in this report meet all NELAC requirements unless noted below:

This report shall not be reproduced, except in full, without the written approval of ESC Lab Sciences.

All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client.

Results have been reviewed by the Director of Radiochemistry or their designees and is approved for release.

Observations / Nonconformances

The following QC parameters are outside method control limits: Bi-214 SDG GS1616



Client : Envirotech
 Client Project : Landfarm 4 Background
 Lab Number : 20160282
 Date Reported : 04/13/16
 Date Received : 03/25/16
 Page Number : 2 of 3

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
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Lab ID : 20160282-01
 Client ID : Area 3
 Date Sampled : 03/22/16 12:09:00
 Matrix : SCM

Radiochemical Analyses

K-40	DOE Ga-01-R*	21.5 +/- 1.93	0.762	pCi/g	03/29/16	04/12/16	RE
Cs-137	DOE Ga-01-R*	-0.010 +/- 0.035	0.059	pCi/g	03/29/16	04/12/16	RE
Tl-208	DOE Ga-01-R*	0.449 +/- 0.089	0.150	pCi/g	03/29/16	04/12/16	RE
Bi-212	DOE Ga-01-R*	0.344 +/- 0.283	0.457	pCi/g	03/29/16	04/12/16	RE
Pb-212	DOE Ga-01-R*	1.22 +/- 0.173	0.177	pCi/g	03/29/16	04/12/16	RE
Bi-214	DOE Ga-01-R*	0.803 +/- 0.126	0.203	pCi/g	03/29/16	04/12/16	RE
Pb-214	DOE Ga-01-R*	0.698 +/- 0.086	0.131	pCi/g	03/29/16	04/12/16	RE
Ra-226	DOE Ga-01-R*	1.63 +/- 1.10	1.79	pCi/g	03/29/16	04/12/16	RE
Ra-228	DOE Ga-01-R*	0.814 +/- 0.163	0.289	pCi/g	03/29/16	04/12/16	RE
U-238	DOE Ga-01-R*	1.15 +/- 0.267	0.632	pCi/g	03/29/16	04/12/16	RE
U-235	DOE Ga-01-R*	0.098 +/- 0.067	0.108	pCi/g	03/29/16	04/12/16	RE

Lab ID : 20160282-02
 Client ID : Area 4
 Date Sampled : 03/22/16 15:03:00
 Matrix : SCM

Radiochemical Analyses

K-40	DOE Ga-01-R*	19.3 +/- 1.62	0.725	pCi/g	03/29/16	04/08/16	RE
Tl-208	DOE Ga-01-R*	0.429 +/- 0.050	0.044	pCi/g	03/29/16	04/08/16	RE
Bi-212	DOE Ga-01-R*	0.874 +/- 0.254	0.371	pCi/g	03/29/16	04/08/16	RE
Pb-212	DOE Ga-01-R*	2.13 +/- 0.511	0.133	pCi/g	03/29/16	04/08/16	RE
Bi-214	DOE Ga-01-R*	0.899 +/- 0.094	0.130	pCi/g	03/29/16	04/08/16	RE
Pb-214	DOE Ga-01-R*	1.14 +/- 0.142	0.094	pCi/g	03/29/16	04/08/16	RE
Ra-226	DOE Ga-01-R*	1.89 +/- 3.46	1.39	pCi/g	03/29/16	04/08/16	RE
Ra-228	DOE Ga-01-R*	1.33 +/- 0.111	0.154	pCi/g	03/29/16	04/08/16	RE
U-238	DOE Ga-01-R*	2.11 +/- 0.456	0.681	pCi/g	03/29/16	04/08/16	RE
U-235	DOE Ga-01-R*	0.056 +/- 0.196	0.084	pCi/g	03/29/16	04/08/16	RE

Client : Envirotech
 Client Project : Landfarm 4 Background
 Lab Number : 20160282
 Date Reported : 04/13/16
 Date Received : 03/25/16
 Page Number : 3 of 3

QC Report

Parameter	Blank	LCS %REC	LCSD %REC	RPD	DUP RPD	RER, NAD or DER	MS %REC	MSD %REC	RPD	Date
Am-241		99.3	112.0	11.8						04/08/16
Bi-212	0.005				NC	0.422				04/08/16
Bi-214	0.014				71.7	3.040				04/08/16
Co-60		88.7	107.0	19.0						04/08/16
Cs-137	-0.002	95.8	107.0	10.9	NC	0.476				04/08/16
K-40	0.220				13.4	1.090				04/08/16
Pb-212	0.306				18.8	0.696				04/08/16
Pb-214	0.028				20.4	1.180				04/08/16
Ra-226	0.917				NC	0.900				04/08/16
Ra-228	-0.044				9.3	0.390				04/08/16
Tl-208	0.006				69.7	2.430				04/08/16
U-235	0.049				NC	0.493				04/08/16
U-238	0.934				NC	0.094				04/08/16

Lab Approval: _____



Company Name/Address: Envirotech Inc. -NM 5798 US Highway 64 Farmington, NM 87401		Billing Information: Accounts Payable 5798 US Highway 64 Farmington, NM 87401		Chain of Custody ESCO L.A.M. S.C.I.E.N.C.E.S. 5722 D. AD. OF. ST. 50005 Lubbock, TX 79712 Phone: 817-798-0000 Fax: 817-798-0000	
Report to: Lynn Cook & Tim Cain		Email To: Lynn Cook & Tim Cain		Project: Landfarm 4 Background	
Phone: Fax:		Client Project # Landfarm OH		City/State Collect:	
Collected by (print): S. Leon / I. Garcia		Site/Facility ID # P60306A		P.O. # 143305	
Collected by (signature): Packed on ice N ☒ Y ☒		Flash? (Lab MUST Be Notified) ☐ Same Day ☐ Next Day ☐ Two Day ☐ Three Day		Data Results Needed 143305	
Sample ID Area 3		Comp/Grab SS		Date 03/24/14	
Sample ID Area 4		Comp/Grab SS		Date 03/24/14	
Time 12:09		Time 15:03		No. of Cuts 3	
Time 12:09		Time 15:03		No. of Cuts 3	

Matrix: SS - Soil GW - Groundwater WW - Wastewater DW - Drinking Water OT - Other		Matrix: SS - Soil GW - Groundwater WW - Wastewater DW - Drinking Water OT - Other		Matrix: SS - Soil GW - Groundwater WW - Wastewater DW - Drinking Water OT - Other	
Remarks: Please ref quotes ENVROFNM 031116S + ENVROFNM 031116L (attached)		Remarks: Please ref quotes ENVROFNM 031116S + ENVROFNM 031116L (attached)		Remarks: Please ref quotes ENVROFNM 031116S + ENVROFNM 031116L (attached)	
Relinquished by (Signature): [Signature]		Relinquished by (Signature): [Signature]		Relinquished by (Signature): [Signature]	
Date: 03/23/14		Date: 03/23/14		Date: 03/23/14	
Time: 11:20		Time: 11:20		Time: 11:20	
Received by (Signature): [Signature]		Received by (Signature): [Signature]		Received by (Signature): [Signature]	
Date: 03/23/14		Date: 03/23/14		Date: 03/23/14	
Time: 11:20		Time: 11:20		Time: 11:20	
Received by (Signature): [Signature]		Received by (Signature): [Signature]		Received by (Signature): [Signature]	
Date: 03/23/14		Date: 03/23/14		Date: 03/23/14	
Time: 11:20		Time: 11:20		Time: 11:20	

Sub-Contract Chain of Custody

Environmental Science Corp
12065 Lebanon Road
Mt. Juliet, TN 37122
(615) 773-9756 (615) 758-5859 fax

Page 51 of 51

Sub-Contract Lab : ORLBAOK
City / State : Broken Arrow, OK
Results Needed by : 5/6/16
ESC Purchase Order # : S23466

Send Reports To : Janice Cozby jcozby@esclabsciences.com

WORKGROUP WG859069
Date Created : 3/24/16

SAMPLENO Container #	MATRIX	Date / Time Collected	PARAMETER	Code	METHOD	Comments
L825249-01	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
20147950						
L825249-01	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
20147950						
L825249-01	SS		Radium-228 ORL-RA-228		9320	
L825249-02	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
20147951						
L825249-02	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
20147951						
L825249-02	SS		Radium-228 ORL-RA-228		9320	

Relinquished by 1924 Date: 032416
Received by : _____ Date: _____
Relinquished by _____ Date: _____
Received by : _____ Date: _____



Case Narrative

Lab No: 20160282

This report contains the analytical results for the 2 sample(s) received under chain of custody by ESC Lab Sciences on 3/25/2016 11:52:38 AM. These samples are associated with your Landfarm 4 Background project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted below:

The test results in this report meet all NELAC requirements unless noted below:

This report shall not be reproduced, except in full, without the written approval of ESC Lab Sciences.

All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client.

Results have been reviewed by the Director of Radiochemistry or their designees and is approved for release.

DL for Radiochemistry = MDA

DL for Metals and Wet Chemistry = MDL

DL for Drinking Water = SDWA

Observations / Nonconformances

The following QC parameters are outside method control limits: Bi-214 SDG GS1616
Per customer's request, combined radium was added on 05/04/2017.



Client : Envirotech
 Client Project : Landfarm 4 Background
 Lab Number : 20160282
 Date Reported : 05/04/17
 Date Received : 03/25/16
 Page Number : 2 of 3

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
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Lab ID : 20160282-01
Client ID : Area 3
Date Sampled : 3/22/2016 12:09:00 PM
Matrix : SCM

Radiochemical Analyses

Combined Radium		2.44 +/- 1.26	2.08	pCi/g			
K-40	DOE Ga-01-R*	21.5 +/- 1.93	0.762	pCi/g	03/29/16	04/12/16	RE
Cs-137	DOE Ga-01-R*	-0.010 +/- 0.035	0.059	pCi/g	03/29/16	04/12/16	RE
Tl-208	DOE Ga-01-R*	0.449 +/- 0.089	0.150	pCi/g	03/29/16	04/12/16	RE
Bi-212	DOE Ga-01-R*	0.344 +/- 0.283	0.457	pCi/g	03/29/16	04/12/16	RE
Pb-212	DOE Ga-01-R*	1.22 +/- 0.173	0.177	pCi/g	03/29/16	04/12/16	RE
Bi-214	DOE Ga-01-R*	0.803 +/- 0.126	0.203	pCi/g	03/29/16	04/12/16	RE
Pb-214	DOE Ga-01-R*	0.698 +/- 0.086	0.131	pCi/g	03/29/16	04/12/16	RE
Ra-226	DOE Ga-01-R*	1.63 +/- 1.10	1.79	pCi/g	03/29/16	04/12/16	RE
Ra-228	DOE Ga-01-R*	0.814 +/- 0.163	0.289	pCi/g	03/29/16	04/12/16	RE
U-238	DOE Ga-01-R*	1.15 +/- 0.267	0.632	pCi/g	03/29/16	04/12/16	RE
U-235	DOE Ga-01-R*	0.098 +/- 0.067	0.108	pCi/g	03/29/16	04/12/16	RE

Lab ID : 20160282-02
Client ID : Area 4
Date Sampled : 3/22/2016 3:03:00 PM
Matrix : SCM

Radiochemical Analyses

Combined Radium		3.22 +/- 3.57	1.54	pCi/g			
K-40	DOE Ga-01-R*	19.3 +/- 1.62	0.725	pCi/g	03/29/16	04/08/16	RE
Tl-208	DOE Ga-01-R*	0.429 +/- 0.050	0.044	pCi/g	03/29/16	04/08/16	RE
Bi-212	DOE Ga-01-R*	0.874 +/- 0.254	0.371	pCi/g	03/29/16	04/08/16	RE
Pb-212	DOE Ga-01-R*	2.13 +/- 0.511	0.133	pCi/g	03/29/16	04/08/16	RE
Bi-214	DOE Ga-01-R*	0.899 +/- 0.094	0.130	pCi/g	03/29/16	04/08/16	RE
Pb-214	DOE Ga-01-R*	1.14 +/- 0.142	0.094	pCi/g	03/29/16	04/08/16	RE
Ra-226	DOE Ga-01-R*	1.89 +/- 3.46	1.39	pCi/g	03/29/16	04/08/16	RE
Ra-228	DOE Ga-01-R*	1.33 +/- 0.111	0.154	pCi/g	03/29/16	04/08/16	RE
U-238	DOE Ga-01-R*	2.11 +/- 0.456	0.681	pCi/g	03/29/16	04/08/16	RE
U-235	DOE Ga-01-R*	0.056 +/- 0.196	0.084	pCi/g	03/29/16	04/08/16	RE



Client : Envirotech
Client Project : Landfarm 4 Background
Lab Number : 20160282
Date Reported : 05/04/17
Date Received : 03/25/16
Page Number : 3 of 3

QC Report

Parameter	Blank	LCS %REC	LCSD %REC	RPD	DUP RPD	RER, NAD or DER	MS %REC	MSD %REC	RPD	Batch ID
Am-241		99.3	112.0	11.8						
Bi-212	0.005				NC	0.422				
Bi-214	0.014				71.7	3.040				
Co-60		88.7	107.0	19.0						
Cs-137	-0.002	95.8	107.0	10.9	NC	0.476				
K-40	0.220				13.4	1.090				
Pb-212	0.306				18.8	0.696				
Pb-214	0.028				20.4	1.180				
Ra-226	0.917				NC	0.900				
Ra-228	-0.044				9.3	0.390	114.0	95.7	17.0	
Tl-208	0.006				69.7	2.430				
U-235	0.049				NC	0.493				
U-238	0.934				NC	0.094				

Lab Approval:

Ron Eidson
Director of Radiochemistry

[illegible]

Sub-Contract Chain of Custody



Environmental Science Corp

12065 Lebanon Road

Mt. Juliet, TN 37122

(615) 773-9756 (615) 758-5859 fax

Sub-Contract Lab : ORLBAOK

City / State : Broken Arrow, OK

Results Needed by : 5/6/16

ESC Purchase Order # : S23466

Send Reports To : Janice Cozby jcozby@esclabsciences.com

WORKGROUP

WG859069

Date Created :

3/24/16

SAMPLENO Container #	MATRIX	Date / Time Collected	PARAMETER	Code	METHOD	Comments
L825249-01	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
20147950						
L825249-01	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
20147950						
L825249-01	SS		Radium-228 ORL-RA-228		9320	
L825249-02	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
20147951						
L825249-02	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
20147951						
L825249-02	SS		Radium-228 ORL-RA-228		9320	

Relinquished by Y 92 Date: 032416

Received by : _____ Date: _____

Relinquished by _____ Date: _____

Received by : _____ Date: _____



Case Narrative

Lab No: 20160289

This report contains the analytical results for the 3 sample(s) received under chain of custody by ESC Lab Sciences on 3/29/2016 12:28:24 PM. These samples are associated with your Landfarm 4 Background project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted below:

The test results in this report meet all NELAC requirements unless noted below:

This report shall not be reproduced, except in full, without the written approval of ESC Lab Sciences.

All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client.

Results have been reviewed by the Director of Radiochemistry or their designees and is approved for release.

DL for Radiochemistry = MDA

DL for Metals and Wet Chemistry = MDL

DL for Drinking Water = SDWA

Observations / Nonconformances

Per customer's request, combined radium was added on 05/04/2017.



Client : Envirotech
 Client Project : Landfarm 4 Background
 Lab Number : 20160289
 Date Reported : 05/04/17
 Date Received : 03/29/16
 Page Number : 2 of 4

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
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Lab ID : 20160289-01
Client ID : Area #5
Date Sampled : 3/24/2016 11:42:00 AM
Matrix : SCM

Radiochemical Analyses

Combined Radium		1.65 +/- 0.703	1.11	pCi/g			
K-40	DOE Ga-01-R*	22.7 +/- 1.85	0.795	pCi/g	03/30/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.563 +/- 0.050	0.084	pCi/g	03/30/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.494 +/- 0.085	0.249	pCi/g	03/30/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	0.810 +/- 0.080	0.062	pCi/g	03/30/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.795 +/- 0.104	0.164	pCi/g	03/30/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	0.692 +/- 0.057	0.060	pCi/g	03/30/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	0.765 +/- 0.615	0.979	pCi/g	03/30/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	0.883 +/- 0.088	0.134	pCi/g	03/30/16	04/14/16	RE
U-238	DOE Ga-01-R*	1.110 +/- 0.263	0.600	pCi/g	03/30/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.081 +/- 0.037	0.059	pCi/g	03/30/16	04/14/16	RE

Lab ID : 20160289-02
Client ID : Area #6
Date Sampled : 3/24/2016 2:32:00 PM
Matrix : SCM

Radiochemical Analyses

Combined Radium		2.51 +/- 3.59	2.39	pCi/g			
K-40	DOE Ga-01-R*	17.3 +/- 1.66	0.797	pCi/g	03/30/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.348 +/- 0.065	0.090	pCi/g	03/30/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.547 +/- 0.309	0.483	pCi/g	03/30/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	1.95 +/- 0.441	0.309	pCi/g	03/30/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.603 +/- 0.105	0.164	pCi/g	03/30/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	0.870 +/- 0.131	0.205	pCi/g	03/30/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	1.44 +/- 3.45	2.17	pCi/g	03/30/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	1.07 +/- 0.144	0.216	pCi/g	03/30/16	04/14/16	RE
U-238	DOE Ga-01-R*	1.11 +/- 0.316	0.593	pCi/g	03/30/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.038 +/- 0.191	0.132	pCi/g	03/30/16	04/14/16	RE



Client : Envirotech
 Client Project : Landfarm 4 Background
 Lab Number : 20160289
 Date Reported : 05/04/17
 Date Received : 03/29/16
 Page Number : 3 of 4

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
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Lab ID : 20160289-03
Client ID : Area #7
Date Sampled : 3/24/2016 4:05:00 PM
Matrix : SCM

Radiochemical Analyses

Combined Radium		1.26 +/- 0.941	1.64	pCi/g			
K-40	DOE Ga-01-R*	19.3 +/- 1.64	0.722	pCi/g	03/30/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.405 +/- 0.079	0.149	pCi/g	03/30/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.395 +/- 0.196	0.488	pCi/g	03/30/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	0.717 +/- 0.093	0.166	pCi/g	03/30/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.679 +/- 0.085	0.184	pCi/g	03/30/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	0.502 +/- 0.068	0.186	pCi/g	03/30/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	0.537 +/- 0.852	1.43	pCi/g	03/30/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	0.726 +/- 0.089	0.208	pCi/g	03/30/16	04/14/16	RE
U-238	DOE Ga-01-R*	1.17 +/- 0.828	1.39	pCi/g	03/30/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.057 +/- 0.039	0.087	pCi/g	03/30/16	04/14/16	RE



Client : Envirotech
Client Project : Landfarm 4 Background
Lab Number : 20160289
Date Reported : 05/04/17
Date Received : 03/29/16
Page Number : 4 of 4

QC Report

Parameter	Blank	LCS %REC	LCSD %REC	RPD	DUP RPD	RER, NAD or DER	MS %REC	MSD %REC	RPD	Batch ID
Am-241		103.0	100.2	2.4						
Bi-212	0.152				NC	0.005				
Bi-214	0.048				21.7	0.308				
Co-60		96.2	96.2	0.0						
Cs-137		97.0	97.7	0.6						
K-40	-0.356				14.5	0.375				
Pb-212	0.094				61.5	0.450				
Pb-214	0.015				17.3	0.932				
Ra-226	0.234				NC	0.093				
Ra-228	0.011				14.3	0.278				
Tl-208	0.086				27.2	0.375				
U-235	0.014				NC	0.273				
U-238	0.141				NC	0.195				

Lab Approval:

Ron Eidson
Director of Radiochemistry

Sub-Contract Chain of Custody



Environmental Science Corp
12065 Lebanon Road
Mt. Juliet, TN 37122
(615) 773-9756 (615) 758-5859 fax

Sub-Contract Lab : ORLBAOK
City / State : Broken Arrow, OK
Results Needed by : 5/3/16
ESC Purchase Order # : S23481

Send Reports To : Janice Cozby jcozby@esclabsciences.com

WORKGROUP **WG859817**
Date Created : **3/28/16**

SAMPLENO Container #	MATRIX	Date / Time Collected	PARAMETER Code	METHOD	Comments
L825960-01	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL	DOE Ga-01-R/9	
20162757					
L825960-01	SS		Radium-226 ORL-RA-226	SM7500Ra B M	
20162757					
L825960-01	SS		Radium-228 ORL-RA-228	9320	
L825960-02	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL	DOE Ga-01-R/9	
20162758					
L825960-02	SS		Radium-226 ORL-RA-226	SM7500Ra B M	
20162758					
L825960-02	SS		Radium-228 ORL-RA-228	9320	
L825960-03	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL	DOE Ga-01-R/9	
20162759					
L825960-03	SS		Radium-226 ORL-RA-226	SM7500Ra B M	
20162759					
L825960-03	SS		Radium-228 ORL-RA-228	9320	

Relinquished by Janice Cozby Date: 03/28/16
Received by: [Signature] Date: 3/29/16
Relinquished by _____ Date: _____
Received by: _____ Date: _____



Company Name/Address: Envirotech Inc. -NM 5796 US Highway 84 Farmington, NM 87401		Billing Information: Accounts Payable 5796 US Highway 84 Farmington, NM 87401		Chain of Custody Page <u>1</u> of <u>1</u>  L.A.B. S.C.I.E.N.C.E.S. 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-8888 Fax: 615-758-5859	
Report to: Lynn Cook & Tim Cain		Email To: Lynn Cook & Tim Cain		Analysis / Sampling / Preservation Do not report benzene, toluene, ethylbenzene, total xylene, naphthalene, 1-methyl naphthalene or 2-methyl naphthalene in 8210 or 8270	
Project Description: Landfarm 4 Back ground		City/State Collected: Landfarm		Lab Project # 143305	
Phone: (505) 632-0615		Client Project # Landfarm		P.O. # 143305	
Fax: 632-0615		Site/Facility ID # P603085		Date Results Needed 143305	
Collected by (print): J. Garcia		Rush? (Lab MUST Be Notified) Same Day _____ Next Day _____ Two Day _____ Three Day _____		Emp? No Yes FAX? No Yes	
Collected by (signature): [Signature]		Depth 200% 100% 50% 25%		No. of Cnters 3	
Immediately Packed on ice N <u>Y</u>		Sample ID Area #5 Area #6 Area #7		Date 3/24/16 3/24/16 3/24/16	
Comp/Grab SS SS SS		Matrix SS SS SS		Time 1142 1432 1605	
Acctnum: Template: Prelogin: TSR: PB:		Shipped Via: Item/Container Sample # (lab only)		Hold # 6309 3739 2217	
Remarks: Please ref. quotes ENVIROFN031115 & ENVIROFN031115		Time: 3/25/16 1200		Condition: (lab use only)	
Relinquished by: (Signature) [Signature]		Date: 3/25/16		Condition: (lab use only)	
Relinquished by: (Signature) [Signature]		Date: 3/25/16		Condition: (lab use only)	
Relinquished by: (Signature) [Signature]		Date: 3/25/16		Condition: (lab use only)	

SAMPLE LOGIN

Date Received: 03/29/16 12:28:24

Lab Number: 20160289

Due: 04/26/16

Sample Number	Client Sample ID	Matrix	Date Sampled	Container Type	Container Size	Preservation	Preserved Upon Receipt	Custody Seal	Seal Intact
20160289-01 B	Area #5	SCM	03/24/16	Plastic	Med Petri 95	None	☐	No	No
20160289-01 A	Area #5	SCM	03/24/16	Glass	4 oz	None	☐	Yes	Yes
Gamma Spec (NORM)									
20160289-02 B	Area #6	SCM	03/24/16	Plastic	Med Petri 95	None	☐	No	No
20160289-02 A	Area #6	SCM	03/24/16	Glass	4 oz	None	☐	Yes	Yes
Gamma Spec (NORM)									
20160289-03 B	Area #7	SCM	03/24/16	Plastic	Med Petri 95	None	☐	No	No
20160289-03 A	Area #7	SCM	03/24/16	Glass	4 oz	None	☐	Yes	Yes
Gamma Spec (NORM)									

CONTAINER INSPECTION

Coolers Box Custody Seals Broken

Temperature: CNA Ice

Radiation Survey: <300 cpm

SAMPLE INSPECTION

Sample Seal Broken No

Chain of Custody Record ☒

Labels in Tact ☒

Radiation Survey Complete ☒

Anomalies (Label L825960-03 on sample container with "Area #5" with "Area #6" with "Area #7" -

L300 Model 12 8/19/15 88002

Inspected By: [Signature]

DATE 3-29-16

QA or Designee Review: Raymond Thoden

DATE 03/29/16

Sample Custodian Review: _____

DATE _____

Project Notes:

Case Narrative

Lab No: 20160289

This report contains the analytical results for the 3 sample(s) received under chain of custody by ESC Lab Sciences on 3/29/2016 12:28:24 PM. These samples are associated with your Landfarm 4 Background project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted below:

The test results in this report meet all NELAC requirements unless noted below:

This report shall not be reproduced, except in full, without the written approval of ESC Lab Sciences.

All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client.

Results have been reviewed by the Director of Radiochemistry or their designees and is approved for release.

DL for Radiochemistry = MDA

DL for Metals and Wet Chemistry = MDL

DL for Drinking Water = SDWA

Observations / Nonconformances

Per customer's request, combined radium was added on 05/04/2017.



Client : Envirotech
Client Project : Landfarm 4 Background
Lab Number : 20160289
Date Reported : 05/04/17
Date Received : 03/29/16
Page Number : 2 of 4

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
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Lab ID : 20160289-01

Client ID : Area #5

Date Sampled : 3/24/2016 11:42:00 AM

Matrix : SCM

Radiochemical Analyses

Combined Radium		1.65 +/- 0.703	1.11	pCi/g			
K-40	DOE Ga-01-R*	22.7 +/- 1.85	0.795	pCi/g	03/30/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.563 +/- 0.050	0.084	pCi/g	03/30/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.494 +/- 0.085	0.249	pCi/g	03/30/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	0.810 +/- 0.080	0.062	pCi/g	03/30/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.795 +/- 0.104	0.164	pCi/g	03/30/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	0.692 +/- 0.057	0.060	pCi/g	03/30/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	0.765 +/- 0.615	0.979	pCi/g	03/30/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	0.883 +/- 0.088	0.134	pCi/g	03/30/16	04/14/16	RE
U-238	DOE Ga-01-R*	1.110 +/- 0.263	0.600	pCi/g	03/30/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.081 +/- 0.037	0.059	pCi/g	03/30/16	04/14/16	RE

Lab ID : 20160289-02

Client ID : Area #6

Date Sampled : 3/24/2016 2:32:00 PM

Matrix : SCM

Radiochemical Analyses

Combined Radium		2.51 +/- 3.59	2.39	pCi/g			
K-40	DOE Ga-01-R*	17.3 +/- 1.66	0.797	pCi/g	03/30/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.348 +/- 0.065	0.090	pCi/g	03/30/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.547 +/- 0.309	0.483	pCi/g	03/30/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	1.95 +/- 0.441	0.309	pCi/g	03/30/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.603 +/- 0.105	0.164	pCi/g	03/30/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	0.870 +/- 0.131	0.205	pCi/g	03/30/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	1.44 +/- 3.45	2.17	pCi/g	03/30/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	1.07 +/- 0.144	0.216	pCi/g	03/30/16	04/14/16	RE
U-238	DOE Ga-01-R*	1.11 +/- 0.316	0.593	pCi/g	03/30/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.038 +/- 0.191	0.132	pCi/g	03/30/16	04/14/16	RE



Client : Envirotech
 Client Project : Landfarm 4 Background
 Lab Number : 20160289
 Date Reported : 05/04/17
 Date Received : 03/29/16
 Page Number : 3 of 4

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
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Lab ID : 20160289-03

Client ID : Area #7

Date Sampled : 3/24/2016 4:05:00 PM

Matrix : SCM

Radiochemical Analyses

Combined Radium		1.26 +/- 0.941	1.64	pCi/g			
K-40	DOE Ga-01-R*	19.3 +/- 1.64	0.722	pCi/g	03/30/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.405 +/- 0.079	0.149	pCi/g	03/30/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.395 +/- 0.196	0.488	pCi/g	03/30/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	0.717 +/- 0.093	0.166	pCi/g	03/30/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.679 +/- 0.085	0.184	pCi/g	03/30/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	0.502 +/- 0.068	0.186	pCi/g	03/30/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	0.537 +/- 0.852	1.43	pCi/g	03/30/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	0.726 +/- 0.089	0.208	pCi/g	03/30/16	04/14/16	RE
U-238	DOE Ga-01-R*	1.17 +/- 0.828	1.39	pCi/g	03/30/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.057 +/- 0.039	0.087	pCi/g	03/30/16	04/14/16	RE



Client : Envirotech
Client Project : Landfarm 4 Background
Lab Number : 20160289
Date Reported : 05/04/17
Date Received : 03/29/16
Page Number : 4 of 4

QC Report

Parameter	Blank	LCS %REC	LCSD %REC	RPD	DUP RPD	RER, NAD or DER	MS %REC	MSD %REC	RPD	Batch ID
Am-241		103.0	100.2	2.4						
Bi-212	0.152				NC	0.005				
Bi-214	0.048				21.7	0.308				
Co-60		96.2	96.2	0.0						
Cs-137		97.0	97.7	0.6						
K-40	-0.356				14.5	0.375				
Pb-212	0.094				61.5	0.450				
Pb-214	0.015				17.3	0.932				
Ra-226	0.234				NC	0.093				
Ra-228	0.011				14.3	0.278				
Tl-208	0.086				27.2	0.375				
U-235	0.014				NC	0.273				
U-238	0.141				NC	0.195				

Lab Approval:

Ron Eidson
Director of Radiochemistry

Sub-Contract Chain of Custody



Environmental Science Corp
12065 Lebanon Road
Mt. Juliet, TN 37122
(615) 773-9756 (615) 758-5859 fax

Sub-Contract Lab : ORLBAOK
City / State : Broken Arrow, OK
Results Needed by : 5/3/16
ESC Purchase Order # : S23481

Send Reports To : Janice Cozby jcozby@esclabsciences.com

WORKGROUP **WG859817**
Date Created : **3/28/16**

SAMPLENO Container #	MATRIX	Date / Time Collected	PARAMETER Code	METHOD	Comments
L825960-01	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL	DOE Ga-01-R/9	
20162757					
L825960-01	SS		Radium-226 ORL-RA-226	SM7500Ra B M	
20162757					
L825960-01	SS		Radium-228 ORL-RA-228	9320	
L825960-02	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL	DOE Ga-01-R/9	
20162758					
L825960-02	SS		Radium-226 ORL-RA-226	SM7500Ra B M	
20162758					
L825960-02	SS		Radium-228 ORL-RA-228	9320	
L825960-03	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL	DOE Ga-01-R/9	
20162759					
L825960-03	SS		Radium-226 ORL-RA-226	SM7500Ra B M	
20162759					
L825960-03	SS		Radium-228 ORL-RA-228	9320	

Relinquished by [Signature] Date: 032816
Received by: [Signature] Date: 3/29/16
Relinquished by _____ Date: _____
Received by: _____ Date: _____



Company Name/Address: Envirotech Inc. -NM 5796 US Highway 64 Farmington, NM 87401		Billing Information: Accounts Payable 5796 US Highway 64 Farmington, NM 87401	
Report to: Lynn Cook & Tim Cain		Email To: Lynn Cook & Tim Cain	
Project Description: Landfarm 4 Background		City/State Collected:	
Phone: (505) 632-0615		Lab Project #	
Site/Facility ID #		P.O. #	
Client Project #		Date Results Needed	
Collected by (print): I. Garcia		Rush? (Lab MUST Be Notified) Same Day _____ 200% Next Day _____ 100% Two Day _____ 50% Three Day _____ 25%	
Collected by (signature):		Emailed? No Yes FAX? No Yes	
Immediately Packed on ice N ☒ Y ☐		No. of Cntrs	
Sample ID	Comp/Grab	Matrix	Depth
Area #5		SS	1142
Area #6		SS	1432
Area #7		SS	1605

Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other		Remarks: Please ref. quotes ENVIROFNM031115 & ENVIROFNM703 HAWAII	
Relinquished by (Signature):	Date: 3/26/16	Time: 1200	Received by (Signature): FEDEX
Relinquished by (Signature):	Date:	Time:	Received by (Signature):
Relinquished by (Signature):	Date:	Time:	Received for lab by (Signature):

Analysis / Sampling / Preservative		Analysis / Sampling / Preservative	
Do not report benzene, toluene, ethylbenzene, total xylene, naphthalene, 1-methyl naphthalene, 2-methyl naphthalene in 8210 or 8270	Do not report benzene, toluene, ethylbenzene, total xylene, naphthalene, 1-methyl naphthalene, 2-methyl naphthalene in 8210 or 8270	Do not report benzene, toluene, ethylbenzene, total xylene, naphthalene, 1-methyl naphthalene, 2-methyl naphthalene in 8210 or 8270	Do not report benzene, toluene, ethylbenzene, total xylene, naphthalene, 1-methyl naphthalene, 2-methyl naphthalene in 8210 or 8270
Uranium 234 & 238 Gamma Spec	Uranium 234 & 238 Gamma Spec	Uranium 234 & 238 Gamma Spec	Uranium 234 & 238 Gamma Spec
PCBs 8082	PCBs 8082	PCBs 8082	PCBs 8082
Cyanide 9012B	Cyanide 9012B	Cyanide 9012B	Cyanide 9012B
SVCS 8270	SVCS 8270	SVCS 8270	SVCS 8270
VOCs 8210	VOCs 8210	VOCs 8210	VOCs 8210
Total ketenes, naphthalene, 1-methyl naphthalene, 2-methyl naphthalene in 8210 or 8270	Total ketenes, naphthalene, 1-methyl naphthalene, 2-methyl naphthalene in 8210 or 8270	Total ketenes, naphthalene, 1-methyl naphthalene, 2-methyl naphthalene in 8210 or 8270	Total ketenes, naphthalene, 1-methyl naphthalene, 2-methyl naphthalene in 8210 or 8270

Accum:		Accum:	
Template:		Template:	
Prelog:		Prelog:	
TSR:		TSR:	
PB:		PB:	
Shipped Via:		Shipped Via:	
Rem/Contaminant	Sample # (lab only)	Rem/Contaminant	Sample # (lab only)
	01		01
	02		02
	07		07

Hold #		Hold #	
Condition:		Condition:	
Lab use only		Lab use only	
COC Seal Intact:		COC Seal Intact:	
pH Checked:		pH Checked:	

SAMPLE LOGIN

Date Received: 03/29/16 12:28:24

Lab Number: 20160289

Due: 04/26/16

Sample Number	Client Sample ID	Matrix	Date Sampled	Container Type	Container Size	Preservation	Preserved Upon Receipt	Custody Seal	Seal Intact
20160289-01 B	Area #5	SCM	03/24/16	Plastic	Med Petri 95	None	☐	No	No
20160289-01 A	Area #5	SCM	03/24/16	Glass	4 oz	None	☐	Yes	Yes
Gamma Spec (NORM)									
20160289-02 B	Area #6	SCM	03/24/16	Plastic	Med Petri 95	None	☐	No	No
20160289-02 A	Area #6	SCM	03/24/16	Glass	4 oz	None	☐	Yes	Yes
Gamma Spec (NORM)									
20160289-03 B	Area #7	SCM	03/24/16	Plastic	Med Petri 95	None	☐	No	No
20160289-03 A	Area #7	SCM	03/24/16	Glass	4 oz	None	☐	Yes	Yes
Gamma Spec (NORM)									

CONTAINER INSPECTION

Coolers Box ☒ Custody Seals Broken ☒ Temperature: CNA Ice

Radiation Survey: <300 cpm

SAMPLE INSPECTION

Sample Seal Broken No Chain of Custody Record ☒ Labels in Tact ☒ Radiation Survey Complete ☒

Anomalies (1) Label L825960-03 on sample container with "Area #5" (2) " " " " with "Area #6" (3) " " " " with "Area #7" - P-7

L300
Model 12
88002
8/19/15

Inspected By: [Signature] DATE 3-29-16
QA or Designee Review: Raymond Thoden DATE 03/29/16
Sample Custodian Review: _____ DATE _____

Project Notes:

Analytical Report

Report Summary

Client: Envirotech

Chain Of Custody Number:

Samples Received: 3/25/2016 4:20:00PM

Job Number: Landfarm OH

Work Order: P603088

Project Name/Location: Landfarm 4 Background
Sampling

Report Reviewed By:



Date: 4/15/16

Walter Hinchman, Laboratory Director



Date: 4/15/16

Tim Cain, Quality Assurance Officer

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 15-Apr-16 16:15

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Area #8	P603088-01A	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-01B	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-01C	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-01D	Soil	03/25/16	03/25/16	Glass Jar, 2 oz.
	P603088-01E	Soil	03/25/16	03/25/16	Glass Jar, 2 oz.
	P603088-01F	Soil	03/25/16	03/25/16	Plastic Baggie
Area #9	P603088-02A	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-02B	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-02C	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-02D	Soil	03/25/16	03/25/16	Glass Jar, 2 oz.
	P603088-02E	Soil	03/25/16	03/25/16	Glass Jar, 2 oz.
	P603088-02F	Soil	03/25/16	03/25/16	Plastic Baggie
Area #10	P603088-03A	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-03B	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-03C	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-03D	Soil	03/25/16	03/25/16	Glass Jar, 2 oz.
	P603088-03E	Soil	03/25/16	03/25/16	Glass Jar, 2 oz.
	P603088-03F	Soil	03/25/16	03/25/16	Plastic Baggie
Area #11	P603088-04A	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-04B	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-04C	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-04D	Soil	03/25/16	03/25/16	Glass Jar, 2 oz.
	P603088-04E	Soil	03/25/16	03/25/16	Glass Jar, 2 oz.
	P603088-04F	Soil	03/25/16	03/25/16	Plastic Baggie
Area #12	P603088-05A	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-05B	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-05C	Soil	03/25/16	03/25/16	Glass Jar, 4 oz.
	P603088-05D	Soil	03/25/16	03/25/16	Glass Jar, 2 oz.
	P603088-05E	Soil	03/25/16	03/25/16	Glass Jar, 2 oz.
	P603088-05F	Soil	03/25/16	03/25/16	Plastic Baggie

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 15-Apr-16 16:15

Area #8
P603088-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Toluene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Ethylbenzene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
p,m-Xylene	ND	0.200	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
o-Xylene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Total Xylenes	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Total BTEX	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Methyl tert-Butyl Ether	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Naphthalene	ND	0.500	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
1-Methylnaphthalene	ND	0.500	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
2-Methylnaphthalene	ND	0.500	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %		50-150		1614004	03/28/16	03/31/16	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1		1614006	03/29/16	03/31/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %		50-150		1614004	03/28/16	03/31/16	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1		1614006	03/29/16	03/31/16	EPA 8015D	
Surrogate: n-Nonane		131 %		50-200		1614006	03/29/16	03/31/16	EPA 8015D	
Total Metals by 6010										
Calcium	4070	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Copper	ND	2.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Iron	6370	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Magnesium	1550	20.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Manganese	152	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Potassium	1750	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Sodium	186	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Zinc	15.8	2.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Arsenic	1.71	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Barium	84.4	10.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Chromium	7.09	5.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

Reported:
 15-Apr-16 16:15

Area #8
P603088-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Metals by 6010									
Lead	2.62	1.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Cation/Anion Analysis									
pH @25°C	8.97		pH Units	1	1614013	03/30/16 12:19	03/30/16 13:25	9040C/4500 H	
Total Dissolved Solids	7520	10.0	mg/L	1	1614018	03/31/16	03/31/16	160.1/2540C	
Total Alkalinity as CaCO ₃	253	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Bicarbonate as CaCO ₃	253	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Carbonate as CaCO ₃	ND	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Hydroxide as CaCO ₃	ND	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Fluoride	2.80	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Chloride	ND	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrite-N	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrate-N	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
o-Phosphate-P	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Sulfate	ND	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Total Mercury by 7471B									
Mercury	ND	0.02	mg/kg	1	1614014	03/30/16	03/31/16	EPA 7471B	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 15-Apr-16 16:15

Area #9
P603088-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Toluene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Ethylbenzene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
p,m-Xylene	ND	0.200	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
o-Xylene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Total Xylenes	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Total BTEX	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Methyl tert-Butyl Ether	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Naphthalene	ND	0.500	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
1-Methylnaphthalene	ND	0.500	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
2-Methylnaphthalene	ND	0.500	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		97.2 %		50-150		1614004	03/28/16	03/31/16	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1		1614006	03/29/16	03/31/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %		50-150		1614004	03/28/16	03/31/16	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1		1614006	03/29/16	03/31/16	EPA 8015D	
Surrogate: n-Nonane		131 %		50-200		1614006	03/29/16	03/31/16	EPA 8015D	
Total Metals by 6010										
Calcium	12300	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Copper	2.13	2.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Iron	10900	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Magnesium	3480	20.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Manganese	407	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Potassium	2380	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Sodium	808	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Zinc	23.5	2.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Arsenic	ND	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Barium	126	10.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Chromium	11.8	5.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

Reported:
 15-Apr-16 16:15

Area #9
P603088-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Metals by 6010									
Lead	3.22	1.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Cation/Anion Analysis									
pH @25°C	8.64		pH Units	1	1614013	03/30/16 12:19	03/30/16 13:25	9040C/4500 H	
Total Dissolved Solids	1020	10.0	mg/L	1	1614018	03/31/16	03/31/16	160.1/2540C	
Total Alkalinity as CaCO ₃	154	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Bicarbonate as CaCO ₃	154	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Carbonate as CaCO ₃	ND	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Hydroxide as CaCO ₃	ND	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Fluoride	5.76	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Chloride	124	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrite-N	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrate-N	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
o-Phosphate-P	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Sulfate	827	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Total Mercury by 7471B									
Mercury	ND	0.02	mg/kg	1	1614014	03/30/16	03/31/16	EPA 7471B	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 15-Apr-16 16:15

Area #10
P603088-03 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Toluene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Ethylbenzene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
p,m-Xylene	ND	0.200	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
o-Xylene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Total Xylenes	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Total BTEX	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Methyl tert-Butyl Ether	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Naphthalene	ND	0.500	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
1-Methylnaphthalene	ND	0.500	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
2-Methylnaphthalene	ND	0.500	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %		50-150		1614004	03/28/16	03/31/16	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1		1614006	03/29/16	03/31/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.8 %		50-150		1614004	03/28/16	03/31/16	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1		1614006	03/29/16	03/31/16	EPA 8015D	
Surrogate: n-Nonane		130 %		50-200		1614006	03/29/16	03/31/16	EPA 8015D	
Total Metals by 6010										
Calcium	2340	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Copper	ND	2.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Iron	5010	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Magnesium	1100	20.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Manganese	120	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Potassium	1450	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Sodium	128	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Zinc	12.3	2.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Arsenic	1.12	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Barium	73.5	10.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Chromium	5.21	5.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 15-Apr-16 16:15

Area #10
P603088-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Metals by 6010									
Lead	2.29	1.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Cation/Anion Analysis									
pH @25°C	8.60		pH Units	1	1614013	03/30/16 12:19	03/30/16 13:25	9040C/4500 H	
Total Dissolved Solids	1150	10.0	mg/L	1	1614018	03/31/16	03/31/16	160.1/2540C	
Total Alkalinity as CaCO ₃	163	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Bicarbonate as CaCO ₃	163	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Carbonate as CaCO ₃	ND	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Hydroxide as CaCO ₃	ND	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Fluoride	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Chloride	ND	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrite-N	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrate-N	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
o-Phosphate-P	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Sulfate	ND	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Total Mercury by 7471B									
Mercury	ND	0.02	mg/kg	1	1614014	03/30/16	03/31/16	EPA 7471B	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 15-Apr-16 16:15

Area #11
P603088-04 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Toluene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Ethylbenzene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
p,m-Xylene	ND	0.200	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
o-Xylene	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Total Xylenes	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Total BTEX	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Methyl tert-Butyl Ether	ND	0.100	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Naphthalene	ND	0.500	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
1-Methylnaphthalene	ND	0.500	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
2-Methylnaphthalene	ND	0.500	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %		50-150		1614004	03/28/16	03/31/16	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1		1614004	03/28/16	03/31/16	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1		1614006	03/29/16	03/31/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.4 %		50-150		1614004	03/28/16	03/31/16	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1		1614006	03/29/16	03/31/16	EPA 8015D	
Surrogate: n-Nonane		144 %		50-200		1614006	03/29/16	03/31/16	EPA 8015D	
Total Metals by 6010										
Calcium	4900	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Copper	ND	2.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Iron	5270	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Magnesium	1250	20.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Manganese	115	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Potassium	1380	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Sodium	149	50.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Zinc	12.4	2.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Arsenic	1.41	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Barium	73.8	10.0	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Chromium	5.04	5.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 15-Apr-16 16:15

Area #11
P603088-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Metals by 6010									
Lead	2.31	1.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Cation/Anion Analysis									
pH @25°C	8.89		pH Units	1	1614013	03/30/16 12:19	03/30/16 13:25	9040C/4500 H	
Total Dissolved Solids	824	10.0	mg/L	1	1614018	03/31/16	03/31/16	160.1/2540C	
Total Alkalinity as CaCO ₃	156	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Bicarbonate as CaCO ₃	156	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Carbonate as CaCO ₃	ND	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Hydroxide as CaCO ₃	ND	10.0	mg/L	1	1614022	03/31/16	03/31/16	Hach Method 8203	
Fluoride	2.68	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Chloride	ND	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrite-N	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Nitrate-N	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
o-Phosphate-P	ND	2.50	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Sulfate	36.3	20.0	mg/kg	1	1614001	03/28/16	03/28/16	EPA 300.0	
Total Mercury by 7471B									
Mercury	ND	0.02	mg/kg	1	1614014	03/30/16	03/31/16	EPA 7471B	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 15-Apr-16 16:15

Area #12
P603088-05 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.100	mg/kg	1	1614004	03/28/16	03/31/16	EPA 8021B	
Toluene	ND	0.100	mg/kg	1	1614004	03/28/16	03/31/16	EPA 8021B	
Ethylbenzene	ND	0.100	mg/kg	1	1614004	03/28/16	03/31/16	EPA 8021B	
p,m-Xylene	ND	0.200	mg/kg	1	1614004	03/28/16	03/31/16	EPA 8021B	
o-Xylene	ND	0.100	mg/kg	1	1614004	03/28/16	03/31/16	EPA 8021B	
Total Xylenes	ND	0.100	mg/kg	1	1614004	03/28/16	03/31/16	EPA 8021B	
Total BTEX	ND	0.100	mg/kg	1	1614004	03/28/16	03/31/16	EPA 8021B	
Methyl tert-Butyl Ether	ND	0.100	mg/kg	1	1614004	03/28/16	03/31/16	EPA 8021B	
Naphthalene	ND	0.500	mg/kg	1	1614004	03/28/16	03/31/16	EPA 8021B	
1-Methylnaphthalene	ND	0.500	mg/kg	1	1614004	03/28/16	03/31/16	EPA 8021B	
2-Methylnaphthalene	ND	0.500	mg/kg	1	1614004	03/28/16	03/31/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %		50-150	1614004	03/28/16	03/31/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1614004	03/28/16	03/31/16	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1614006	03/29/16	03/31/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %		50-150	1614004	03/28/16	03/31/16	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1614006	03/29/16	03/31/16	EPA 8015D	
Surrogate: n-Nonane		143 %		50-200	1614006	03/29/16	03/31/16	EPA 8015D	
Total Metals by 6010									
Calcium	1340	50.0	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Copper	ND	2.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Iron	4790	50.0	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Magnesium	960	20.0	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Manganese	112	1.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Potassium	1380	50.0	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Sodium	142	50.0	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Zinc	11.8	2.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Arsenic	1.32	1.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Barium	64.9	10.0	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	
Chromium	ND	5.00	mg/kg	1	1614015	03/30/16	03/31/16	EPA 6010C	

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Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 15-Apr-16 16:15

Area #12
P603088-05 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Metals by 6010										
Lead	2.35	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Selenium	ND	5.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Silver	ND	1.00	mg/kg	1		1614015	03/30/16	03/31/16	EPA 6010C	
Cation/Anion Analysis										
pH @25°C	8.77		pH Units	1		1614013	03/30/16 12:19	03/30/16 13:25	9040C/4500 H	
Total Dissolved Solids	1680	10.0	mg/L	1		1614018	03/31/16	03/31/16	160.1/2540C	
Total Alkalinity as CaCO3	106	10.0	mg/L	1		1614022	03/31/16	03/31/16	Hach Method 8203	
Bicarbonate as CaCO3	106	10.0	mg/L	1		1614022	03/31/16	03/31/16	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1		1614022	03/31/16	03/31/16	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1		1614022	03/31/16	03/31/16	Hach Method 8203	
Fluoride	ND	2.50	mg/kg	1		1614001	03/28/16	03/28/16	EPA 300.0	
Chloride	ND	20.0	mg/kg	1		1614001	03/28/16	03/28/16	EPA 300.0	
Nitrite-N	ND	2.50	mg/kg	1		1614001	03/28/16	03/28/16	EPA 300.0	
Nitrate-N	ND	2.50	mg/kg	1		1614001	03/28/16	03/28/16	EPA 300.0	
o-Phosphate-P	ND	2.50	mg/kg	1		1614001	03/28/16	03/28/16	EPA 300.0	
Sulfate	28.1	20.0	mg/kg	1		1614001	03/28/16	03/28/16	EPA 300.0	
Total Mercury by 7471B										
Mercury	ND	0.02	mg/kg	1		1614014	03/30/16	03/31/16	EPA 7471B	

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 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 15-Apr-16 16:15

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1614004 - Purge and Trap EPA 5030A
Blank (1614004-BLK1)

Prepared: 28-Mar-16 Analyzed: 29-Mar-16

Benzene	ND	0.100	mg/kg							
Toluene	ND	0.100	"							
Ethylbenzene	ND	0.100	"							
p,m-Xylene	ND	0.200	"							
o-Xylene	ND	0.100	"							
Total Xylenes	ND	0.100	"							
Total BTEX	ND	0.100	"							
Methyl tert-Butyl Ether	ND	0.100	"							
Naphthalene	ND	0.500	"							
1-Methylnaphthalene	ND	0.500	"							
2-Methylnaphthalene	ND	0.500	"							
Surrogate: 4-Bromochlorobenzene-PID	0.162		"	0.160		101	50-150			

LCS (1614004-BS1)

Prepared: 28-Mar-16 Analyzed: 29-Mar-16

Benzene	12.0	0.100	mg/kg	10.0		120	70-130			
Toluene	11.9	0.100	"	10.0		119	70-130			
Ethylbenzene	12.0	0.100	"	10.0		120	70-130			
p,m-Xylene	23.7	0.200	"	20.0		119	70-130			
o-Xylene	11.6	0.100	"	10.0		116	70-130			
Methyl tert-Butyl Ether	12.7	0.100	"	10.0		127	70-130			
Naphthalene	10.6	0.500	"	10.0		106	70-130			
1-Methylnaphthalene	10.6	0.500	"	10.0		106	70-130			
2-Methylnaphthalene	10.6	0.500	"	10.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	0.163		"	0.160		102	50-150			

Matrix Spike (1614004-MS1)

Source: P603077-01

Prepared: 28-Mar-16 Analyzed: 29-Mar-16

Benzene	11.7	0.100	mg/kg	10.0	ND	117	54.3-133			
Toluene	11.5	0.100	"	10.0	ND	115	61.4-130			
Ethylbenzene	11.6	0.100	"	10.0	ND	116	61.4-133			
p,m-Xylene	23.0	0.200	"	20.0	ND	115	63.3-131			
o-Xylene	11.2	0.100	"	10.0	ND	112	63.3-131			
Methyl tert-Butyl Ether	13.9	0.100	"	10.0	ND	139	57.7-134			SPK1
Naphthalene	10.9	0.500	"	10.0	ND	109	70-130			
1-Methylnaphthalene	11.2	0.500	"	10.0	ND	112	70-130			
2-Methylnaphthalene	11.1	0.500	"	10.0	ND	111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	0.168		"	0.160		105	50-150			

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Envirotech
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 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 15-Apr-16 16:15

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1614004 - Purge and Trap EPA 5030A										
Matrix Spike Dup (1614004-MSD1)		Source: P603077-01		Prepared: 28-Mar-16		Analyzed: 29-Mar-16				
Benzene	12.0	0.100	mg/kg	10.0	ND	120	54.3-133	2.56	20	
Toluene	11.8	0.100	"	10.0	ND	118	61.4-130	2.50	20	
Ethylbenzene	11.9	0.100	"	10.0	ND	119	61.4-133	2.51	20	
p,m-Xylene	23.5	0.200	"	20.0	ND	118	63.3-131	2.50	20	
o-Xylene	11.5	0.100	"	10.0	ND	115	63.3-131	2.45	20	
Methyl tert-Butyl Ether	15.4	0.100	"	10.0	ND	154	57.7-134	10.1	20	SPK1
Naphthalene	11.3	0.500	"	10.0	ND	113	70-130	3.64	20	
1-Methylnaphthalene	11.5	0.500	"	10.0	ND	116	70-130	3.09	20	
2-Methylnaphthalene	11.4	0.500	"	10.0	ND	114	70-130	2.52	20	
Surrogate: 4-Bromochlorobenzene-PID	0.167		"	0.160		105	50-150			

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 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

 Reported:
 15-Apr-16 16:15

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1614004 - Purge and Trap EPA 5030A										
Blank (1614004-BLK1)				Prepared: 28-Mar-16 Analyzed: 29-Mar-16						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.158		"	0.160		98.8	50-150			
LCS (1614004-BS1)				Prepared: 28-Mar-16 Analyzed: 29-Mar-16						
Gasoline Range Organics (C6-C10)	133	20.0	mg/kg	113		118	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.159		"	0.160		99.7	50-150			
Matrix Spike (1614004-MS1)				Source: P603077-01		Prepared: 28-Mar-16 Analyzed: 29-Mar-16				
Gasoline Range Organics (C6-C10)	126	20.0	mg/kg	113	ND	111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.154		"	0.160		96.5	50-150			
Matrix Spike Dup (1614004-MSD1)				Source: P603077-01		Prepared: 28-Mar-16 Analyzed: 29-Mar-16				
Gasoline Range Organics (C6-C10)	129	20.0	mg/kg	113	ND	114	70-130	2.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.155		"	0.160		96.6	50-150			

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 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

Reported:
 15-Apr-16 16:15

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1614006 - DRO Extraction EPA 3550M										
Blank (1614006-BLK1)				Prepared: 29-Mar-16 Analyzed: 30-Mar-16						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: n-Nonane	55.8		"	50.0		112	50-200			
LCS (1614006-BS1)				Prepared: 29-Mar-16 Analyzed: 30-Mar-16						
Diesel Range Organics (C10-C28)	491	25.0	mg/kg	500		98.2	38-132			
Surrogate: n-Nonane	54.6		"	50.0		109	50-200			
Matrix Spike (1614006-MS1)				Source: P603085-01		Prepared: 29-Mar-16 Analyzed: 30-Mar-16				
Diesel Range Organics (C10-C28)	449	25.0	mg/kg	500	ND	89.9	38-132			
Surrogate: n-Nonane	54.4		"	50.0		109	50-200			
Matrix Spike Dup (1614006-MSD1)				Source: P603085-01		Prepared: 29-Mar-16 Analyzed: 30-Mar-16				
Diesel Range Organics (C10-C28)	489	25.0	mg/kg	500	ND	97.8	38-132	8.45	20	
Surrogate: n-Nonane	53.9		"	50.0		108	50-200			

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Envirotech 5796 US HWY 64 Farmington NM, 87401	Project Name: Landfarm 4 Background Sampling Project Number: Landfarm OH Project Manager: Greg Crabtree	Reported: 15-Apr-16 16:15
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Total Metals by 6010 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1614015 - Metal Solid Digestion EPA 3051A

Blank (1614015-BLK1)

Prepared: 30-Mar-16 Analyzed: 31-Mar-16

Arsenic	ND	1.00	mg/kg
Barium	ND	10.0	"
Cadmium	ND	1.00	"
Calcium	ND	50.0	"
Chromium	ND	5.00	"
Copper	ND	2.00	"
Iron	ND	50.0	"
Lead	ND	1.00	"
Magnesium	ND	20.0	"
Manganese	ND	1.00	"
Potassium	ND	50.0	"
Selenium	ND	5.00	"
Silver	ND	1.00	"
Sodium	ND	50.0	"
Zinc	ND	2.00	"

LCS (1614015-BS1)

Prepared: 30-Mar-16 Analyzed: 31-Mar-16

Arsenic	78.9	1.00	mg/kg	90.0	87.7	80-120
Barium	85.3	10.0	"	90.0	94.8	80-120
Cadmium	83.5	1.00	"	90.0	92.7	80-120
Calcium	8560	50.0	"	9000	95.1	80-120
Chromium	84.0	5.00	"	90.0	93.4	80-120
Copper	79.6	2.00	"	90.0	88.4	80-120
Iron	8620	50.0	"	9000	95.8	80-120
Lead	81.0	1.00	"	90.0	90.0	80-120
Magnesium	7860	20.0	"	9000	87.4	80-120
Manganese	83.9	1.00	"	90.0	93.2	80-120
Potassium	94.9	50.0	"	90.0	105	80-120
Selenium	75.5	5.00	"	90.0	83.9	80-120
Silver	78.5	1.00	"	90.0	87.2	80-120
Sodium	8110	50.0	"	9000	90.1	80-120
Zinc	81.9	2.00	"	90.0	91.0	80-120

Matrix Spike (1614015-MS1)

Source: P603080-01

Prepared: 30-Mar-16 Analyzed: 31-Mar-16

Arsenic	81.1	1.00	mg/kg	90.0	1.37	88.6	75-125	SPK1
Barium	283	10.0	"	90.0	160	137	75-125	
Cadmium	82.7	1.00	"	90.0	ND	91.8	75-125	
Calcium	15200	50.0	"	9000	6350	98.0	75-125	

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Envirotech	Project Name:	Landfarm 4 Background Sampling	Reported:
5796 US HWY 64	Project Number:	Landfarm OH	15-Apr-16 16:15
Farmington NM, 87401	Project Manager:	Greg Crabtree	

Total Metals by 6010 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1614015 - Metal Solid Digestion EPA 3051A

Matrix Spike (1614015-MS1)		Source: P603080-01		Prepared: 30-Mar-16		Analyzed: 31-Mar-16				
Chromium	101	5.00	mg/kg	90.0	12.7	98.1	75-125			
Copper	95.9	2.00	"	90.0	7.52	98.2	75-125			
Iron	24600	50.0	"	9000	16000	96.3	75-125			
Lead	115	1.00	"	90.0	9.93	117	75-125			
Magnesium	10000	20.0	"	9000	2070	88.4	75-125			
Manganese	343	1.00	"	90.0	261	90.9	75-125			
Potassium	2460	50.0	"	90.0	2340	133	75-125			SPK1
Selenium	72.6	5.00	"	90.0	ND	80.7	75-125			
Silver	ND	1.00	"	90.0	ND		75-125			SPK1
Sodium	8670	50.0	"	9000	389	92.0	75-125			
Zinc	126	2.00	"	90.0	41.6	93.5	75-125			

Matrix Spike Dup (1614015-MSD1)		Source: P603080-01		Prepared: 30-Mar-16		Analyzed: 31-Mar-16				
Arsenic	81.3	1.00	mg/kg	90.0	1.37	88.9	75-125	0.308	20	
Barium	303	10.0	"	90.0	160	159	75-125	6.96	20	SPK1
Cadmium	83.0	1.00	"	90.0	ND	92.2	75-125	0.423	20	
Calcium	15100	50.0	"	9000	6350	96.6	75-125	0.794	20	
Chromium	121	5.00	"	90.0	12.7	120	75-125	17.7	20	
Copper	87.5	2.00	"	90.0	7.52	88.9	75-125	9.09	20	
Iron	23600	50.0	"	9000	16000	84.6	75-125	4.40	20	
Lead	92.2	1.00	"	90.0	9.93	91.4	75-125	22.4	20	D1
Magnesium	12200	20.0	"	9000	2070	112	75-125	19.2	20	
Manganese	410	1.00	"	90.0	261	165	75-125	17.8	20	SPK1
Potassium	2980	50.0	"	90.0	2340	710	75-125	19.1	20	SPK1
Selenium	74.3	5.00	"	90.0	ND	82.6	75-125	2.27	20	
Silver	91.9	1.00	"	90.0	ND	102	75-125		20	
Sodium	10400	50.0	"	9000	389	111	75-125	18.0	20	
Zinc	117	2.00	"	90.0	41.6	83.3	75-125	7.60	20	

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Envirotech	Project Name:	Landfarm 4 Background Sampling	Reported: 15-Apr-16 16:15
5796 US HWY 64	Project Number:	Landfarm OH	
Farmington NM, 87401	Project Manager:	Greg Crabtree	

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1614001 - Anion Extraction EPA 300.0

Blank (1614001-BLK1)

Prepared & Analyzed: 28-Mar-16

Fluoride	ND	2.50	mg/kg
Chloride	ND	20.0	"
Nitrite-N	ND	2.50	"
Nitrate-N	ND	2.50	"
o-Phosphate-P	ND	2.50	"
Sulfate	ND	20.0	"

LCS (1614001-BS1)

Prepared & Analyzed: 28-Mar-16

Fluoride	51.8	2.50	mg/kg	50.0	104	90-110
Chloride	529	20.0	"	500	106	90-110
Nitrite-N	52.8	2.50	"	50.0	106	90-110
Nitrate-N	48.4	2.50	"	50.0	96.7	90-110
o-Phosphate-P	79.8	2.50	"	81.5	97.8	90-110
Sulfate	511	20.0	"	500	102	90-110

Matrix Spike (1614001-MS1)

Source: P603067-01

Prepared & Analyzed: 28-Mar-16

Fluoride	54.1	2.50	mg/kg	50.0	3.22	102	80-120	
Chloride	565	20.0	"	500	34.8	106	80-120	
Nitrite-N	55.5	2.50	"	50.0	ND	111	80-120	
Nitrate-N	50.9	2.50	"	50.0	ND	102	80-120	
o-Phosphate-P	43.6	2.50	"	81.5	ND	53.4	80-120	SPK1
Sulfate	561	20.0	"	500	32.3	106	80-120	

Matrix Spike Dup (1614001-MSD1)

Source: P603067-01

Prepared & Analyzed: 28-Mar-16

Fluoride	54.7	2.50	mg/kg	50.0	3.22	103	80-120	1.14	20	
Chloride	571	20.0	"	500	34.8	107	80-120	1.10	20	
Nitrite-N	55.7	2.50	"	50.0	ND	111	80-120	0.288	20	
Nitrate-N	51.4	2.50	"	50.0	ND	103	80-120	0.996	20	
o-Phosphate-P	45.1	2.50	"	81.5	ND	55.3	80-120	3.39	20	SPK1
Sulfate	566	20.0	"	500	32.3	107	80-120	0.937	20	

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laboratory@envirotech-inc.com

Envirotech
 5796 US HWY 64
 Farmington NM, 87401

 Project Name: Landfarm 4 Background Sampling
 Project Number: Landfarm OH
 Project Manager: Greg Crabtree

Reported:
 15-Apr-16 16:15

Total Mercury by 7471B - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1614014 - Mercury Solid Digestion KMNO4										
Blank (1614014-BLK1)				Prepared: 30-Mar-16 Analyzed: 31-Mar-16						
Mercury	ND	0.02	mg/kg							
LCS (1614014-BS1)				Prepared: 30-Mar-16 Analyzed: 31-Mar-16						
Mercury	0.15	0.02	mg/kg	0.133		110	80-120			
Matrix Spike (1614014-MS1)				Source: P603085-01		Prepared: 30-Mar-16 Analyzed: 31-Mar-16				
Mercury	0.15	0.02	mg/kg	0.133	ND	113	75-125			
Matrix Spike Dup (1614014-MSD1)				Source: P603085-01		Prepared: 30-Mar-16 Analyzed: 31-Mar-16				
Mercury	0.15	0.02	mg/kg	0.133	ND	116	75-125	2.62	15	

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5796 US HWY 64
Farmington NM, 87401

Project Name: Landfarm 4 Background Sampling
Project Number: Landfarm OH
Project Manager: Greg Crabtree

Reported:
15-Apr-16 16:15

Notes and Definitions

SPK1 The spike recovery is outside of quality control limits.

D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference is outside of control limits.

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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RUSH?

1d
3d

Client: Envirotech

Project: Landfarm 4 Background Sampling

Sampler: E. Garcia

Phone:

Email(s): Isaac

Project Manager: Greg Crabtree

Page 1 of 1

Lab Use Only		Analysis and Method							Lab Only	
Lab WO#	Job Number	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	TCLP Metals	CO Table 910-1	TDS	Lab Number	Correct Cont/Prsiv (s) Y/N
7603088	Landfarm 04	3-4oz / G / Cool	10:43	5					1	X
	Area # 9	2.2oz / G / Cool	11:42						2	X
	Area # 10	1 - Bag / Cool	12:25						3	X
	Area # 11		13:22						4	X
	Area # 12		14:07						5	X
Relinquished by: (Signature) _____ Date 3/25/16 Time 16:20 Received by: (Signature) _____ Date 3/25/16 Time 16:20 Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other **Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										

Notes/Billing info:

Chain of Custody

Sample(s) dropped off after hours to a secure drop off area.

Container Type: g - glass, p - poly/plastic, ag - amber glass



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Page 22 of 77

EnviroTech- NM

Sample Delivery Group: L826095
Samples Received: 03/29/2016
Project Number: LANDFARM
Description: Landfarm 4 Background
Site: P603088
Report To: Tim Cain and Lynn Cook
5796 US. Highway 64
Farmington, NM 87401

Entire Report Reviewed By:



Daphne Richards
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



AREA #8 L826095-01 Solid

			Collected by I. Garcia	Collected date/time 03/25/16 10:43	Received date/time 03/29/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICPMS) by Method 6020	WG860481	5	03/30/16 10:43	03/30/16 19:40	VSS
Polychlorinated Biphenyls (GC) by Method 8082	WG861104	1	04/01/16 15:02	04/04/16 17:11	ADF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG861635	1	04/04/16 06:25	04/04/16 14:20	SNR
Total Solids by Method 2540 G-2011	WG860819	1	03/31/16 13:28	03/31/16 13:42	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG861169	5	04/01/16 21:09	04/04/16 04:14	GLN
Wet Chemistry by Method 9012B	WG860483	1	03/30/16 16:30	03/30/16 20:45	ASK

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

AREA #9 L826095-02 Solid

			Collected by I. Garcia	Collected date/time 03/25/16 11:42	Received date/time 03/29/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICPMS) by Method 6020	WG860481	5	03/30/16 10:43	03/30/16 20:37	VSS
Polychlorinated Biphenyls (GC) by Method 8082	WG861104	1	04/01/16 15:02	04/04/16 17:27	ADF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG861635	1	04/04/16 06:25	04/04/16 14:43	SNR
Total Solids by Method 2540 G-2011	WG860822	1	03/31/16 11:06	03/31/16 11:17	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG861169	5	04/01/16 21:09	04/03/16 20:49	ACG
Wet Chemistry by Method 9012B	WG860483	1	03/30/16 16:30	03/30/16 20:46	ASK

AREA #10 L826095-03 Solid

			Collected by I. Garcia	Collected date/time 03/25/16 12:25	Received date/time 03/29/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICPMS) by Method 6020	WG860481	5	03/30/16 10:43	03/30/16 20:40	VSS
Polychlorinated Biphenyls (GC) by Method 8082	WG861104	1	04/01/16 15:02	04/05/16 12:15	VKS
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG861635	1	04/04/16 06:25	04/04/16 15:07	SNR
Total Solids by Method 2540 G-2011	WG860822	1	03/31/16 11:06	03/31/16 11:17	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG861175	5	04/02/16 21:53	04/05/16 09:25	DAH
Wet Chemistry by Method 9012B	WG860483	1	03/30/16 16:30	03/30/16 20:47	ASK

AREA #11 L826095-04 Solid

			Collected by I. Garcia	Collected date/time 03/25/16 13:22	Received date/time 03/29/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICPMS) by Method 6020	WG860481	5	03/30/16 10:43	03/30/16 20:43	VSS
Polychlorinated Biphenyls (GC) by Method 8082	WG861104	1	04/01/16 15:02	04/04/16 17:59	ADF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG861635	1	04/04/16 06:25	04/04/16 15:30	SNR
Total Solids by Method 2540 G-2011	WG860822	1	03/31/16 11:06	03/31/16 11:17	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG861175	5	04/02/16 21:53	04/05/16 09:45	DAH
Wet Chemistry by Method 9012B	WG860483	1	03/30/16 16:30	03/30/16 20:48	ASK

AREA #12 L826095-05 Solid

			Collected by I. Garcia	Collected date/time 03/25/16 14:07	Received date/time 03/29/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICPMS) by Method 6020	WG860481	5	03/30/16 10:43	03/30/16 20:46	VSS
Polychlorinated Biphenyls (GC) by Method 8082	WG861104	1	04/01/16 15:02	04/04/16 18:15	ADF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG861635	1	04/04/16 06:25	04/04/16 15:54	SNR
Total Solids by Method 2540 G-2011	WG860822	1	03/31/16 11:06	03/31/16 11:17	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG861175	5	04/02/16 21:53	04/05/16 10:05	DAH
Wet Chemistry by Method 9012B	WG860483	1	03/30/16 16:30	03/30/16 20:49	ASK



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Daphne Richards
Technical Service Representative

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

AREA #8

Collected date/time: 03/25/16 10:43

SAMPLE RESULTS - 01

L826095

ONE LAB. NATIONWIDE.



Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.0		1	03/31/2016 13:42	WG860819

Wet Chemistry by Method 9012B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyanide	ND		0.258	1	03/30/2016 20:45	WG860483

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Uranium	ND		2.58	5	03/30/2016 19:40	WG860481

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.103	5	04/04/2016 04:14	WG861169
Acrylonitrile	ND		0.103	5	04/04/2016 04:14	WG861169
Bromobenzene	ND		0.103	5	04/04/2016 04:14	WG861169
Bromodichloromethane	ND		0.103	5	04/04/2016 04:14	WG861169
Bromoform	ND		0.103	5	04/04/2016 04:14	WG861169
Bromomethane	ND		0.103	5	04/04/2016 04:14	WG861169
n-Butylbenzene	ND		0.103	5	04/04/2016 04:14	WG861169
sec-Butylbenzene	ND		0.103	5	04/04/2016 04:14	WG861169
tert-Butylbenzene	ND		0.103	5	04/04/2016 04:14	WG861169
Carbon tetrachloride	ND		0.103	5	04/04/2016 04:14	WG861169
Chlorobenzene	ND		0.103	5	04/04/2016 04:14	WG861169
Chlorodibromomethane	ND		0.103	5	04/04/2016 04:14	WG861169
Chloroethane	ND		0.103	5	04/04/2016 04:14	WG861169
2-Chloroethyl vinyl ether	ND		0.103	5	04/04/2016 04:14	WG861169
Chloroform	ND		0.103	5	04/04/2016 04:14	WG861169
Chloromethane	ND		0.103	5	04/04/2016 04:14	WG861169
2-Chlorotoluene	ND		0.103	5	04/04/2016 04:14	WG861169
4-Chlorotoluene	ND		0.103	5	04/04/2016 04:14	WG861169
1,2-Dibromo-3-Chloropropane	ND		0.103	5	04/04/2016 04:14	WG861169
1,2-Dibromoethane	ND		0.103	5	04/04/2016 04:14	WG861169
Dibromomethane	ND		0.103	5	04/04/2016 04:14	WG861169
1,2-Dichlorobenzene	ND		0.103	5	04/04/2016 04:14	WG861169
1,3-Dichlorobenzene	ND		0.103	5	04/04/2016 04:14	WG861169
1,4-Dichlorobenzene	ND		0.103	5	04/04/2016 04:14	WG861169
Dichlorodifluoromethane	ND		0.103	5	04/04/2016 04:14	WG861169
1,1-Dichloroethane	ND		0.103	5	04/04/2016 04:14	WG861169
1,2-Dichloroethane	ND		0.103	5	04/04/2016 04:14	WG861169
1,1-Dichloroethene	ND		0.103	5	04/04/2016 04:14	WG861169
cis-1,2-Dichloroethene	ND		0.103	5	04/04/2016 04:14	WG861169
trans-1,2-Dichloroethene	ND		0.103	5	04/04/2016 04:14	WG861169
1,2-Dichloropropane	ND		0.103	5	04/04/2016 04:14	WG861169
1,1-Dichloropropene	ND		0.103	5	04/04/2016 04:14	WG861169
1,3-Dichloropropane	ND		0.103	5	04/04/2016 04:14	WG861169
cis-1,3-Dichloropropene	ND		0.103	5	04/04/2016 04:14	WG861169
trans-1,3-Dichloropropene	ND		0.103	5	04/04/2016 04:14	WG861169
2,2-Dichloropropane	ND		0.103	5	04/04/2016 04:14	WG861169
Di-isopropyl ether	ND		0.103	5	04/04/2016 04:14	WG861169
Hexachloro-1,3-butadiene	ND		0.103	5	04/04/2016 04:14	WG861169
Isopropylbenzene	ND		0.103	5	04/04/2016 04:14	WG861169

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AREA #8

Collected date/time: 03/25/16 10:43

SAMPLE RESULTS - 01

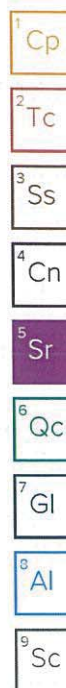
L826095

ONE LAB. NATIONWIDE.



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
p-Isopropyltoluene	ND		0.103	5	04/04/2016 04:14	WG861169
2-Butanone (MEK)	ND		0.103	5	04/04/2016 04:14	WG861169
Methylene Chloride	ND		0.103	5	04/04/2016 04:14	WG861169
4-Methyl-2-pentanone (MIBK)	ND		0.103	5	04/04/2016 04:14	WG861169
n-Propylbenzene	ND		0.103	5	04/04/2016 04:14	WG861169
Styrene	ND		0.103	5	04/04/2016 04:14	WG861169
1,1,1,2-Tetrachloroethane	ND		0.103	5	04/04/2016 04:14	WG861169
1,1,2,2-Tetrachloroethane	ND		0.103	5	04/04/2016 04:14	WG861169
1,1,2-Trichlorotrifluoroethane	ND		0.103	5	04/04/2016 04:14	WG861169
Tetrachloroethene	ND		0.103	5	04/04/2016 04:14	WG861169
1,2,3-Trichlorobenzene	ND		0.103	5	04/04/2016 04:14	WG861169
1,2,4-Trichlorobenzene	ND		0.103	5	04/04/2016 04:14	WG861169
1,1,1-Trichloroethane	ND		0.103	5	04/04/2016 04:14	WG861169
1,1,2-Trichloroethane	ND		0.103	5	04/04/2016 04:14	WG861169
Trichloroethene	ND		0.103	5	04/04/2016 04:14	WG861169
Trichlorofluoromethane	ND		0.103	5	04/04/2016 04:14	WG861169
1,2,3-Trichloropropane	ND		0.103	5	04/04/2016 04:14	WG861169
1,2,4-Trimethylbenzene	ND		0.103	5	04/04/2016 04:14	WG861169
1,2,3-Trimethylbenzene	ND		0.103	5	04/04/2016 04:14	WG861169
Vinyl chloride	ND		0.103	5	04/04/2016 04:14	WG861169
1,3,5-Trimethylbenzene	ND		0.103	5	04/04/2016 04:14	WG861169
(S) Toluene-d8	97.7		88.7-115		04/04/2016 04:14	WG861169
(S) Dibromofluoromethane	99.8		76.3-123		04/04/2016 04:14	WG861169
(S) 4-Bromofluorobenzene	89.4		69.7-129		04/04/2016 04:14	WG861169



Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND	J3	0.0175	1	04/04/2016 17:11	WG861104
PCB 1221	ND		0.0175	1	04/04/2016 17:11	WG861104
PCB 1232	ND		0.0175	1	04/04/2016 17:11	WG861104
PCB 1242	ND		0.0175	1	04/04/2016 17:11	WG861104
PCB 1248	ND		0.0175	1	04/04/2016 17:11	WG861104
PCB 1254	ND		0.0175	1	04/04/2016 17:11	WG861104
PCB 1260	ND	J3	0.0175	1	04/04/2016 17:11	WG861104
(S) Decachlorobiphenyl	82.8		10.0-143		04/04/2016 17:11	WG861104
(S) Tetrachloro-m-xylene	86.4		29.2-144		04/04/2016 17:11	WG861104

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0340	1	04/04/2016 14:20	WG861635
Acenaphthylene	ND		0.0340	1	04/04/2016 14:20	WG861635
Anthracene	ND		0.0340	1	04/04/2016 14:20	WG861635
Benzidine	ND		0.343	1	04/04/2016 14:20	WG861635
Benzo(a)anthracene	ND		0.0340	1	04/04/2016 14:20	WG861635
Benzo(b)fluoranthene	ND		0.0340	1	04/04/2016 14:20	WG861635
Benzo(k)fluoranthene	ND	J4	0.0340	1	04/04/2016 14:20	WG861635
Benzo(g,h,i)perylene	ND		0.0340	1	04/04/2016 14:20	WG861635
Benzo(a)pyrene	ND	J4	0.0340	1	04/04/2016 14:20	WG861635
Bis(2-chloroethoxy)methane	ND		0.343	1	04/04/2016 14:20	WG861635
Bis(2-chloroethyl)ether	ND		0.343	1	04/04/2016 14:20	WG861635
Bis(2-chloroisopropyl)ether	ND		0.343	1	04/04/2016 14:20	WG861635
4-Bromophenyl-phenylether	ND		0.343	1	04/04/2016 14:20	WG861635
2-Chloronaphthalene	ND		0.0340	1	04/04/2016 14:20	WG861635

AREA #8

SAMPLE RESULTS - 01

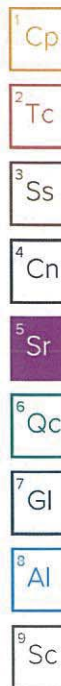
ONE LAB. NATIONWIDE.

Collected date/time: 03/25/16 10:43

L826095

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorophenyl-phenylether	ND		0.343	1	04/04/2016 14:20	WG861635
Chrysene	ND		0.0340	1	04/04/2016 14:20	WG861635
Dibenz(a,h)anthracene	ND		0.0340	1	04/04/2016 14:20	WG861635
3,3-Dichlorobenzidine	ND		0.343	1	04/04/2016 14:20	WG861635
2,4-Dinitrotoluene	ND		0.343	1	04/04/2016 14:20	WG861635
2,6-Dinitrotoluene	ND		0.343	1	04/04/2016 14:20	WG861635
Fluoranthene	ND		0.0340	1	04/04/2016 14:20	WG861635
Fluorene	ND		0.0340	1	04/04/2016 14:20	WG861635
Hexachlorobenzene	ND		0.343	1	04/04/2016 14:20	WG861635
Hexachloro-1,3-butadiene	ND		0.343	1	04/04/2016 14:20	WG861635
Hexachlorocyclopentadiene	ND		0.343	1	04/04/2016 14:20	WG861635
Hexachloroethane	ND		0.343	1	04/04/2016 14:20	WG861635
Indeno(1,2,3-cd)pyrene	ND		0.0340	1	04/04/2016 14:20	WG861635
Isophorone	ND	J4	0.343	1	04/04/2016 14:20	WG861635
Nitrobenzene	ND		0.343	1	04/04/2016 14:20	WG861635
n-Nitrosodimethylamine	ND		0.343	1	04/04/2016 14:20	WG861635
n-Nitrosodiphenylamine	ND		0.343	1	04/04/2016 14:20	WG861635
n-Nitrosodi-n-propylamine	ND		0.343	1	04/04/2016 14:20	WG861635
Phenanthrene	ND		0.0340	1	04/04/2016 14:20	WG861635
Benzylbutyl phthalate	ND	J4	0.343	1	04/04/2016 14:20	WG861635
Bis(2-ethylhexyl)phthalate	ND		0.343	1	04/04/2016 14:20	WG861635
Di-n-butyl phthalate	ND		0.343	1	04/04/2016 14:20	WG861635
Diethyl phthalate	ND		0.343	1	04/04/2016 14:20	WG861635
Dimethyl phthalate	ND		0.343	1	04/04/2016 14:20	WG861635
Di-n-octyl phthalate	ND		0.343	1	04/04/2016 14:20	WG861635
Pyrene	ND		0.0340	1	04/04/2016 14:20	WG861635
1,2,4-Trichlorobenzene	ND		0.343	1	04/04/2016 14:20	WG861635
4-Chloro-3-methylphenol	ND		0.343	1	04/04/2016 14:20	WG861635
2-Chlorophenol	ND		0.343	1	04/04/2016 14:20	WG861635
2,4-Dichlorophenol	ND		0.343	1	04/04/2016 14:20	WG861635
2,4-Dimethylphenol	ND		0.343	1	04/04/2016 14:20	WG861635
4,6-Dinitro-2-methylphenol	ND		0.343	1	04/04/2016 14:20	WG861635
2,4-Dinitrophenol	ND		0.343	1	04/04/2016 14:20	WG861635
2-Nitrophenol	ND		0.343	1	04/04/2016 14:20	WG861635
4-Nitrophenol	ND		0.343	1	04/04/2016 14:20	WG861635
Pentachlorophenol	ND		0.343	1	04/04/2016 14:20	WG861635
Phenol	ND		0.343	1	04/04/2016 14:20	WG861635
2,4,6-Trichlorophenol	ND		0.343	1	04/04/2016 14:20	WG861635
(S) 2-Fluorophenol	80.7		21.1-116		04/04/2016 14:20	WG861635
(S) Phenol-d5	84.9		26.3-121		04/04/2016 14:20	WG861635
(S) Nitrobenzene-d5	91.4		21.9-129		04/04/2016 14:20	WG861635
(S) 2-Fluorobiphenyl	86.5		34.9-129		04/04/2016 14:20	WG861635
(S) 2,4,6-Tribromophenol	76.6		21.6-142		04/04/2016 14:20	WG861635
(S) p-Terphenyl-d14	91.0		21.5-128		04/04/2016 14:20	WG861635



AREA #9

Collected date/time: 03/25/16 11:42

SAMPLE RESULTS - 02

L826095

ONE LAB. NATIONWIDE.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	03/31/2016 11:17	WG860822

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Cyanide	ND		0.268	1	03/30/2016 20:46	WG860483

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Uranium	ND		2.68	5	03/30/2016 20:37	WG860481

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.107	5	04/03/2016 20:49	WG861169
Acrylonitrile	ND		0.107	5	04/03/2016 20:49	WG861169
Bromobenzene	ND		0.107	5	04/03/2016 20:49	WG861169
Bromodichloromethane	ND		0.107	5	04/03/2016 20:49	WG861169
Bromoform	ND		0.107	5	04/03/2016 20:49	WG861169
Bromomethane	ND		0.107	5	04/03/2016 20:49	WG861169
n-Butylbenzene	ND		0.107	5	04/03/2016 20:49	WG861169
sec-Butylbenzene	ND		0.107	5	04/03/2016 20:49	WG861169
tert-Butylbenzene	ND		0.107	5	04/03/2016 20:49	WG861169
Carbon tetrachloride	ND		0.107	5	04/03/2016 20:49	WG861169
Chlorobenzene	ND		0.107	5	04/03/2016 20:49	WG861169
Chlorodibromomethane	ND		0.107	5	04/03/2016 20:49	WG861169
Chloroethane	ND		0.107	5	04/03/2016 20:49	WG861169
2-Chloroethyl vinyl ether	ND		0.107	5	04/03/2016 20:49	WG861169
Chloroform	ND		0.107	5	04/03/2016 20:49	WG861169
Chloromethane	ND		0.107	5	04/03/2016 20:49	WG861169
2-Chlorotoluene	ND		0.107	5	04/03/2016 20:49	WG861169
4-Chlorotoluene	ND		0.107	5	04/03/2016 20:49	WG861169
1,2-Dibromo-3-Chloropropane	ND		0.107	5	04/03/2016 20:49	WG861169
1,2-Dibromoethane	ND		0.107	5	04/03/2016 20:49	WG861169
Dibromomethane	ND		0.107	5	04/03/2016 20:49	WG861169
1,2-Dichlorobenzene	ND		0.107	5	04/03/2016 20:49	WG861169
1,3-Dichlorobenzene	ND		0.107	5	04/03/2016 20:49	WG861169
1,4-Dichlorobenzene	ND		0.107	5	04/03/2016 20:49	WG861169
Dichlorodifluoromethane	ND		0.107	5	04/03/2016 20:49	WG861169
1,1-Dichloroethane	ND		0.107	5	04/03/2016 20:49	WG861169
1,2-Dichloroethane	ND		0.107	5	04/03/2016 20:49	WG861169
1,1-Dichloroethene	ND		0.107	5	04/03/2016 20:49	WG861169
cis-1,2-Dichloroethene	ND		0.107	5	04/03/2016 20:49	WG861169
trans-1,2-Dichloroethene	ND		0.107	5	04/03/2016 20:49	WG861169
1,2-Dichloropropane	ND		0.107	5	04/03/2016 20:49	WG861169
1,1-Dichloropropene	ND		0.107	5	04/03/2016 20:49	WG861169
1,3-Dichloropropane	ND		0.107	5	04/03/2016 20:49	WG861169
cis-1,3-Dichloropropene	ND		0.107	5	04/03/2016 20:49	WG861169
trans-1,3-Dichloropropene	ND		0.107	5	04/03/2016 20:49	WG861169
2,2-Dichloropropane	ND		0.107	5	04/03/2016 20:49	WG861169
Di-isopropyl ether	ND		0.107	5	04/03/2016 20:49	WG861169
Hexachloro-1,3-butadiene	ND	J3	0.107	5	04/03/2016 20:49	WG861169
Isopropylbenzene	ND		0.107	5	04/03/2016 20:49	WG861169



AREA #9

SAMPLE RESULTS - 02

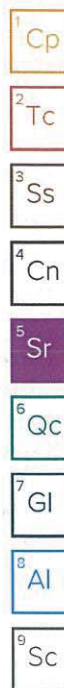
ONE LAB. NATIONWIDE.

Collected date/time: 03/25/16 11:42

L826095

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
p-Isopropyltoluene	ND		0.107	5	04/03/2016 20:49	WG861169
2-Butanone (MEK)	ND		0.107	5	04/03/2016 20:49	WG861169
Methylene Chloride	ND		0.107	5	04/03/2016 20:49	WG861169
4-Methyl-2-pentanone (MIBK)	ND		0.107	5	04/03/2016 20:49	WG861169
n-Propylbenzene	ND		0.107	5	04/03/2016 20:49	WG861169
Styrene	ND		0.107	5	04/03/2016 20:49	WG861169
1,1,1,2-Tetrachloroethane	ND		0.107	5	04/03/2016 20:49	WG861169
1,1,2,2-Tetrachloroethane	ND		0.107	5	04/03/2016 20:49	WG861169
1,1,2-Trichlorotrifluoroethane	ND		0.107	5	04/03/2016 20:49	WG861169
Tetrachloroethene	ND		0.107	5	04/03/2016 20:49	WG861169
1,2,3-Trichlorobenzene	ND		0.107	5	04/03/2016 20:49	WG861169
1,2,4-Trichlorobenzene	ND		0.107	5	04/03/2016 20:49	WG861169
1,1,1-Trichloroethane	ND		0.107	5	04/03/2016 20:49	WG861169
1,1,2-Trichloroethane	ND		0.107	5	04/03/2016 20:49	WG861169
Trichloroethene	ND		0.107	5	04/03/2016 20:49	WG861169
Trichlorofluoromethane	ND		0.107	5	04/03/2016 20:49	WG861169
1,2,3-Trichloropropane	ND		0.107	5	04/03/2016 20:49	WG861169
1,2,4-Trimethylbenzene	ND		0.107	5	04/03/2016 20:49	WG861169
1,2,3-Trimethylbenzene	ND		0.107	5	04/03/2016 20:49	WG861169
Vinyl chloride	ND		0.107	5	04/03/2016 20:49	WG861169
1,3,5-Trimethylbenzene	ND		0.107	5	04/03/2016 20:49	WG861169
(S) Toluene-d8	97.4		88.7-115		04/03/2016 20:49	WG861169
(S) Dibromofluoromethane	101		76.3-123		04/03/2016 20:49	WG861169
(S) 4-Bromofluorobenzene	89.4		69.7-129		04/03/2016 20:49	WG861169



Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND	J3	0.0182	1	04/04/2016 17:27	WG861104
PCB 1221	ND		0.0182	1	04/04/2016 17:27	WG861104
PCB 1232	ND		0.0182	1	04/04/2016 17:27	WG861104
PCB 1242	ND		0.0182	1	04/04/2016 17:27	WG861104
PCB 1248	ND		0.0182	1	04/04/2016 17:27	WG861104
PCB 1254	ND		0.0182	1	04/04/2016 17:27	WG861104
PCB 1260	ND	J3	0.0182	1	04/04/2016 17:27	WG861104
(S) Decachlorobiphenyl	81.3		10.0-143		04/04/2016 17:27	WG861104
(S) Tetrachloro-m-xylene	82.9		29.2-144		04/04/2016 17:27	WG861104

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0353	1	04/04/2016 14:43	WG861635
Acenaphthylene	ND		0.0353	1	04/04/2016 14:43	WG861635
Anthracene	ND		0.0353	1	04/04/2016 14:43	WG861635
Benzidine	ND		0.356	1	04/04/2016 14:43	WG861635
Benzo(a)anthracene	ND		0.0353	1	04/04/2016 14:43	WG861635
Benzo(b)fluoranthene	ND		0.0353	1	04/04/2016 14:43	WG861635
Benzo(k)fluoranthene	ND	J4	0.0353	1	04/04/2016 14:43	WG861635
Benzo(g,h,i)perylene	ND		0.0353	1	04/04/2016 14:43	WG861635
Benzo(a)pyrene	ND	J4	0.0353	1	04/04/2016 14:43	WG861635
Bis(2-chloroethoxy)methane	ND		0.356	1	04/04/2016 14:43	WG861635
Bis(2-chloroethyl)ether	ND		0.356	1	04/04/2016 14:43	WG861635
Bis(2-chloroisopropyl)ether	ND		0.356	1	04/04/2016 14:43	WG861635
4-Bromophenyl-phenylether	ND		0.356	1	04/04/2016 14:43	WG861635
2-Chloronaphthalene	ND		0.0353	1	04/04/2016 14:43	WG861635

AREA #9

SAMPLE RESULTS - 02

ONE LAB. NATIONWIDE.

Collected date/time: 03/25/16 11:42

L826095

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorophenyl-phenylether	ND		0.356	1	04/04/2016 14:43	WG861635
Chrysene	ND		0.0353	1	04/04/2016 14:43	WG861635
Dibenz(a,h)anthracene	ND		0.0353	1	04/04/2016 14:43	WG861635
3,3-Dichlorobenzidine	ND		0.356	1	04/04/2016 14:43	WG861635
2,4-Dinitrotoluene	ND		0.356	1	04/04/2016 14:43	WG861635
2,6-Dinitrotoluene	ND		0.356	1	04/04/2016 14:43	WG861635
Fluoranthene	ND		0.0353	1	04/04/2016 14:43	WG861635
Fluorene	ND		0.0353	1	04/04/2016 14:43	WG861635
Hexachlorobenzene	ND		0.356	1	04/04/2016 14:43	WG861635
Hexachloro-1,3-butadiene	ND		0.356	1	04/04/2016 14:43	WG861635
Hexachlorocyclopentadiene	ND		0.356	1	04/04/2016 14:43	WG861635
Hexachloroethane	ND		0.356	1	04/04/2016 14:43	WG861635
Indeno(1,2,3-cd)pyrene	ND		0.0353	1	04/04/2016 14:43	WG861635
Isophorone	ND	J4	0.356	1	04/04/2016 14:43	WG861635
Nitrobenzene	ND		0.356	1	04/04/2016 14:43	WG861635
n-Nitrosodimethylamine	ND		0.356	1	04/04/2016 14:43	WG861635
n-Nitrosodiphenylamine	ND		0.356	1	04/04/2016 14:43	WG861635
n-Nitrosodi-n-propylamine	ND		0.356	1	04/04/2016 14:43	WG861635
Phenanthrene	ND		0.0353	1	04/04/2016 14:43	WG861635
Benzylbutyl phthalate	ND	J4	0.356	1	04/04/2016 14:43	WG861635
Bis(2-ethylhexyl)phthalate	ND		0.356	1	04/04/2016 14:43	WG861635
Di-n-butyl phthalate	ND		0.356	1	04/04/2016 14:43	WG861635
Diethyl phthalate	ND		0.356	1	04/04/2016 14:43	WG861635
Dimethyl phthalate	ND		0.356	1	04/04/2016 14:43	WG861635
Di-n-octyl phthalate	ND		0.356	1	04/04/2016 14:43	WG861635
Pyrene	ND		0.0353	1	04/04/2016 14:43	WG861635
1,2,4-Trichlorobenzene	ND		0.356	1	04/04/2016 14:43	WG861635
4-Chloro-3-methylphenol	ND		0.356	1	04/04/2016 14:43	WG861635
2-Chlorophenol	ND		0.356	1	04/04/2016 14:43	WG861635
2,4-Dichlorophenol	ND		0.356	1	04/04/2016 14:43	WG861635
2,4-Dimethylphenol	ND		0.356	1	04/04/2016 14:43	WG861635
4,6-Dinitro-2-methylphenol	ND		0.356	1	04/04/2016 14:43	WG861635
2,4-Dinitrophenol	ND		0.356	1	04/04/2016 14:43	WG861635
2-Nitrophenol	ND		0.356	1	04/04/2016 14:43	WG861635
4-Nitrophenol	ND		0.356	1	04/04/2016 14:43	WG861635
Pentachlorophenol	ND		0.356	1	04/04/2016 14:43	WG861635
Phenol	ND		0.356	1	04/04/2016 14:43	WG861635
2,4,6-Trichlorophenol	ND		0.356	1	04/04/2016 14:43	WG861635
(S) 2-Fluorophenol	79.7		21.1-116		04/04/2016 14:43	WG861635
(S) Phenol-d5	82.0		26.3-121		04/04/2016 14:43	WG861635
(S) Nitrobenzene-d5	87.8		21.9-129		04/04/2016 14:43	WG861635
(S) 2-Fluorobiphenyl	80.1		34.9-129		04/04/2016 14:43	WG861635
(S) 2,4,6-Tribromophenol	71.4		21.6-142		04/04/2016 14:43	WG861635
(S) p-Terphenyl-d14	81.7		21.5-128		04/04/2016 14:43	WG861635



AREA #10

Collected date/time: 03/25/16 12:25

SAMPLE RESULTS - 03

L826095

ONE LAB. NATIONWIDE.



Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.2		1	03/31/2016 11:17	WG860822

Wet Chemistry by Method 9012B

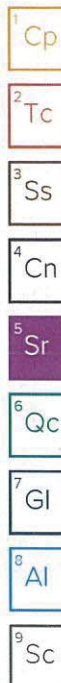
Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyanide	ND		0.257	1	03/30/2016 20:47	WG860483

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Uranium	ND		2.57	5	03/30/2016 20:40	WG860481

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.103	5	04/05/2016 09:25	WG861175
Acrylonitrile	ND		0.103	5	04/05/2016 09:25	WG861175
Bromobenzene	ND		0.103	5	04/05/2016 09:25	WG861175
Bromodichloromethane	ND		0.103	5	04/05/2016 09:25	WG861175
Bromoform	ND		0.103	5	04/05/2016 09:25	WG861175
Bromomethane	ND		0.103	5	04/05/2016 09:25	WG861175
n-Butylbenzene	ND		0.103	5	04/05/2016 09:25	WG861175
sec-Butylbenzene	ND		0.103	5	04/05/2016 09:25	WG861175
tert-Butylbenzene	ND		0.103	5	04/05/2016 09:25	WG861175
Carbon tetrachloride	ND		0.103	5	04/05/2016 09:25	WG861175
Chlorobenzene	ND		0.103	5	04/05/2016 09:25	WG861175
Chlorodibromomethane	ND		0.103	5	04/05/2016 09:25	WG861175
Chloroethane	ND		0.103	5	04/05/2016 09:25	WG861175
2-Chloroethyl vinyl ether	ND		0.103	5	04/05/2016 09:25	WG861175
Chloroform	ND		0.103	5	04/05/2016 09:25	WG861175
Chloromethane	ND		0.103	5	04/05/2016 09:25	WG861175
2-Chlorotoluene	ND		0.103	5	04/05/2016 09:25	WG861175
4-Chlorotoluene	ND		0.103	5	04/05/2016 09:25	WG861175
1,2-Dibromo-3-Chloropropane	ND		0.103	5	04/05/2016 09:25	WG861175
1,2-Dibromoethane	ND		0.103	5	04/05/2016 09:25	WG861175
Dibromomethane	ND		0.103	5	04/05/2016 09:25	WG861175
1,2-Dichlorobenzene	ND		0.103	5	04/05/2016 09:25	WG861175
1,3-Dichlorobenzene	ND		0.103	5	04/05/2016 09:25	WG861175
1,4-Dichlorobenzene	ND		0.103	5	04/05/2016 09:25	WG861175
Dichlorodifluoromethane	ND		0.103	5	04/05/2016 09:25	WG861175
1,1-Dichloroethane	ND		0.103	5	04/05/2016 09:25	WG861175
1,2-Dichloroethane	ND		0.103	5	04/05/2016 09:25	WG861175
1,1-Dichloroethene	ND		0.103	5	04/05/2016 09:25	WG861175
cis-1,2-Dichloroethene	ND		0.103	5	04/05/2016 09:25	WG861175
trans-1,2-Dichloroethene	ND		0.103	5	04/05/2016 09:25	WG861175
1,2-Dichloropropane	ND		0.103	5	04/05/2016 09:25	WG861175
1,1-Dichloropropene	ND		0.103	5	04/05/2016 09:25	WG861175
1,3-Dichloropropane	ND		0.103	5	04/05/2016 09:25	WG861175
cis-1,3-Dichloropropene	ND		0.103	5	04/05/2016 09:25	WG861175
trans-1,3-Dichloropropene	ND		0.103	5	04/05/2016 09:25	WG861175
2,2-Dichloropropane	ND		0.103	5	04/05/2016 09:25	WG861175
Di-isopropyl ether	ND		0.103	5	04/05/2016 09:25	WG861175
Hexachloro-1,3-butadiene	ND		0.103	5	04/05/2016 09:25	WG861175
Isopropylbenzene	ND		0.103	5	04/05/2016 09:25	WG861175



AREA #10

SAMPLE RESULTS - 03

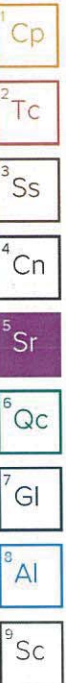
ONE LAB. NATIONWIDE.

Collected date/time: 03/25/16 12:25

L826095

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
p-Isopropyltoluene	ND		0.103	5	04/05/2016 09:25	WG861175
2-Butanone (MEK)	ND		0.103	5	04/05/2016 09:25	WG861175
Methylene Chloride	ND		0.103	5	04/05/2016 09:25	WG861175
4-Methyl-2-pentanone (MIBK)	ND		0.103	5	04/05/2016 09:25	WG861175
n-Propylbenzene	ND		0.103	5	04/05/2016 09:25	WG861175
Styrene	ND		0.103	5	04/05/2016 09:25	WG861175
1,1,1,2-Tetrachloroethane	ND		0.103	5	04/05/2016 09:25	WG861175
1,1,2,2-Tetrachloroethane	ND		0.103	5	04/05/2016 09:25	WG861175
1,1,2-Trichlorotrifluoroethane	ND		0.103	5	04/05/2016 09:25	WG861175
Tetrachloroethene	ND		0.103	5	04/05/2016 09:25	WG861175
1,2,3-Trichlorobenzene	ND		0.103	5	04/05/2016 09:25	WG861175
1,2,4-Trichlorobenzene	ND		0.103	5	04/05/2016 09:25	WG861175
1,1,1-Trichloroethane	ND		0.103	5	04/05/2016 09:25	WG861175
1,1,2-Trichloroethane	ND		0.103	5	04/05/2016 09:25	WG861175
Trichloroethene	ND		0.103	5	04/05/2016 09:25	WG861175
Trichlorofluoromethane	ND		0.103	5	04/05/2016 09:25	WG861175
1,2,3-Trichloropropane	ND		0.103	5	04/05/2016 09:25	WG861175
1,2,4-Trimethylbenzene	ND		0.103	5	04/05/2016 09:25	WG861175
1,2,3-Trimethylbenzene	ND		0.103	5	04/05/2016 09:25	WG861175
Vinyl chloride	ND		0.103	5	04/05/2016 09:25	WG861175
1,3,5-Trimethylbenzene	ND		0.103	5	04/05/2016 09:25	WG861175
(S) Toluene-d8	106		88.7-115		04/05/2016 09:25	WG861175
(S) Dibromofluoromethane	103		76.3-123		04/05/2016 09:25	WG861175
(S) 4-Bromofluorobenzene	96.4		69.7-129		04/05/2016 09:25	WG861175



Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND	J3	0.0175	1	04/05/2016 12:15	WG861104
PCB 1221	ND		0.0175	1	04/05/2016 12:15	WG861104
PCB 1232	ND		0.0175	1	04/05/2016 12:15	WG861104
PCB 1242	ND		0.0175	1	04/05/2016 12:15	WG861104
PCB 1248	ND		0.0175	1	04/05/2016 12:15	WG861104
PCB 1254	ND		0.0175	1	04/05/2016 12:15	WG861104
PCB 1260	ND	J3	0.0175	1	04/05/2016 12:15	WG861104
(S) Decachlorobiphenyl	75.4		10.0-143		04/05/2016 12:15	WG861104
(S) Tetrachloro-m-xylene	80.7		29.2-144		04/05/2016 12:15	WG861104

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

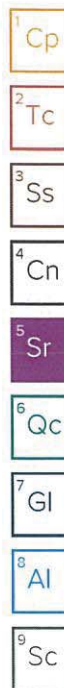
Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0340	1	04/04/2016 15:07	WG861635
Acenaphthylene	ND		0.0340	1	04/04/2016 15:07	WG861635
Anthracene	ND		0.0340	1	04/04/2016 15:07	WG861635
Benzidine	ND		0.343	1	04/04/2016 15:07	WG861635
Benzo(a)anthracene	ND		0.0340	1	04/04/2016 15:07	WG861635
Benzo(b)fluoranthene	ND		0.0340	1	04/04/2016 15:07	WG861635
Benzo(k)fluoranthene	ND	J4	0.0340	1	04/04/2016 15:07	WG861635
Benzo(g,h,i)perylene	ND		0.0340	1	04/04/2016 15:07	WG861635
Benzo(a)pyrene	ND	J4	0.0340	1	04/04/2016 15:07	WG861635
Bis(2-chloroethoxy)methane	ND		0.343	1	04/04/2016 15:07	WG861635
Bis(2-chloroethyl)ether	ND		0.343	1	04/04/2016 15:07	WG861635
Bis(2-chloroisopropyl)ether	ND		0.343	1	04/04/2016 15:07	WG861635
4-Bromophenyl-phenylether	ND		0.343	1	04/04/2016 15:07	WG861635
2-Chloronaphthalene	ND		0.0340	1	04/04/2016 15:07	WG861635

Collected date/time: 03/25/16 12:25

L826095

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorophenyl-phenylether	ND		0.343	1	04/04/2016 15:07	WG861635
Chrysene	ND		0.0340	1	04/04/2016 15:07	WG861635
Dibenz(a,h)anthracene	ND		0.0340	1	04/04/2016 15:07	WG861635
3,3-Dichlorobenzidine	ND		0.343	1	04/04/2016 15:07	WG861635
2,4-Dinitrotoluene	ND		0.343	1	04/04/2016 15:07	WG861635
2,6-Dinitrotoluene	ND		0.343	1	04/04/2016 15:07	WG861635
Fluoranthene	ND		0.0340	1	04/04/2016 15:07	WG861635
Fluorene	ND		0.0340	1	04/04/2016 15:07	WG861635
Hexachlorobenzene	ND		0.343	1	04/04/2016 15:07	WG861635
Hexachloro-1,3-butadiene	ND		0.343	1	04/04/2016 15:07	WG861635
Hexachlorocyclopentadiene	ND		0.343	1	04/04/2016 15:07	WG861635
Hexachloroethane	ND		0.343	1	04/04/2016 15:07	WG861635
Indeno(1,2,3-cd)pyrene	ND		0.0340	1	04/04/2016 15:07	WG861635
Isophorone	ND	J4	0.343	1	04/04/2016 15:07	WG861635
Nitrobenzene	ND		0.343	1	04/04/2016 15:07	WG861635
n-Nitrosodimethylamine	ND		0.343	1	04/04/2016 15:07	WG861635
n-Nitrosodiphenylamine	ND		0.343	1	04/04/2016 15:07	WG861635
n-Nitrosodi-n-propylamine	ND		0.343	1	04/04/2016 15:07	WG861635
Phenanthrene	ND		0.0340	1	04/04/2016 15:07	WG861635
Benzylbutyl phthalate	ND	J4	0.343	1	04/04/2016 15:07	WG861635
Bis(2-ethylhexyl)phthalate	ND		0.343	1	04/04/2016 15:07	WG861635
Di-n-butyl phthalate	ND		0.343	1	04/04/2016 15:07	WG861635
Diethyl phthalate	ND		0.343	1	04/04/2016 15:07	WG861635
Dimethyl phthalate	ND		0.343	1	04/04/2016 15:07	WG861635
Di-n-octyl phthalate	ND		0.343	1	04/04/2016 15:07	WG861635
Pyrene	ND		0.0340	1	04/04/2016 15:07	WG861635
1,2,4-Trichlorobenzene	ND		0.343	1	04/04/2016 15:07	WG861635
4-Chloro-3-methylphenol	ND		0.343	1	04/04/2016 15:07	WG861635
2-Chlorophenol	ND		0.343	1	04/04/2016 15:07	WG861635
2,4-Dichlorophenol	ND		0.343	1	04/04/2016 15:07	WG861635
2,4-Dimethylphenol	ND		0.343	1	04/04/2016 15:07	WG861635
4,6-Dinitro-2-methylphenol	ND		0.343	1	04/04/2016 15:07	WG861635
2,4-Dinitrophenol	ND		0.343	1	04/04/2016 15:07	WG861635
2-Nitrophenol	ND		0.343	1	04/04/2016 15:07	WG861635
4-Nitrophenol	ND		0.343	1	04/04/2016 15:07	WG861635
Pentachlorophenol	ND		0.343	1	04/04/2016 15:07	WG861635
Phenol	ND		0.343	1	04/04/2016 15:07	WG861635
2,4,6-Trichlorophenol	ND		0.343	1	04/04/2016 15:07	WG861635
(S) 2-Fluorophenol	77.7		21.1-116		04/04/2016 15:07	WG861635
(S) Phenol-d5	84.3		26.3-121		04/04/2016 15:07	WG861635
(S) Nitrobenzene-d5	87.6		21.9-129		04/04/2016 15:07	WG861635
(S) 2-Fluorobiphenyl	83.2		34.9-129		04/04/2016 15:07	WG861635
(S) 2,4,6-Tribromophenol	75.8		21.6-142		04/04/2016 15:07	WG861635
(S) p-Terphenyl-d14	85.8		21.5-128		04/04/2016 15:07	WG861635





Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.7		1	03/31/2016 11:17	WG860822

Wet Chemistry by Method 9012B

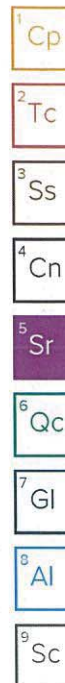
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Cyanide	ND		0.256	1	03/30/2016 20:48	WG860483

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Uranium	ND		2.56	5	03/30/2016 20:43	WG860481

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.102	5	04/05/2016 09:45	WG861175
Acrylonitrile	ND		0.102	5	04/05/2016 09:45	WG861175
Bromobenzene	ND		0.102	5	04/05/2016 09:45	WG861175
Bromodichloromethane	ND		0.102	5	04/05/2016 09:45	WG861175
Bromoform	ND		0.102	5	04/05/2016 09:45	WG861175
Bromomethane	ND		0.102	5	04/05/2016 09:45	WG861175
n-Butylbenzene	ND		0.102	5	04/05/2016 09:45	WG861175
sec-Butylbenzene	ND		0.102	5	04/05/2016 09:45	WG861175
tert-Butylbenzene	ND		0.102	5	04/05/2016 09:45	WG861175
Carbon tetrachloride	ND		0.102	5	04/05/2016 09:45	WG861175
Chlorobenzene	ND		0.102	5	04/05/2016 09:45	WG861175
Chlorodibromomethane	ND		0.102	5	04/05/2016 09:45	WG861175
Chloroethane	ND		0.102	5	04/05/2016 09:45	WG861175
2-Chloroethyl vinyl ether	ND		0.102	5	04/05/2016 09:45	WG861175
Chloroform	ND		0.102	5	04/05/2016 09:45	WG861175
Chloromethane	ND		0.102	5	04/05/2016 09:45	WG861175
2-Chlorotoluene	ND		0.102	5	04/05/2016 09:45	WG861175
4-Chlorotoluene	ND		0.102	5	04/05/2016 09:45	WG861175
1,2-Dibromo-3-Chloropropane	ND		0.102	5	04/05/2016 09:45	WG861175
1,2-Dibromoethane	ND		0.102	5	04/05/2016 09:45	WG861175
Dibromomethane	ND		0.102	5	04/05/2016 09:45	WG861175
1,2-Dichlorobenzene	ND		0.102	5	04/05/2016 09:45	WG861175
1,3-Dichlorobenzene	ND		0.102	5	04/05/2016 09:45	WG861175
1,4-Dichlorobenzene	ND		0.102	5	04/05/2016 09:45	WG861175
Dichlorodifluoromethane	ND		0.102	5	04/05/2016 09:45	WG861175
1,1-Dichloroethane	ND		0.102	5	04/05/2016 09:45	WG861175
1,2-Dichloroethane	ND		0.102	5	04/05/2016 09:45	WG861175
1,1-Dichloroethene	ND		0.102	5	04/05/2016 09:45	WG861175
cis-1,2-Dichloroethene	ND		0.102	5	04/05/2016 09:45	WG861175
trans-1,2-Dichloroethene	ND		0.102	5	04/05/2016 09:45	WG861175
1,2-Dichloropropane	ND		0.102	5	04/05/2016 09:45	WG861175
1,1-Dichloropropene	ND		0.102	5	04/05/2016 09:45	WG861175
1,3-Dichloropropane	ND		0.102	5	04/05/2016 09:45	WG861175
cis-1,3-Dichloropropene	ND		0.102	5	04/05/2016 09:45	WG861175
trans-1,3-Dichloropropene	ND		0.102	5	04/05/2016 09:45	WG861175
2,2-Dichloropropane	ND		0.102	5	04/05/2016 09:45	WG861175
Di-isopropyl ether	ND		0.102	5	04/05/2016 09:45	WG861175
Hexachloro-1,3-butadiene	ND		0.102	5	04/05/2016 09:45	WG861175
Isopropylbenzene	ND		0.102	5	04/05/2016 09:45	WG861175



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
p-Isopropyltoluene	ND		0.102	5	04/05/2016 09:45	WG861175
2-Butanone (MEK)	ND		0.102	5	04/05/2016 09:45	WG861175
Methylene Chloride	ND		0.102	5	04/05/2016 09:45	WG861175
4-Methyl-2-pentanone (MIBK)	ND		0.102	5	04/05/2016 09:45	WG861175
n-Propylbenzene	ND		0.102	5	04/05/2016 09:45	WG861175
Styrene	ND		0.102	5	04/05/2016 09:45	WG861175
1,1,1,2-Tetrachloroethane	ND		0.102	5	04/05/2016 09:45	WG861175
1,1,2,2-Tetrachloroethane	ND		0.102	5	04/05/2016 09:45	WG861175
1,1,2-Trichlorotrifluoroethane	ND		0.102	5	04/05/2016 09:45	WG861175
Tetrachloroethene	ND		0.102	5	04/05/2016 09:45	WG861175
1,2,3-Trichlorobenzene	ND		0.102	5	04/05/2016 09:45	WG861175
1,2,4-Trichlorobenzene	ND		0.102	5	04/05/2016 09:45	WG861175
1,1,1-Trichloroethane	ND		0.102	5	04/05/2016 09:45	WG861175
1,1,2-Trichloroethane	ND		0.102	5	04/05/2016 09:45	WG861175
Trichloroethene	ND		0.102	5	04/05/2016 09:45	WG861175
Trichlorofluoromethane	ND		0.102	5	04/05/2016 09:45	WG861175
1,2,3-Trichloropropane	ND		0.102	5	04/05/2016 09:45	WG861175
1,2,4-Trimethylbenzene	ND		0.102	5	04/05/2016 09:45	WG861175
1,2,3-Trimethylbenzene	ND		0.102	5	04/05/2016 09:45	WG861175
Vinyl chloride	ND		0.102	5	04/05/2016 09:45	WG861175
1,3,5-Trimethylbenzene	ND		0.102	5	04/05/2016 09:45	WG861175
(S) Toluene-d8	105		88.7-115		04/05/2016 09:45	WG861175
(S) Dibromofluoromethane	100		76.3-123		04/05/2016 09:45	WG861175
(S) 4-Bromofluorobenzene	94.0		69.7-129		04/05/2016 09:45	WG861175

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND	J3	0.0174	1	04/04/2016 17:59	WG861104
PCB 1221	ND		0.0174	1	04/04/2016 17:59	WG861104
PCB 1232	ND		0.0174	1	04/04/2016 17:59	WG861104
PCB 1242	ND		0.0174	1	04/04/2016 17:59	WG861104
PCB 1248	ND		0.0174	1	04/04/2016 17:59	WG861104
PCB 1254	ND		0.0174	1	04/04/2016 17:59	WG861104
PCB 1260	ND	J3	0.0174	1	04/04/2016 17:59	WG861104
(S) Decachlorobiphenyl	94.8		10.0-143		04/04/2016 17:59	WG861104
(S) Tetrachloro-m-xylene	92.3		29.2-144		04/04/2016 17:59	WG861104

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0338	1	04/04/2016 15:30	WG861635
Acenaphthylene	ND		0.0338	1	04/04/2016 15:30	WG861635
Anthracene	ND		0.0338	1	04/04/2016 15:30	WG861635
Benztidine	ND		0.341	1	04/04/2016 15:30	WG861635
Benzo(a)anthracene	ND		0.0338	1	04/04/2016 15:30	WG861635
Benzo(b)fluoranthene	ND		0.0338	1	04/04/2016 15:30	WG861635
Benzo(k)fluoranthene	ND	J4	0.0338	1	04/04/2016 15:30	WG861635
Benzo(g,h,i)perylene	ND		0.0338	1	04/04/2016 15:30	WG861635
Benzo(a)pyrene	ND	J4	0.0338	1	04/04/2016 15:30	WG861635
Bis(2-chlorethoxy)methane	ND		0.341	1	04/04/2016 15:30	WG861635
Bis(2-chloroethyl)ether	ND		0.341	1	04/04/2016 15:30	WG861635
Bis(2-chloroisopropyl)ether	ND		0.341	1	04/04/2016 15:30	WG861635
4-Bromophenyl-phenylether	ND		0.341	1	04/04/2016 15:30	WG861635
2-Chloronaphthalene	ND		0.0338	1	04/04/2016 15:30	WG861635

AREA #11

SAMPLE RESULTS - 04

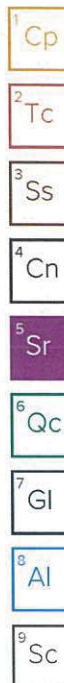
ONE LAB. NATIONWIDE.

Collected date/time: 03/25/16 13:22

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Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorophenyl-phenylether	ND		0.341	1	04/04/2016 15:30	WG861635
Chrysene	ND		0.0338	1	04/04/2016 15:30	WG861635
Dibenz(a,h)anthracene	ND		0.0338	1	04/04/2016 15:30	WG861635
3,3-Dichlorobenzidine	ND		0.341	1	04/04/2016 15:30	WG861635
2,4-Dinitrotoluene	ND		0.341	1	04/04/2016 15:30	WG861635
2,6-Dinitrotoluene	ND		0.341	1	04/04/2016 15:30	WG861635
Fluoranthene	ND		0.0338	1	04/04/2016 15:30	WG861635
Fluorene	ND		0.0338	1	04/04/2016 15:30	WG861635
Hexachlorobenzene	ND		0.341	1	04/04/2016 15:30	WG861635
Hexachloro-1,3-butadiene	ND		0.341	1	04/04/2016 15:30	WG861635
Hexachlorocyclopentadiene	ND		0.341	1	04/04/2016 15:30	WG861635
Hexachloroethane	ND		0.341	1	04/04/2016 15:30	WG861635
Indeno(1,2,3-cd)pyrene	ND		0.0338	1	04/04/2016 15:30	WG861635
Isophorone	ND	J4	0.341	1	04/04/2016 15:30	WG861635
Nitrobenzene	ND		0.341	1	04/04/2016 15:30	WG861635
n-Nitrosodimethylamine	ND		0.341	1	04/04/2016 15:30	WG861635
n-Nitrosodiphenylamine	ND		0.341	1	04/04/2016 15:30	WG861635
n-Nitrosodi-n-propylamine	ND		0.341	1	04/04/2016 15:30	WG861635
Phenanthrene	ND		0.0338	1	04/04/2016 15:30	WG861635
Benzylbutyl phthalate	ND	J4	0.341	1	04/04/2016 15:30	WG861635
Bis(2-ethylhexyl)phthalate	ND		0.341	1	04/04/2016 15:30	WG861635
Di-n-butyl phthalate	ND		0.341	1	04/04/2016 15:30	WG861635
Diethyl phthalate	ND		0.341	1	04/04/2016 15:30	WG861635
Dimethyl phthalate	ND		0.341	1	04/04/2016 15:30	WG861635
Di-n-octyl phthalate	ND		0.341	1	04/04/2016 15:30	WG861635
Pyrene	ND		0.0338	1	04/04/2016 15:30	WG861635
1,2,4-Trichlorobenzene	ND		0.341	1	04/04/2016 15:30	WG861635
4-Chloro-3-methylphenol	ND		0.341	1	04/04/2016 15:30	WG861635
2-Chlorophenol	ND		0.341	1	04/04/2016 15:30	WG861635
2,4-Dichlorophenol	ND		0.341	1	04/04/2016 15:30	WG861635
2,4-Dimethylphenol	ND		0.341	1	04/04/2016 15:30	WG861635
4,6-Dinitro-2-methylphenol	ND		0.341	1	04/04/2016 15:30	WG861635
2,4-Dinitrophenol	ND		0.341	1	04/04/2016 15:30	WG861635
2-Nitrophenol	ND		0.341	1	04/04/2016 15:30	WG861635
4-Nitrophenol	ND		0.341	1	04/04/2016 15:30	WG861635
Pentachlorophenol	ND		0.341	1	04/04/2016 15:30	WG861635
Phenol	ND		0.341	1	04/04/2016 15:30	WG861635
2,4,6-Trichlorophenol	ND		0.341	1	04/04/2016 15:30	WG861635
(S) 2-Fluorophenol	70.1		21.1-116		04/04/2016 15:30	WG861635
(S) Phenol-d5	74.9		26.3-121		04/04/2016 15:30	WG861635
(S) Nitrobenzene-d5	79.3		21.9-129		04/04/2016 15:30	WG861635
(S) 2-Fluorobiphenyl	77.2		34.9-129		04/04/2016 15:30	WG861635
(S) 2,4,6-Tribromophenol	69.6		21.6-142		04/04/2016 15:30	WG861635
(S) p-Terphenyl-d14	80.2		21.5-128		04/04/2016 15:30	WG861635





Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.6		1	03/31/2016 11:17	WG860822

Wet Chemistry by Method 9012B

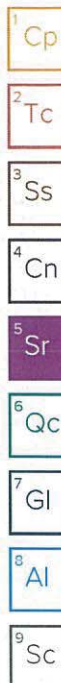
Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyanide	ND		0.256	1	03/30/2016 20:49	WG860483

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Uranium	ND		2.56	5	03/30/2016 20:46	WG860481

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.102	5	04/05/2016 10:05	WG861175
Acrylonitrile	ND		0.102	5	04/05/2016 10:05	WG861175
Bromobenzene	ND		0.102	5	04/05/2016 10:05	WG861175
Bromodichloromethane	ND		0.102	5	04/05/2016 10:05	WG861175
Bromoform	ND		0.102	5	04/05/2016 10:05	WG861175
Bromomethane	ND		0.102	5	04/05/2016 10:05	WG861175
n-Butylbenzene	ND		0.102	5	04/05/2016 10:05	WG861175
sec-Butylbenzene	ND		0.102	5	04/05/2016 10:05	WG861175
tert-Butylbenzene	ND		0.102	5	04/05/2016 10:05	WG861175
Carbon tetrachloride	ND		0.102	5	04/05/2016 10:05	WG861175
Chlorobenzene	ND		0.102	5	04/05/2016 10:05	WG861175
Chlorodibromomethane	ND		0.102	5	04/05/2016 10:05	WG861175
Chloroethane	ND		0.102	5	04/05/2016 10:05	WG861175
2-Chloroethyl vinyl ether	ND		0.102	5	04/05/2016 10:05	WG861175
Chloroform	ND		0.102	5	04/05/2016 10:05	WG861175
Chloromethane	ND		0.102	5	04/05/2016 10:05	WG861175
2-Chlorotoluene	ND		0.102	5	04/05/2016 10:05	WG861175
4-Chlorotoluene	ND		0.102	5	04/05/2016 10:05	WG861175
1,2-Dibromo-3-Chloropropane	ND		0.102	5	04/05/2016 10:05	WG861175
1,2-Dibromoethane	ND		0.102	5	04/05/2016 10:05	WG861175
Dibromomethane	ND		0.102	5	04/05/2016 10:05	WG861175
1,2-Dichlorobenzene	ND		0.102	5	04/05/2016 10:05	WG861175
1,3-Dichlorobenzene	ND		0.102	5	04/05/2016 10:05	WG861175
1,4-Dichlorobenzene	ND		0.102	5	04/05/2016 10:05	WG861175
Dichlorodifluoromethane	ND		0.102	5	04/05/2016 10:05	WG861175
1,1-Dichloroethane	ND		0.102	5	04/05/2016 10:05	WG861175
1,2-Dichloroethane	ND		0.102	5	04/05/2016 10:05	WG861175
1,1-Dichloroethene	ND		0.102	5	04/05/2016 10:05	WG861175
cis-1,2-Dichloroethene	ND		0.102	5	04/05/2016 10:05	WG861175
trans-1,2-Dichloroethene	ND		0.102	5	04/05/2016 10:05	WG861175
1,2-Dichloropropane	ND		0.102	5	04/05/2016 10:05	WG861175
1,1-Dichloropropene	ND		0.102	5	04/05/2016 10:05	WG861175
1,3-Dichloropropane	ND		0.102	5	04/05/2016 10:05	WG861175
cis-1,3-Dichloropropene	ND		0.102	5	04/05/2016 10:05	WG861175
trans-1,3-Dichloropropene	ND		0.102	5	04/05/2016 10:05	WG861175
2,2-Dichloropropane	ND		0.102	5	04/05/2016 10:05	WG861175
Di-isopropyl ether	ND		0.102	5	04/05/2016 10:05	WG861175
Hexachloro-1,3-butadiene	ND		0.102	5	04/05/2016 10:05	WG861175
Isopropylbenzene	ND		0.102	5	04/05/2016 10:05	WG861175



AREA #12

Collected date/time: 03/25/16 14:07

SAMPLE RESULTS - 05

L826095

ONE LAB. NATIONWIDE.

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
p-Isopropyltoluene	ND		0.102	5	04/05/2016 10:05	WG861175
2-Butanone (MEK)	ND		0.102	5	04/05/2016 10:05	WG861175
Methylene Chloride	ND		0.102	5	04/05/2016 10:05	WG861175
4-Methyl-2-pentanone (MIBK)	ND		0.102	5	04/05/2016 10:05	WG861175
n-Propylbenzene	ND		0.102	5	04/05/2016 10:05	WG861175
Styrene	ND		0.102	5	04/05/2016 10:05	WG861175
1,1,1,2-Tetrachloroethane	ND		0.102	5	04/05/2016 10:05	WG861175
1,1,2,2-Tetrachloroethane	ND		0.102	5	04/05/2016 10:05	WG861175
1,1,2-Trichlorotrifluoroethane	ND		0.102	5	04/05/2016 10:05	WG861175
Tetrachloroethene	ND		0.102	5	04/05/2016 10:05	WG861175
1,2,3-Trichlorobenzene	ND		0.102	5	04/05/2016 10:05	WG861175
1,2,4-Trichlorobenzene	ND		0.102	5	04/05/2016 10:05	WG861175
1,1,1-Trichloroethane	ND		0.102	5	04/05/2016 10:05	WG861175
1,1,2-Trichloroethane	ND		0.102	5	04/05/2016 10:05	WG861175
Trichloroethene	ND		0.102	5	04/05/2016 10:05	WG861175
Trichlorofluoromethane	ND		0.102	5	04/05/2016 10:05	WG861175
1,2,3-Trichloropropane	ND		0.102	5	04/05/2016 10:05	WG861175
1,2,4-Trimethylbenzene	ND		0.102	5	04/05/2016 10:05	WG861175
1,2,3-Trimethylbenzene	ND		0.102	5	04/05/2016 10:05	WG861175
Vinyl chloride	ND		0.102	5	04/05/2016 10:05	WG861175
1,3,5-Trimethylbenzene	ND		0.102	5	04/05/2016 10:05	WG861175
(S) Toluene-d8	106		88.7-115		04/05/2016 10:05	WG861175
(S) Dibromofluoromethane	103		76.3-123		04/05/2016 10:05	WG861175
(S) 4-Bromofluorobenzene	94.7		69.7-129		04/05/2016 10:05	WG861175



Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND	J3	0.0174	1	04/04/2016 18:15	WG861104
PCB 1221	ND		0.0174	1	04/04/2016 18:15	WG861104
PCB 1232	ND		0.0174	1	04/04/2016 18:15	WG861104
PCB 1242	ND		0.0174	1	04/04/2016 18:15	WG861104
PCB 1248	ND		0.0174	1	04/04/2016 18:15	WG861104
PCB 1254	ND		0.0174	1	04/04/2016 18:15	WG861104
PCB 1260	ND	J3	0.0174	1	04/04/2016 18:15	WG861104
(S) Decachlorobiphenyl	99.5		10.0-143		04/04/2016 18:15	WG861104
(S) Tetrachloro-m-xylene	99.5		29.2-144		04/04/2016 18:15	WG861104

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0338	1	04/04/2016 15:54	WG861635
Acenaphthylene	ND		0.0338	1	04/04/2016 15:54	WG861635
Anthracene	ND		0.0338	1	04/04/2016 15:54	WG861635
Benzidine	ND		0.341	1	04/04/2016 15:54	WG861635
Benzo(a)anthracene	ND		0.0338	1	04/04/2016 15:54	WG861635
Benzo(b)fluoranthene	ND		0.0338	1	04/04/2016 15:54	WG861635
Benzo(k)fluoranthene	ND	J4	0.0338	1	04/04/2016 15:54	WG861635
Benzo(g,h,i)perylene	ND		0.0338	1	04/04/2016 15:54	WG861635
Benzo(a)pyrene	ND	J4	0.0338	1	04/04/2016 15:54	WG861635
Bis(2-chloroethoxy)methane	ND		0.341	1	04/04/2016 15:54	WG861635
Bis(2-chloroethyl)ether	ND		0.341	1	04/04/2016 15:54	WG861635
Bis(2-chloroisopropyl)ether	ND		0.341	1	04/04/2016 15:54	WG861635
4-Bromophenyl-phenylether	ND		0.341	1	04/04/2016 15:54	WG861635
2-Chloronaphthalene	ND		0.0338	1	04/04/2016 15:54	WG861635

AREA #12

SAMPLE RESULTS - 05

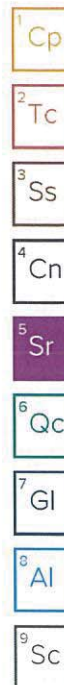
ONE LAB. NATIONWIDE.

Collected date/time: 03/25/16 14:07

L826095

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorophenyl-phenylether	ND		0.341	1	04/04/2016 15:54	WG861635
Chrysene	ND		0.0338	1	04/04/2016 15:54	WG861635
Dibenz[a,h]anthracene	ND		0.0338	1	04/04/2016 15:54	WG861635
3,3-Dichlorobenzidine	ND		0.341	1	04/04/2016 15:54	WG861635
2,4-Dinitrotoluene	ND		0.341	1	04/04/2016 15:54	WG861635
2,6-Dinitrotoluene	ND		0.341	1	04/04/2016 15:54	WG861635
Fluoranthene	ND		0.0338	1	04/04/2016 15:54	WG861635
Fluorene	ND		0.0338	1	04/04/2016 15:54	WG861635
Hexachlorobenzene	ND		0.341	1	04/04/2016 15:54	WG861635
Hexachloro-1,3-butadiene	ND		0.341	1	04/04/2016 15:54	WG861635
Hexachlorocyclopentadiene	ND		0.341	1	04/04/2016 15:54	WG861635
Hexachloroethane	ND		0.341	1	04/04/2016 15:54	WG861635
Indeno[1,2,3-cd]pyrene	ND		0.0338	1	04/04/2016 15:54	WG861635
Isophorone	ND	J4	0.341	1	04/04/2016 15:54	WG861635
Nitrobenzene	ND		0.341	1	04/04/2016 15:54	WG861635
n-Nitrosodimethylamine	ND		0.341	1	04/04/2016 15:54	WG861635
n-Nitrosodiphenylamine	ND		0.341	1	04/04/2016 15:54	WG861635
n-Nitrosodi-n-propylamine	ND		0.341	1	04/04/2016 15:54	WG861635
Phenanthrene	ND		0.0338	1	04/04/2016 15:54	WG861635
Benzylbutyl phthalate	ND	J4	0.341	1	04/04/2016 15:54	WG861635
Bis[2-ethylhexyl]phthalate	ND		0.341	1	04/04/2016 15:54	WG861635
Di-n-butyl phthalate	ND		0.341	1	04/04/2016 15:54	WG861635
Diethyl phthalate	ND		0.341	1	04/04/2016 15:54	WG861635
Dimethyl phthalate	ND		0.341	1	04/04/2016 15:54	WG861635
Di-n-octyl phthalate	ND		0.341	1	04/04/2016 15:54	WG861635
Pyrene	ND		0.0338	1	04/04/2016 15:54	WG861635
1,2,4-Trichlorobenzene	ND		0.341	1	04/04/2016 15:54	WG861635
4-Chloro-3-methylphenol	ND		0.341	1	04/04/2016 15:54	WG861635
2-Chlorophenol	ND		0.341	1	04/04/2016 15:54	WG861635
2,4-Dichlorophenol	ND		0.341	1	04/04/2016 15:54	WG861635
2,4-Dimethylphenol	ND		0.341	1	04/04/2016 15:54	WG861635
4,6-Dinitro-2-methylphenol	ND		0.341	1	04/04/2016 15:54	WG861635
2,4-Dinitrophenol	ND		0.341	1	04/04/2016 15:54	WG861635
2-Nitrophenol	ND		0.341	1	04/04/2016 15:54	WG861635
4-Nitrophenol	ND		0.341	1	04/04/2016 15:54	WG861635
Pentachlorophenol	ND		0.341	1	04/04/2016 15:54	WG861635
Phenol	ND		0.341	1	04/04/2016 15:54	WG861635
2,4,6-Trichlorophenol	ND		0.341	1	04/04/2016 15:54	WG861635
(S) 2-Fluorophenol	77.7		21.1-116		04/04/2016 15:54	WG861635
(S) Phenol-d5	82.9		26.3-121		04/04/2016 15:54	WG861635
(S) Nitrobenzene-d5	88.9		21.9-129		04/04/2016 15:54	WG861635
(S) 2-Fluorobiphenyl	82.7		34.9-129		04/04/2016 15:54	WG861635
(S) 2,4,6-Tribromophenol	77.1		21.6-142		04/04/2016 15:54	WG861635
(S) p-Terphenyl-d14	88.2		21.5-128		04/04/2016 15:54	WG861635





WG860819

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

L826095-01

Method Blank (MB)

(MB) R3125443-1 03/31/16 13:42				
MB Result	MB Qualifier	MB MDL	MB RDL	
%		%	%	
Total Solids	0.00100			
Analyte				

Original Sample (OS) • Duplicate (DUP)

(OS) L826089-01 03/31/16 13:42 • (DUP) R3125443-3 03/31/16 13:42				
Original Result	DUP Result	Dilution	DUP RPD	DUP RPD Limits
%	%		%	%
Total Solids	75.4	1	2.74	5
Analyte				

Laboratory Control Sample (LCS)

(LCS) R3125443-2 03/31/16 13:42				
Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
%	%	%	%	
Total Solids	50.0	100	85.0-115	
Analyte				

1Cp

2Tc

3Ss

4Ch

5Sr

6Qc

7Gl

8Al

9Sc

ACCOUNT:
EnviroTech- NM

PROJECT:
LANDFARM

DATE/TIME:
04/08/16 16:41

SDG:
L826095

Method Blank (MB)

(MB) R3125439-1 03/31/16 11:17

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000600			

Original Sample (OS) • Duplicate (DUP)

(OS) L826330-21 03/31/16 11:17 • (DUP) R3125439-3 03/31/16 11:17

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.2	90.0	1	0.215		5

Laboratory Control Sample (LCS)

(LCS) R3125439-2 03/31/16 11:17

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

WG860483

Wet Chemistry by Method 9012B

QUALITY CONTROL SUMMARY

L826095-01.02.03.04.05

ONE LAB. NATIONWIDE.

Method Blank (MB)

(MB) R3125082-1 03/30/16 20:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Cyanide	U	0.0390	0.0390	0.250

Original Sample (OS) • Duplicate (DUP)

(OS) L825628-15 03/30/16 20:36 • (DUP) R3125082-4 03/30/16 20:37

Analyte	Original Result mg/kg	DUP Result mg/kg	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3125082-2 03/30/16 20:32 • (LCSD) R3125082-3 03/30/16 20:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyanide	48.4	54.2	59.4	112	123	50.0-150			9.00	20

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L825959-01 03/30/16 20:38 • (MS) R3125082-5 03/30/16 20:39 • (MSD) R3125082-6 03/30/16 20:40

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	3.33	0.00446	ND	0.218	1.00	6.00	1	80.0-120	J6	J6	0.000	20

ACCOUNT:
EnviroTech- NM

PROJECT:
LANDFARM

SDG:
L826095

DATE/TIME:
04/08/16 16:41

WG860481

Metals (ICPMS) by Method 6020

QUALITY CONTROL SUMMARY

L826095-01,02,03,04,05

ONE LAB. NATIONWIDE.

Method Blank (MB)

(MB) R3125079-1 03/30/16 19:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Uranium	U		0.0266	2.50

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3125079-2 03/30/16 19:34 • (LCSD) R3125079-3 03/30/16 19:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Uranium	100	107	109	107	109	80-120			2	20

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L826095-01 03/30/16 19:40 • (MS) R3125079-6 03/30/16 19:48 • (MSD) R3125079-7 03/30/16 19:51

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Uranium	20.0	0.169	104	96.2	104	96	5	75-125			8	20

ACCOUNT:
EnviroTech- NM

PROJECT:
LANDFARM

SDG:
L826095

DATE/TIME:
04/08/16 16:41

Method Blank (MB)

(MB) R3126443-1 04/03/16 06:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
2-Chloroethyl vinyl ether	U		0.00234	0.0500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100

Method Blank (MB)

(MB) R3126443-1 04/03/16 06:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Di-isopropyl ether	U		0.000248	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	0.000256		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
(S) Toluene-d8	98.5			88.7-115
(S) Dibromofluoromethane	100			76.3-123
(S) 4-Bromofluorobenzene	87.5			69.7-129

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3126443-2 04/03/16 08:58 • (LCSD) R3126443-3 04/03/16 09:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.123	0.108	98.1	86.0	25.3-178			13.1	22.9
Acrylonitrile	0.125	0.115	0.100	91.9	80.0	57.8-143			13.8	20
Bromobenzene	0.0250	0.0237	0.0224	94.8	89.7	80.3-115			5.48	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3126443-2 04/03/16 08:58 • (LCSD) R3126443-3 04/03/16 09:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	0.0250	0.0236	0.0215	94.4	86.1	75.3-119			9.27	20
Bromoform	0.0250	0.0243	0.0228	97.1	91.0	69.1-135			6.46	20
Bromomethane	0.0250	0.0473	0.0417	189	167	23.0-191	E	E	12.5	20
n-Butylbenzene	0.0250	0.0270	0.0247	108	98.7	74.2-134			8.92	20
sec-Butylbenzene	0.0250	0.0258	0.0243	103	97.1	77.8-129			6.16	20
tert-Butylbenzene	0.0250	0.0246	0.0230	98.4	91.9	77.2-129			6.84	20
Carbon tetrachloride	0.0250	0.0244	0.0221	97.7	88.3	69.4-129			10.2	20
Chlorobenzene	0.0250	0.0243	0.0223	97.1	89.2	78.9-122			8.41	20
Chlorodibromomethane	0.0250	0.0237	0.0216	94.6	86.6	76.4-126			8.89	20
Chloroethane	0.0250	0.0310	0.0273	124	109	47.2-147			12.5	20
2-Chloroethyl vinyl ether	0.125	0.116	0.106	92.4	85.0	16.7-162			8.39	23.7
Chloroform	0.0250	0.0255	0.0230	102	92.2	73.3-122			10.3	20
Chloromethane	0.0250	0.0320	0.0274	128	109	53.1-135			15.5	20
2-Chlorotoluene	0.0250	0.0236	0.0218	94.2	87.3	74.6-127			7.60	20
4-Chlorotoluene	0.0250	0.0242	0.0228	97.0	91.0	79.5-123			6.35	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0213	0.0196	85.3	78.3	64.9-131			8.62	20
1,2-Dibromoethane	0.0250	0.0231	0.0215	92.4	86.1	78.7-123			7.08	20
Dibromomethane	0.0250	0.0237	0.0215	94.9	85.9	78.5-117			10.1	20
1,2-Dichlorobenzene	0.0250	0.0246	0.0226	98.4	90.3	83.6-119			8.63	20
1,3-Dichlorobenzene	0.0250	0.0255	0.0237	102	94.9	75.9-129			7.31	20
1,4-Dichlorobenzene	0.0250	0.0260	0.0237	104	94.9	81.0-115			8.96	20
Dichlorodifluoromethane	0.0250	0.0286	0.0255	114	102	50.9-139			11.3	20
1,1-Dichloroethane	0.0250	0.0255	0.0228	102	91.4	71.7-125			11.0	20
1,2-Dichloroethane	0.0250	0.0250	0.0224	99.9	89.8	67.2-121			10.7	20
1,1-Dichloroethene	0.0250	0.0327	0.0287	131	115	60.6-133			13.2	20
cis-1,2-Dichloroethene	0.0250	0.0249	0.0219	99.8	87.8	76.1-121			12.8	20
trans-1,2-Dichloroethene	0.0250	0.0250	0.0226	99.9	90.3	70.7-124			10.1	20
1,2-Dichloropropane	0.0250	0.0240	0.0220	95.8	87.8	76.9-123			8.68	20
1,1-Dichloropropene	0.0250	0.0238	0.0216	95.4	86.4	71.2-126			9.82	20
1,3-Dichloropropane	0.0250	0.0229	0.0212	91.6	84.9	80.3-114			7.60	20
cis-1,3-Dichloropropene	0.0250	0.0232	0.0213	92.8	85.1	77.3-123			8.64	20
trans-1,3-Dichloropropene	0.0250	0.0240	0.0217	95.9	86.6	73.0-127			10.2	20
2,2-Dichloropropane	0.0250	0.0257	0.0239	103	95.7	61.9-132			7.15	20
Di-isopropyl ether	0.0250	0.0246	0.0222	98.2	88.7	67.2-131			10.2	20
Hexachloro-1,3-butadiene	0.0250	0.0242	0.0223	96.9	89.3	69.2-136			8.26	20
Isopropylbenzene	0.0250	0.0250	0.0233	99.9	93.2	79.4-126			6.94	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3126443-2 04/03/16 08:58 • (LCSD) R3126443-3 04/03/16 09:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
p-Isopropyltoluene	0.0250	0.0260	0.0242	104	96.9	75.4-132			7.11	20
2-Butanone (MEK)	0.125	0.108	0.0950	86.5	76.0	44.5-154			13.0	21.3
Methylene Chloride	0.0250	0.0243	0.0218	97.4	87.0	68.2-119			11.2	20
4-Methyl-2-pentanone (MIBK)	0.125	0.121	0.109	96.8	86.9	61.1-138			10.8	20
n-Propylbenzene	0.0250	0.0250	0.0231	99.9	92.5	80.2-124			7.60	20
Styrene	0.0250	0.0252	0.0230	101	92.0	79.4-124			9.19	20
1,1,2-Tetrachloroethane	0.0250	0.0236	0.0219	94.5	87.5	76.7-127			7.61	20
1,1,2,2-Tetrachloroethane	0.0250	0.0239	0.0221	95.8	88.4	78.8-124			7.95	20
Tetrachloroethene	0.0250	0.0244	0.0226	97.7	90.3	71.1-133			7.84	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0342	0.0300	137	120	62.6-138			13.2	20
1,2,3-Trichlorobenzene	0.0250	0.0235	0.0221	94.0	88.2	72.5-137			6.31	20
1,2,4-Trichlorobenzene	0.0250	0.0240	0.0224	96.1	89.5	74.0-137			7.11	20
1,1,1-Trichloroethane	0.0250	0.0257	0.0229	103	91.7	69.9-127			11.5	20
1,1,2-Trichloroethane	0.0250	0.0234	0.0217	93.4	86.9	81.9-119			7.26	20
Trichloroethene	0.0250	0.0244	0.0219	97.7	87.6	77.2-122			10.9	20
Trichlorofluoromethane	0.0250	0.0304	0.0266	122	107	51.5-151			13.3	20
1,2,3-Trichloropropane	0.0250	0.0237	0.0219	94.8	87.7	74.0-124			7.72	20
1,2,3-Trimethylbenzene	0.0250	0.0254	0.0236	101	94.4	79.4-118			7.22	20
1,2,4-Trimethylbenzene	0.0250	0.0254	0.0233	102	93.2	77.1-124			8.65	20
1,3,5-Trimethylbenzene	0.0250	0.0264	0.0245	106	98.0	79.0-125			7.66	20
Vinyl chloride	0.0250	0.0276	0.0244	110	97.4	58.4-134			12.5	20
(S) Toluene-d8				96.3	96.5	88.7-115				
(S) Dibromofluoromethane				102	101	76.3-123				
(S) 4-Bromofluorobenzene				90.2	92.2	69.7-129				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L826095-02 04/03/16 20:49 • (MS) R3126443-4 04/03/16 19:26 • (MSD) R3126443-5 04/03/16 19:47

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0713	0.690	0.716	98.9	103	5	10.0-130	3.74	31.5	
Acrylonitrile	0.125	ND	0.597	0.606	95.5	97.0	5	39.3-152	1.59	27.2	
Bromobenzene	0.0250	ND	0.109	0.114	87.2	91.5	5	40.0-130	4.79	27.4	
Bromodichloromethane	0.0250	ND	0.119	0.121	95.1	96.7	5	50.6-128	1.72	22.8	
Bromoform	0.0250	ND	0.124	0.128	99.4	103	5	43.3-139	3.20	25.9	
Bromomethane	0.0250	ND	0.221	0.225	177	180	5	5.00-189	1.63	26.7	

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L826095-02 04/03/16 20:49 • (MS) R3126443-4 04/03/16 19:26 • (MSD) R3126443-5 04/03/16 19:47

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.0250	0.000149	0.0766	0.102	61.2	81.3	5	23.6-146			28.2	39.2
sec-Butylbenzene	0.0250	ND	0.0864	0.113	69.1	90.5	5	31.0-142			26.8	34.7
tert-Butylbenzene	0.0250	ND	0.0936	0.116	74.9	92.4	5	36.9-142			21.0	31.7
Carbon tetrachloride	0.0250	ND	0.118	0.138	94.8	110	5	46.0-140			14.9	27.2
Chlorobenzene	0.0250	ND	0.115	0.117	92.0	93.5	5	44.1-134			1.55	25.7
Chlorodibromomethane	0.0250	ND	0.117	0.119	93.4	95.5	5	49.7-134			2.27	24
Chloroethane	0.0250	ND	0.157	0.159	125	127	5	5.00-164			1.47	28.4
2-Chloroethyl vinyl ether	0.0250	ND	0.605	0.633	96.8	101	5	5.00-159			4.45	40
Chloroform	0.0250	ND	0.127	0.130	102	104	5	51.2-133			2.39	22.8
Chloromethane	0.0250	ND	0.157	0.159	125	127	5	31.4-141			1.47	24.6
2-Chlorotoluene	0.0250	ND	0.103	0.109	82.7	87.2	5	36.1-137			5.33	28.9
4-Chlorotoluene	0.0250	ND	0.101	0.106	80.8	84.9	5	35.4-137			4.92	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.113	0.121	90.2	96.5	5	40.4-138			6.81	30.8
1,2-Dibromoethane	0.0250	ND	0.117	0.118	93.7	94.6	5	50.2-133			0.970	23.6
Dibromomethane	0.0250	ND	0.120	0.122	96.4	98.0	5	52.4-128			1.64	23
1,2-Dichlorobenzene	0.0250	ND	0.109	0.116	87.3	93.2	5	34.6-139			6.46	29.9
1,3-Dichlorobenzene	0.0250	ND	0.104	0.110	83.2	88.0	5	28.4-142			5.69	31.2
1,4-Dichlorobenzene	0.0250	ND	0.109	0.113	87.3	90.7	5	35.0-133			3.87	31.1
Dichlorodifluoromethane	0.0250	ND	0.130	0.140	104	112	5	31.2-144			7.27	30.2
1,1-Dichloroethane	0.0250	ND	0.129	0.131	103	105	5	49.1-136			1.55	22.9
1,2-Dichloroethane	0.0250	ND	0.127	0.132	102	106	5	47.1-129			3.40	22.7
1,1-Dichloroethene	0.0250	ND	0.158	0.166	127	133	5	36.1-142			4.73	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.123	0.126	98.0	100	5	50.6-133			2.46	23
trans-1,2-Dichloroethene	0.0250	ND	0.123	0.123	98.0	98.1	5	43.8-135			0.0900	24.8
1,2-Dichloropropane	0.0250	ND	0.120	0.123	95.8	98.8	5	50.3-134			3.04	22.7
1,1-Dichloropropene	0.0250	ND	0.113	0.116	90.1	93.0	5	43.0-137			3.22	26.4
1,3-Dichloropropane	0.0250	ND	0.116	0.118	93.0	94.6	5	51.4-127			1.78	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.116	0.118	92.5	94.2	5	48.4-134			1.76	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.120	0.121	95.8	96.8	5	46.6-135			1.12	25.3
2,2-Dichloropropane	0.0250	ND	0.125	0.128	99.9	102	5	45.2-141			2.36	26.6
Di-isopropyl ether	0.0250	ND	0.124	0.128	99.3	103	5	46.7-140			3.15	23.5
Hexachloro-1,3-butadiene	0.0250	ND	0.0540	0.0847	43.2	67.7	5	10.0-149	J3		44.3	40
Isopropylbenzene	0.0250	ND	0.105	0.118	84.4	94.5	5	41.9-139			11.3	29.3
p-Isopropyltoluene	0.0250	ND	0.0836	0.108	66.8	86.7	5	27.3-146			25.9	35.1
2-Butanone (MEK)	0.125	ND	0.613	0.640	98.2	102	5	23.9-170			4.25	28.3
Methylene Chloride	0.0250	ND	0.122	0.125	97.4	100	5	46.7-125			2.67	22.2

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L826095-02 04/03/16 20:49 • (MS) R3126443-4 04/03/16 19:26 • (MSD) R3126443-5 04/03/16 19:47

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.635	0.661	102	106	5	42.4-146			4.14	26.7
n-Propylbenzene	0.0250	0.000189	0.0956	0.109	76.3	87.2	5	35.2-139			13.3	31.9
Styrene	0.0250	ND	0.116	0.117	92.4	93.6	5	39.7-137			1.31	28.2
1,1,2-Tetrachloroethane	0.0250	ND	0.116	0.118	93.2	94.7	5	48.8-136			1.67	25.5
1,1,2,2-Tetrachloroethane	0.0250	ND	0.111	0.115	89.1	92.0	5	45.7-140			3.18	26.4
Tetrachloroethene	0.0250	ND	0.103	0.108	82.8	86.2	5	37.7-140			4.05	29.2
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.140	0.156	112	125	5	35.7-146			10.7	28.8
1,2,3-Trichlorobenzene	0.0250	ND	0.0805	0.0990	64.4	79.2	5	10.0-150			20.6	38.5
1,2,4-Trichlorobenzene	0.0250	ND	0.0760	0.0925	60.8	74.0	5	10.0-153			19.6	39.3
1,1,1-Trichloroethane	0.0250	ND	0.127	0.130	101	104	5	49.0-138			2.50	25.3
1,1,2-Trichloroethane	0.0250	ND	0.117	0.119	93.8	95.1	5	52.3-132			1.37	23.4
Trichloroethene	0.0250	ND	0.120	0.126	95.9	101	5	48.0-132			5.21	24.8
Trichlorofluoromethane	0.0250	ND	0.140	0.146	112	117	5	12.8-169			4.48	29.7
1,2,3-Trichloropropane	0.0250	ND	0.120	0.124	95.8	99.5	5	44.4-138			3.81	26.3
1,2,3-Trimethylbenzene	0.0250	0.000285	0.112	0.122	89.0	97.5	5	41.0-133			9.15	27.6
1,2,4-Trimethylbenzene	0.0250	0.000759	0.0974	0.112	77.3	88.7	5	32.9-139			13.7	30.6
1,3,5-Trimethylbenzene	0.0250	0.000326	0.102	0.117	81.7	93.6	5	37.1-138			13.6	30.6
Vinyl chloride	0.0250	ND	0.139	0.143	111	114	5	32.0-146			2.46	26.3
(S) Toluene-d8												
(S) Dibromofluoromethane												
(S) 4-Bromofluorobenzene												

Method Blank (MB)

(MB) R3126729-3 04/05/16 06:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
2-Chloroethyl vinyl ether	U		0.00234	0.0500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100

Method Blank (MB)

(MB) R3126729-3 04/05/16 06:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Di-isopropyl ether	U		0.000248	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
(S) Toluene-d8	105			88.7-115
(S) Dibromofluoromethane	105			76.3-123
(S) 4-Bromofluorobenzene	99.4			69.7-129

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3126729-1 04/05/16 04:55 • (LCSD) R3126729-2 04/05/16 05:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.185	0.179	148	143	25.3-178			3.50	22.9
Acrylonitrile	0.125	0.143	0.141	114	113	57.8-143			1.08	20
Bromobenzene	0.0250	0.0250	0.0243	100	97.3	80.3-115			2.73	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3126729-1 04/05/16 04:55 • (LCSD) R3126729-2 04/05/16 05:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	0.0250	0.0274	0.0274	110	110	75.3-119			0.240	20
Bromoform	0.0250	0.0269	0.0266	108	106	69.1-135			1.31	20
Bromomethane	0.0250	0.0289	0.0267	116	107	23.0-191			8.06	20
n-Butylbenzene	0.0250	0.0281	0.0272	112	109	74.2-134			3.24	20
sec-Butylbenzene	0.0250	0.0253	0.0249	101	99.5	77.8-129			1.82	20
tert-Butylbenzene	0.0250	0.0255	0.0249	102	99.6	77.2-129			2.35	20
Carbon tetrachloride	0.0250	0.0293	0.0285	117	114	69.4-129			2.45	20
Chlorobenzene	0.0250	0.0250	0.0248	100	99.4	78.9-122			0.680	20
Chlorodibromomethane	0.0250	0.0275	0.0271	110	108	76.4-126			1.72	20
Chloroethane	0.0250	0.0261	0.0245	105	98.0	47.2-147			6.44	20
2-Chloroethyl vinyl ether	0.125	0.154	0.152	123	122	16.7-162			1.26	23.7
Chloroform	0.0250	0.0273	0.0266	109	106	73.3-122			2.59	20
Chloromethane	0.0250	0.0303	0.0293	121	117	53.1-135			3.34	20
2-Chlorotoluene	0.0250	0.0236	0.0234	94.5	93.5	74.6-127			1.12	20
4-Chlorotoluene	0.0250	0.0258	0.0250	103	99.9	79.5-123			3.08	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0263	0.0262	105	105	64.9-131			0.100	20
1,2-Dibromoethane	0.0250	0.0256	0.0251	102	100	78.7-123			1.94	20
Dibromomethane	0.0250	0.0263	0.0259	105	103	78.5-117			1.84	20
1,2-Dichlorobenzene	0.0250	0.0254	0.0244	102	97.5	83.6-119			4.31	20
1,3-Dichlorobenzene	0.0250	0.0242	0.0238	96.7	95.2	75.9-129			1.60	20
1,4-Dichlorobenzene	0.0250	0.0243	0.0235	97.2	94.1	81.0-115			3.24	20
Dichlorodifluoromethane	0.0250	0.0269	0.0262	108	105	50.9-139			2.77	20
1,1-Dichloroethane	0.0250	0.0279	0.0273	112	109	71.7-125			2.15	20
1,2-Dichloroethane	0.0250	0.0263	0.0258	105	103	67.2-121			1.92	20
1,1-Dichloroethene	0.0250	0.0246	0.0249	98.3	99.5	60.6-133			1.22	20
cis-1,2-Dichloroethene	0.0250	0.0264	0.0261	106	104	76.1-121			1.31	20
trans-1,2-Dichloroethene	0.0250	0.0261	0.0262	104	105	70.7-124			0.540	20
1,2-Dichloropropane	0.0250	0.0286	0.0282	114	113	76.9-123			1.51	20
1,1-Dichloropropene	0.0250	0.0274	0.0267	110	107	71.2-126			2.87	20
1,3-Dichloropropane	0.0250	0.0266	0.0259	106	103	80.3-114			2.86	20
cis-1,3-Dichloropropene	0.0250	0.0285	0.0280	114	112	77.3-123			1.66	20
trans-1,3-Dichloropropene	0.0250	0.0311	0.0319	124	127	73.0-127			2.36	20
2,2-Dichloropropane	0.0250	0.0275	0.0265	110	106	61.9-132			3.82	20
Diisopropyl ether	0.0250	0.0292	0.0292	117	117	67.2-131			0.140	20
Hexachloro-1,3-butadiene	0.0250	0.0270	0.0268	108	107	69.2-136			0.820	20
Isopropylbenzene	0.0250	0.0255	0.0249	102	99.6	79.4-126			2.25	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3126729-1 04/05/16 04:55 • (LCSD) R3126729-2 04/05/16 05:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
p-Isopropyltoluene	0.0250	0.0256	0.0255	102	102	75.4-132			0.490	20
2-Butanone (MEK)	0.125	0.139	0.134	111	107	44.5-154			4.12	21.3
Methylene Chloride	0.0250	0.0265	0.0263	106	105	68.2-119			0.710	20
4-Methyl-2-pentanone (MIBK)	0.125	0.160	0.156	128	125	61.1-138			2.06	20
n-Propylbenzene	0.0250	0.0255	0.0253	102	101	80.2-124			0.930	20
Styrene	0.0250	0.0255	0.0254	102	101	79.4-124			0.550	20
1,1,2-Tetrachloroethane	0.0250	0.0253	0.0247	101	99.0	76.7-127			2.16	20
1,1,2,2-Tetrachloroethane	0.0250	0.0257	0.0247	103	98.9	78.8-124			3.78	20
Tetrachloroethene	0.0250	0.0237	0.0242	94.7	96.7	71.1-133			2.05	20
1,1,2-Trichlorofluoroethane	0.0250	0.0256	0.0249	103	99.8	62.6-138			2.77	20
1,2,3-Trichlorobenzene	0.0250	0.0261	0.0252	104	101	72.5-137			3.56	20
1,2,4-Trichlorobenzene	0.0250	0.0259	0.0262	104	105	74.0-137			0.880	20
1,1,1-Trichloroethane	0.0250	0.0288	0.0282	115	113	69.9-127			2.09	20
1,1,2-Trichloroethane	0.0250	0.0253	0.0248	101	99.3	81.9-119			1.98	20
Trichloroethene	0.0250	0.0253	0.0248	101	99.3	77.2-122			1.77	20
Trichlorofluoromethane	0.0250	0.0271	0.0260	108	104	51.5-151			4.15	20
1,2,3-Trichloropropane	0.0250	0.0238	0.0238	95.1	95.1	74.0-124			0.000	20
1,2,3-Trimethylbenzene	0.0250	0.0265	0.0259	106	104	79.4-118			2.19	20
1,2,4-Trimethylbenzene	0.0250	0.0250	0.0243	99.8	97.1	77.1-124			2.73	20
1,3,5-Trimethylbenzene	0.0250	0.0252	0.0247	101	98.7	79.0-125			2.11	20
Vinyl chloride	0.0250	0.0259	0.0256	104	102	58.4-134			1.26	20
(S) Toluene-d8				103	106	88.7-115				
(S) Dibromofluoromethane				103	105	76.3-123				
(S) 4-Bromofluorobenzene				96.6	96.0	69.7-129				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L826148-01 04/05/16 09:05 • (MS) R3126729-4 04/05/16 08:04 • (MSD) R3126729-5 04/05/16 08:24

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	0.706	0.714	113	114	5	10.0-130		1.07	31.5
Acrylonitrile	0.125	ND	0.540	0.528	86.3	84.4	5	39.3-152		2.22	27.2
Bromobenzene	0.0250	ND	0.0706	0.0725	56.5	58.0	5	40.0-130		2.65	27.4
Bromodichloromethane	0.0250	ND	0.102	0.104	81.8	83.4	5	50.6-128		1.95	22.8
Bromoform	0.0250	ND	0.0832	0.0869	66.5	69.5	5	43.3-139		4.42	25.9
Bromomethane	0.0250	ND	0.0994	0.102	79.5	81.4	5	5.00-189		2.31	26.7

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L826148-01 04/05/16 09:05 • (MS) R3126729-4 04/05/16 08:04 • (MSD) R3126729-5 04/05/16 08:24

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.0250	ND	0.108	0.107	86.7	85.6	5	23.6-146			1.27	39.2
sec-Butylbenzene	0.0250	ND	0.0880	0.0939	70.4	75.2	5	31.0-142			6.48	34.7
tert-Butylbenzene	0.0250	ND	0.0943	0.101	75.4	81.2	5	36.9-142			7.32	31.7
Carbon tetrachloride	0.0250	ND	0.108	0.113	86.1	90.7	5	46.0-140			5.19	27.2
Chlorobenzene	0.0250	ND	0.0814	0.0834	65.1	66.8	5	44.1-134			2.44	25.7
Chlorodibromomethane	0.0250	ND	0.0936	0.0972	74.9	77.7	5	49.7-134			3.74	24
Chloroethane	0.0250	ND	0.0901	0.0940	72.0	75.2	5	5.00-164			4.33	28.4
2-Chloroethyl vinyl ether	0.125	ND	0.549	0.505	87.9	80.8	5	5.00-159			8.38	40
Chloroform	0.0250	ND	0.101	0.106	80.7	85.0	5	51.2-133			5.14	22.8
Chloromethane	0.0250	ND	0.102	0.104	81.2	83.6	5	31.4-141			2.88	24.6
2-Chlorotoluene	0.0250	ND	0.0759	0.0812	60.7	64.9	5	36.1-137			6.69	28.9
4-Chlorotoluene	0.0250	ND	0.0723	0.0730	57.8	58.4	5	35.4-137			0.990	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.102	0.106	81.6	84.9	5	40.4-138			3.97	30.8
1,2-Dibromoethane	0.0250	ND	0.0824	0.0817	65.9	65.4	5	50.2-133			0.850	23.6
Dibromomethane	0.0250	ND	0.0893	0.0908	71.4	72.6	5	52.4-128			1.71	23
1,2-Dichlorobenzene	0.0250	ND	0.0836	0.0833	66.9	66.6	5	34.6-139			0.360	29.9
1,3-Dichlorobenzene	0.0250	ND	0.0611	0.0622	48.9	49.7	5	28.4-142			1.80	31.2
1,4-Dichlorobenzene	0.0250	ND	0.0772	0.0758	61.7	60.6	5	35.0-133			1.80	31.1
Dichlorodifluoromethane	0.0250	ND	0.0984	0.108	78.7	86.4	5	31.2-144			9.32	30.2
1,1-Dichloroethane	0.0250	ND	0.106	0.110	84.8	88.1	5	49.1-136			3.71	22.9
1,2-Dichloroethane	0.0250	ND	0.0957	0.0950	76.5	76.0	5	47.1-129			0.690	22.7
1,1-Dichloroethene	0.0250	ND	0.0855	0.0918	68.4	73.5	5	36.1-142			7.15	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.0922	0.0956	73.7	76.4	5	50.6-133			3.59	23
trans-1,2-Dichloroethene	0.0250	ND	0.0851	0.0891	68.1	71.3	5	43.8-135			4.59	24.8
1,2-Dichloropropane	0.0250	ND	0.110	0.113	87.9	90.4	5	50.3-134			2.74	22.7
1,1-Dichloropropene	0.0250	ND	0.0935	0.0976	74.8	78.1	5	43.0-137			4.25	26.4
1,3-Dichloropropane	0.0250	ND	0.0941	0.0937	75.3	74.9	5	51.4-127			0.490	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.0968	0.0952	77.4	76.1	5	48.4-134			1.67	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.0941	0.0891	75.3	71.3	5	46.6-135			5.43	25.3
2,2-Dichloropropane	0.0250	ND	0.109	0.116	87.2	92.9	5	45.2-141			6.42	26.6
Di-isopropyl ether	0.0250	ND	0.118	0.122	94.2	97.9	5	46.7-140			3.91	23.5
Hexachloro-1,3-butadiene	0.0250	ND	0.112	0.116	89.6	92.9	5	10.0-149			3.69	40
Isopropylbenzene	0.0250	ND	0.0907	0.0972	72.6	77.7	5	41.9-139			6.83	29.3
p-Isopropyltoluene	0.0250	ND	0.0866	0.0920	69.3	73.6	5	27.3-146			6.13	35.1
2-Butanone (MEK)	0.125	ND	0.559	0.559	89.4	89.5	5	23.9-170			0.0700	28.3
Methylene Chloride	0.0250	ND	0.0939	0.0971	75.1	77.7	5	46.7-125			3.39	22.2

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L826148-01 04/05/16 09:05 • (MS) R3126729-4 04/05/16 08:04 • (MSD) R3126729-5 04/05/16 08:24

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.629	0.629	101	101	5	42.4-146			0.0100	26.7
n-Propylbenzene	0.0250	ND	0.0834	0.0871	66.7	69.7	5	35.2-139			4.38	31.9
Styrene	0.0250	ND	0.0759	0.0781	60.7	62.5	5	39.7-137			2.90	28.2
1,1,2-Tetrachloroethane	0.0250	ND	0.0945	0.101	75.6	81.2	5	48.8-136			7.05	25.5
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0864	0.0908	69.1	72.7	5	45.7-140			4.98	26.4
Tetrachloroethene	0.0250	ND	0.0871	0.0883	69.7	70.6	5	37.7-140			1.31	29.2
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.0955	0.104	76.4	83.4	5	35.7-146			8.69	28.8
1,2,3-Trichlorobenzene	0.0250	ND	0.0573	0.0526	45.9	42.1	5	10.0-150			8.67	38.5
1,2,4-Trichlorobenzene	0.0250	ND	0.0583	0.0539	46.7	43.1	5	10.0-153			7.86	39.3
1,1,1-Trichloroethane	0.0250	ND	0.112	0.120	90.0	95.7	5	49.0-138			6.18	25.3
1,1,2-Trichloroethane	0.0250	ND	0.0942	0.0953	75.3	76.2	5	52.3-132			1.15	23.4
Trichloroethene	0.0250	ND	0.0874	0.0894	69.9	71.5	5	48.0-132			2.26	24.8
Trichlorofluoromethane	0.0250	ND	0.0937	0.0972	75.0	77.8	5	12.8-169			3.64	29.7
1,2,3-Trichloropropane	0.0250	ND	0.0830	0.0852	66.4	68.2	5	44.4-138			2.68	26.3
1,2,3-Trimethylbenzene	0.0250	ND	0.114	0.115	91.3	91.7	5	41.0-133			0.490	27.6
1,2,4-Trimethylbenzene	0.0250	0.000281	0.0800	0.0833	64.0	66.6	5	32.9-139			4.01	30.6
1,3,5-Trimethylbenzene	0.0250	ND	0.0867	0.0908	69.4	72.6	5	37.1-138			4.56	30.6
Vinyl chloride	0.0250	ND	0.0850	0.0919	68.0	73.5	5	32.0-146			7.79	26.3
(S) Toluene-d8					103	104		88.7-115				
(S) Dibromofluoromethane					99.0	104		76.3-123				
(S) 4-Bromofluorobenzene					83.0	86.1		69.7-129				

Method Blank (MB)

(MB) R3126085-1 04/04/16 10:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.00350	0.0170
PCB 1221	U		0.00537	0.0170
PCB 1232	U		0.00417	0.0170
PCB 1242	U		0.00318	0.0170
PCB 1248	U		0.00315	0.0170
PCB 1254	U		0.00472	0.0170
PCB 1260	U		0.00494	0.0170
(S) Decachlorobiphenyl	94.8			10.0-143
(S) Tetrachloro-m-xylene	92.0			29.2-144

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3126085-2 04/04/16 10:45 • (LCSD) R3126085-3 04/04/16 11:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.1667	0.155	0.0924	92.8	55.5	46.5-120	J3	J3	50.4	27
PCB 1016	0.1667	0.138	0.0823	83.1	49.3	46.3-117	J3	J3	50.9	27.5
(S) Decachlorobiphenyl				93.6	64.5	10.0-143				
(S) Tetrachloro-m-xylene				91.4	63.6	29.2-144				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L826036-02 04/04/16 11:33 • (MS) R3126085-4 04/04/16 11:49 • (MSD) R3126085-5 04/04/16 12:04

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	RPD %	RPD Limits %
PCB 1260	0.1667	ND	0.141	0.143	84.5	85.9	1	24.6-127		1.68	20
PCB 1016	0.1667	ND	0.145	0.176	87.0	106	1	23.9-147		19.2	25.8
(S) Decachlorobiphenyl					59.1	58.1		10.0-143			
(S) Tetrachloro-m-xylene					86.5	87.9		29.2-144			

Method Blank (MB)

(MB) R3126329-3 04/04/16 13:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00642	0.0330
Acenaphthylene	U		0.00671	0.0330
Anthracene	U		0.00632	0.0330
Benzidine	U		0.0637	0.333
Benzo(a)anthracene	U		0.00428	0.0330
Benzo(b)fluoranthene	U		0.00695	0.0330
Benzo(k)fluoranthene	U		0.00582	0.0330
Benzo(g,h,i)perylene	U		0.00721	0.0330
Benzo(a)pyrene	U		0.00548	0.0330
Bis(2-chloroethoxy)methane	U		0.00770	0.333
Bis(2-chloroethyl)ether	U		0.00896	0.333
Bis(2-chloroisopropyl)ether	U		0.00760	0.333
4-Bromophenyl-phenylether	U		0.0114	0.333
2-Chloronaphthalene	U		0.00639	0.0330
4-Chlorophenyl-phenylether	U		0.00627	0.333
Chrysene	U		0.00555	0.0330
Dibenz(a,h)anthracene	U		0.00821	0.0330
3,3-Dichlorobenzidine	U		0.0794	0.333
2,4-Dinitrotoluene	U		0.00607	0.333
2,6-Dinitrotoluene	U		0.00737	0.333
Fluoranthene	U		0.00496	0.0330
Fluorene	U		0.00682	0.0330
Hexachlorobenzene	U		0.00856	0.333
Hexachloro-1,3-butadiene	U		0.0100	0.333
Hexachlorocyclopentadiene	U		0.0587	0.333
Hexachloroethane	U		0.0134	0.333
Indeno(1,2,3-cd)pyrene	U		0.00772	0.0330
Isophorone	U		0.00522	0.333
Nitrobenzene	U		0.00695	0.333
n-Nitrosodimethylamine	U		0.0647	0.333
n-Nitrosodiphenylamine	U		0.00594	0.333
n-Nitrosodi-n-propylamine	U		0.00906	0.333
Phenanthrene	U		0.00528	0.0330
Benzylbutyl phthalate	U		0.0103	0.333
Bis(2-ethylhexyl)phthalate	U		0.0120	0.333
Di-n-butyl phthalate	U		0.0109	0.333

Method Blank (MB)

(MB) R3126329-3 04/04/16 13:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.00691	0.333
Dimethyl phthalate	U		0.00540	0.333
Di-n-octyl phthalate	U		0.00907	0.333
Pyrene	U		0.0123	0.0330
1,2,4-Trichlorobenzene	U		0.00876	0.333
4-Chloro-3-methylphenol	U		0.00477	0.333
2-Chlorophenol	U		0.00831	0.333
2,4-Dichlorophenol	U		0.00746	0.333
2,4-Dimethylphenol	U		0.0471	0.333
4,6-Dinitro-2-methylphenol	U		0.124	0.333
2,4-Dinitrophenol	U		0.0980	0.333
2-Nitrophenol	U		0.0130	0.333
4-Nitrophenol	U		0.0525	0.333
Pentachlorophenol	U		0.0480	0.333
Phenol	U		0.00695	0.333
2,4,6-Trichlorophenol	U		0.00779	0.333
(S) Nitrobenzene-d5	104			21.9-129
(S) 2-Fluorobiphenyl	95.0			34.9-129
(S) p-Terphenyl-d14	104			21.5-128
(S) Phenol-d5	95.0			26.3-121
(S) 2-Fluorophenol	92.0			21.1-116
(S) 2,4,6-Tribromophenol	79.3			21.6-142

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3126329-1 04/04/16 13:09 • (LCSD) R3126329-2 04/04/16 13:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.667	0.668	0.613	100	91.8	48.9-107			8.62	20
Acenaphthylene	0.667	0.686	0.633	103	95.0	49.2-111			7.94	20
Anthracene	0.667	0.682	0.630	102	94.4	52.0-112			8.02	20
Benzidine	0.667	0.681	0.0669	10.2	10.0	0.000-48.0			1.74	40
Benzo(a)anthracene	0.667	0.669	0.614	100	92.0	52.3-106			8.66	20
Benzo(b)fluoranthene	0.667	0.705	0.643	106	96.4	51.3-106			9.27	20
Benzo(k)fluoranthene	0.667	0.722	0.613	108	91.9	52.9-107	J4		16.3	20
Benzo(g,h,i)perylene	0.667	0.689	0.616	103	92.3	45.8-108			11.2	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3126329-1 04/04/16 13:09 • (LCSD) R3126329-2 04/04/16 13:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(a)pyrene	0.667	0.721	0.662	108	99.2	51.9-106	J4		8.62	20
Bis(2-chloroethoxy)methane	0.667	0.679	0.633	102	94.8	44.9-108			7.13	20
Bis(2-chloroethyl)ether	0.667	0.635	0.575	95.2	86.2	32.5-112			9.94	26
Bis(2-chloroisopropyl)ether	0.667	0.608	0.563	91.2	84.4	40.4-99.0			7.82	20.7
4-Bromophenyl-phenylether	0.667	0.690	0.634	103	95.1	51.4-110			8.46	20
2-Chloronaphthalene	0.667	0.639	0.589	95.8	88.3	47.1-105			8.13	20
4-Chlorophenyl-phenylether	0.667	0.645	0.591	96.6	88.6	48.1-108			8.69	20
Chrysene	0.667	0.679	0.612	102	91.8	54.4-110			10.3	20
Dibenz(a,h)anthracene	0.667	0.698	0.625	105	93.7	45.7-111			11.1	20
3,3-Dichlorobenzidine	0.667	0.659	0.644	98.8	96.5	21.0-101			2.28	22
2,4-Dinitrotoluene	0.667	0.665	0.618	99.7	92.7	53.0-112			7.30	20
2,6-Dinitrotoluene	0.667	0.652	0.601	97.7	90.2	51.6-110			8.00	20
Fluoranthene	0.667	0.677	0.627	102	94.1	53.7-110			7.64	20
Fluorene	0.667	0.664	0.606	99.6	90.9	51.1-109			9.11	20
Hexachlorobenzene	0.667	0.634	0.577	95.0	86.5	43.2-104			9.38	20.1
Hexachloro-1,3-butadiene	0.667	0.609	0.552	91.4	82.8	41.5-112			9.89	20
Hexachlorocyclopentadiene	0.667	0.722	0.648	108	97.2	13.5-123			10.8	20.7
Hexachloroethane	0.667	0.577	0.518	86.5	77.7	36.2-103			10.7	22.7
Indeno(1,2,3-cd)pyrene	0.667	0.702	0.630	105	94.4	47.5-109			10.8	20
Isophorone	0.667	0.753	0.690	113	103	28.8-104	J4		8.74	20
Nitrobenzene	0.667	0.674	0.614	101	92.1	40.7-109			9.27	21
n-Nitrosodimethylamine	0.667	0.636	0.576	95.4	86.4	18.1-122			9.88	23.5
n-Nitrosodiphenylamine	0.667	0.664	0.618	99.6	92.7	48.8-107			7.17	20
n-Nitrosodi-n-propylamine	0.667	0.693	0.637	104	95.5	43.3-109			8.45	20
Phenanthrene	0.667	0.652	0.591	97.8	88.6	51.6-107			9.85	20
Benzylbutyl phthalate	0.667	0.774	0.701	116	105	47.5-115	J4		9.86	20
Bis(2-ethylhexyl)phthalate	0.667	0.770	0.682	115	102	48.1-116			12.1	20.5
Di-n-butyl phthalate	0.667	0.709	0.652	106	97.7	49.7-113			8.47	20
Diethyl phthalate	0.667	0.688	0.628	103	94.2	52.0-112			8.99	20
Dimethyl phthalate	0.667	0.673	0.620	101	93.0	51.4-108			8.10	20
Di-n-octyl phthalate	0.667	0.729	0.659	109	98.8	49.6-112			10.2	22
Pyrene	0.667	0.720	0.654	108	98.1	47.1-108			9.49	20
1,2,4-Trichlorobenzene	0.667	0.593	0.531	88.9	79.6	39.8-100			11.0	20
4-Chloro-3-methylphenol	0.667	0.667	0.620	100	92.9	51.1-113			7.38	20
2-Chlorophenol	0.667	0.607	0.549	90.9	82.4	40.8-103			9.87	20
2,4-Dichlorophenol	0.667	0.638	0.585	95.6	87.6	46.2-109			8.70	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3126329-1 04/04/16 13:09 • (LCSD) R3126329-2 04/04/16 13:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,4-Dimethylphenol	0.667	0.643	0.594	96.4	89.1	42.2-110			7.84	20
4,6-Dinitro-2-methylphenol	0.667	0.628	0.574	94.1	86.0	23.1-119			8.99	23.7
2,4-Dinitrophenol	0.667	0.443	0.385	66.4	57.7	10.0-105			14.1	36.5
2-Nitrophenol	0.667	0.680	0.614	102	92.0	44.2-113			10.3	20.9
4-Nitrophenol	0.667	0.658	0.597	98.6	89.5	34.8-109			9.68	20
Pentachlorophenol	0.667	0.652	0.591	97.7	88.6	16.2-102			9.83	22.9
Phenol	0.667	0.643	0.588	96.3	88.2	41.5-106			8.82	20
2,4,6-Trichlorophenol	0.667	0.651	0.599	97.6	89.7	44.4-108			8.40	20
(S) Nitrobenzene-d5				108	98.6	21.9-129				
(S) 2-Fluorobiphenyl				98.6	90.3	34.9-129				
(S) p-Terphenyl-d14				104	94.6	21.5-128				
(S) Phenol-d5				99.4	91.0	26.3-121				
(S) 2-Fluorophenol				95.0	86.4	21.1-116				
(S) 2,4,6-Tribromophenol				90.3	84.6	21.6-142				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L826416-06 04/04/16 18:15 • (MS) R3126329-4 04/04/16 18:38 • (MSD) R3126329-5 04/04/16 19:01

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.667	ND	0.481	0.557	72.1	83.5	1	32.2-134			14.7	27.3
Acenaphthylene	0.667	ND	0.502	0.584	75.3	87.5	1	38.7-129			15.0	25.9
Anthracene	0.667	ND	0.477	0.553	71.5	83.0	1	32.3-137			14.8	28.4
Benzidine	0.667	ND	ND	ND	2.16	3.73	1	0.000-49.9		13	53.1	40
Benzo(a)anthracene	0.667	ND	0.418	0.468	62.7	70.2	1	33.3-124			11.3	29
Benzo(b)fluoranthene	0.667	ND	0.409	0.475	61.3	71.2	1	23.3-133			14.9	30.3
Benzo(k)fluoranthene	0.667	ND	0.431	0.443	64.7	66.5	1	31.0-129			2.80	26.7
Benzo(g,h,i)perylene	0.667	ND	0.406	0.436	60.8	65.4	1	10.0-127			7.19	31.9
Benzo(a)pyrene	0.667	ND	0.424	0.462	63.6	69.3	1	28.2-128			8.66	28.4
Bis(2-chlorethoxy)methane	0.667	ND	0.511	0.601	76.7	90.1	1	35.0-132			16.1	26.1
Bis(2-chloroethyl)ether	0.667	ND	0.506	0.551	75.8	82.7	1	28.8-128			8.64	33.6
Bis(2-chloroisopropyl)ether	0.667	ND	0.478	0.529	71.6	79.3	1	31.8-118			10.2	31.7
4-Bromophenyl-phenylether	0.667	ND	0.473	0.550	71.0	82.5	1	39.0-130			15.0	26
2-Chloronaphthalene	0.667	ND	0.469	0.545	70.3	81.7	1	37.5-123			14.9	26.5
4-Chlorophenyl-phenylether	0.667	ND	0.437	0.504	65.6	75.6	1	37.9-123			14.2	25.9
Chrysene	0.667	ND	0.421	0.467	63.1	70.1	1	36.3-129			10.5	28

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L826416-06 04/04/16 18:15 • (MS) R3126329-4 04/04/16 18:38 • (MSD) R3126329-5 04/04/16 19:01

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Dibenz(a,h)anthracene	0.667	ND	0.420	0.449	62.9	67.3	1	10.5-128			6.69	29.5
3,3-Dichlorobenzidine	0.667	ND	0.477	0.627	71.5	93.9	1	10.0-129			27.2	40
2,4-Dinitrotoluene	0.667	ND	0.486	0.581	72.9	87.1	1	27.8-147			17.8	29.7
2,6-Dinitrotoluene	0.667	ND	0.484	0.577	72.6	86.4	1	36.5-137			17.4	29.7
Fluoranthene	0.667	ND	0.456	0.520	68.3	77.9	1	27.9-138			13.1	26.9
Fluorene	0.667	ND	0.471	0.542	70.6	81.3	1	34.0-133			14.2	27.1
Hexachlorobenzene	0.667	ND	0.431	0.502	64.6	75.3	1	34.4-116			15.3	25.4
Hexachloro-1,3-butadiene	0.667	ND	0.440	0.478	65.9	71.6	1	36.5-125			8.30	29.7
Hexachlorocyclopentadiene	0.667	ND	0.448	0.494	67.1	74.1	1	10.0-124			9.88	37.5
Hexachloroethane	0.667	ND	0.454	0.478	68.0	71.6	1	11.3-143			5.14	31.9
Indeno(1,2,3-cd)pyrene	0.667	ND	0.420	0.451	63.0	67.6	1	10.0-128			7.05	31.5
Isophorone	0.667	ND	0.558	0.652	83.6	97.8	1	25.7-116			15.6	27.7
Nitrobenzene	0.667	ND	0.516	0.581	77.4	87.1	1	30.9-134			11.8	27.8
n-Nitrosodimethylamine	0.667	ND	0.490	0.527	73.4	79.0	1	19.2-127			7.32	32
n-Nitrosodiphenylamine	0.667	ND	0.478	0.580	71.7	87.0	1	26.8-133			19.2	25.9
n-Nitrosodi-n-propylamine	0.667	ND	0.538	0.613	80.6	91.9	1	33.0-134			13.1	28.2
Phenanthrene	0.667	ND	0.454	0.529	68.1	79.3	1	30.8-137			15.2	26.5
Benzylbutyl phthalate	0.667	ND	0.479	0.545	71.9	81.7	1	33.4-128			12.8	28.5
Bis(2-ethylhexyl)phthalate	0.667	0.00485	0.465	0.544	69.0	80.8	1	21.8-141			15.6	35.2
Di-n-butyl phthalate	0.667	ND	0.457	0.517	68.5	77.5	1	32.2-133			12.2	25.9
Diethyl phthalate	0.667	ND	0.503	0.596	75.4	89.4	1	39.4-136			16.9	25.5
Dimethyl phthalate	0.667	ND	0.491	0.583	73.7	87.5	1	35.8-137			17.1	25.4
Di-n-octyl phthalate	0.667	ND	0.449	0.522	67.4	78.3	1	28.5-128			15.0	32.5
Pyrene	0.667	ND	0.474	0.533	71.1	80.0	1	24.1-130			11.7	29.9
1,2,4-Trichlorobenzene	0.667	ND	0.451	0.495	67.6	74.2	1	36.5-114			9.35	28.4
4-Chloro-3-methylphenol	0.667	ND	0.496	0.591	74.3	88.7	1	27.0-154			17.6	26.6
2-Chlorophenol	0.667	ND	0.478	0.515	71.7	77.3	1	33.2-121			7.53	29.3
2,4-Dichlorophenol	0.667	ND	0.486	0.562	72.9	84.3	1	34.8-134			14.6	27.3
2,4-Dimethylphenol	0.667	ND	0.485	0.576	72.7	86.4	1	12.3-149			17.2	32.3
4,6-Dinitro-2-methylphenol	0.667	ND	0.477	0.578	71.5	86.7	1	10.0-144			19.2	32.7
2,4-Dinitrophenol	0.667	ND	0.384	0.469	57.6	70.3	1	10.0-121			19.8	39.4
2-Nitrophenol	0.667	ND	0.511	0.588	76.6	88.2	1	29.5-144			14.0	29.9
4-Nitrophenol	0.667	ND	0.493	0.577	73.8	86.6	1	20.0-133			15.8	30.2
Pentachlorophenol	0.667	ND	0.494	0.593	74.0	88.9	1	10.0-139			18.3	28.3
Phenol	0.667	ND	0.488	0.546	73.2	81.9	1	25.1-130			11.3	29.6
2,4,6-Trichlorophenol	0.667	ND	0.487	0.572	73.1	85.7	1	33.8-133			15.9	28.1

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L826416-06 04/04/16 18:15 • (MS) R3126329-4 04/04/16 18:38 • (MSD) R3126329-5 04/04/16 19:01

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Nitrobenzene-d5					84.4	94.0		21.9-129				
(S) 2-Fluorobiphenyl					74.9	86.3		34.9-129				
(S) p-Terphenyl-d14					76.2	91.0		21.5-128				
(S) Phenol-d5					77.0	84.6		26.3-121				
(S) 2-Fluorophenol					76.5	80.8		21.1-116				
(S) 2,4,6-Tribromophenol					71.2	84.0		21.6-142				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



[illegible]



ES&C Lab Sciences Tulsa
 311 N. Aspen Avenue
 Broken Arrow, OK 74012
 Ph.: (918) 251-2515

Internet: www.es&clabsciences.com
 Quote: ENVIROFNM0311165
 REP: Dave Veratti (602) 377-2696 dveratti@es&clabsciences.com
 TSR: Pam Langford (615) 773-9687 plangford@es&clabsciences.com
 Tulsa Contact: Ron Eldson (918) 251-2515 reldson@es&clabsciences.com

EnviroTech

Tim Cain
 5796 US Highway 64
 Farmington NM 87401
 Email: tcain@envirotech-inc.com
 Phone: 775-287-1762
 Project: Landfarm 4 - Radiological Portion
 Matrix: Soil
 Payment Terms: Net 30 Days

No Project Specific QAPP or SAP

Date: March 11, 2016 Quote Exp. Date: March 11, 2017

ANALYSIS	METHOD	Proposed MDL/RU Solid	Cost for solid sample
Gamma Spec - Ra-226 & Ra-228	DOE 4.5-2.3 HASL	0.5	\$60
Soil drying/Grinding	300 Ga-01		\$15
Alternate Methods			
Radium-226	SM 7500.Ra B M	1	\$65
Radium-228	EP&R9320	1	\$85

METHODS/CERTIFICATIONS:

DOD & NI-ELAP certification for all parameters

PRICING: All prices are quoted per sample with standard detection limits, unless otherwise noted.
 * prep fees are applied per sample

TURN TIMES:

All due dates are calculated in work days beginning day after sample receipt excluding Sat, Sun and holidays. Standard Turn for Radiological analyses is 20 work days.
 Expedited turn times are available on certain analyses with prior approval and upcharges.

20 business days	Standard Turn
15 business days	x1.5
10 business days	x2
7 business days	x2.5
5 business days	x3
3 business days	x3.5
2 business days	x4
Next business day	x4.5
Same day turn	x5

*N/A Ra-228 solid
 *N/A Ra-228
 Gamma Spec only
 Gamma Spec only

Subcontract Sample Receipt Checklist (sSRC)

Instructions:

The subcontract sample receipt checklist (sSRC) is a document to be filled out by the subcontract receiving laboratory and returned to Envirotech to document and identify any potential abnormalities/nonconformances with the submitted samples. It is requested the subcontract laboratory scan this document, the subcontract laboratory COC, and email/fax these two documents upon sample login. It is also requested the subcontract laboratory call Envirotech immediately with any abnormalities/nonconformances that may impact the general quality of the requested sample analysis.

Envirotech Laboratory

Envirotech WO ID:

PL03088

Envirotech SCO initials:

PLT

Subcontract Lab Name:

ESC

Date shipped

12/08/16

Shipping Carrier:

FEDEX

State of sample origin:

NM CO/UT/AZ/other

Envirotech email:

lab@envirotech-inc.com

Lab

Comments/Resolution

1) Certification

a) Does the receiving laboratory hold the appropriate RCRA/CWA/SDWA state certification?

Y

Note: There are no RCRA/CWA state certification programs for the states of NM / CO

Y

b) Does the laboratory hold the certification for the requested method(s) of analysis?

Y

2) COC

a) Does the sample ID match the COC?

Y

b) Does the number of samples per sampling site location match the COC?

Y

c) Was the COC complete, i.e., signatures, dates/times, requested analyses?

Y

d) Were samples received within the method specified holding time

Y

or is there sufficient holding time left to conduct analysis as standard TAT?

Y

3) Sample TAT

a) Did the COC indicate standard TAT, or expedited TAT?

Y

Standard 6-day TAT; 24-hr rush; 48-hr rush; 72-hr rush; other rush

4) Sample Cooler

a) Was the sample cooler received in good condition?

Y

b) Was the sample(s) received in tact, i.e., not broken?

Y

c) Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6-22°C

Y

d) If no visible ice, record the temperature. Actual sample temperature.

Y

Temperature:

5) Sample Container

a) Is the appropriate volume/weight or number of sample containers collected:

Y

a) Does the COC or field label indicate the samples were correctly preserved?

Y

6) Preservation

a) Does the sample have more than one phase, i.e., multiphase?

Y

b) If so, does the COC specify which phase(s) is to be analyzed?

Y

7) Multiphase Matrix

Date Received:

Signature of subcontract laboratory sample custodian

Subcontract Lab WO ID:

Phone No:

Email address:

Subcontract laboratory notes:

OAH Vol II, Appendix C

Case Narrative

Lab No: 20160301

This report contains the analytical results for the 5 sample(s) received under chain of custody by ESC Lab Sciences on 03/31/16 12:45:29. These samples are associated with your Landfarm 4 Background project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted below:

The test results in this report meet all NELAC requirements unless noted below:

This report shall not be reproduced, except in full, without the written approval of ESC Lab Sciences.

All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client.

Results have been reviewed by the Director of Radiochemistry or their designees and is approved for release.

Observations / Nonconformances

Client : Envirotech
Client Project : Landfarm 4 Background
Lab Number : 20160301
Date Reported : 04/15/16
Date Received : 03/31/16
Page Number : 2 of 4

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
--------	--------	----	-------	------	-----------	---------------	---------

Lab ID : 20160301-01
Client ID : Area #8
Date Sampled : 03/25/16 10:43:00
Matrix : SCM

Radiochemical Analyses

K-40	DOE Ga-01-R*	20.4 +/- 2.25	1.15	pCi/g	04/01/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.513 +/- 0.148	0.220	pCi/g	04/01/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.334 +/- 0.521	0.874	pCi/g	04/01/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	0.942 +/- 0.159	0.187	pCi/g	04/01/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.821 +/- 0.095	0.215	pCi/g	04/01/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	0.587 +/- 0.097	0.163	pCi/g	04/01/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	0.966 +/- 3.82	1.88	pCi/g	04/01/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	0.502 +/- 0.145	0.275	pCi/g	04/01/16	04/14/16	RE
U-238	DOE Ga-01-R*	0.790 +/- 0.327	0.729	pCi/g	04/01/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.029 +/- 0.221	0.114	pCi/g	04/01/16	04/14/16	RE

Lab ID : 20160301-02
Client ID : Area #9
Date Sampled : 03/25/16 11:42:00
Matrix : SCM

Radiochemical Analyses

K-40	DOE Ga-01-R*	19.2 +/- 1.93	1.02	pCi/g	04/01/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.372 +/- 0.065	0.131	pCi/g	04/01/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.317 +/- 0.224	0.579	pCi/g	04/01/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	1.88 +/- 0.915	0.234	pCi/g	04/01/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.599 +/- 0.085	0.190	pCi/g	04/01/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	1.16 +/- 0.231	0.349	pCi/g	04/01/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	1.72 +/- 2.30	3.86	pCi/g	04/01/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	1.08 +/- 0.151	0.271	pCi/g	04/01/16	04/14/16	RE
U-238	DOE Ga-01-R*	1.75 +/- 1.51	2.53	pCi/g	04/01/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.183 +/- 0.171	0.234	pCi/g	04/01/16	04/14/16	RE

Lab ID : 20160301-03
Client ID : Area #10
Date Sampled : 03/25/16 12:25:00
Matrix : SCM

Radiochemical Analyses

Client : Envirotech
Client Project : Landfarm 4 Background
Lab Number : 20160301
Date Reported : 04/15/16
Date Received : 03/31/16
Page Number : 3 of 4

Analytical Report

	Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
K-40	DOE Ga-01-R*	21.3 +/- 2.25	1.11	pCi/g		04/01/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.211 +/- 0.047	0.09	pCi/g		04/01/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.132 +/- 0.473	0.502	pCi/g		04/01/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	0.788 +/- 0.182	0.358	pCi/g		04/01/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.494 +/- 0.089	0.207	pCi/g		04/01/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	0.455 +/- 0.081	0.151	pCi/g		04/01/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	0.422 +/- 0.878	2.51	pCi/g		04/01/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	0.618 +/- 0.121	0.349	pCi/g		04/01/16	04/14/16	RE
U-238	DOE Ga-01-R*	2.39 +/- 1.82	3.05	pCi/g		04/01/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.045 +/- 0.053	0.153	pCi/g		04/01/16	04/14/16	RE

Lab ID : 20160301-04
Client ID : Area #11
Date Sampled : 03/25/16 13:22:00
Matrix : SCM

Radiochemical Analyses

K-40	DOE Ga-01-R*	16.8 +/- 1.45	0.482	pCi/g		04/14/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.185 +/- 0.033	0.065	pCi/g		04/14/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.303 +/- 0.153	0.397	pCi/g		04/14/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	0.497 +/- 0.129	0.068	pCi/g		04/14/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.352 +/- 0.055	0.138	pCi/g		04/14/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	0.388 +/- 0.057	0.091	pCi/g		04/14/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	0.706 +/- 0.478	0.803	pCi/g		04/14/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	0.419 +/- 0.075	0.285	pCi/g		04/14/16	04/14/16	RE
U-238	DOE Ga-01-R*	0.538 +/- 0.206	0.345	pCi/g		04/14/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.089 +/- 0.029	0.049	pCi/g		04/14/16	04/14/16	RE

Lab ID : 20160301-05
Client ID : Area #12
Date Sampled : 03/25/16 14:07:00
Matrix : SCM

Radiochemical Analyses

K-40	DOE Ga-01-R*	22.2 +/- 1.89	0.630	pCi/g		04/01/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.249 +/- 0.046	0.056	pCi/g		04/01/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.435 +/- 0.262	0.410	pCi/g		04/01/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	0.754 +/- 0.105	0.108	pCi/g		04/01/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.492 +/- 0.086	0.113	pCi/g		04/01/16	04/14/16	RE

Client : Envirotech
Client Project : Landfarm 4 Background
Lab Number : 20160301
Date Reported : 04/15/16
Date Received : 03/31/16
Page Number : 4 of 4

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
Pb-214	DOE Ga-01-R*	0.555 +/- 0.091	0.153	pCi/g	04/01/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	0.658 +/- 0.077	1.27	pCi/g	04/01/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	0.595 +/- 0.116	0.227	pCi/g	04/01/16	04/14/16	RE
U-238	DOE Ga-01-R*	0.770 +/- 0.375	0.858	pCi/g	04/01/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.040 +/- 0.047	0.077	pCi/g	04/01/16	04/14/16	RE

QC Report

Parameter	Blank	LCS %REC	LCS %REC	LCS RPD	DUP RPD	RER, NAD or DER	MS %REC	MSD %REC	MSD RPD	Date
Am-241		103.0	100.2	2.4						04/14/16
Bi-212	0.152				NC	0.005				04/14/16
Bi-214	0.048				21.7	0.308				04/14/16
Co-60		96.2	96.2	0.0						04/14/16
Cs-137		97.0	97.7	0.6						04/14/16
K-40	-0.356				14.5	0.375				04/14/16
Pb-212	0.094				61.5	0.450				04/14/16
Pb-214	0.015				17.3	0.932				04/14/16
Ra-226	0.234				NC	0.093				04/14/16
Ra-228	0.011				14.3	0.278				04/14/16
Tl-208	0.086				27.2	0.375				04/14/16
U-235	0.014				NC	0.273				04/14/16
U-238	0.141				NC	0.195				04/14/16

Lab Approval: _____



Sub-Contract Chain of Custody

Environmental Science Corp
12065 Lebanon Road
Mt. Juliet, TN 37122
(615) 773-9756 (615) 758-5859 fax

Page 74 of 77

Sub-Contract Lab : ORLBAOK
City / State : Broken Arrow, OK
Results Needed by : 5/9/16
ESC Purchase Order # : S23477

WORKGROUP **WG860589**
Date Created : **3/30/16**

Send Reports To : Janice Cozby jcozby@esclabsciences.com

SAMPLENO Container #	MATRIX	Date / Time Collected	PARAMETER	Code	METHOD	Comments
L826097-01	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
L826097-01	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
L826097-01	SS		Radium-228 ORL-RA-228		9320	
L826097-02	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
L826097-02	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
L826097-02	SS		Radium-228 ORL-RA-228		9320	
L826097-03	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
L826097-03	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
L826097-03	SS		Radium-228 ORL-RA-228		9320	
L826097-04	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
L826097-04	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
L826097-04	SS		Radium-228 ORL-RA-228		9320	
L826097-05	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
L826097-05	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
L826097-05	SS		Radium-228 ORL-RA-228		9320	

20160301

Relinquished by [Signature] Date: 3-31-16
Received by: [Signature] Date: 3-31-16
Relinquished by _____ Date: _____



Company Name/Address: Envirotech Inc. - NM 5798 US Highway 64 Farmington, NM 87401		Order Information: Accounts Payable 5798 US Highway 84 Farmington, NM 87401		Ordering Information: Lynn Cook & Tim Cain Email To: _____ City/State: _____ Zip: _____	
Report to: Lynn Cook & Tim Cain		Project Description: Landfarm 4 Backgrounder Client Project # _____ Landfarm			
Phone: (505) 632-0615 Fax: 0615		Site/Facility ID # P403088			
Collected by (print): J. Garcia		Depth 200% _____ 100% _____ 50% _____ 25% _____			
Collected by (signature): 		Depth 200% _____ 100% _____ 50% _____ 25% _____			
Immediately Picked on Ice N ☒ Y		Depth 200% _____ 100% _____ 50% _____ 25% _____			
Sample ID Area #8 Area #9 Area #10 Area #11 Area #12		Depth 200% _____ 100% _____ 50% _____ 25% _____			
Matrix SS - Soil GW - Groundwater WW - Wastewater CW - Drinking Water OT - Other		Depth 200% _____ 100% _____ 50% _____ 25% _____			
Remarks: Please ref. quotes ENVIROFNM31165 & ENVIROFNM31162 Other		Depth 200% _____ 100% _____ 50% _____ 25% _____			
Requisitioned by (Signature): 		Requisitioned by (Signature): 			
Requisitioned by (Signature): 		Requisitioned by (Signature): 			
Requisitioned by (Signature): 		Requisitioned by (Signature): 			

SAMPLE LOGIN

Date Received: 03/31/16 12:45:29

Lab Number: 20160301

Due: 04/14/16

Sample Number	Client Sample ID	Matrix	Date Sampled	Container Type	Container Size	Preservation	Preserved Upon Receipt	Custody Seal	Seal Intact
20160301-01 B	Area #8	SCM	03/25/16	Plastic	Med Petri 95	None	☐	No	No
20160301-01 A	Area #8	SCM	03/25/16	Glass	4 oz	None	☐	Yes	Yes
Gamma Spec (NORM)									
20160301-02 B	Area #9	SCM	03/25/16	Plastic	Med Petri 95	None	☐	No	No
20160301-02 A	Area #9	SCM	03/25/16	Glass	4 oz	None	☐	Yes	Yes
Gamma Spec (NORM)									
20160301-03 B	Area #10	SCM	03/25/16	Plastic	Med Petri 95	None	☐	No	No
20160301-03 A	Area #10	SCM	03/25/16	Glass	4 oz	None	☐	Yes	Yes
Gamma Spec (NORM)									
20160301-04 B	Area #11	SCM	03/25/16	Plastic	Med Petri 95	None	☐	No	No
20160301-04 A	Area #11	SCM	03/25/16	Glass	4 oz	None	☐	Yes	Yes
Gamma Spec (NORM)									
20160301-05 B	Area #12	SCM	03/25/16	Plastic	Med Petri 95	None	☐	No	No
20160301-05 A	Area #12	SCM	03/25/16	Glass	4 oz	None	☐	Yes	Yes
Gamma Spec (NORM)									

CONTAINER INSPECTION

Coolers Box Custody Seals Broken NO Temperature: 11W C Ice ✓

Radiation Survey: <300 cpm

SAMPLE INSPECTION

Sample Seal Broken NO

Chain of Custody Record ✓

Labels in Tact ✓

Radiation Survey Complete

Anomalies

✓ 2300

Model 12
88002

8-11-15

Inspected By: [Signature] DATE 3-31-16
QA or Designee Review: [Signature] DATE 03/31/16
Sample Custodian Review: _____ DATE _____

Project Notes:

Case Narrative

Lab No: 20160301

This report contains the analytical results for the 5 sample(s) received under chain of custody by ESC Lab Sciences on 3/31/2016 12:45:29 PM. These samples are associated with your Landfarm 4 Background project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted below:

The test results in this report meet all NELAC requirements unless noted below:

This report shall not be reproduced, except in full, without the written approval of ESC Lab Sciences.

All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client.

Results have been reviewed by the Director of Radiochemistry or their designees and is approved for release.

DL for Radiochemistry = MDA

DL for Metals and Wet Chemistry = MDL

DL for Drinking Water = SDWA

Observations / Nonconformances

Per customer's request, combined radium was added on 05/04/2017.



Client : Envirotech
 Client Project : Landfarm 4 Background
 Lab Number : 20160301
 Date Reported : 05/04/17
 Date Received : 03/31/16
 Page Number : 2 of 5

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
--------	--------	----	-------	------	-----------	---------------	---------

Lab ID : 20160301-01
Client ID : Area #8
Date Sampled : 3/25/2016 10:43:00 AM
Matrix : SCM

Radiochemical Analyses

Combined Radium		1.47 +/- 3.97	2.16	pCi/g			
K-40	DOE Ga-01-R*	20.4 +/- 2.25	1.15	pCi/g	04/01/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.513 +/- 0.148	0.220	pCi/g	04/01/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.334 +/- 0.521	0.874	pCi/g	04/01/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	0.942 +/- 0.159	0.187	pCi/g	04/01/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.821 +/- 0.095	0.215	pCi/g	04/01/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	0.587 +/- 0.097	0.163	pCi/g	04/01/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	0.966 +/- 3.82	1.88	pCi/g	04/01/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	0.502 +/- 0.145	0.275	pCi/g	04/01/16	04/14/16	RE
U-238	DOE Ga-01-R*	0.790 +/- 0.327	0.729	pCi/g	04/01/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.029 +/- 0.221	0.114	pCi/g	04/01/16	04/14/16	RE

Lab ID : 20160301-02
Client ID : Area #9
Date Sampled : 3/25/2016 11:42:00 AM
Matrix : SCM

Radiochemical Analyses

Combined Radium		2.80 +/- 2.45	4.13	pCi/g			
K-40	DOE Ga-01-R*	19.2 +/- 1.93	1.02	pCi/g	04/01/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.372 +/- 0.065	0.131	pCi/g	04/01/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.317 +/- 0.224	0.579	pCi/g	04/01/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	1.88 +/- 0.915	0.234	pCi/g	04/01/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.599 +/- 0.085	0.190	pCi/g	04/01/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	1.16 +/- 0.231	0.349	pCi/g	04/01/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	1.72 +/- 2.30	3.86	pCi/g	04/01/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	1.08 +/- 0.151	0.271	pCi/g	04/01/16	04/14/16	RE
U-238	DOE Ga-01-R*	1.75 +/- 1.51	2.53	pCi/g	04/01/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.183 +/- 0.171	0.234	pCi/g	04/01/16	04/14/16	RE



Client : Envirotech
 Client Project : Landfarm 4 Background
 Lab Number : 20160301
 Date Reported : 05/04/17
 Date Received : 03/31/16
 Page Number : 3 of 5

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
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Lab ID : 20160301-03
Client ID : Area #10
Date Sampled : 3/25/2016 12:25:00 PM
Matrix : SCM

Radiochemical Analyses

Combined Radium		1.04 +/- 0.999	2.86	pCi/g			
K-40	DOE Ga-01-R*	21.3 +/- 2.25	1.11	pCi/g	04/01/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.211 +/- 0.047	0.09	pCi/g	04/01/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.132 +/- 0.473	0.502	pCi/g	04/01/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	0.788 +/- 0.182	0.358	pCi/g	04/01/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.494 +/- 0.089	0.207	pCi/g	04/01/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	0.455 +/- 0.081	0.151	pCi/g	04/01/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	0.422 +/- 0.878	2.51	pCi/g	04/01/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	0.618 +/- 0.121	0.349	pCi/g	04/01/16	04/14/16	RE
U-238	DOE Ga-01-R*	2.39 +/- 1.82	3.05	pCi/g	04/01/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.045 +/- 0.053	0.153	pCi/g	04/01/16	04/14/16	RE

Lab ID : 20160301-04
Client ID : Area #11
Date Sampled : 3/25/2016 1:22:00 PM
Matrix : SCM

Radiochemical Analyses

Combined Radium		1.13 +/- 0.553	1.09	pCi/g			
K-40	DOE Ga-01-R*	16.8 +/- 1.45	0.482	pCi/g	04/14/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.185 +/- 0.033	0.065	pCi/g	04/14/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.303 +/- 0.153	0.397	pCi/g	04/14/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	0.497 +/- 0.129	0.068	pCi/g	04/14/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.352 +/- 0.055	0.138	pCi/g	04/14/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	0.388 +/- 0.057	0.091	pCi/g	04/14/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	0.706 +/- 0.478	0.803	pCi/g	04/14/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	0.419 +/- 0.075	0.285	pCi/g	04/14/16	04/14/16	RE
U-238	DOE Ga-01-R*	0.538 +/- 0.206	0.345	pCi/g	04/14/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.089 +/- 0.029	0.049	pCi/g	04/14/16	04/14/16	RE



Client : Envirotech
Client Project : Landfarm 4 Background
Lab Number : 20160301
Date Reported : 05/04/17
Date Received : 03/31/16
Page Number : 4 of 5

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
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Lab ID : 20160301-05

Client ID : Area #12

Date Sampled : 3/25/2016 2:07:00 PM

Matrix : SCM

Radiochemical Analyses

Combined Radium		1.25 +/- 0.193	1.50	pCi/g			
K-40	DOE Ga-01-R*	22.2 +/- 1.89	0.630	pCi/g	04/01/16	04/14/16	RE
Tl-208	DOE Ga-01-R*	0.249 +/- 0.046	0.056	pCi/g	04/01/16	04/14/16	RE
Bi-212	DOE Ga-01-R*	0.435 +/- 0.262	0.410	pCi/g	04/01/16	04/14/16	RE
Pb-212	DOE Ga-01-R*	0.754 +/- 0.105	0.108	pCi/g	04/01/16	04/14/16	RE
Bi-214	DOE Ga-01-R*	0.492 +/- 0.086	0.113	pCi/g	04/01/16	04/14/16	RE
Pb-214	DOE Ga-01-R*	0.555 +/- 0.091	0.153	pCi/g	04/01/16	04/14/16	RE
Ra-226	DOE Ga-01-R*	0.658 +/- 0.077	1.27	pCi/g	04/01/16	04/14/16	RE
Ra-228	DOE Ga-01-R*	0.595 +/- 0.116	0.227	pCi/g	04/01/16	04/14/16	RE
U-238	DOE Ga-01-R*	0.770 +/- 0.375	0.858	pCi/g	04/01/16	04/14/16	RE
U-235	DOE Ga-01-R*	0.040 +/- 0.047	0.077	pCi/g	04/01/16	04/14/16	RE



Client : Envirotech
Client Project : Landfarm 4 Background
Lab Number : 20160301
Date Reported : 05/04/17
Date Received : 03/31/16
Page Number : 5 of 5

QC Report

Parameter	Blank	LCS %REC	LCSD %REC	RPD	DUP RPD	RER, NAD or DER	MS %REC	MSD %REC	RPD	Batch ID
Am-241		103.0	100.2	2.4						
Bi-212	0.152				NC	0.005				
Bi-214	0.048				21.7	0.308				
Co-60		96.2	96.2	0.0						
Cs-137		97.0	97.7	0.6						
K-40	-0.356				14.5	0.375				
Pb-212	0.094				61.5	0.450				
Pb-214	0.015				17.3	0.932				
Ra-226	0.234				NC	0.093				
Ra-228	0.011				14.3	0.278				
Tl-208	0.086				27.2	0.375				
U-235	0.014				NC	0.273				
U-238	0.141				NC	0.195				

Lab Approval:

Ron Eidson
Director of Radiochemistry

Sub-Contract Chain of Custody

 **Environmental Science Corp**
12065 Lebanon Road
Mt. Juliet, TN 37122
(615) 773-9756 (615) 758-5859 fax

Sub-Contract Lab : ORLBAOK
City / State : Broken Arrow, OK

Results Needed by : 5/9/16

ESC Purchase Order # : S23477

Send Reports To : Janice Cozby jcozby@esclabsciences.com

WORKGROUP **WG860589**

Date Created : **3/30/16**

SAMPLENO Container #	MATRIX	Date / Time Collected	PARAMETER	Code	METHOD	Comments
L826097-01	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
L826097-01	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
L826097-01	SS		Radium-228 ORL-RA-228		9320	
L826097-02	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
L826097-02	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
L826097-02	SS		Radium-228 ORL-RA-228		9320	
L826097-03	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
L826097-03	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
L826097-03	SS		Radium-228 ORL-RA-228		9320	
L826097-04	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
L826097-04	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
L826097-04	SS		Radium-228 ORL-RA-228		9320	
L826097-05	SS		Gamma Spectroscopy Sca ORL-GSPEC-FULL		DOE Ga-01-R/9	
L826097-05	SS		Radium-226 ORL-RA-226		SM7500Ra B M	
L826097-05	SS		Radium-228 ORL-RA-228		9320	

20160301

Relinquished by

Date:

Received by:

Date:

Relinquished by

Date:



[illegible]

5-31-16